

# USIMAR

Componentes Automotivos

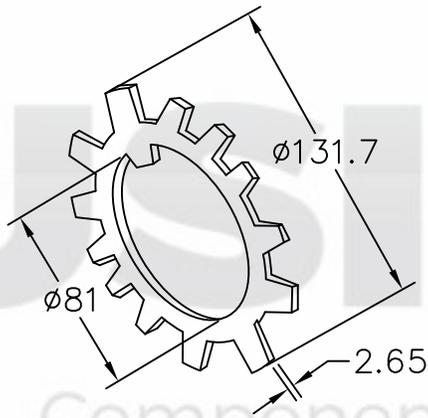
**Catálogo de peças  
2020**

Peças para 3º eixo e semireboque

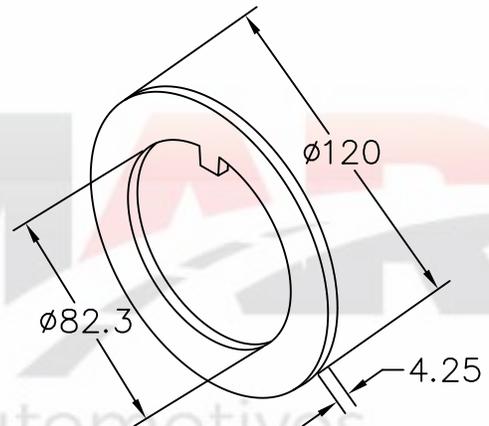
# ÍNDICE

RANDON	01
RODOVIÁRIA	55
GUERRA	65
IDEROL	93
FACCHINI	99
FRUEHAUF	113
GALEGO	115
GOTTI	119
KRONE	121
LIBRELATO	125
LÍDER	131
MARINGÁ	132
MIRIL	133
NOMA	134
PASTRE	143
RECRUSUL	148
RODO LINEA	151
SCHIFFER	153
RODOCLARA	159
MORUMBI	178
ROSSETTI	183
MERCEDES-BENZ	185
SCANIA	201
VOLKSWAGEN / FORD	208
VOLVO	220
SUSPENSORES	227
ESFREGA	232
SUPORTES DE PARALAMA	234
CAIXAS	235
FREIOS	239
CATRACAS	240
CARROCERIAS	242
BASCULANTE	247
USIMAR / DIVERSOS	252

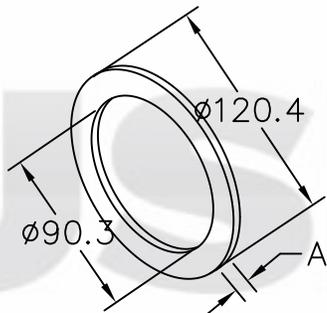
# RANDON



**30.01**  
Arruela dentada com 13 dentes



**30.02**  
Arruela lisa do SR

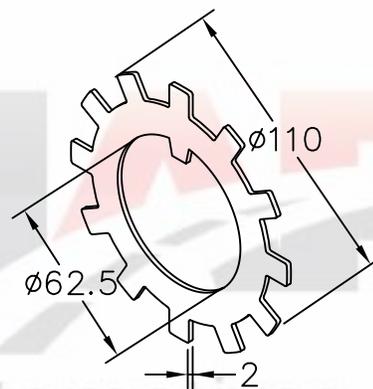


Arruela lisa para viga do eixo do SR

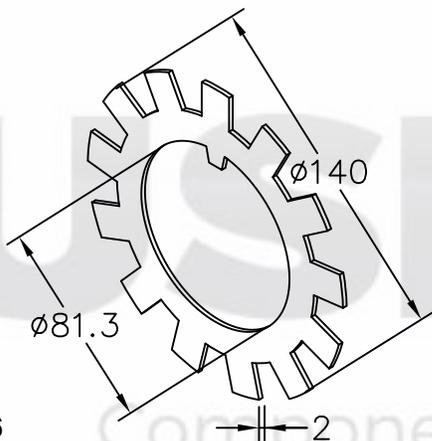
**30.09** - A = 4,25mm

**30.10** - A = 2mm

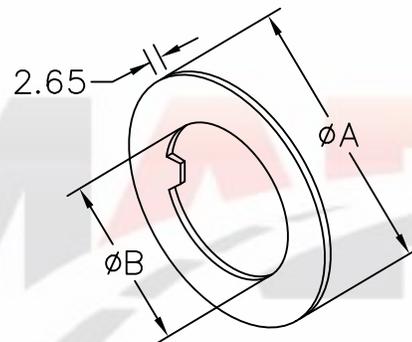
**30.11** - A = 2,65mm



**30.15**  
Arruela dentada do TE com 12 dentes



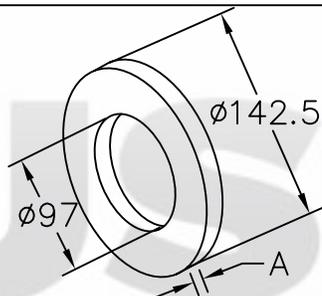
**30.16**  
Arruela dentada do SR com 13 dentes



Arruela lisa

**30.17** - A =  $\phi 62,4$ mm B =  $\phi 99$ mm (TE)

**30.18** - A =  $\phi 80$ mm B =  $\phi 126$ mm (SR)



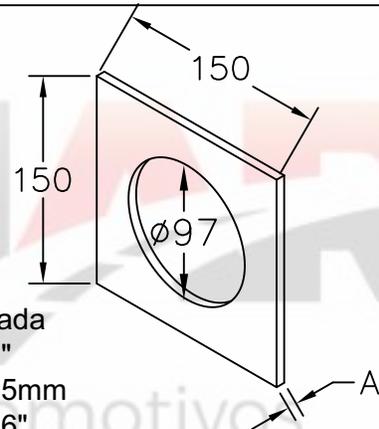
Arruela externa para balança do SR

**30.19** - A = 3/8"

**30.20** - A = 5/16"

**30.21** - A = 1/4"

**30.22** - A = 4,25mm



Arruela quadrada

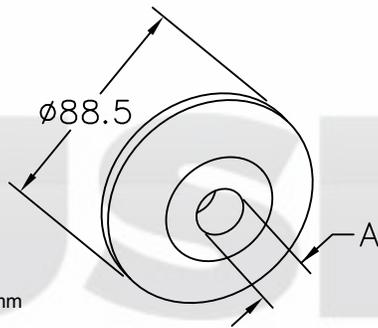
**30.23** - A = 1/4"

**30.24** - A = 4,25mm

**30.25** - A = 5/16"

**30.26** - A = 3/8"

# RANDON

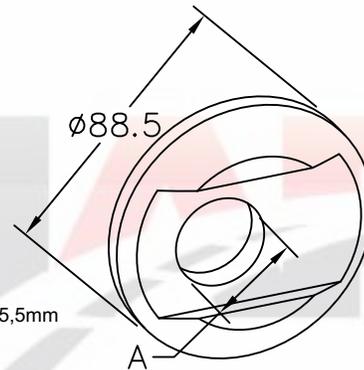


Espessura 15,5mm

Arruela de alinhamento com furo centralizado

**30.58** - A = 30,5mm M30

**31.48** - A = 22,5mm M22

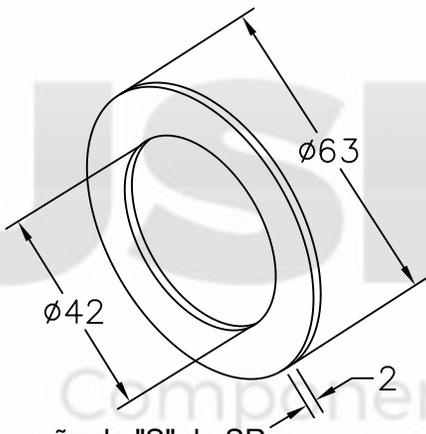


Espessura 15,5mm

Arruela de alinhamento com furo fora de centro

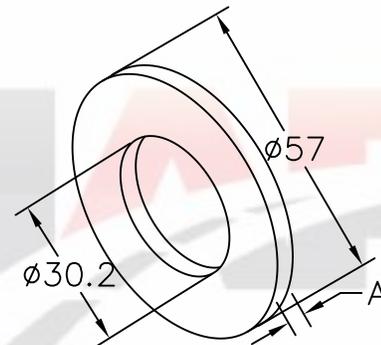
**30.59** - A = 30,5mm M30

**30.93** - A = 22,5mm M22



**30.83**

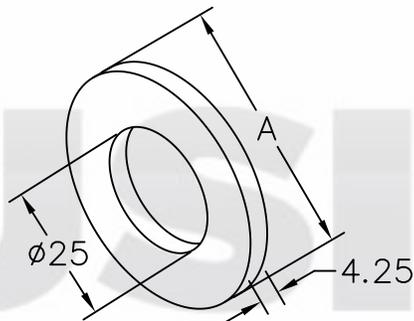
Arruela do varão do "S" do SR



Arruela do pino do tensor 87

**30.89** - A = 4,25mm

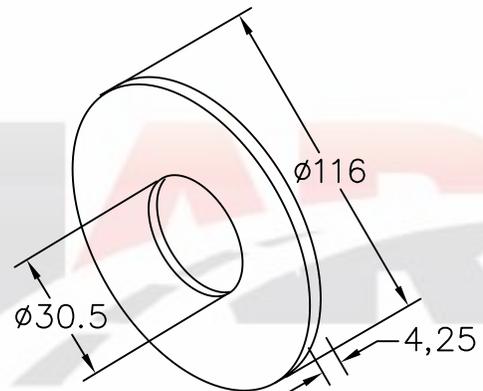
**30.90** - A = 2mm



Arruela do pino do tensor para suspensão a partir de 2000

**30.91** - A = Ø57mm

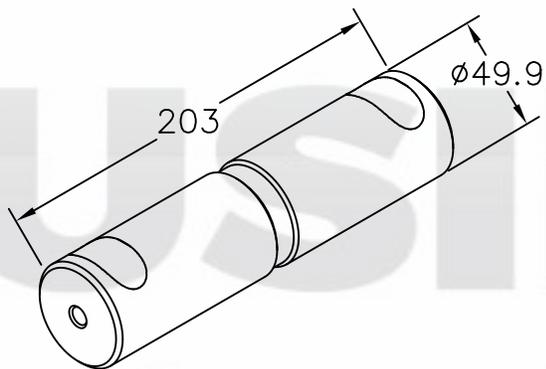
**30.92** - A = Ø47mm



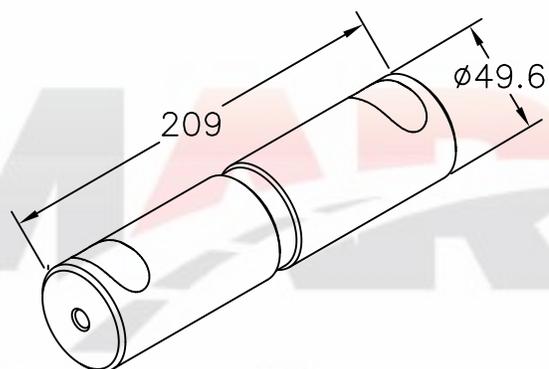
**31.50**

Arruela de desgaste externa susp. pneumática

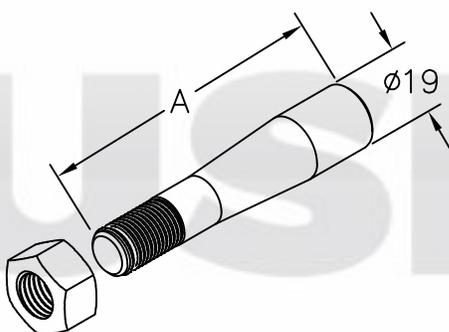
# RANDON



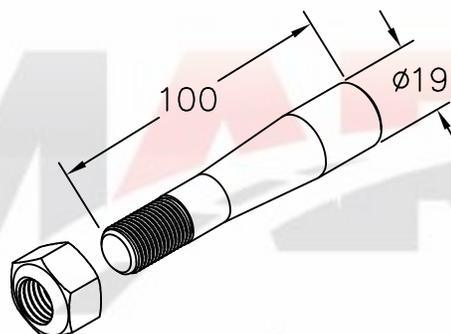
**40.01**  
Pino da balança do SR



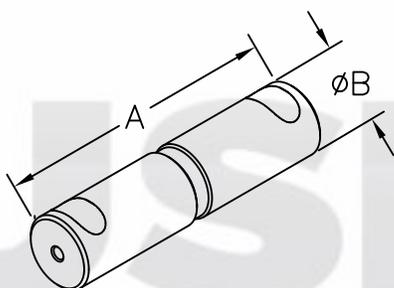
**40.02**  
Pino da balança



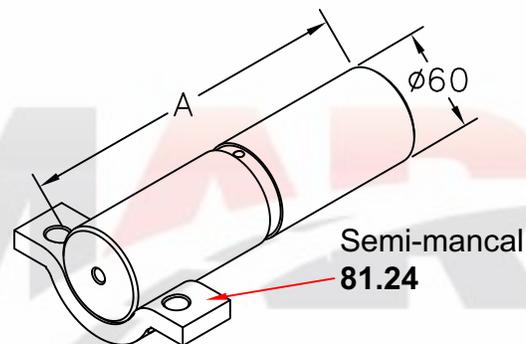
Pino cônico para mancal com porca do SR  
**40.03** - A = 92mm  
**40.05** - A = 100mm



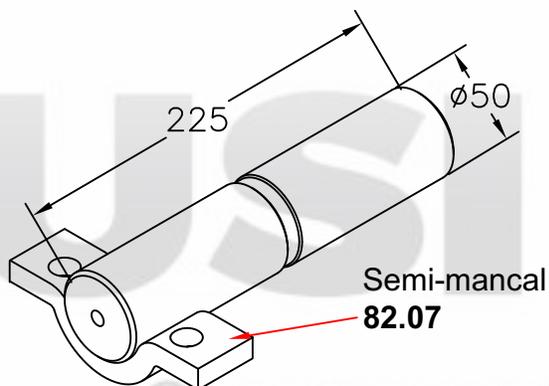
**41.18**  
Pino cônico c/ porca autotravante



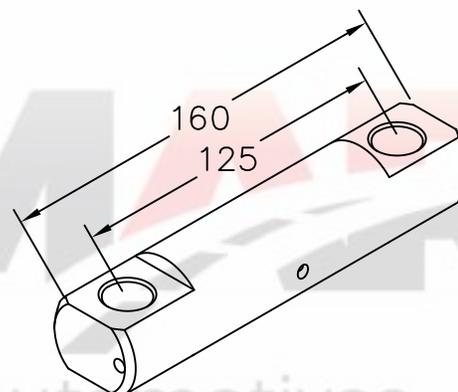
Pino da balança p/ chaveta cônica  
**40.07** - A = 260mm B = Ø60mm (SR)  
**40.08** - A = 226mm B = Ø60mm (TE)  
**40.09** - A = 260mm B = Ø50mm (SR)



Pino da balança do SR  
**40.10** - A = 225mm  
**40.11** - A = 260mm

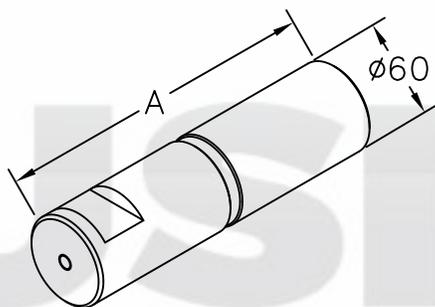


**40.12**  
Pino da balança do SR com mancal



**40.13**  
Pino do olho da mola do TE LS

# RANDON

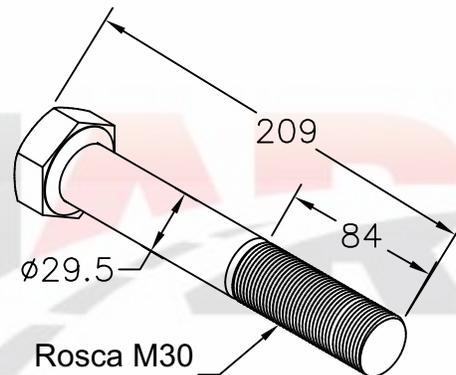


Pino da balança com chave maciça

40.14 - A = 226mm (TE)

40.15 - A = 260mm (SR)

40.16 - A = 240mm (SR modelo 87)

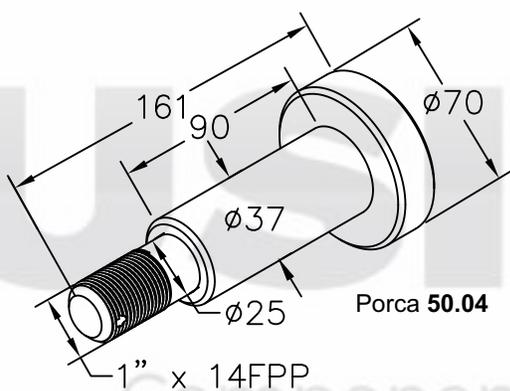


Porca  
50.30

Rosca M30  
passo 2mm

40.58

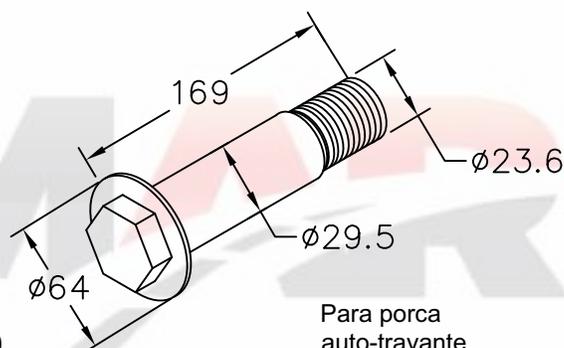
Pino da balança do SR modelo 2008



Porca 50.04

41.03

Pino tensor do TE ou SR



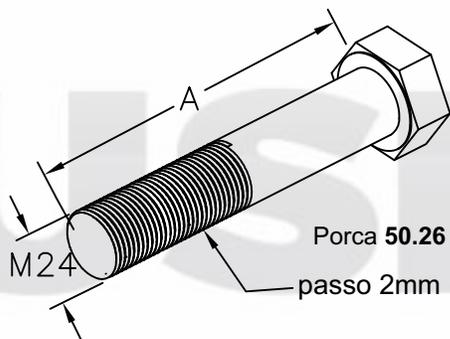
Para porca  
auto-travante  
50.26

41.09

Pino tensor do SR

41.10

Pino do tensor linha leve rosca 1"



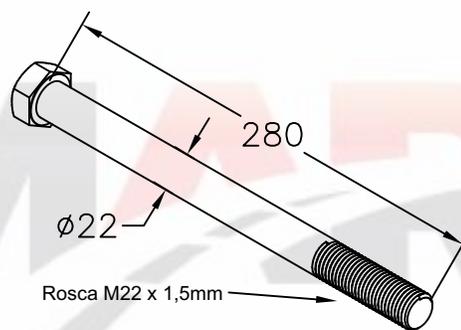
Porca 50.26

passo 2mm

Pino do tensor do SR 2000

41.16 - A=125

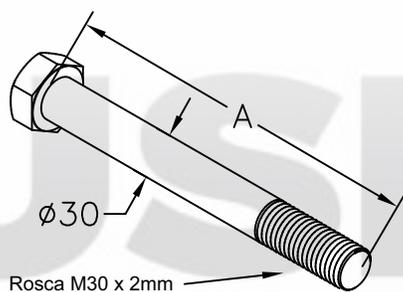
41.20 - A=140



Rosca M22 x 1,5mm

41.40

Parafuso da suspensão pneumática do SR

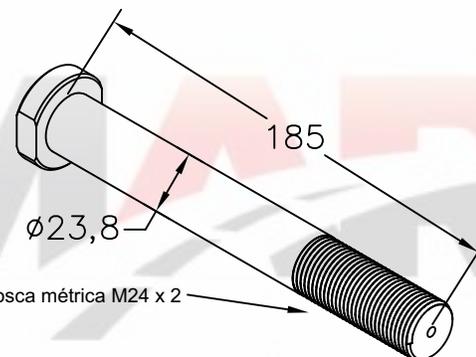


Rosca M30 x 2mm

Parafuso da suspensão pneumática do SR

41.41 - A = 265mm

41.65 - A = 230mm

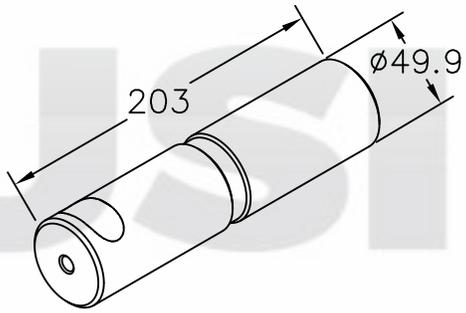


Rosca métrica M24 x 2

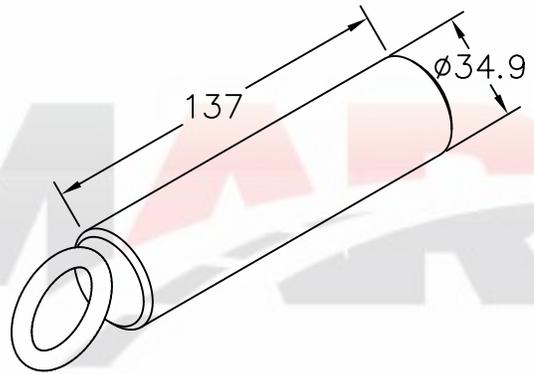
41.52

Pino do tensor do suporte dianteiro inclinado  
suspensão carrega tudo

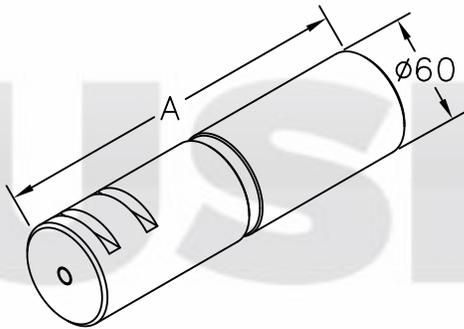
# RANDON



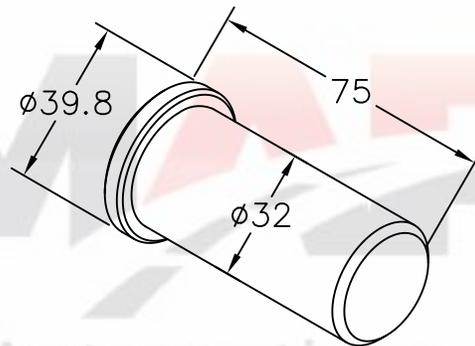
**41.62**  
Pino da balança com uma chaveta do SR



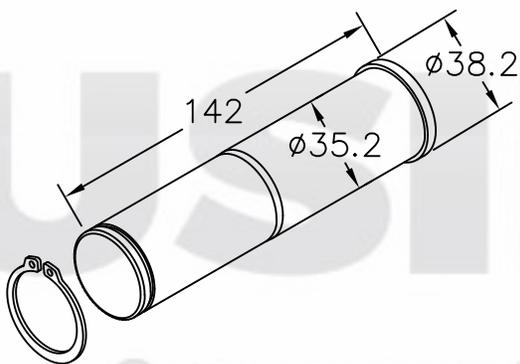
**41.68**  
Pino do suporte traseiro do TE



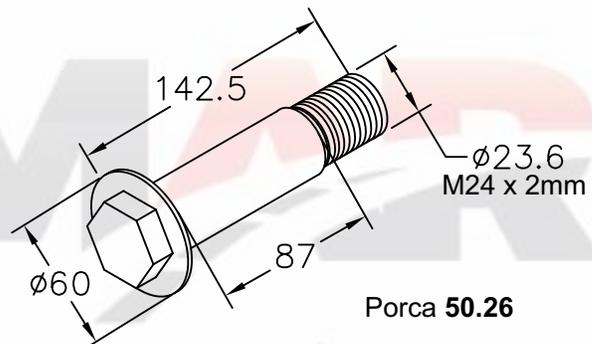
Pino da balança com chaveta U  
**41.72** - A = 226mm (TE)  
**41.70** - A = 260mm (SR)



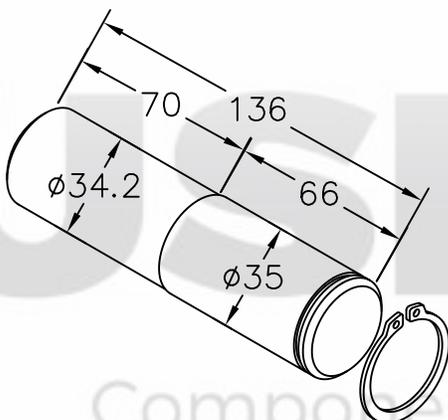
**41.86**  
Pino da sapata do freio do TE



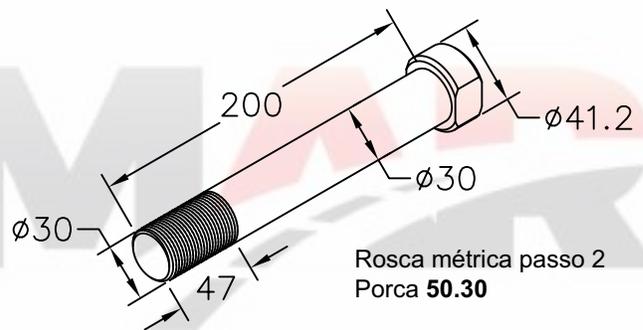
**42.07**  
Pino da sapata do freio do SR com anel



**42.16**  
Pino do tensor leve do SR distanciado



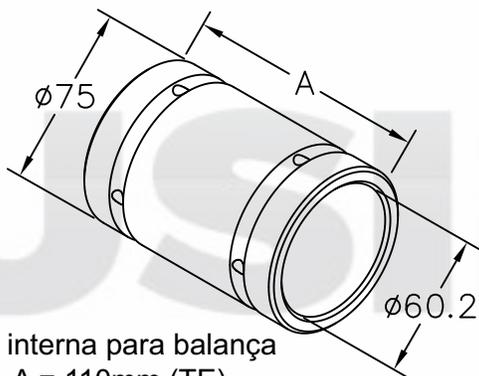
**42.24**  
Pino da sapata do freio do SR com anel



**42.25**  
Pino de apoio da mola do suporte para 1º eixo do SR (suspensão pneumática)



# RANDON

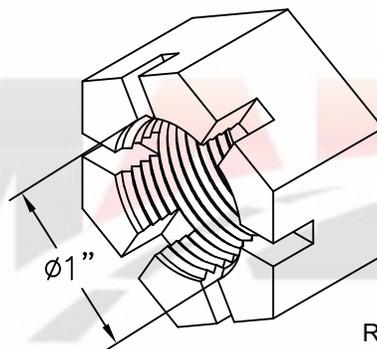


Bucha interna para balança

**50.03** - A = 110mm (TE)

**50.39** - A = 149mm (SR)

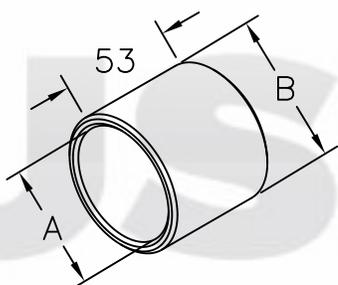
**50.40** - A = 120mm (SR)



Rosca 14 Fpp

**50.04**

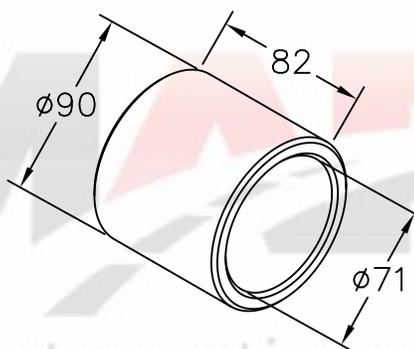
Porca castelo do pino tensor do TE ou SR



Bucha interna da balança do SR

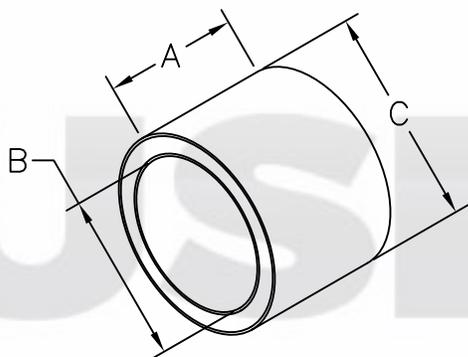
**50.09** - A = Ø50,2mm B = Ø60

**50.57** - A = Ø50,2mm B = Ø59,5mm



**50.10**

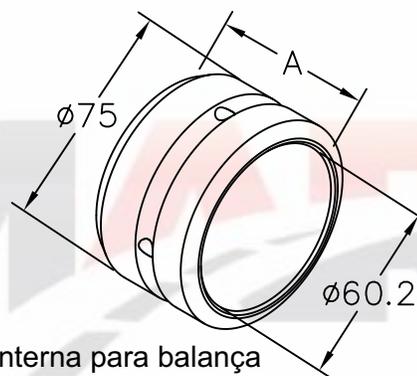
Bucha da ponteira do tensor do SR



Bucha externa do tensor para bucha molecular

**50.11** - A = 55,5mm B = Ø58,1mm C = Ø75mm

**50.12** - A = 56mm B = Ø62,8mm C = 80mm

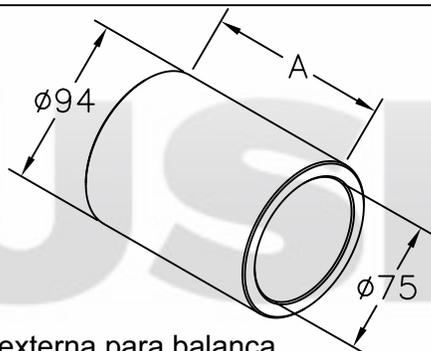


Bucha interna para balança

**50.16** - A = 55mm (SR)

**50.17** - A = 45mm (TE)

**50.18** - A = 65mm (SR)

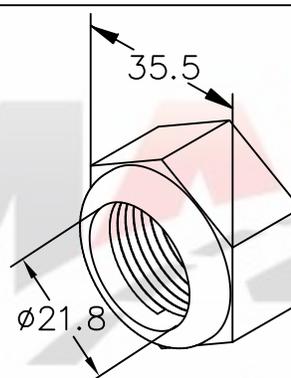


Bucha externa para balança

**50.24** - A = 118mm (SR)

**51.37** - A = 110mm (TE)

**51.43** - A = 149mm (SR)

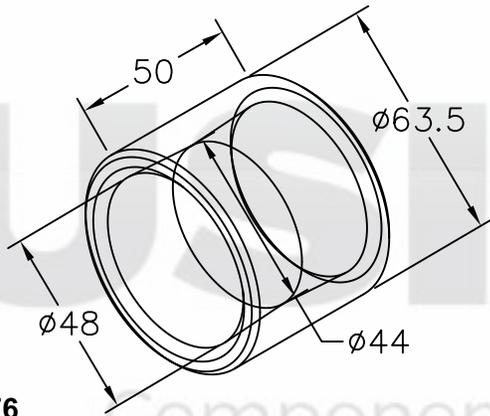


M24 x 2mm

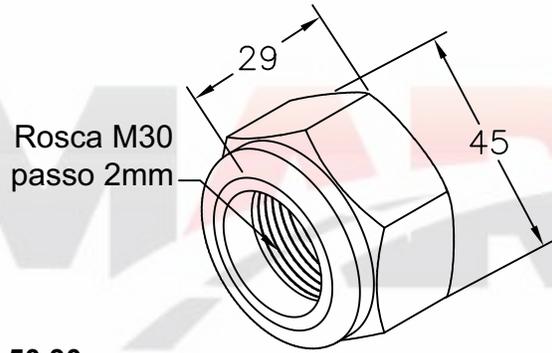
**50.26**

Porca auto-travante do pino tensor do SR ou TE

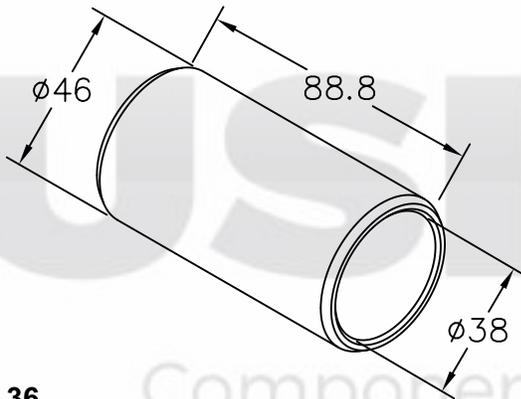
# RANDON



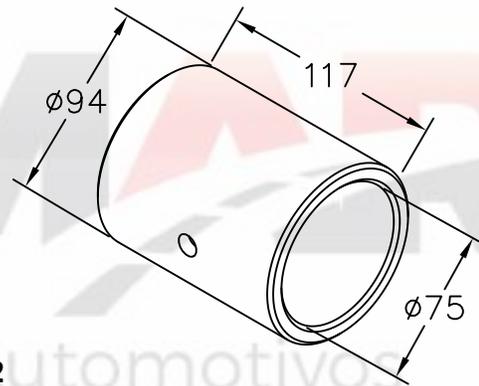
**30.76**  
Bucha cônica da ponteira do tensor do SR



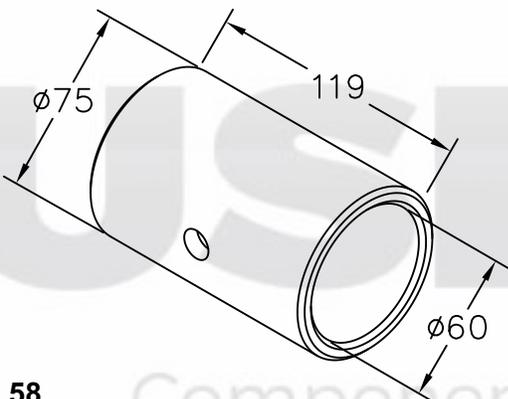
**50.30**  
Porca auto travante do pino da balança do SR modelo 2008



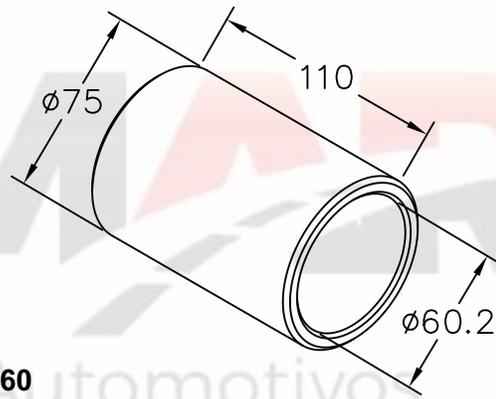
**50.36**  
Bucha do olho da mola do TE LS individual



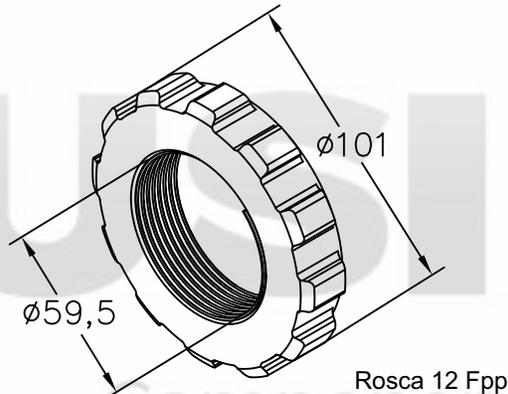
**50.42**  
Bucha externa da balança do SR



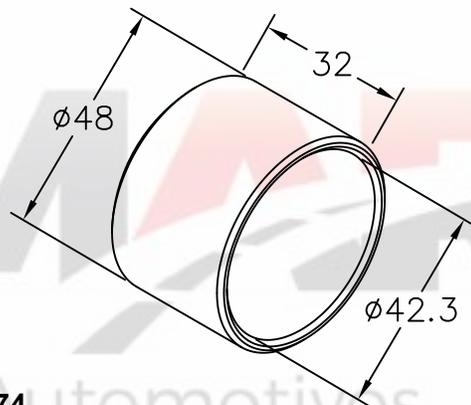
**50.58**  
Bucha externa da balança do SR



**50.60**  
Bucha interna da balança do TE

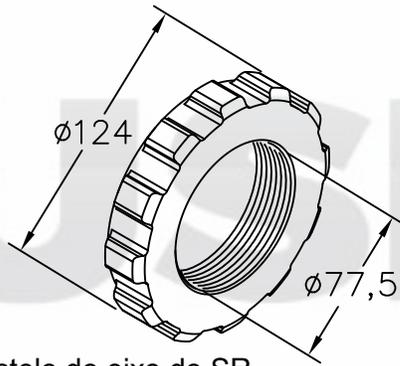


**50.65**  
Porca castelo do eixo do TE

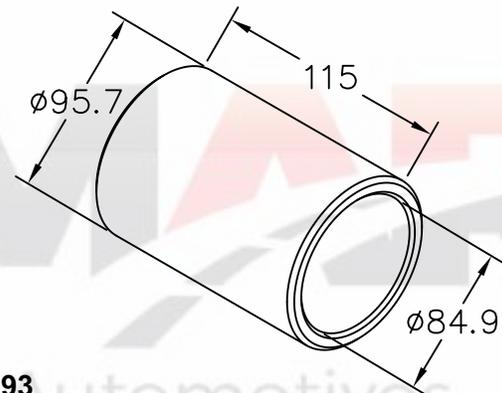


**50.74**  
Bucha de ferro do varão do "S" do SR

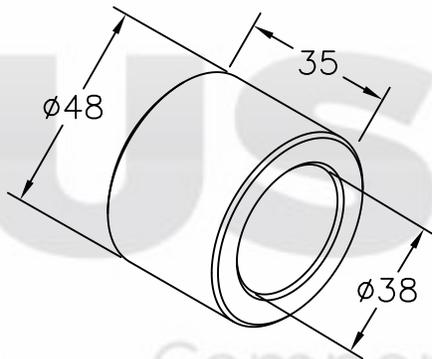
# RANDON



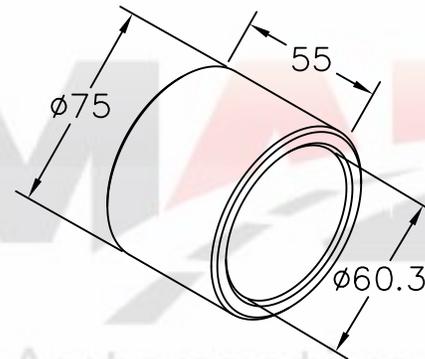
Porca castelo do eixo do SR  
**30.80** - Rosca 12 Fpp  
**50.68** - Rosca 10 Fpp



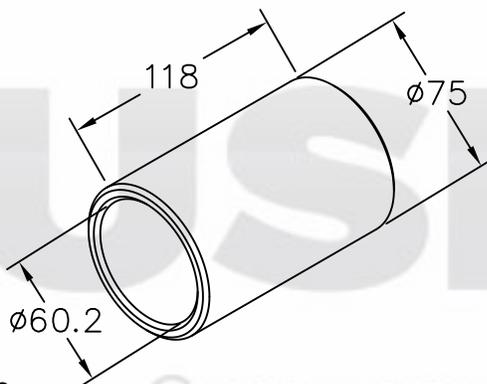
**50.93**  
 Buchta externa da balança do SR 2008



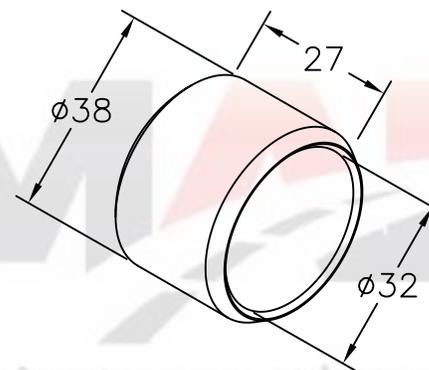
**50.98**  
 Buchta de ferro do varão do "S" (freio Master)



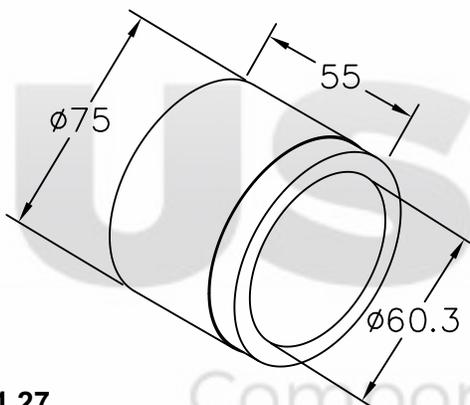
**51.03**  
 Buchta interna da balança do SR



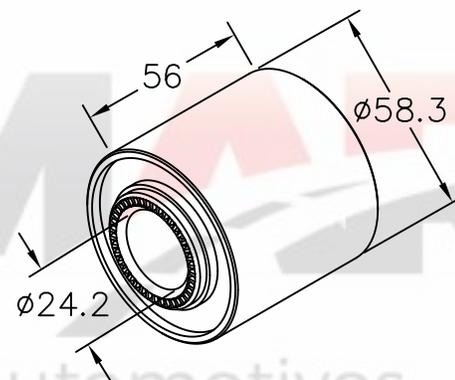
**51.09**  
 Buchta interna da balança do SR



**51.10**  
 Buchta de ferro do pino da sapata do freio do SR



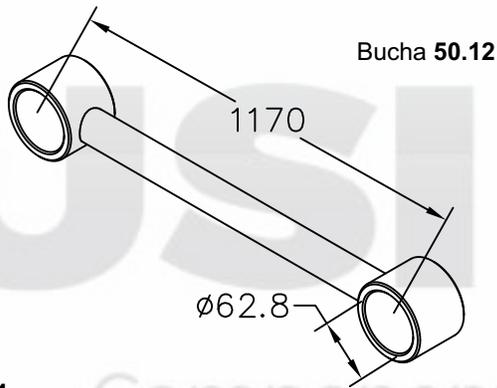
**51.27**  
 Buchta interna da balança do TE ou SR



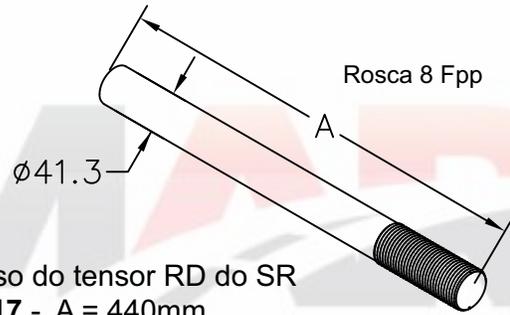
**90.63**  
 Buchta Molecular 2000



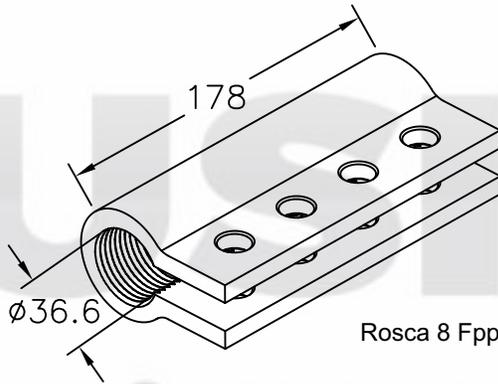
# RANDON



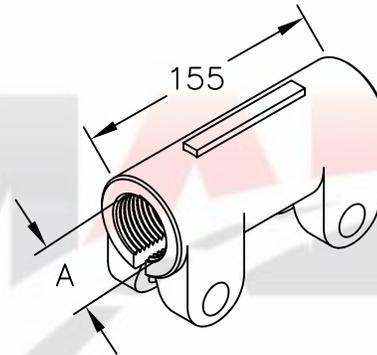
**60.01**  
Tensor fixo 1170mm do SR distanciado



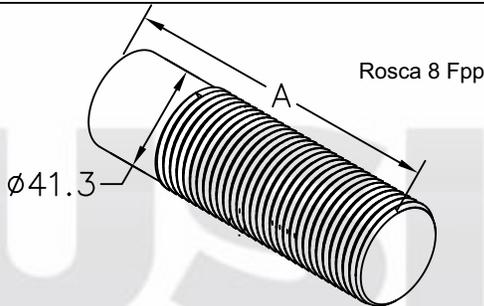
Fuso do tensor RD do SR  
**60.17** - A = 440mm  
**60.18** - A = 570mm  
**60.19** - A = 600mm  
**60.20** - A = 486mm  
**60.21** - A = 800mm



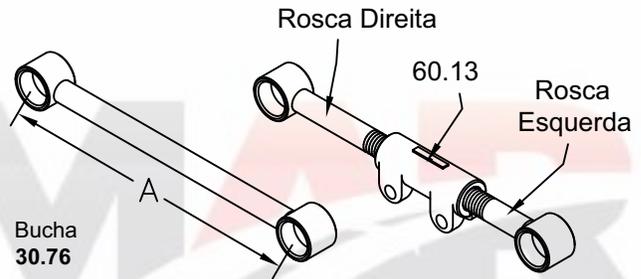
**60.22**  
Luva do tensor do TE ou SR



Luva fundida do tensor  
**60.23** - A = Ø36,6mm (Rosca 8fpp)  
**60.13** - A = Ø31mm (Rosca 10fpp)



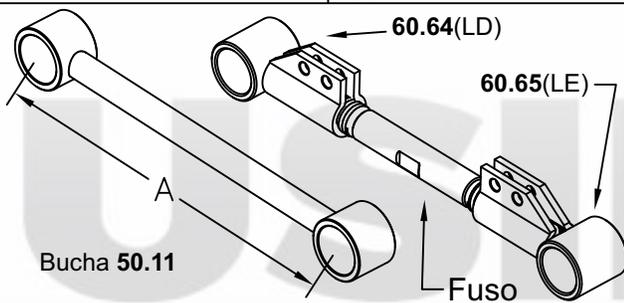
Fuso do tensor do SR



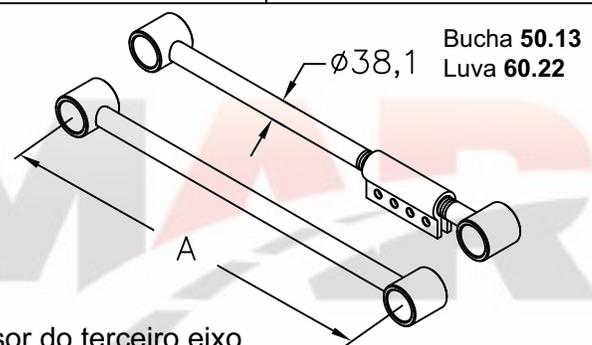
Tensor do SR com bucha cônica

ROSCA ESQUERDA	ROSCA DIREITA
<b>60.15</b> - A = 134mm	<b>61.16</b> - A = 134mm
<b>60.16</b> - A = 250mm	<b>61.17</b> - A = 250mm
	<b>61.81</b> - A = 350mm

REGULÁVEL	FIXO
<b>60.25</b> - A = 484 mm	<b>60.26</b> - A = 484 mm
<b>60.27</b> - A = 530 mm	<b>60.28</b> - A = 530 mm



Tensor do SR 2000 em chapa

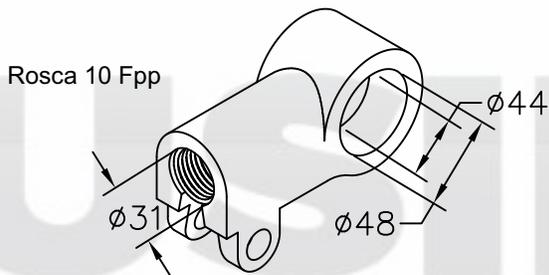


Tensor do terceiro eixo

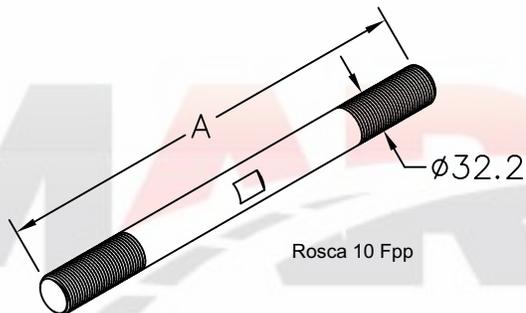
REGULÁVEL	FIXO	FUSO
<b>60.29</b> - A = 480mm	<b>60.30</b> - A = 480mm	<b>60.39</b> - 330mm
<b>60.31</b> - A = 510mm	<b>60.32</b> - A = 510mm	<b>60.40</b> - 365mm

TRASEIRO - A = 630	DIANTEIRO - A = 820
<b>60.52</b> - Regulável	<b>60.50</b> - Regulável
<b>60.53</b> - Fixo	<b>60.51</b> - Fixo

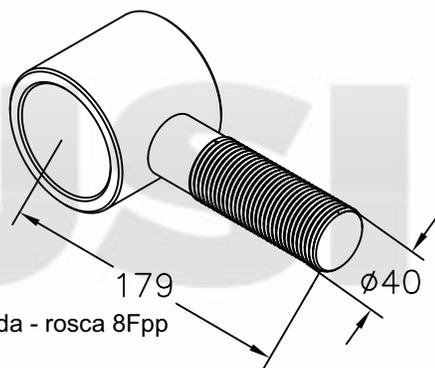
# RANDON



Rosca 10 Fpp  
**60.54** - Rosca direita  
**60.55** - Rosca esquerda

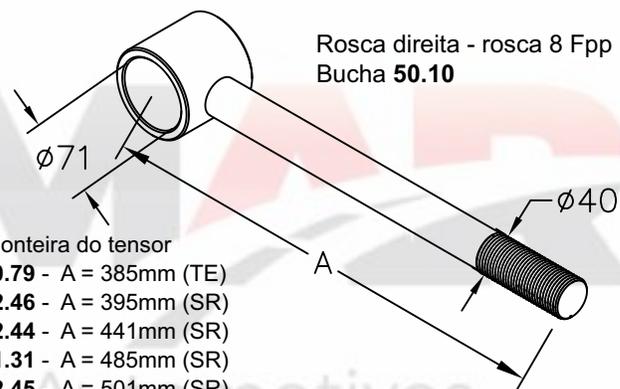


Fuso do tensor regulável do SR  
**60.75** - A = 388mm  
**60.77** - A = 330mm



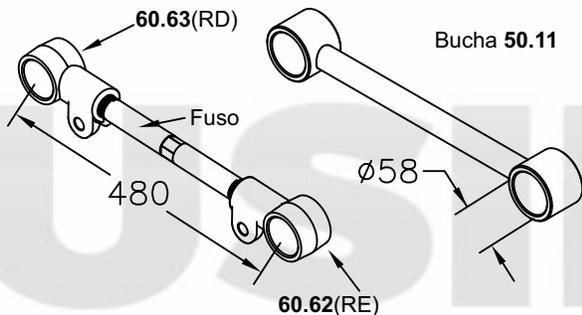
Rosca esquerda - rosca 8Fpp  
 Bucha **50.10**

**60.78**  
 Ponteira do tensor do TE



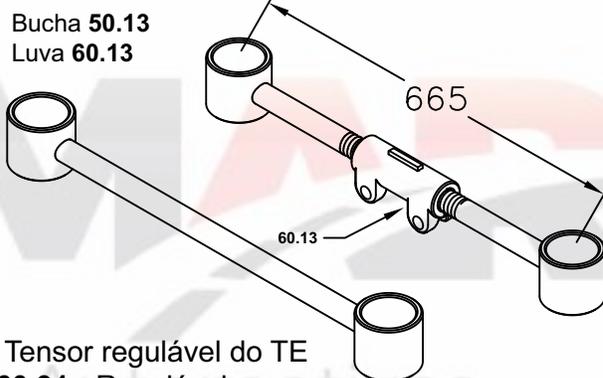
Rosca direita - rosca 8 Fpp  
 Bucha **50.10**

Ponteira do tensor  
**60.79** - A = 385mm (TE)  
**62.46** - A = 395mm (SR)  
**62.44** - A = 441mm (SR)  
**61.31** - A = 485mm (SR)  
**62.45** - A = 501mm (SR)  
**61.39** - A = 531mm (SR)  
**61.46** - A = 600mm (SR)

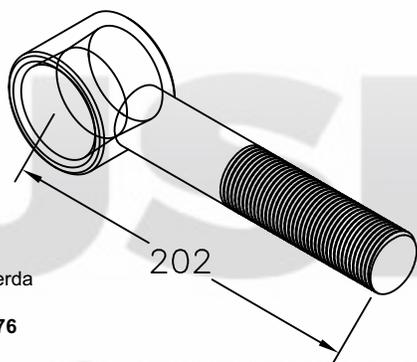


Tensor do SR 2000 luvas fundidas

REGULÁVEL	FIXO	FUSO
<b>60.90</b> - A = 480mm	<b>60.30</b> - A = 480mm	<b>61.22</b> - 370mm
<b>61.19</b> - A = 535mm	<b>60.34</b> - A = 535mm	<b>61.20</b> - 430mm

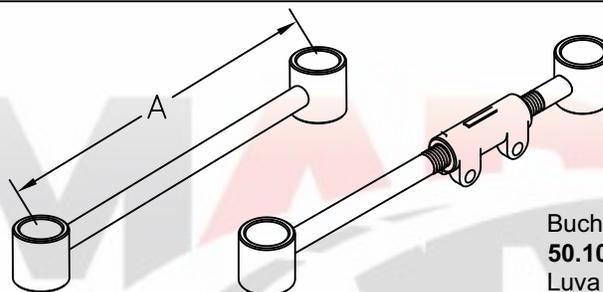


Tensor regulável do TE  
**60.91** - Regulável  
**62.16** - Fixo



Rosca esquerda  
 10Fpp  
 Bucha **30.76**

**61.07**  
 Ponteira do tensor do SR com bucha cônica



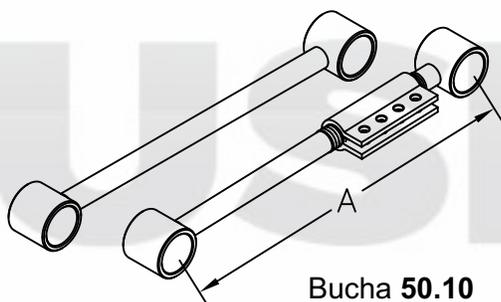
Tensor modelo 97

Bucha **50.10**  
 Luva **60.13**

A = 632mm TE	A = 822mm SR
<b>61.36</b> - Fixo	<b>62.47</b> - Fixo
<b>61.51</b> - Regulável	<b>61.95</b> - Regulável

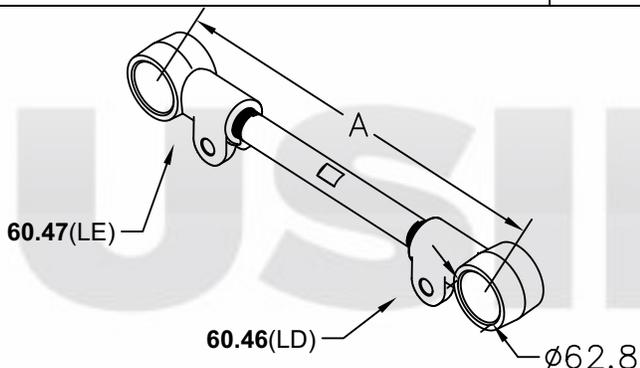
# RANDON

## Tensores do SR e TE

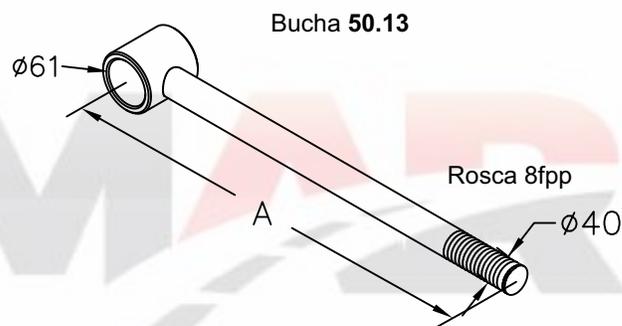


Bucha 50.10  
Luva 60.22

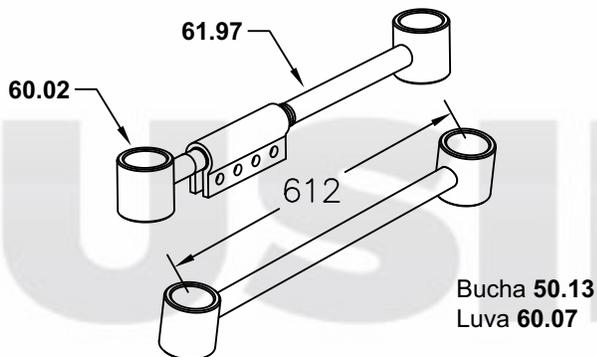
FIXO	REGULÁVEL
61.08 - A = 584mm (TE)	60.66 - A = 584mm (TE)
61.09 - A = 594mm (SR)	62.33 - A = 594mm (SR)
60.56 - A = 640mm (SR)	62.38 - A = 640mm (SR)
61.86 - A = 650mm (TE)	61.85 - A = 650mm (TE)
61.68 - A = 684mm (SR)	60.05 - A = 684mm (SR)
	62.12 - A = 700mm (SR)
62.17 - A = 730mm (SR)	60.80 - A = 730mm (SR)
62.40 - A = 800mm (SR)	61.10 - A = 800mm (SR)
	62.13 - A = 850mm (SR)



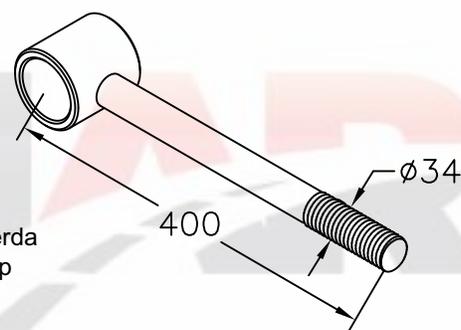
Tensor regulável com luvas fundidas  
61.88 - A = 520mm  
61.89 - A = 560mm



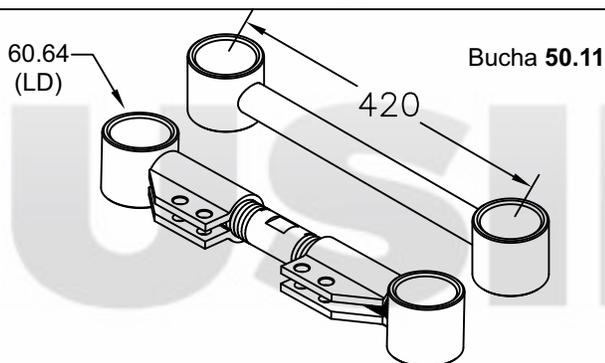
Ponteira do TE tensor regulável  
61.93 - A = 190mm Rosca Direita  
61.92 - A = 420mm Rosca Esquerda  
61.94 - A = 610mm Rosca Esquerda



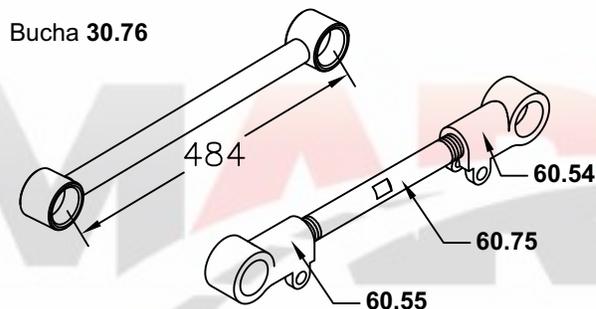
Tensor do TE LS  
61.96 - Regulável  
61.42 - Fixo



Rosca esquerda  
Rosca 10 Fpp  
Bucha 50.13  
Ponteira do tensor regulável  
61.97 - A = 400mm (TE LS)  
60.69 - A = 610mm (TE)

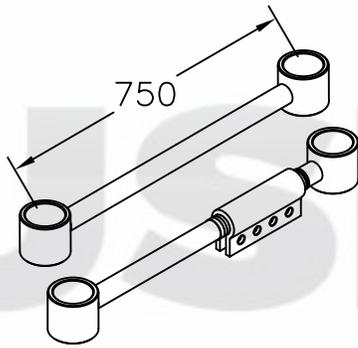


Tensor do SR carrega tudo  
62.02 - Regulável  
62.37 - Fixo



Tensor regulável buchas fundidas cônicas do SR  
62.10 - Tensor regulável  
60.26 - Tensor fixo

# RANDON

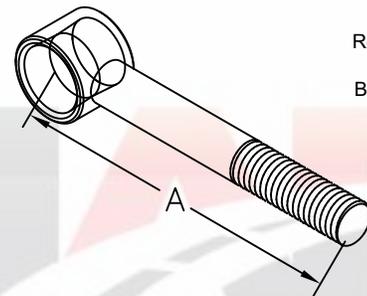


Bucha 50.10  
Luva 60.22

Tensor Regulável do TE Dianteiro

62.35 - Fixo

62.36 - Regulável



Rosca direita  
10fpp  
Bucha 30.76

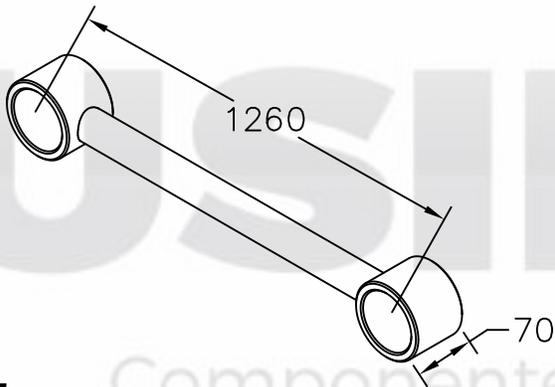
Ponteira do tensor do SR com bucha cônica

62.42 - A = 168mm

62.43 - A = 252mm

61.06 - A = 262mm

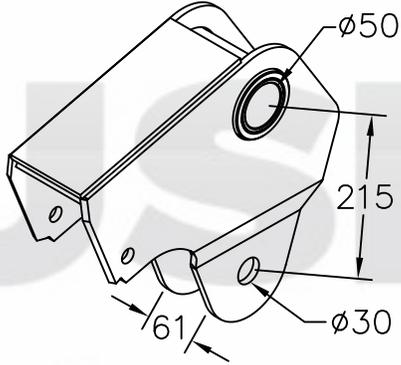
62.41 - A = 308mm



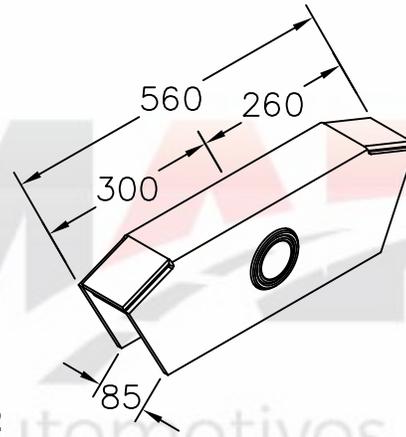
62.77

Tensor fixo do SR distanciado 2018

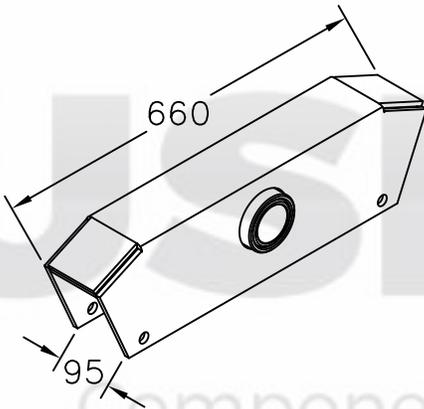
# RANDON



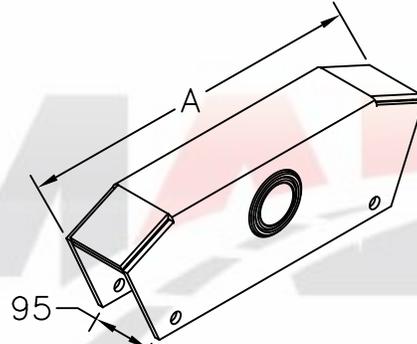
**70.01**  
Balança Suspensão Distanciada Curta p/ pino Ø50mm



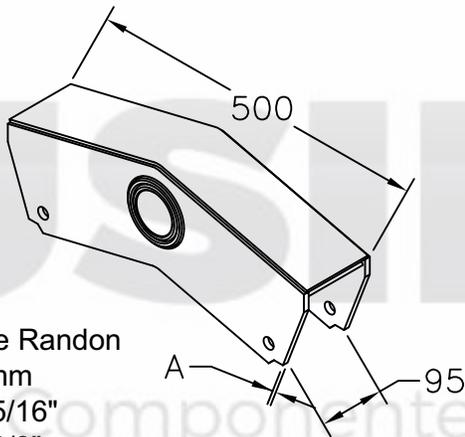
**70.02**  
Balança do TE p/ pino Ø60



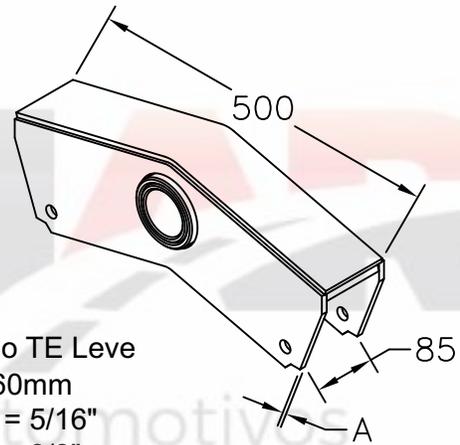
**70.03**  
Balança p/ pino Ø 60mm do SR ANTIGO



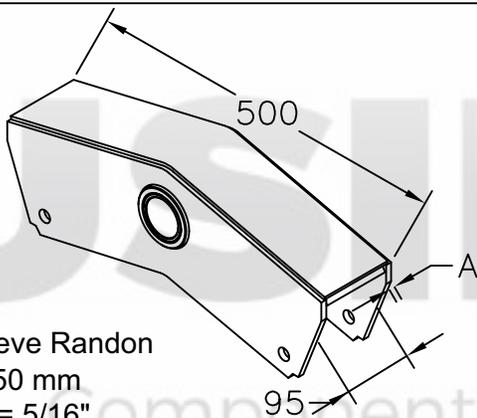
Balança do SR p/ pino Ø60  
**70.05** - A = 545mm  
**77.44** - A = 600mm



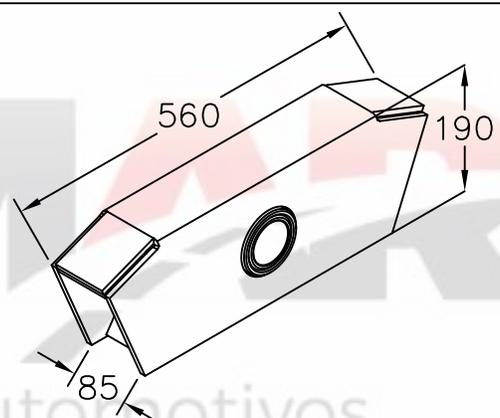
Balança Leve Randon  
p/ pino Ø60mm  
**70.08** - A = 5/16"  
**70.07** - A = 3/8"



Balança do TE Leve  
p/ pino Ø60mm  
**70.09** - A = 5/16"  
**73.17** - A = 3/8"

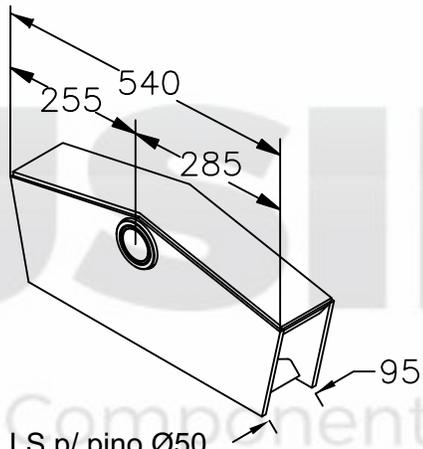


Balança Leve Randon  
p/ pino Ø 50 mm  
**70.10** - A = 5/16"  
**71.68** - A = 3/8"



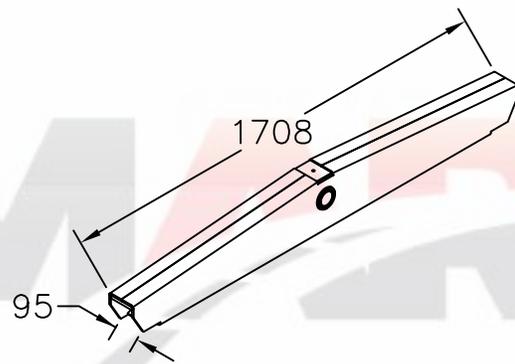
**70.12**  
Balança do TE Centralizada p/ pino Ø 60mm

# RANDON



**70.13**

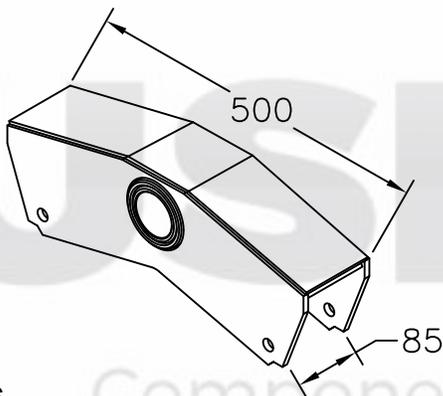
Balança TE LS p/ pino Ø50



Balança do SR pino (suspensão distanciada)

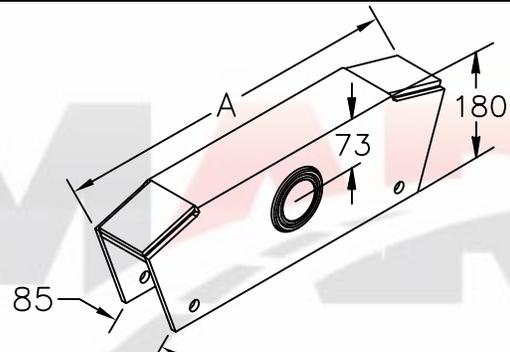
**70.14** - P/ pino Ø50mm

**70.15** - P/ pino Ø60mm



**70.16**

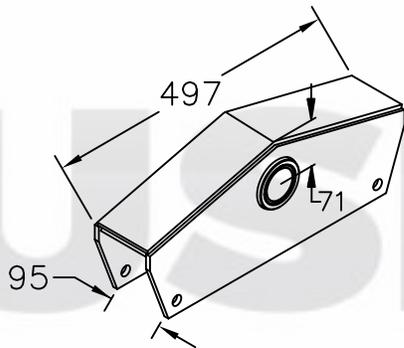
Balança do TE p/ pino Ø60mm



Balança do TE p/ pino Ø60mm

**70.19** - A = 560mm

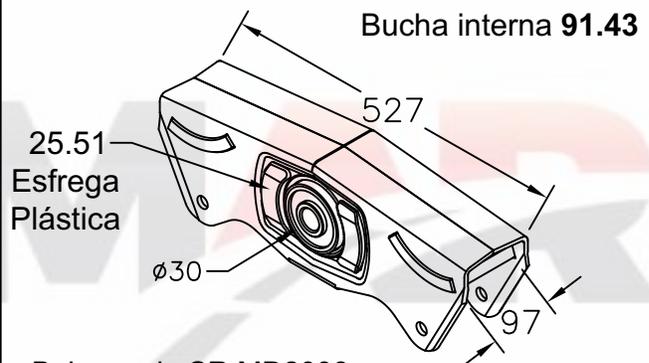
**77.43** - A = 600mm



Balança Dolly/Carrega Tudo do SR

**70.20** - P/ pino Ø50mm

**75.36** - P/ pino Ø60mm



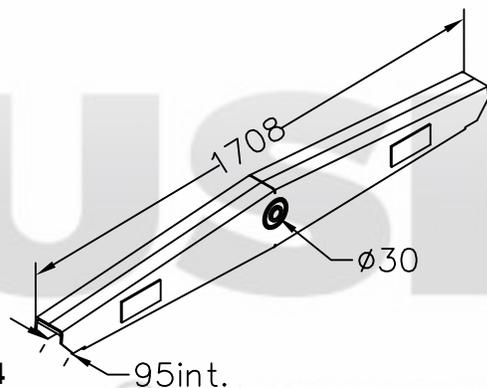
Bucha interna **91.43**

25.51  
Esfrega  
Plástica

Balança do SR MD2008

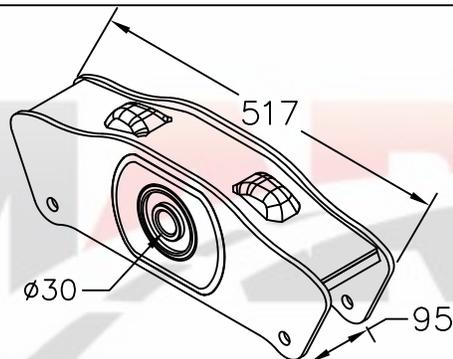
**70.22** - C/ bucha molecular

**70.23** - S/ bucha molecular



**70.24**

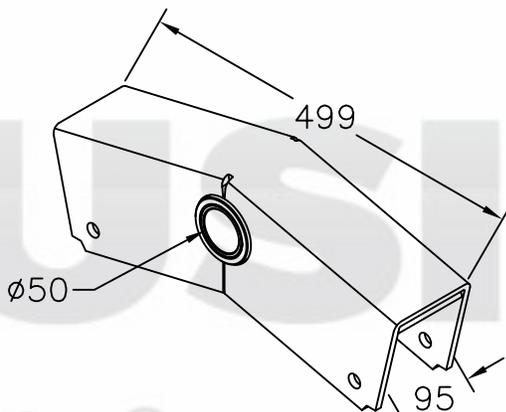
Balança bucha silenciosa da suspensão  
distanciada 2 eixos do SR 2009



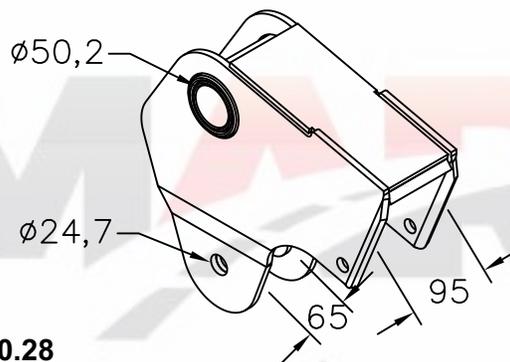
Balança do SR Linha R modelo 2011

**70.25** - C/ bucha molecular

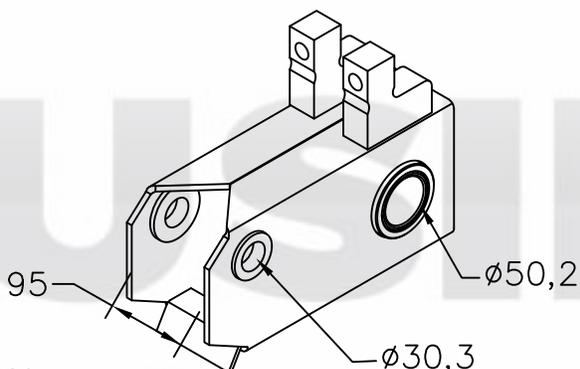
**70.26** - S/ bucha molecular



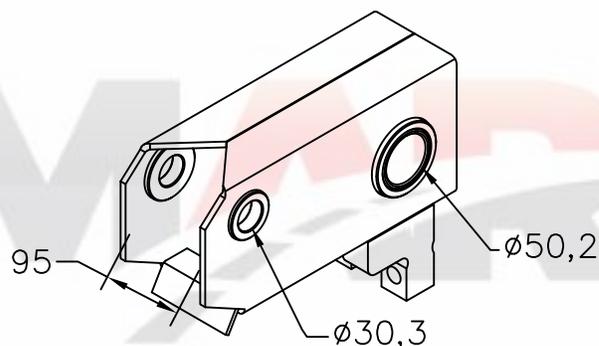
**70.27**  
Balança do SR modelo dobrada



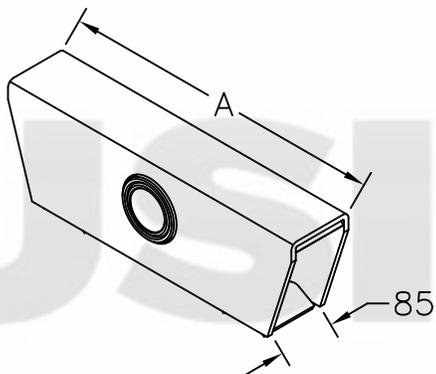
**70.28**  
Balança Suspensão dois eixos distanciada SR Vanderleia



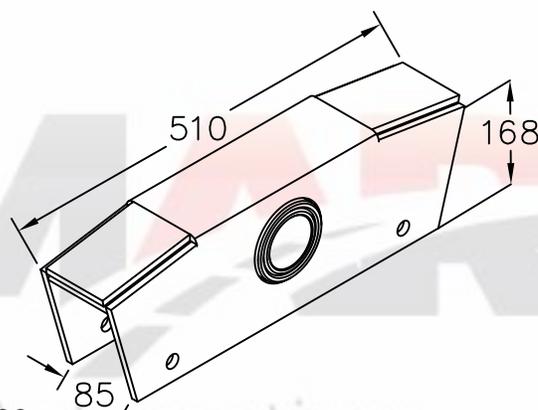
**70.29**  
Balança Dianteira do SR Silo suspensão distanciada a partir de 96



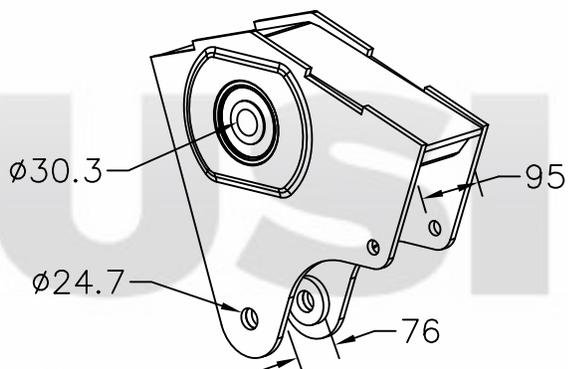
**70.30**  
Balança Traseira do SR Silo suspensão distanciada a partir de 96



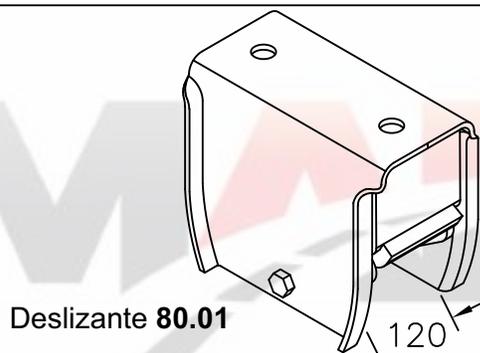
Balança do TE p/ pino Ø 60mm  
**70.34** - A=500mm  
**70.35** - A=550mm



**70.36**  
Balança do TE para pino Ø60 mm

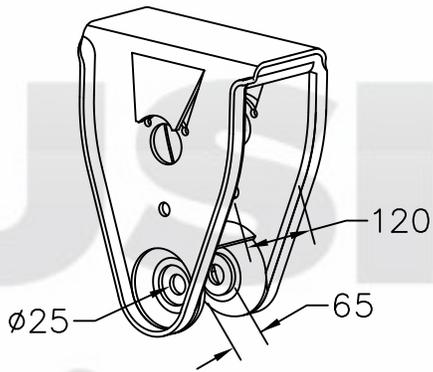


**77.14**  
Balança curta c/ bucha molecular do SR distanciado

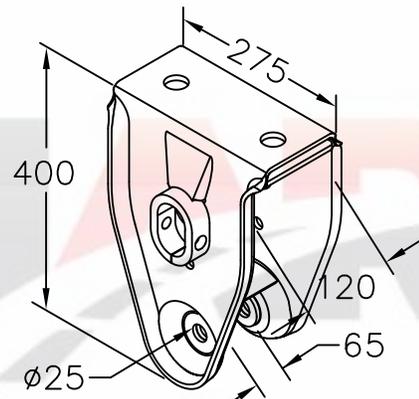


**Deslizante 80.01**  
Suporte traseiro do SR com esfrega móvel  
**71.62** - Com esfrega móvel  
**71.63** - Sem esfrega móvel

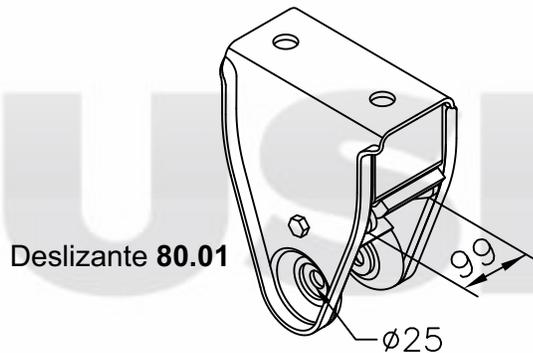
# RANDON



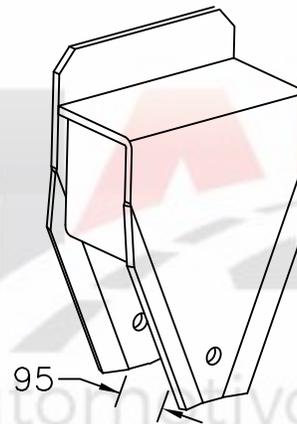
**71.64**  
Suporte central do SR para pino Ø50mm



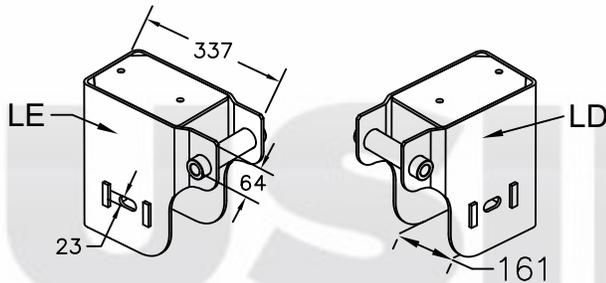
**71.65**  
Suporte central do SR para pino Ø50mm com mancal



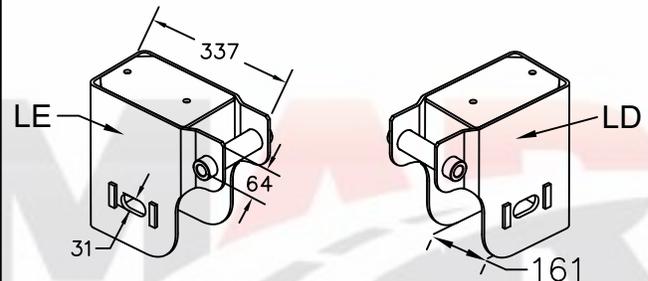
Deslizante **80.01**  
Suporte dianteiro do SR  
**71.66** - Com esfrega móvel  
**71.67** - Sem esfrega móvel



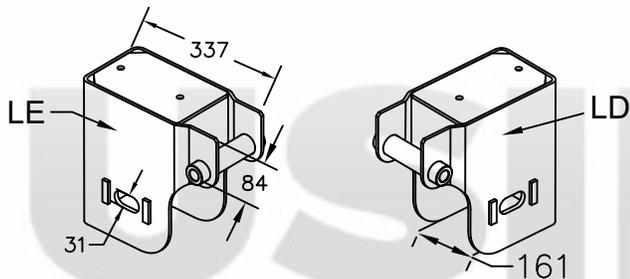
**72.03**  
Suporte dianteiro e traseiro do SR



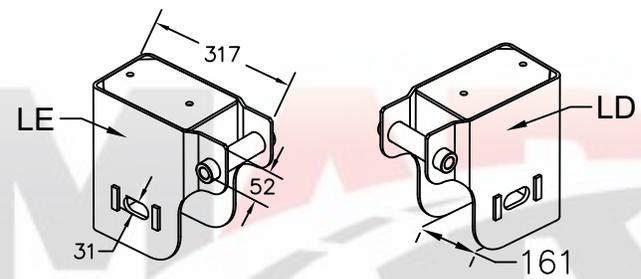
Suporte dianteiro M22 suspensão pneumática FS250 SR  
**72.04** - LD (81300178)  
**72.05** - LE (81300177)



Suporte dianteiro M30 suspensão pneumática FS250 SR  
**72.06** - LE (81300414)  
**72.07** - LD (81300415)

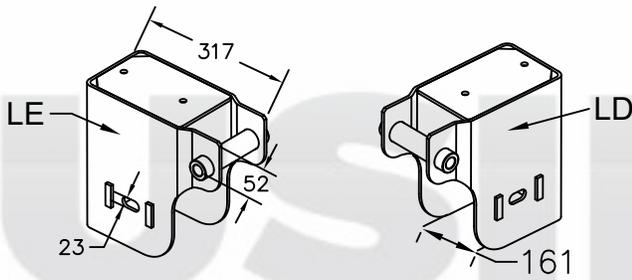


Suporte dianteiro M30x84mm suspensão pneumática FS250 SR  
**72.08** - LE (81300416)  
**72.09** - LD (81300417)

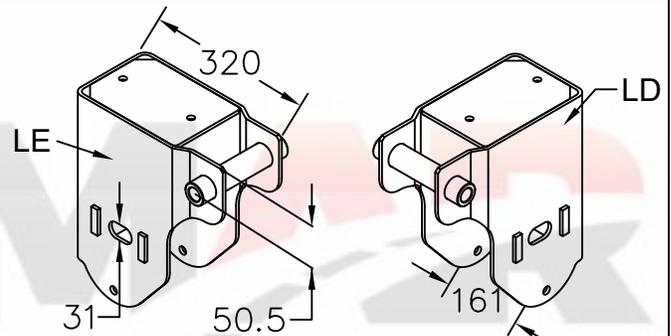


Suporte dianteiro suspensão pneumática FS250 SR  
**72.10** - LE  
**72.11** - LD  
**73.59** - LE em 3/8"  
**73.58** - LD em 3/8"

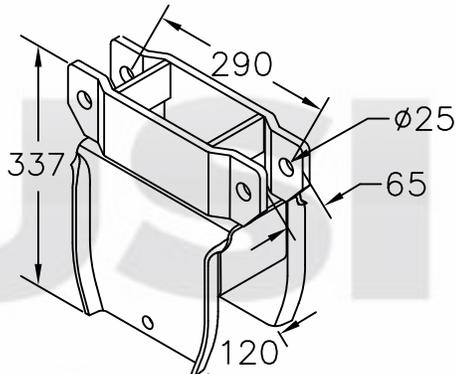
# RANDON



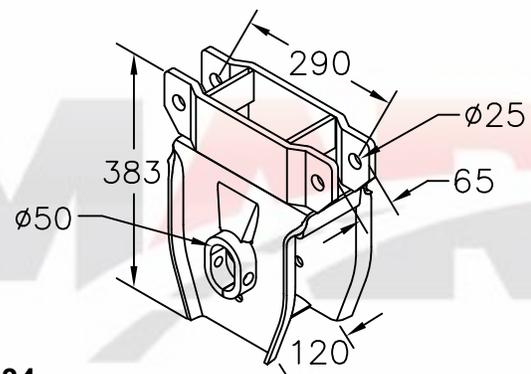
Suporte dianteiro M22 suspensão pneumática  
FS250 SR  
**72.13 - LE**  
**72.14 - LD**



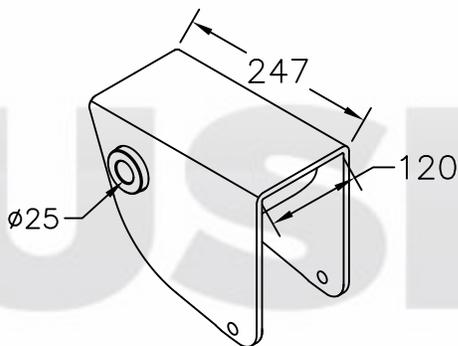
Suporte dianteiro M30 da suspensão pneumática  
PSYS11T SR  
**75.09 - LD**      **77.04 - LD em 3/8"**  
**75.10 - LE**      **77.05 - LE em 3/8"**



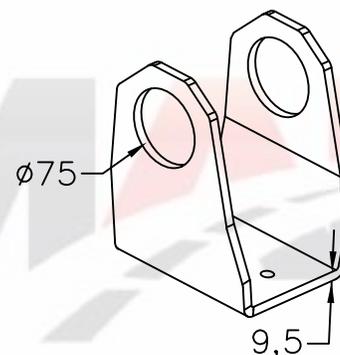
**72.33**  
Suporte Diant/Tras do SR Suspensão Carrega  
Tudo



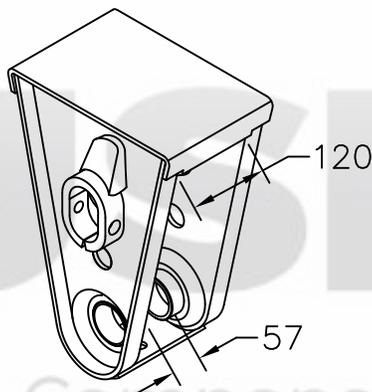
**72.34**  
Suporte Central do SR Suspensão Carrega  
Tudo



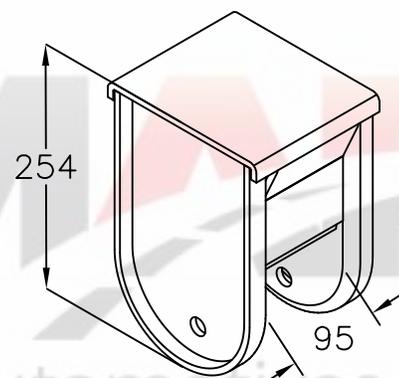
**72.35**  
Suporte Dianteiro inclinado do SR Suspensão  
Carrega Tudo



**72.38**  
Chapa da articulação pneumática SR

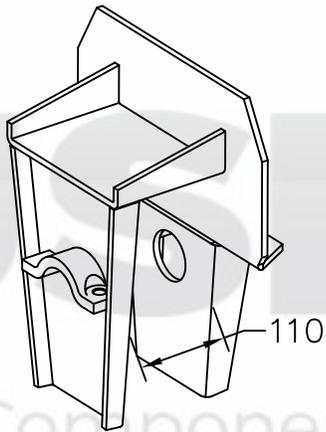


**72.47**  
Suporte central do SR para pino  $\phi 50$ mm

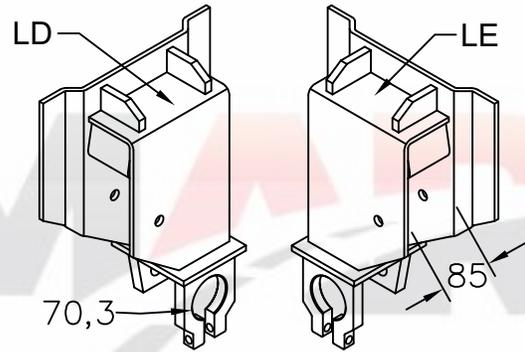


**72.50**  
Suporte traseiro do SR

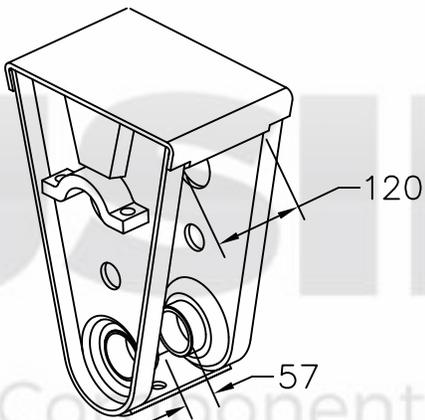
# RANDON



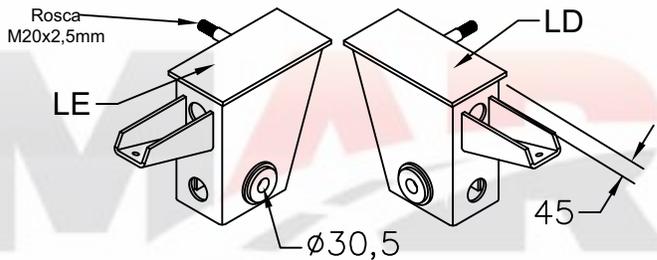
**72.51**  
Suporte central do TE p/ pino Ø60mm



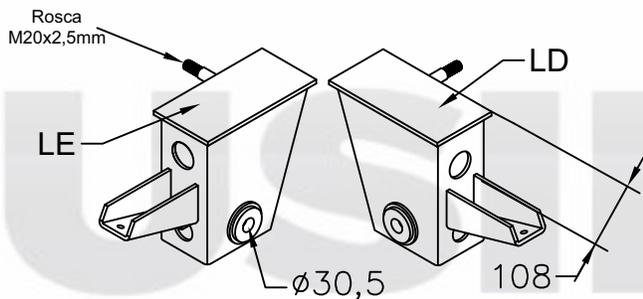
Suporte dianteiro do TE  
**72.53 - LD**  
**72.54 - LE**



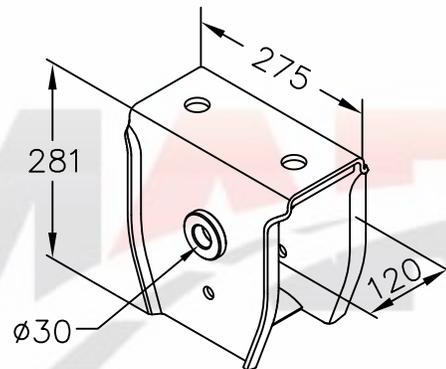
**72.59**  
Suporte central do SR para pino Ø 60mm



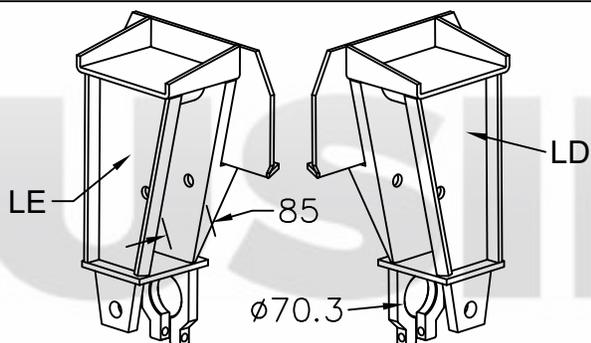
Suporte da suspensão pneumática auto  
direcional do SR.  
**72.63 - LD**  
**72.64 - LE**



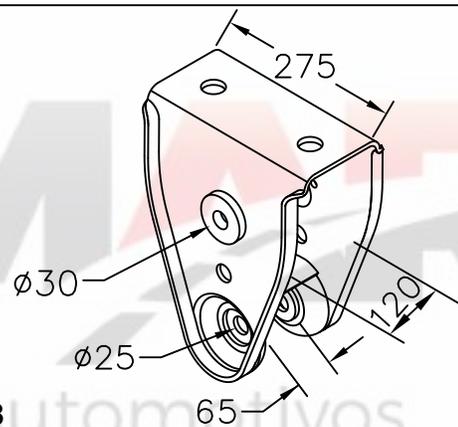
Suporte da suspensão pneumática fixa do SR  
**72.65 - LD**  
**72.66 - LE**



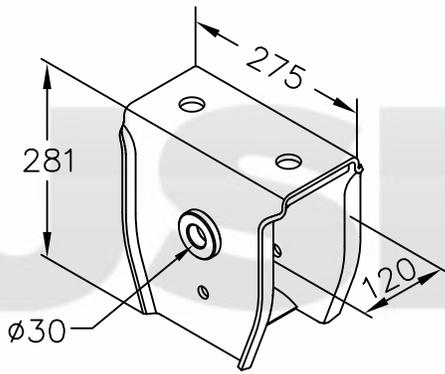
**72.67**  
Suporte central da suspensão distanciada 2  
eixos do SR 2009



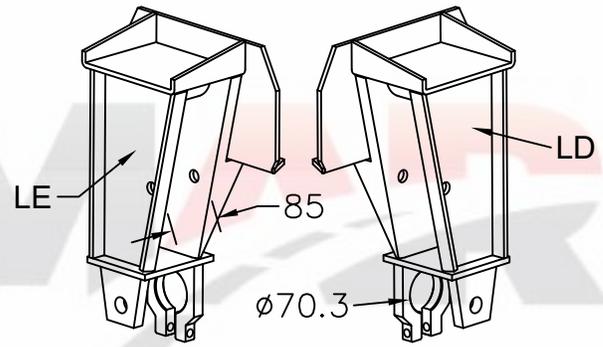
Suporte dianteiro do TE  
**72.76 - LD**  
**72.77 - LE**



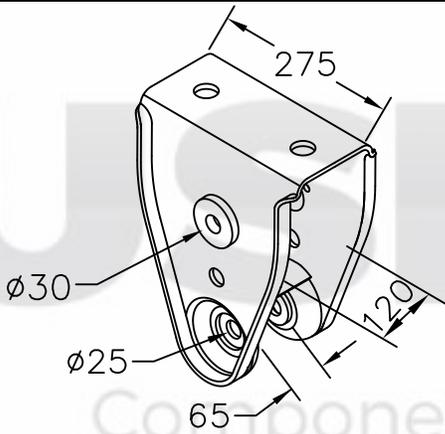
**72.78**  
Suporte central do SR Modelo 2008



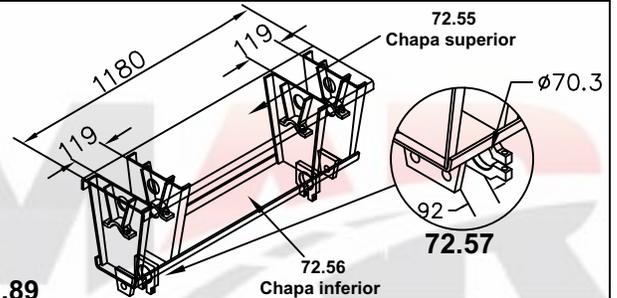
**72.67**  
Suporte central da suspensão distanciada 2 eixos do SR 2009



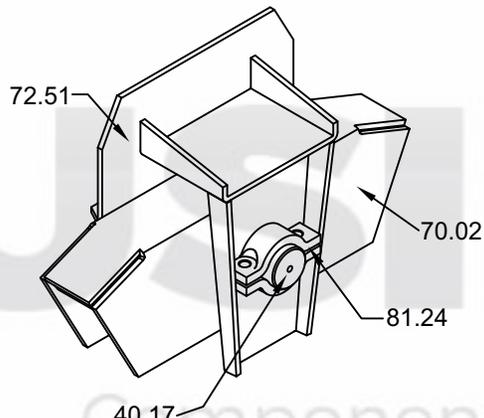
Suporte dianteiro do TE  
**72.76 - LD**  
**72.77 - LE**



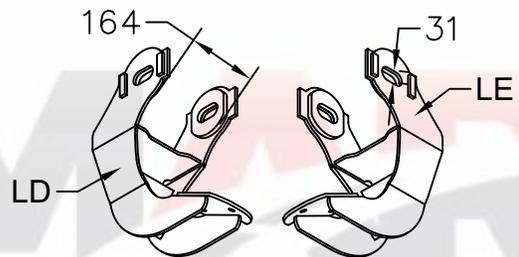
**72.78**  
Suporte central do SR Modelo 2008



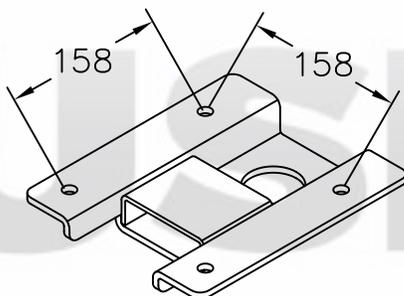
**72.89**  
Suporte da suspensão central c/ mancal simples p/ pino Ø60mm  
**72.57**  
Suporte da suspensão central c/ mancais duplo p/ pino 60mm



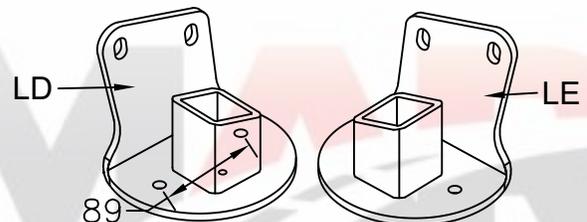
**72.94**  
Kit do TE p/ pino Ø60



Conj. braço suspensor do eixo da suspensão pneumática SR  
**73.25 - LE**  
**73.26 - LD**

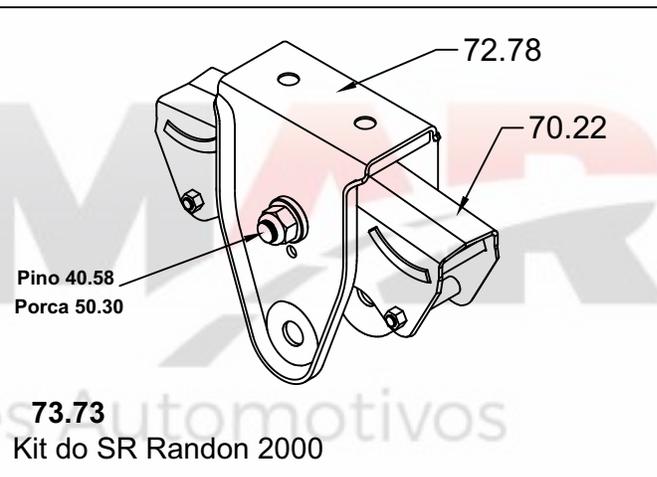
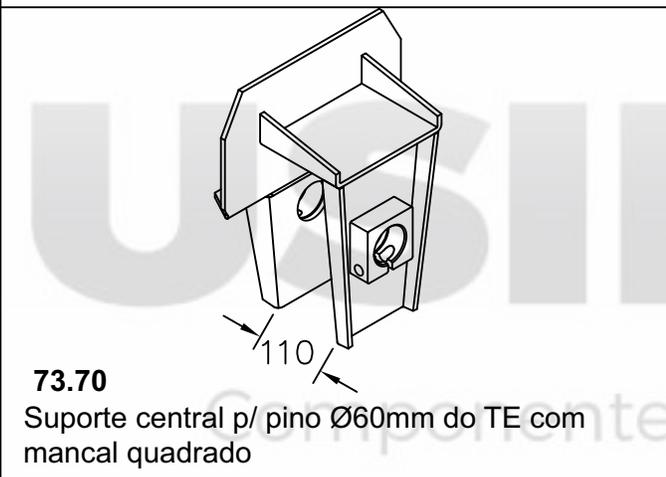
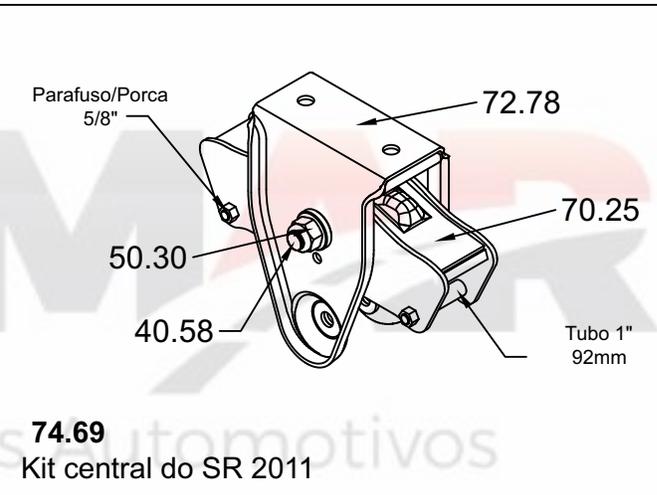
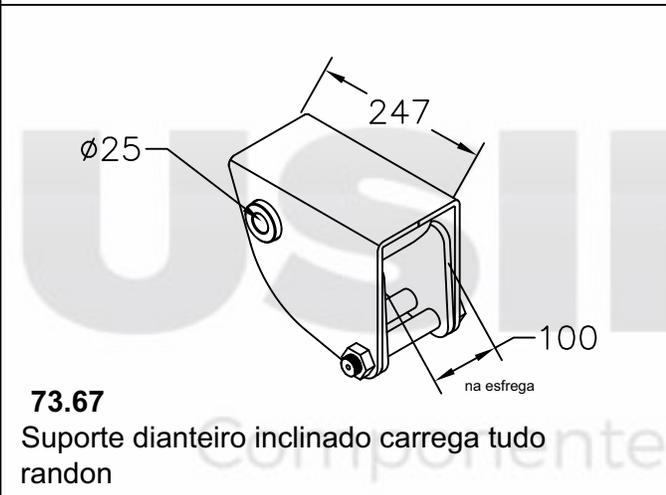
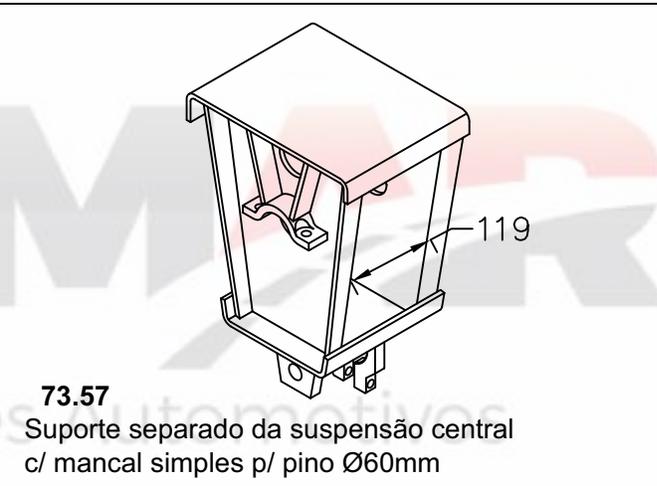
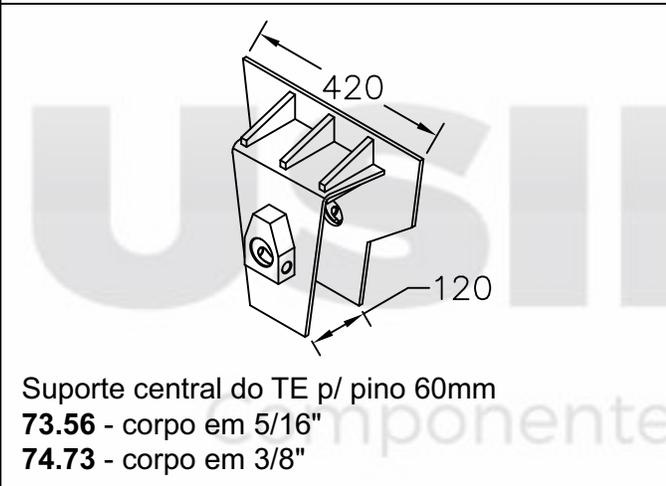
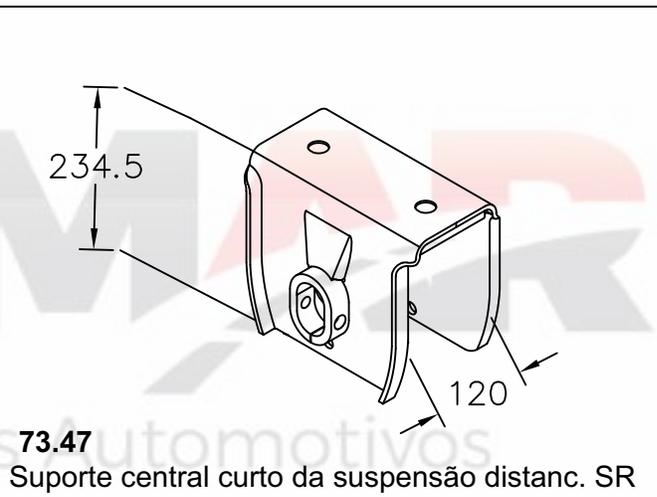
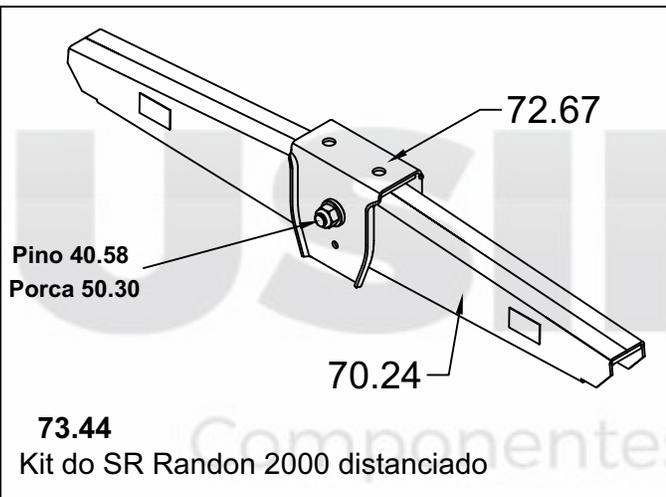


**73.27**  
Suporte superior da bolsa grande da suspensão pneumática SR

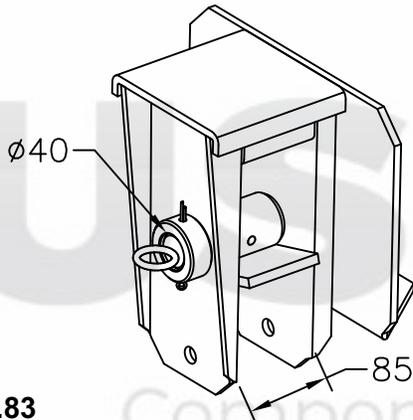


Suporte fixação bolsa do suspensor do eixo da suspensão pneumática SR  
**73.28 - LD**  
**73.29 - LE**

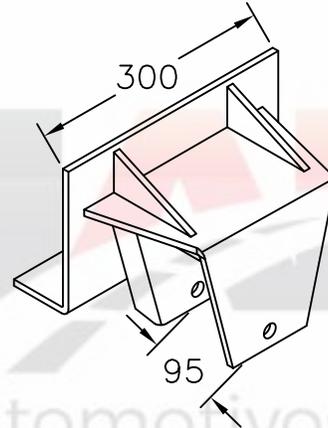
# RANDON



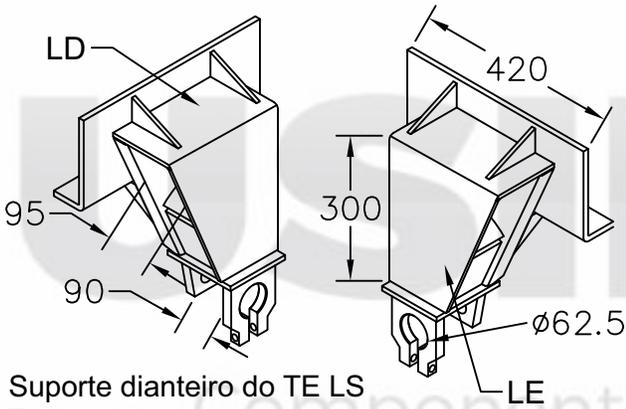
# RANDON



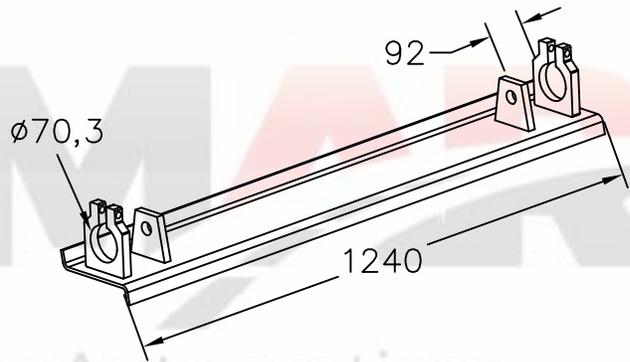
**73.83**  
Suporte traseiro do TE



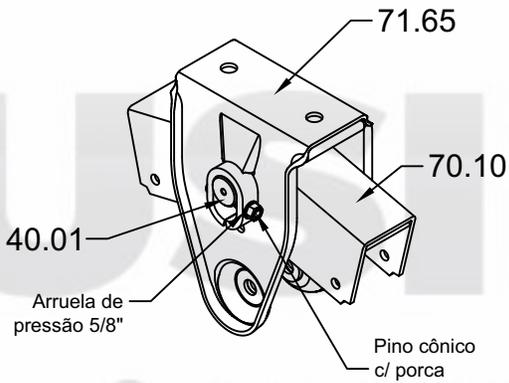
**73.93**  
Suporte traseiro do TE LS



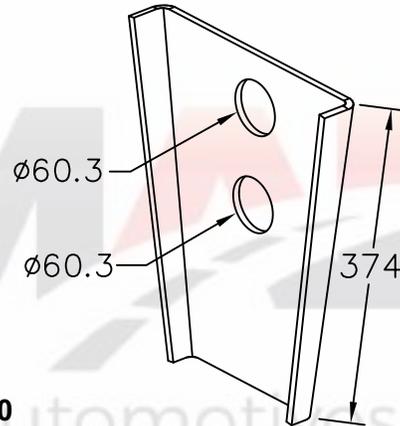
Suporte dianteiro do TE LS  
**73.94 - LD**  
**73.95 - LE**



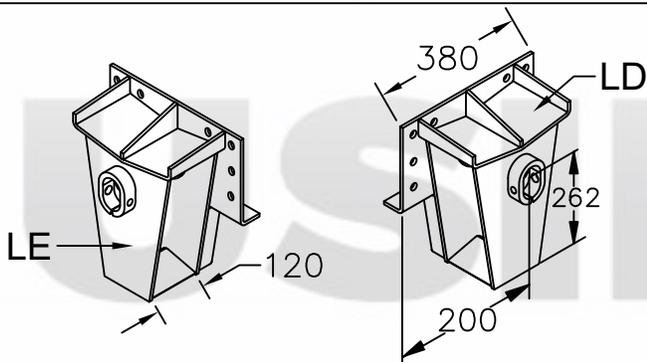
**73.97**  
Travessa de ligação da suspensão do TE



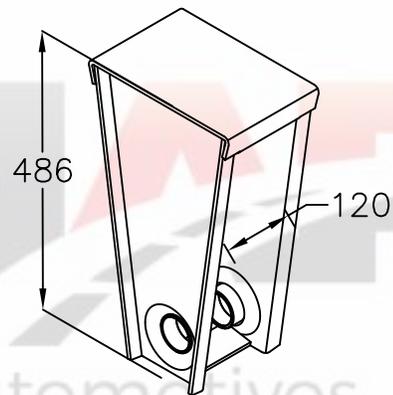
**73.99**  
Kit central do SR pino 50mm



**74.00**  
Lateral do suporte central do SR

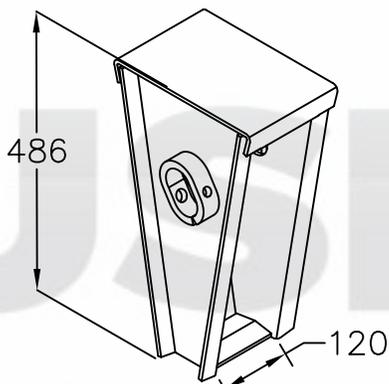


Suporte central para pino ø 50mm TE LS  
**74.15 - LE**  
**74.16 - LD**



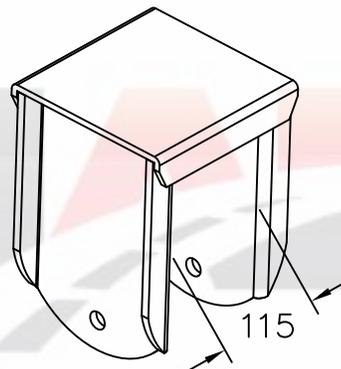
**74.48**  
Suporte do SR suspensão distanciada

# RANDON



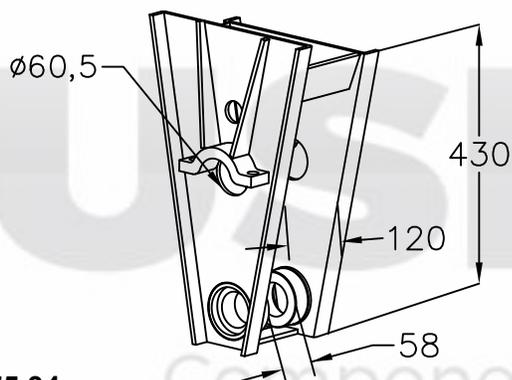
**74.98**

Suporte p/ pino Ø50mm do SR suspensão distanciada



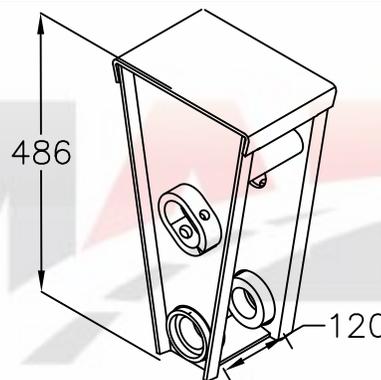
**75.17**

Suporte traseiro do SR suspensão distanciada



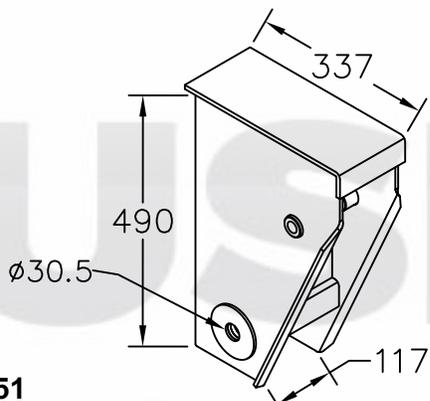
**75.34**

Suporte central do SR modelo Suspensys



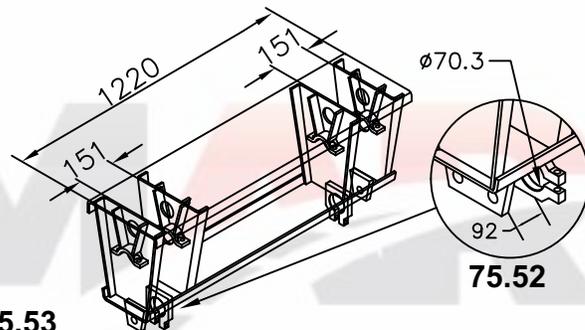
**75.50**

Suporte p/ pino Ø50mm do SR (suspensão distanciada)



**75.51**

Suporte móvel do 1º eixo do SR (suspensão pneumática)



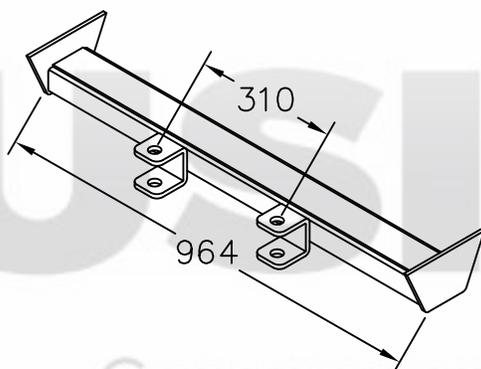
**75.52**

**75.53**

Cadeira do SR com mancais simples

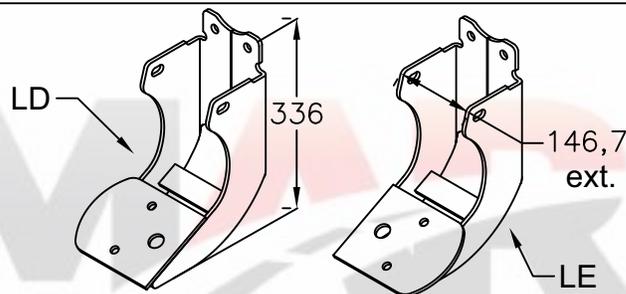
**75.52**

Suporte da suspensão central antigo



**75.54**

Suporte do amortecedor da rala mod. 2016

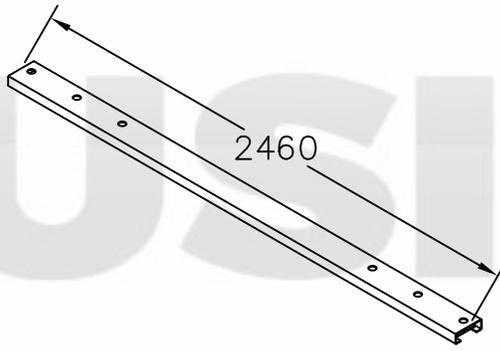


Suporte de apoio da bolsa pequena de levante do eixo susp. pneumática SR

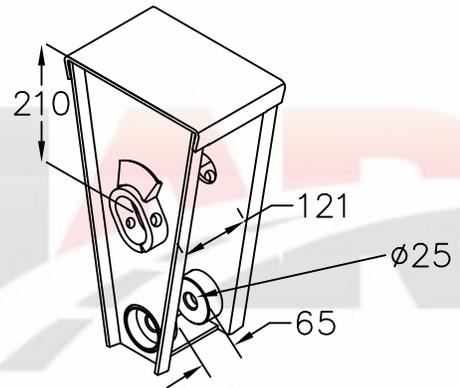
**76.24 - LD**

**76.25 - LE**

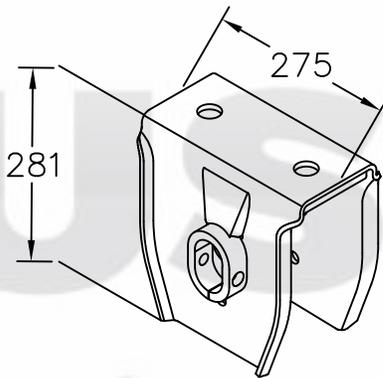
# RANDON



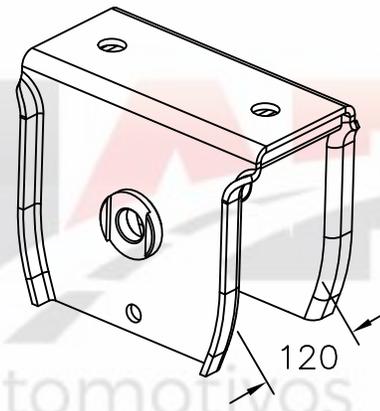
**76.26**  
Suporte sinaleira traseira SR bitren 1° carreta



**76.27**  
Suporte do balancim do SR p/ bucha Randon 2000

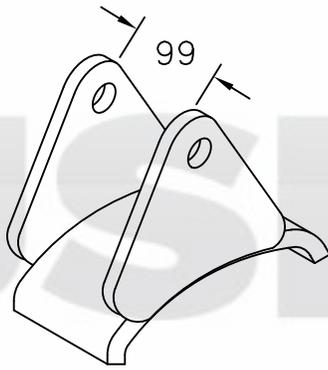


**76.71**  
Suporte central pino Ø50mm da Susp. distanciada do SR



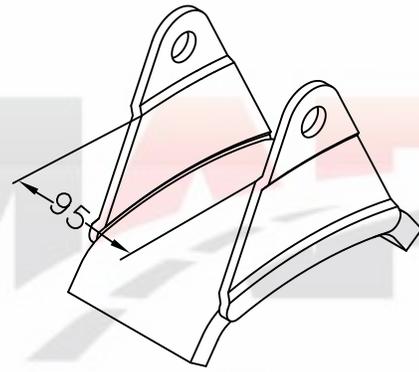
**77.21**  
Suporte central da suspensão distanciada do SR

# RANDON



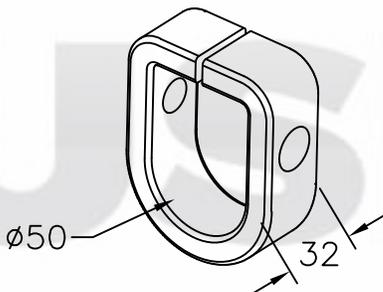
**80.01**

Deslizante da esfrega do suporte traseiro/dianteiro do SR



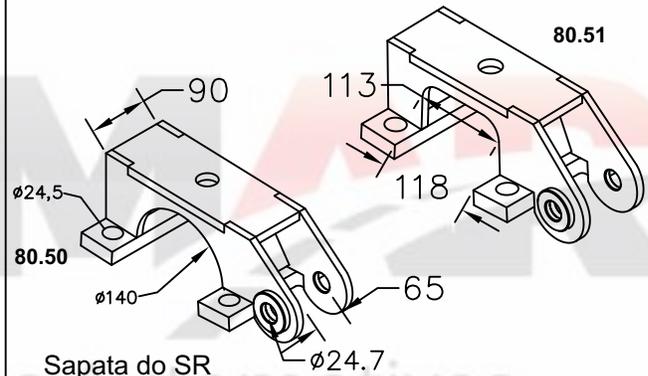
**80.03**

Deslizante do suporte dianteiro/traseiro lateral estampada do SR 2007



**80.34**

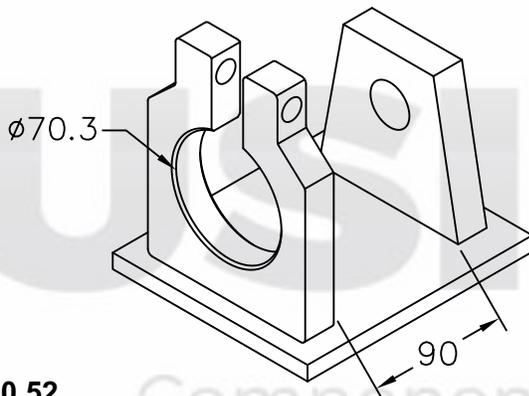
Mancal do pino da balança suporte central do SR ou TE



Sapata do SR

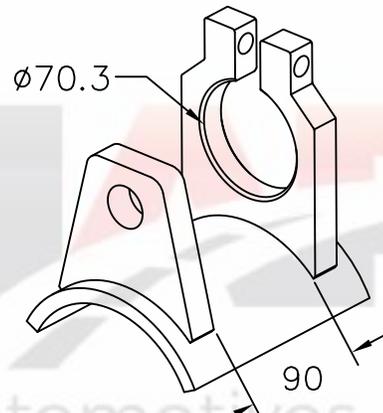
**80.50** - Eixo redondo

**80.51** - Eixo quadrado



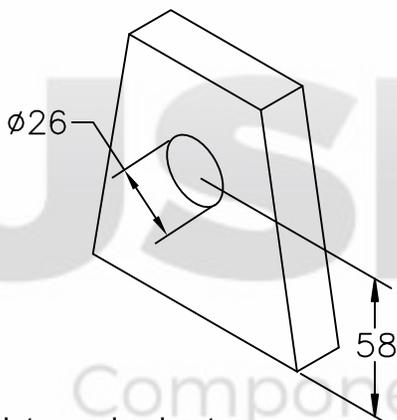
**80.52**

Mancal duplo do pino tensor



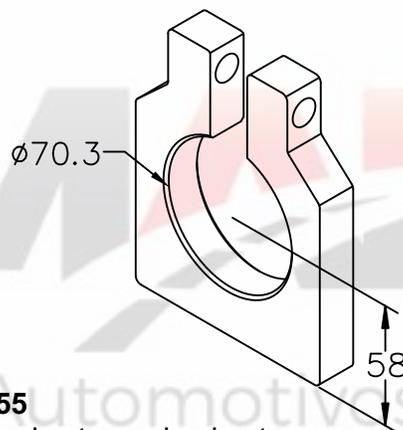
**80.53**

Mancal duplo do pino tensor para eixo redondo



**80.54**

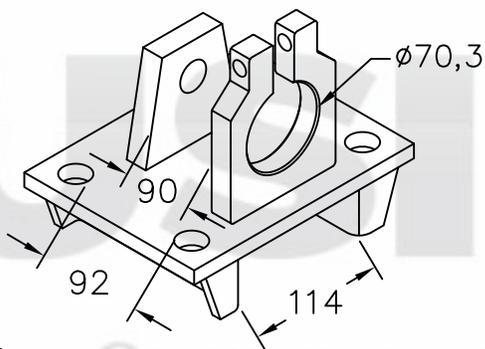
Mancal interno do pino tensor



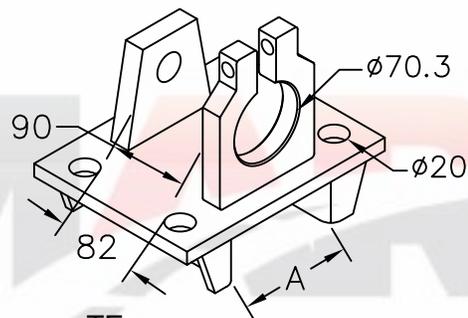
**80.55**

Mancal externo do pino tensor

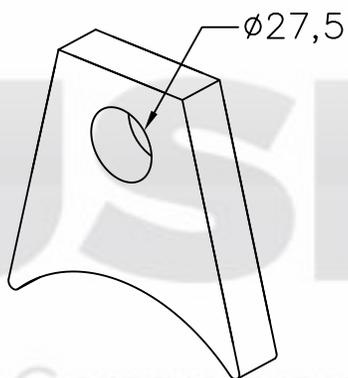
# RANDON



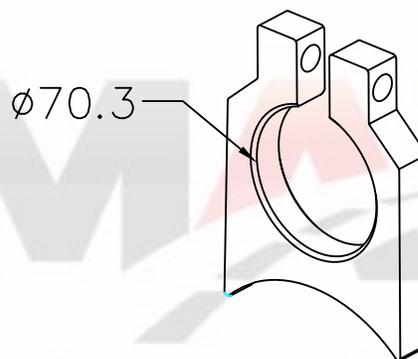
**80.56**  
Sapata para eixo oco



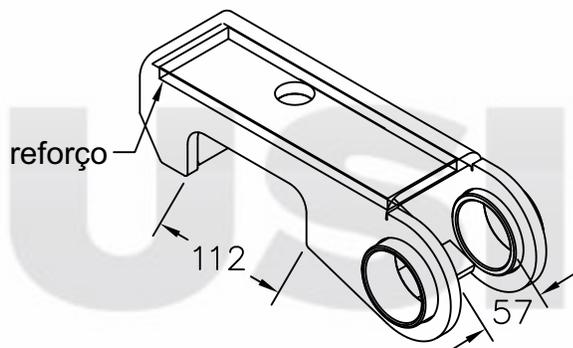
Sapata para TE  
**80.57** - A = 104mm (eixo maciço)  
**80.58** - A = 120mm  
**83.01** - A = 112mm



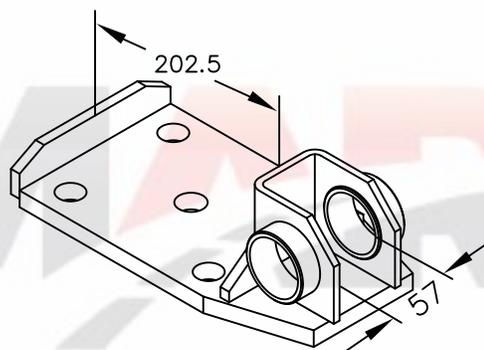
**80.59**  
Mancal interno oval do TE ou SR



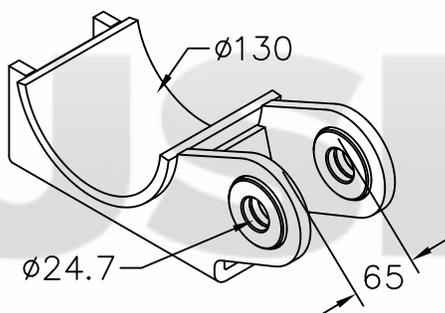
**80.60**  
Mancal externo oval do TE ou SR



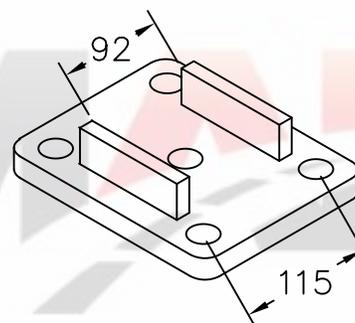
Sapata do SR (linha leve) eixo quadrado  
**80.86** - Sem reforço  
**80.89** - Com reforço



**80.90**  
Sapata inferior para suspensão rebaixada SR Randon 96

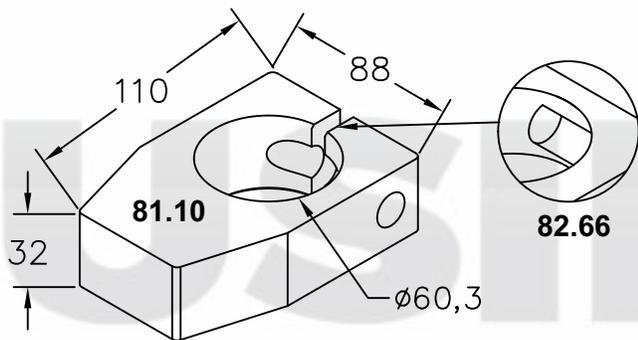


**81.05**  
Sapata superior do SR carrega tudo

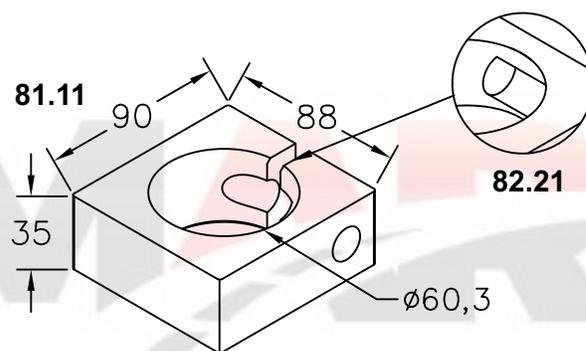


**81.06**  
Sapata inferior do SR carrega tudo

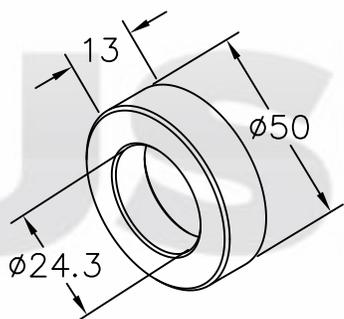
# RANDON



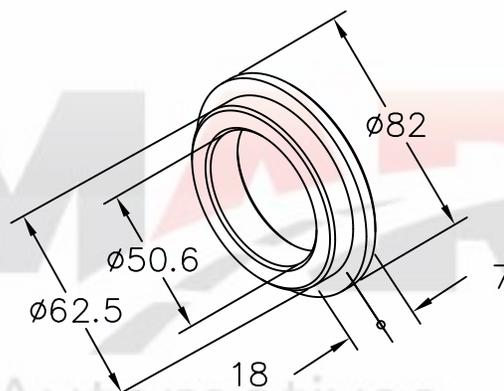
Mancal externo do pino da balança do SR  
**81.10** - Normal  
**82.66** - Mancal fechado



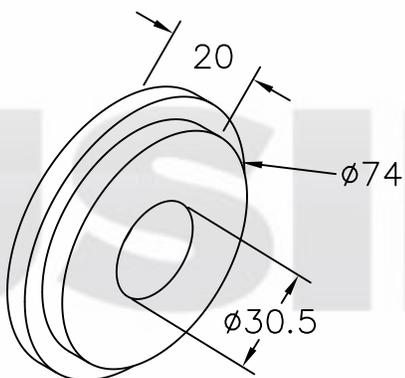
Mancal interno do pino da balança do SR  
**81.11** - Normal  
**82.21** - Mancal fechado



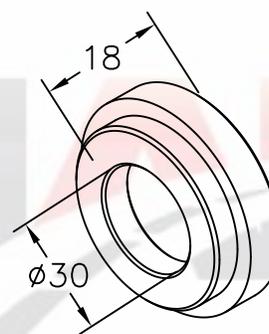
**81.14**  
Mancal do pino tensor p/ restaurar sapatas do SR



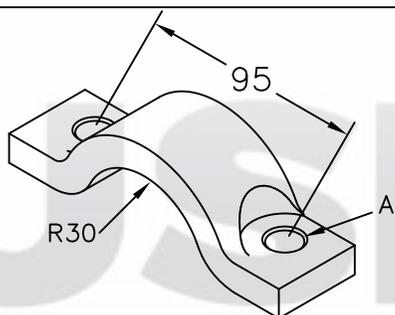
**81.16**  
Mancal do pino do suporte central do TE LS



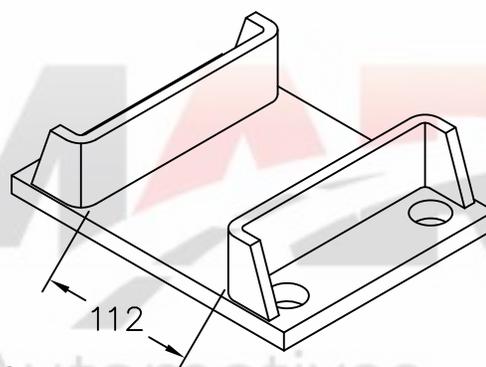
**81.22**  
Mancal do pino no suporte da suspensão pneumática do SR



**81.23**  
Mancal externo do suporte do SR 2008

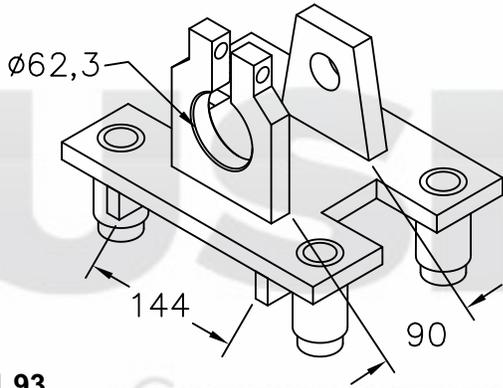


Semi-mancal do pino da balança do SR para pino Ø 60mm  
**81.24** - C/ furo de Ø14mm  
**81.25** - C/ furo de Ø16,5mm

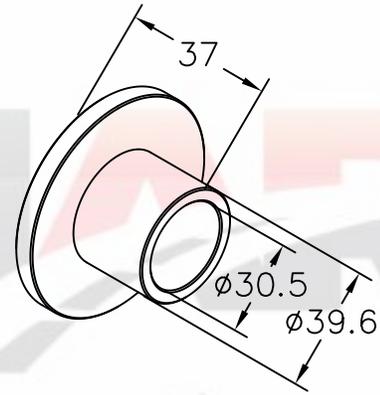


**81.66**  
Sapata 112 mm para eixo maciço do SR

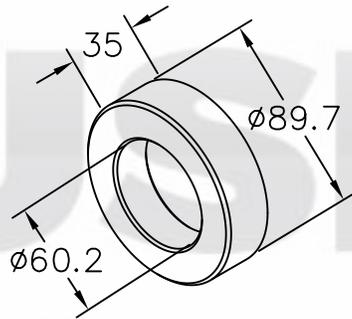
# RANDON



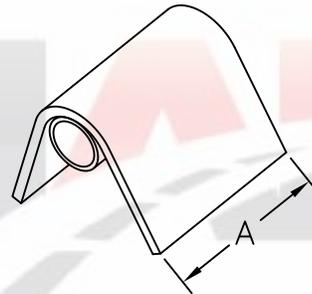
**81.93**  
Sapata do TE LS para Scania



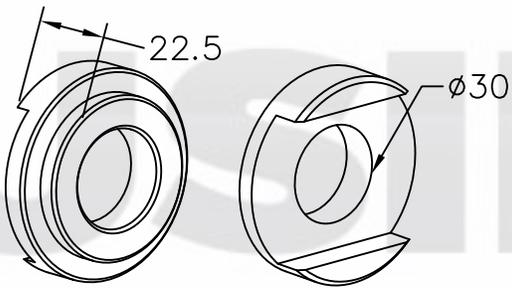
**81.98**  
Bucha de encosto do pino M30 susp. pneumática FS250



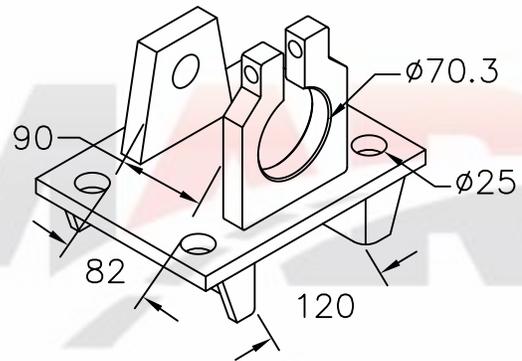
**81.99**  
Mancal do suporte central do SR



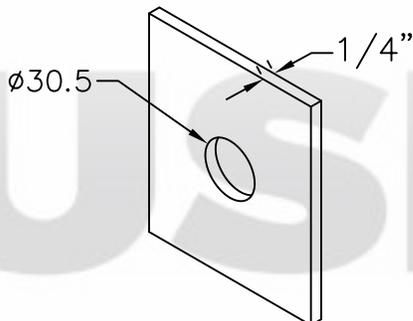
Batente do suporte traseiro  
**82.00** - A = 80mm (TE)  
**82.01** - A = 90mm (SR)



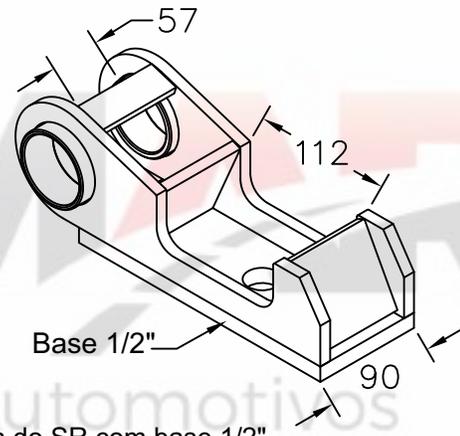
**82.14**  
Mancal interno do Suporte 2008 do SR



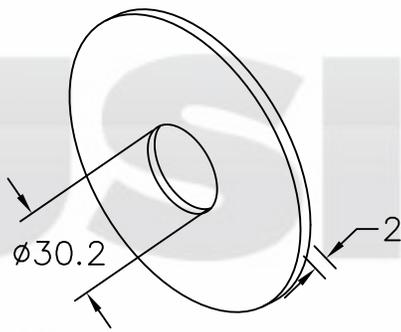
**81.41**  
Sapata para TE p/ grampo 7/8"



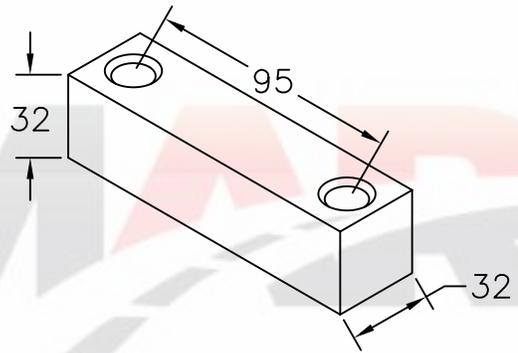
**81.75**  
Mancal interno do pino do suporte da susp. pneumática



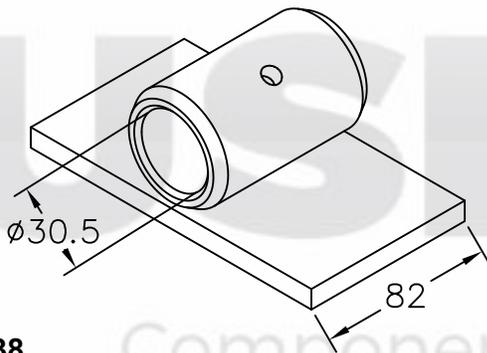
**82.25**  
Sapata do SR com base 1/2"



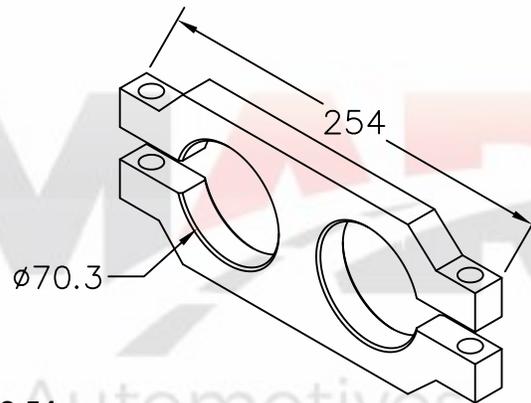
**82.26**  
Arruela da suspensão pneumática lisa



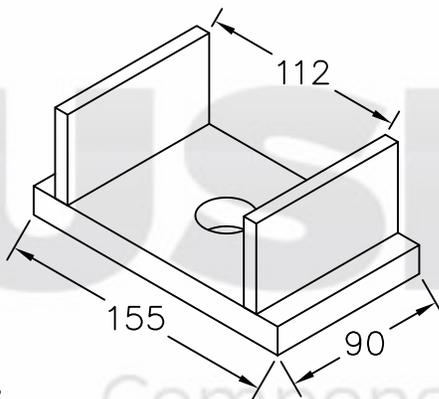
**82.36**  
Chaveta inferior maciça do pino da balança do SR para pino Ø60mm



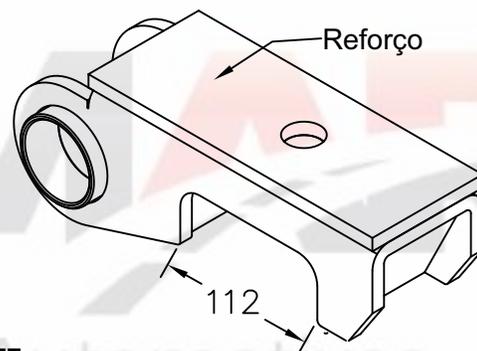
**82.38**  
Deslizante em chapa



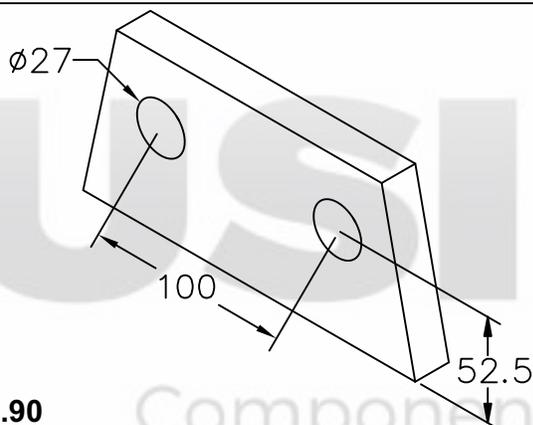
**82.54**  
Mancal duplo externo do pino tensor do SR



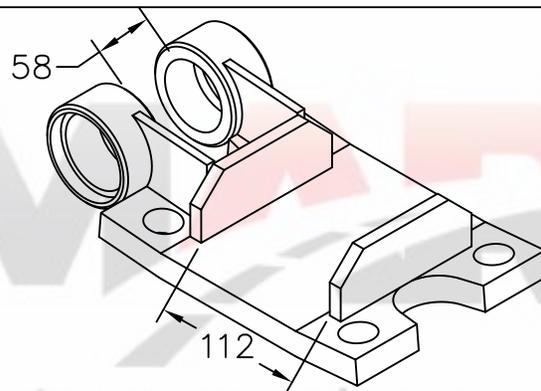
**82.75**  
Calço de apoio de mola TE LS



**82.77**  
Sapata do SR linha leve com reforço



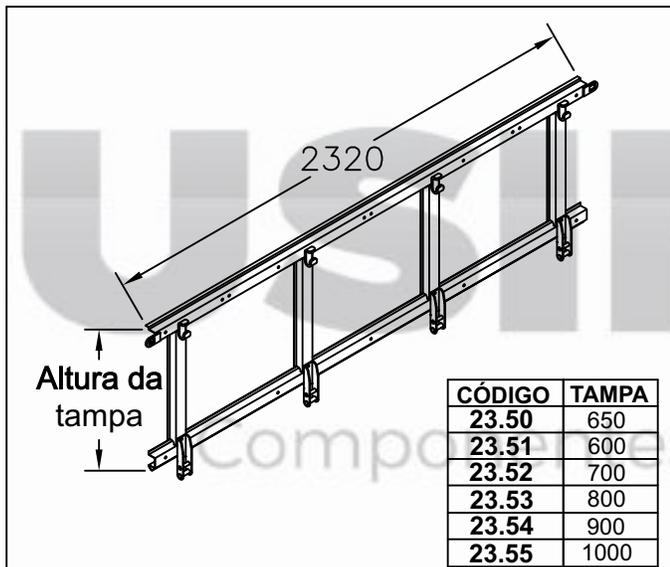
**82.90**  
Mancal interno duplo para pino tensor do SR



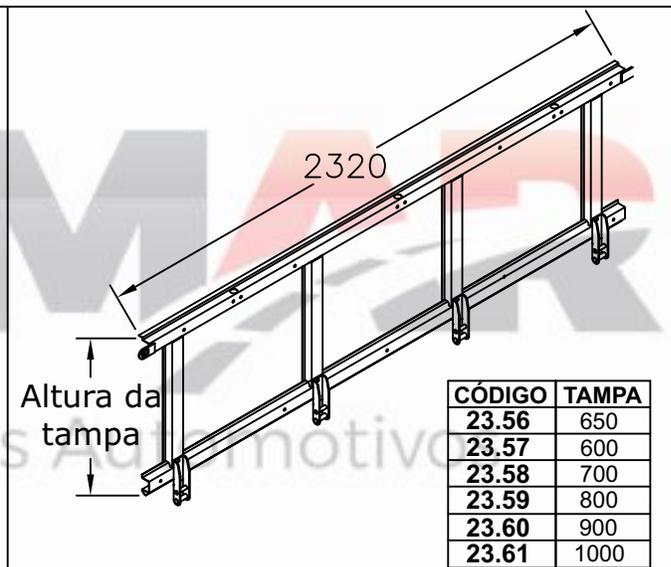
**83.24**  
Sapata para eixo do SR



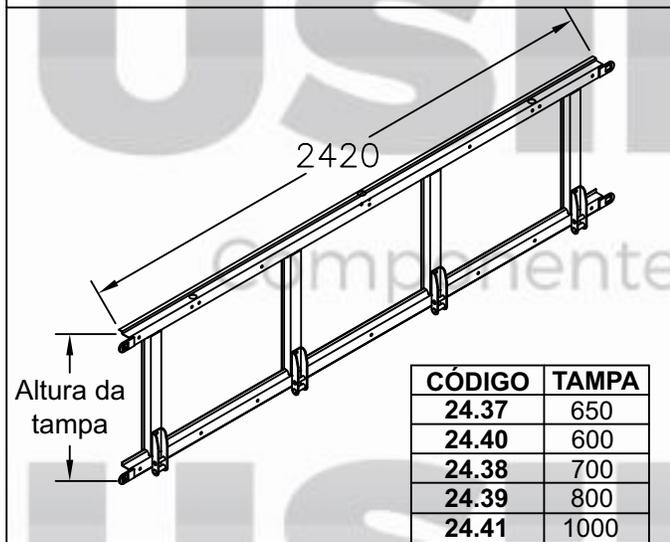
# RANDON



Estrutura da Tampa Inferior do Bitrem 2002 7,50m



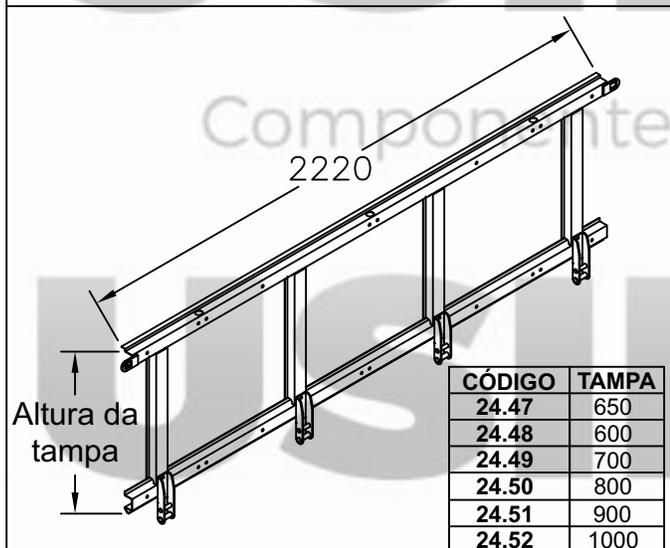
Estrutura da Tampa Superior do Bitrem 2002 7,50m RANDON



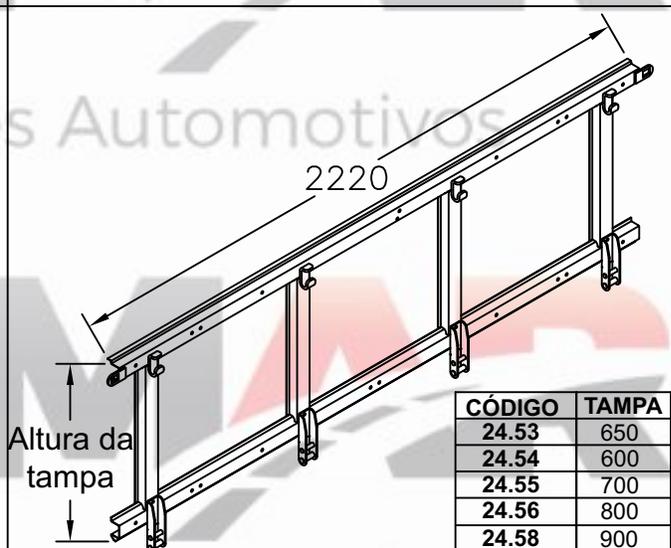
Estrutura da tampa traseira superior do Granelheiro SR 2002 RANDON



Estrutura da tampa traseira inferior do Granelheiro SR 2002 RANDON



Estrutura da Tampa Superior granelheiro Bitrem 7,10m 2002 RANDON



Estrutura da Tampa Inferior granelheiro Bitrem 7,10m 2002 RANDON

# RANDON

2960

Altura da tampa

CÓDIGO	TAMPA
24.63	650
24.60	600
24.64	700
24.65	800
24.66	900
24.67	1000

Estrutura da Tampa Superior graneleiro SR 2002 RANDON

2960

Altura da tampa

CÓDIGO	TAMPA
24.32	650
24.33	600
24.34	700
24.35	800
24.36	900
24.93	1000

Estrutura da Tampa Inferior graneleiro SR 2002 RANDON

A

CÓDIGO	A
23.81	550
23.82	650
23.83	700
23.84	800
23.85	900
23.86	1000

Peito superior de canto quadrado do SR graneleira

A

CÓDIGO	A
23.87	550
23.88	650
23.89	700
23.90	800
23.91	900
23.92	1000

Peito inferior de canto quadrado do SR graneleira

2220

50

36

**21.20**  
Vigueta superior da tampa superior graneleira bitrem 2002

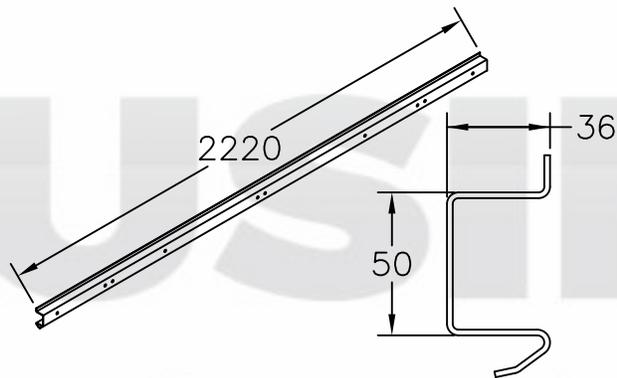
2320

50

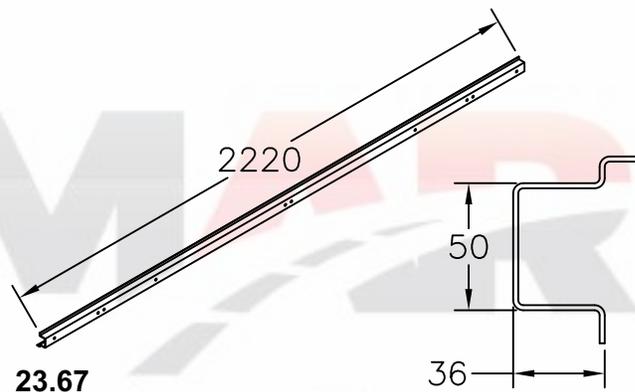
36

**21.21**  
Vigueta superior da tampa superior do bitrem 2002 7,50m

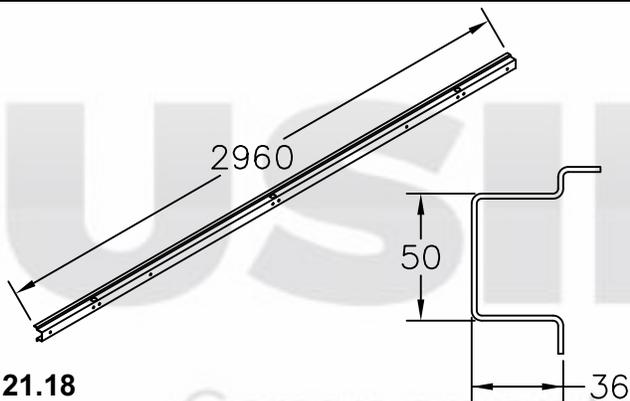
# RANDON



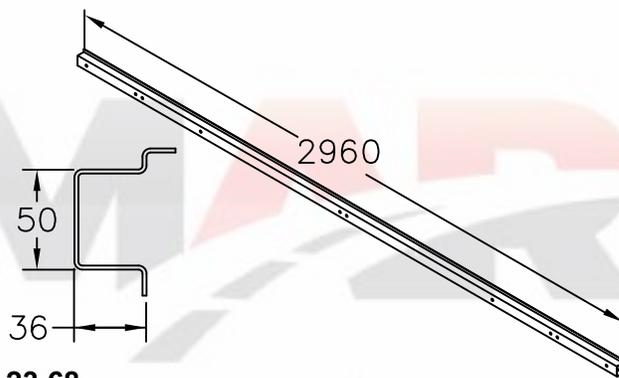
**21.28**  
Vigueta inferior tampa graneleira bitrem 2002



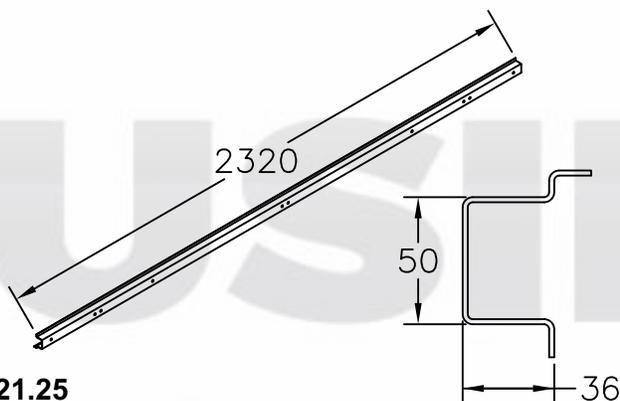
**23.67**  
Vigueta superior da tampa inferior graneleira bitrem 2002



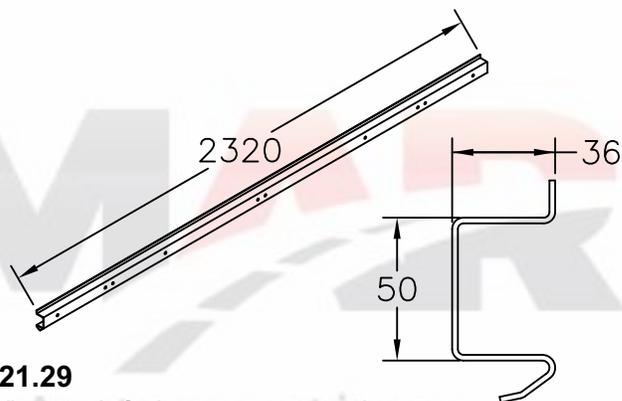
**21.18**  
Vigueta superior da tampa superior graneleira SR 2002



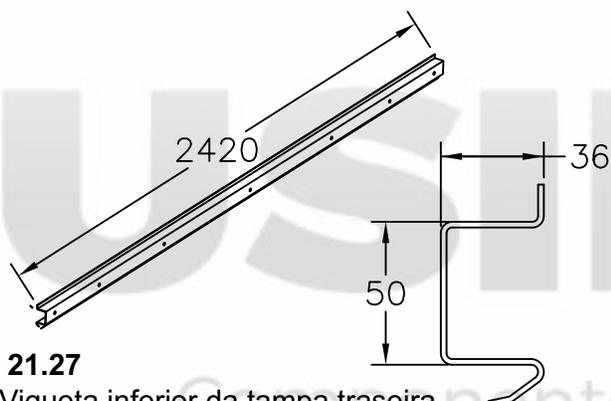
**23.68**  
Vigueta superior da tampa inferior graneleira SR 2002



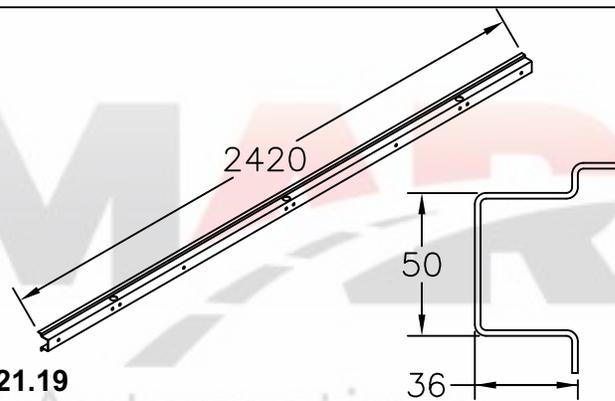
**21.25**  
Vigueta superior da tampa inferior bitrem 2002



**21.29**  
Vigueta inferior tampa superior bitrem 2002

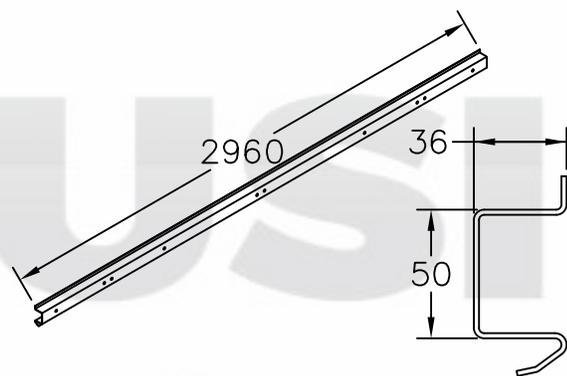


**21.27**  
Vigueta inferior da tampa traseira inferior graneleira SR 2002

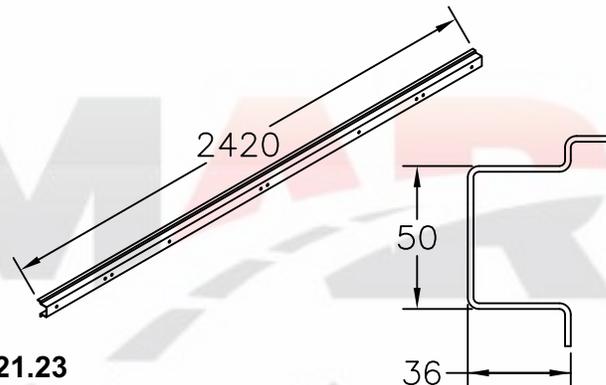


**21.19**  
Vigueta superior da tampa traseira superior graneleira SR 2002

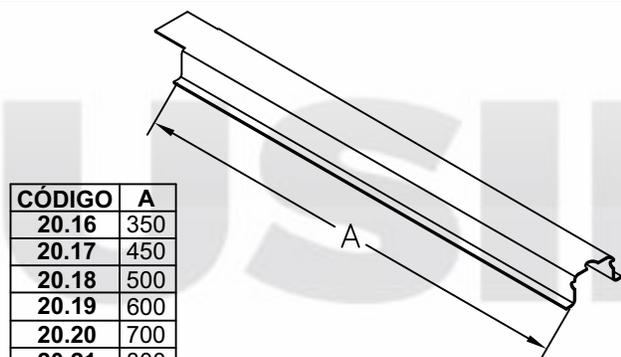
# RANDON



**21.26**  
Vigueta inferior da tampa graneleira SR 2002

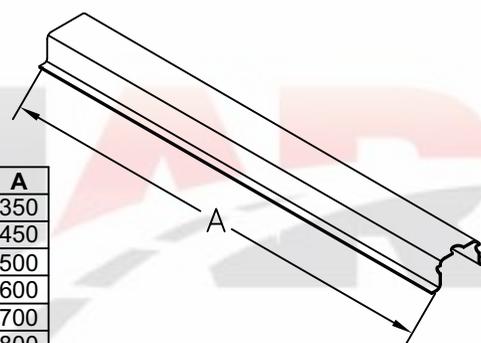


**21.23**  
Vigueta superior da tampa traseira inferior graneleira SR 2002



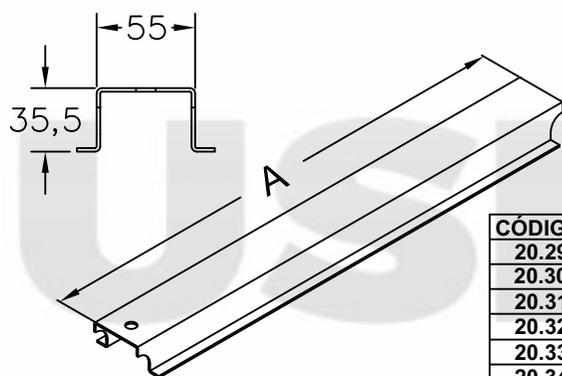
CÓDIGO	A
20.16	350
20.17	450
20.18	500
20.19	600
20.20	700
20.21	800
20.22	900

Coluna superior para tampa do SR



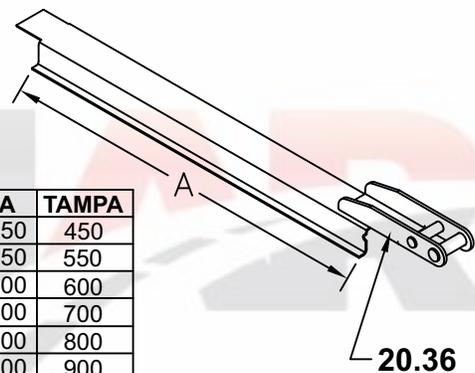
CÓDIGO	A
20.23	350
20.24	450
20.25	500
20.26	600
20.27	700
20.28	800
21.01	900

Coluna inferior para tampa do SR



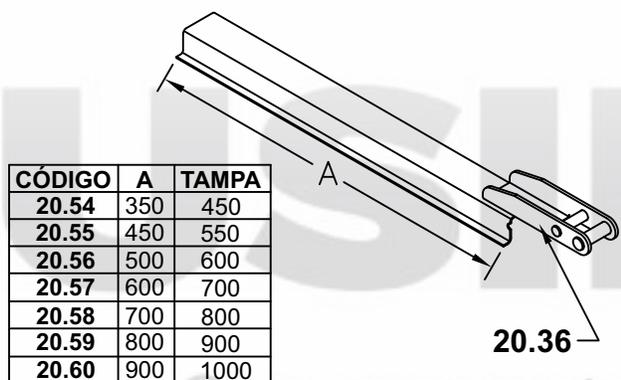
CÓDIGO	A
20.29	430
20.30	530
20.31	580
20.32	680
20.33	780
20.34	880

Fueiro da dobradiça inferior / superior tampa do SR novo 2002



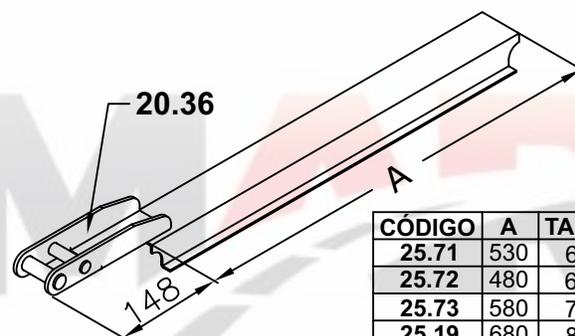
CÓDIGO	A	TAMPA
20.40	350	450
20.41	450	550
20.42	500	600
20.43	600	700
20.44	700	800
20.45	800	900
20.46	900	1000

Dobradiça superior para tampa do SR



CÓDIGO	A	TAMPA
20.54	350	450
20.55	450	550
20.56	500	600
20.57	600	700
20.58	700	800
20.59	800	900
20.60	900	1000

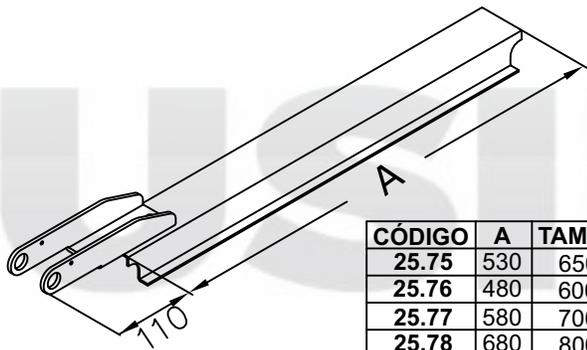
Dobradiça inferior para tampa do SR



CÓDIGO	A	TAMPA
25.71	530	650
25.72	480	600
25.73	580	700
25.19	680	800
25.74	780	900
25.20	880	1000

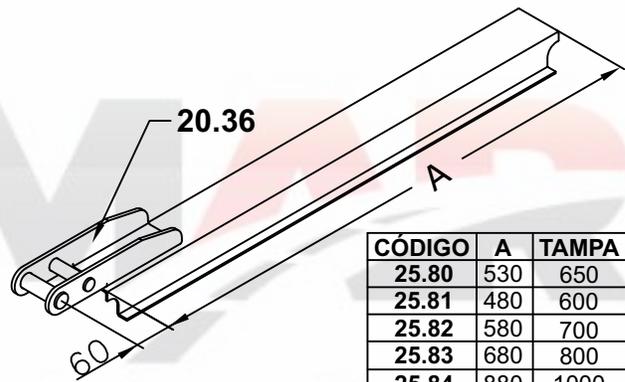
Dobradiça inferior/superior do SR novo 2002

# RANDON



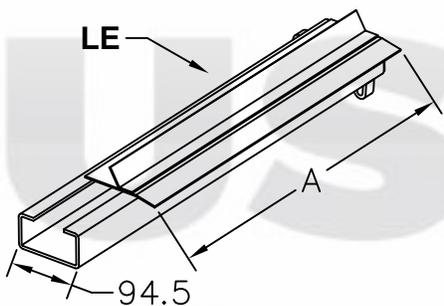
CÓDIGO	A	TAMPA
25.75	530	650
25.76	480	600
25.77	580	700
25.78	680	800
25.79	880	1000

Dobradiça inferior traseira do SR modelo 2002



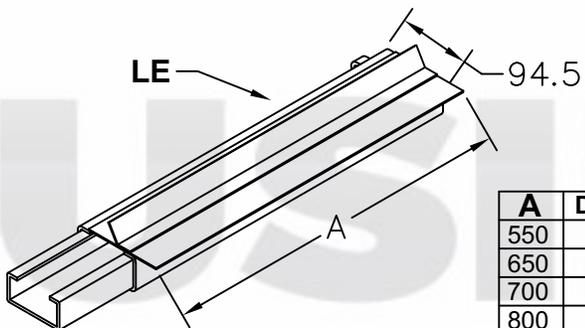
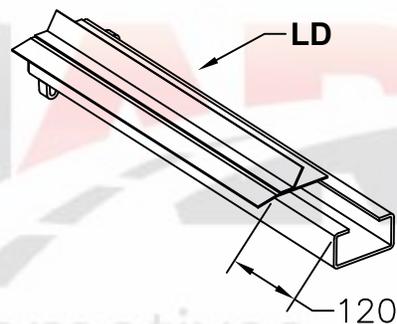
CÓDIGO	A	TAMPA
25.80	530	650
25.81	480	600
25.82	580	700
25.83	680	800
25.84	880	1000

Dobradiça superior traseira do SR modelo 2002



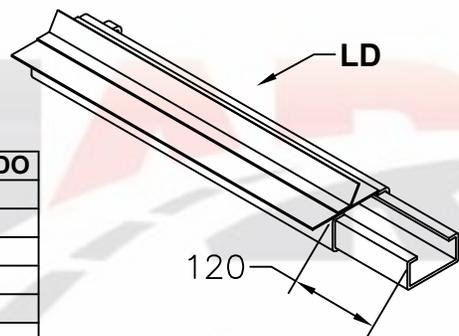
A	DIREITO	ESQUERDO
550	24.17	24.23
650	24.18	24.24
700	24.19	24.25
800	24.20	24.26
900	24.21	24.27
1000	24.22	24.28

Fueiro de canto do SR inferior da graneleira

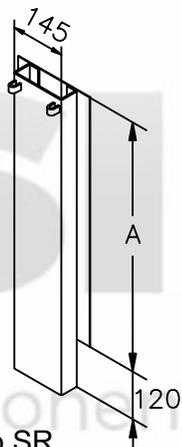


A	DIREITO	ESQUERDO
550	24.05	24.11
650	24.06	24.12
700	24.07	24.13
800	24.08	24.14
900	24.09	24.15
1000	24.10	24.16

Fueiro de canto do SR superior da graneleira

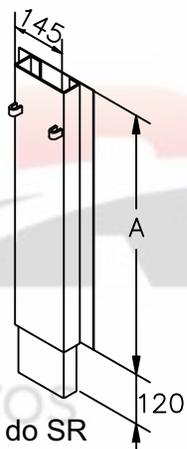


CÓDIGO	A
23.62	650
23.63	600
23.64	700
24.98	800
23.65	900
23.66	1000



Fueiro Central Largo Inferior do SR

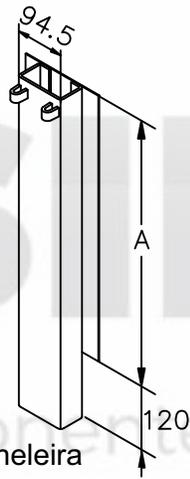
CÓDIGO	A
25.66	650
25.67	600
25.68	700
25.69	800
25.70	900
24.99	1000



Fueiro Central Largo Superior do SR

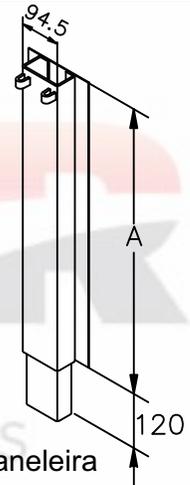
# RANDON

CÓDIGO	A
23.99	550
24.00	650
24.01	700
24.02	800
24.03	900
24.04	1000

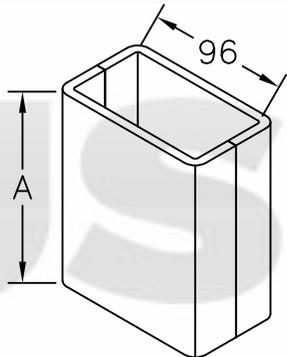


Fueiro central inferior do SR graneleira

CÓDIGO	A
23.93	550
23.94	650
23.95	700
23.96	800
23.97	900
23.98	1000

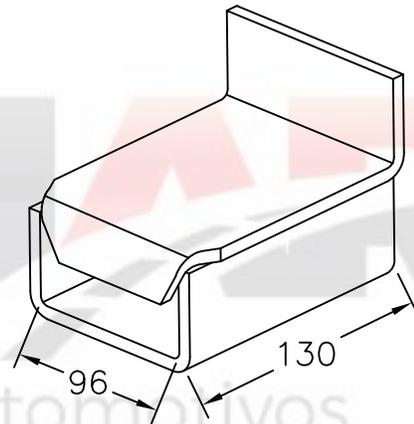


Fueiro central superior do SR graneleira

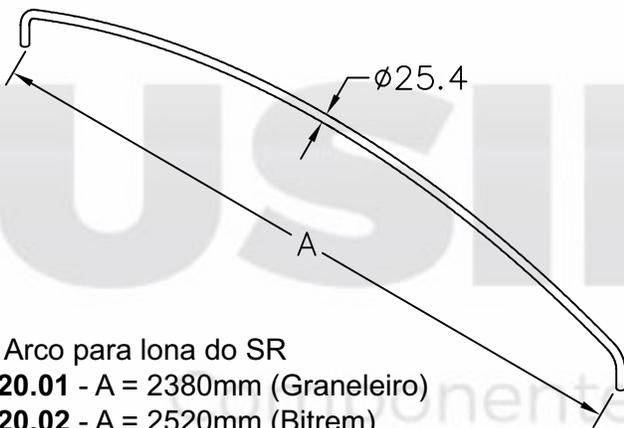


Caixa do fueiro modelo 87

23.40 - A = 130mm  
23.44 - A = 145mm

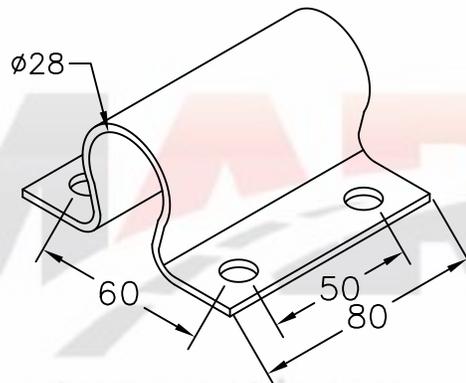


25.89  
Caixa do fueiro do SR



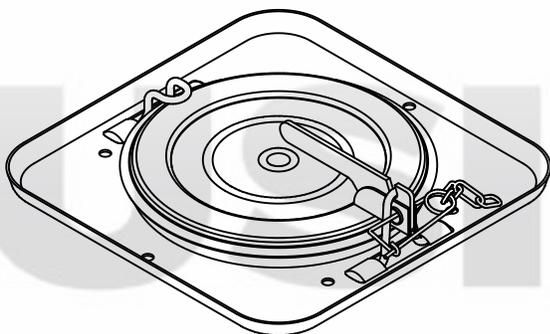
Arco para lona do SR

20.01 - A = 2380mm (Graneleiro)  
20.02 - A = 2520mm (Bitrem)



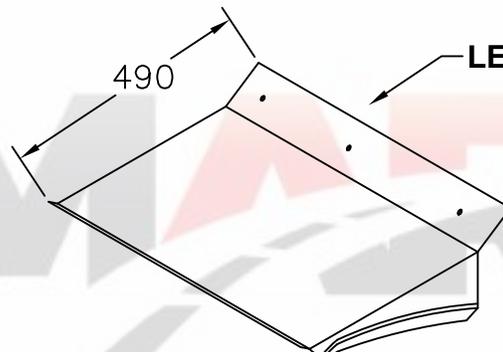
20.06

Abraçadeira para arco da lona do SR graneleiro



Boca para escoamento da graneleira

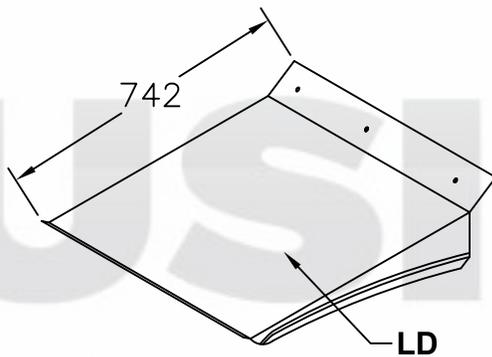
20.07 - Em chapa  
20.09 - Em nylon



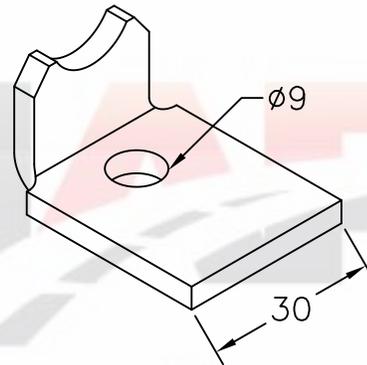
Pára-lama dianteiro

20.12 - LD  
20.13 - LE

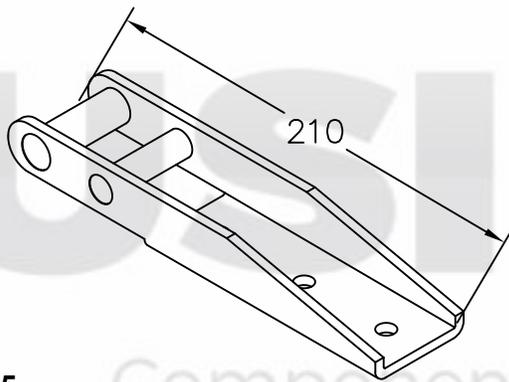
# RANDON



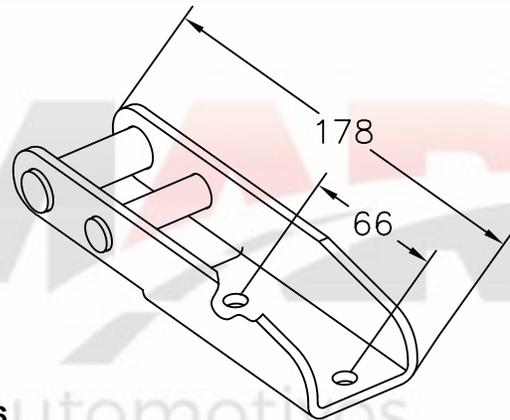
Pára-lama traseiro  
**20.10 - LD**  
**20.11 - LE**



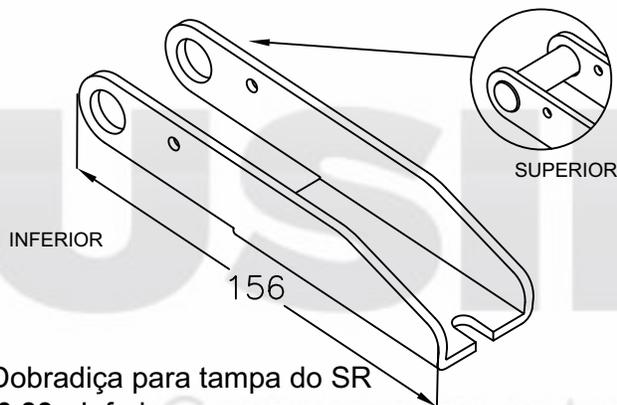
**20.15**  
 Presilha de fixação do assoalho do SR



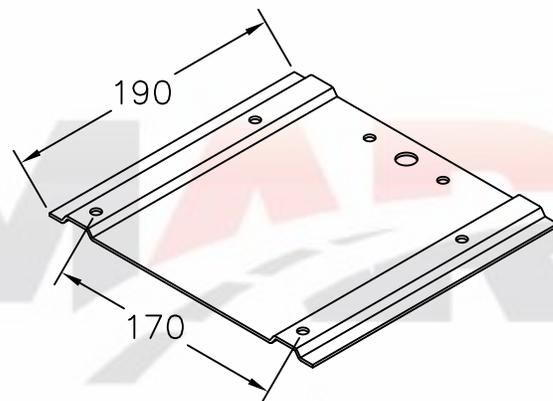
**20.35**  
 Dobradiça da tampa do SR



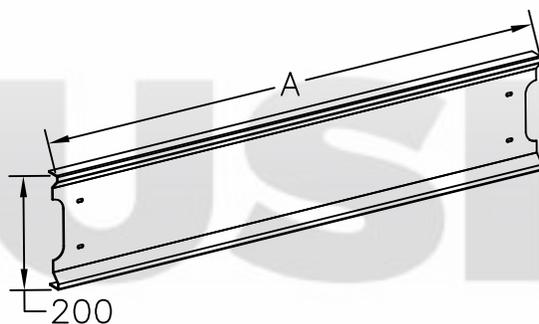
**20.36**  
 Engate da tampa da carroceria



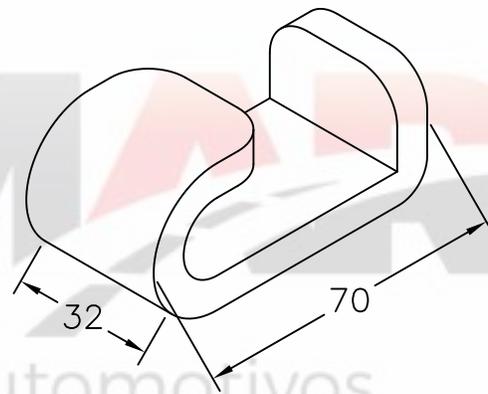
Dobradiça para tampa do SR  
**20.39 - Inferior**  
**20.38 - Superior**



**20.71**  
 Suporte para placa do SR

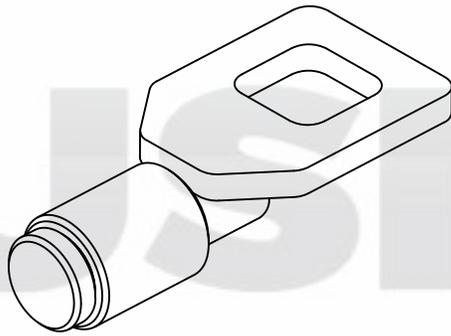


Saia central do SR  
**20.72 - A = 900mm (Modelo 91)**  
**20.73 - A = 800mm (Modelo 93)**

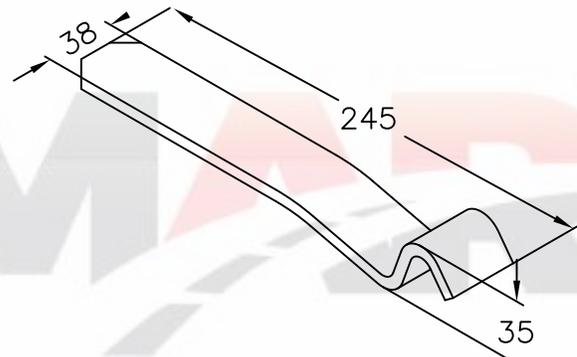


**20.77**  
 Suporte da dobradiça "G" da tampa do SR

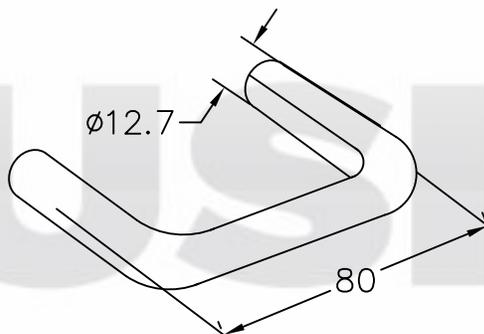
# RANDON



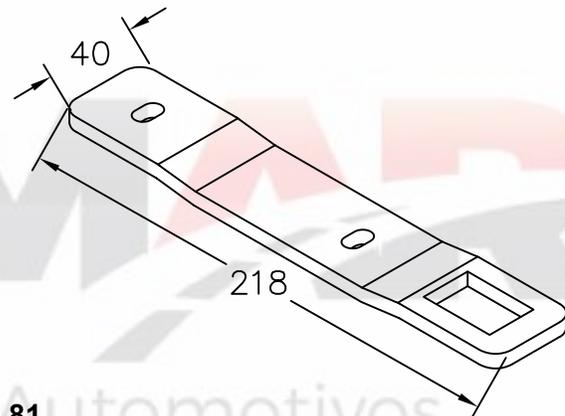
**20.78**  
Conjunto do pino tombador da tampa do SR



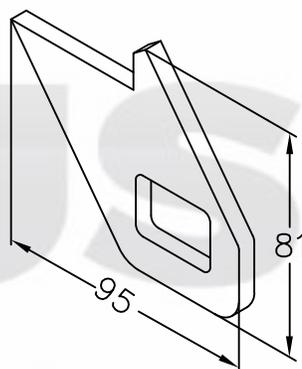
**20.79**  
Gancho do tombador da tampa traseira para SR



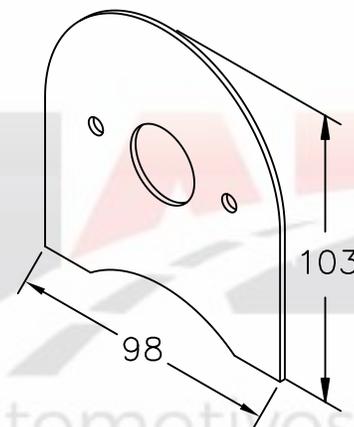
**20.80**  
Gancho do tombador da tampa do graneleiro SR 2002



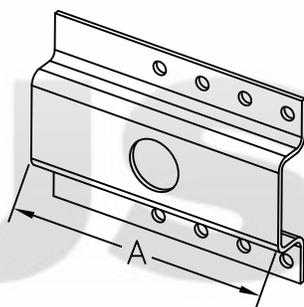
**20.81**  
Suporte de fixação fêmea da tampa do SR



**20.84**  
Suporte fêmea grade superior modelo novo do SR



**20.86**  
Suporte da lanterna do SR

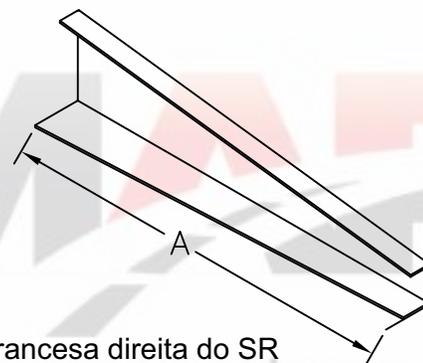


Fixador do aparelho do conjunto de levantamento

**20.91** - A = 330mm

**20.92** - A = 265mm

**20.93** - A = 500mm

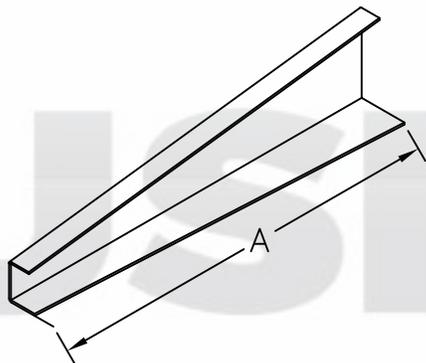


Mão francesa direita do SR

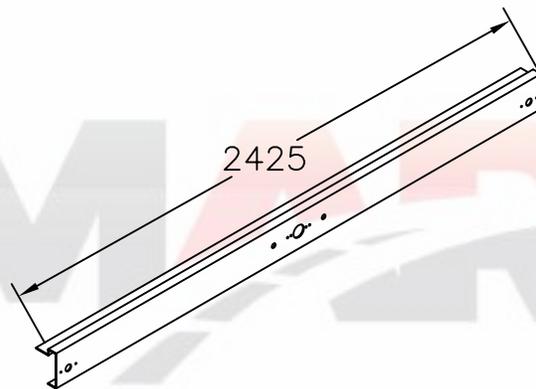
**20.95** - A = 780mm

**20.96** - A = 810mm

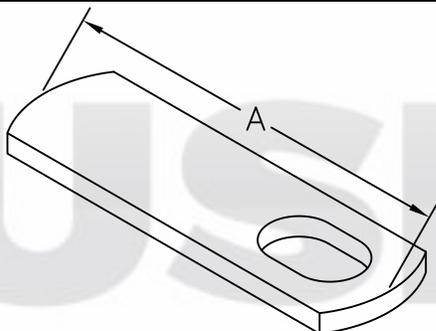
# RANDON



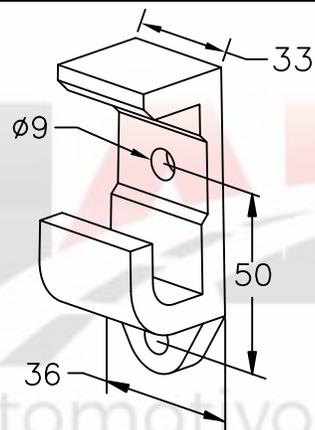
Mão francesa esquerda do SR  
**20.97** - A = 780mm  
**20.98** - A = 810mm



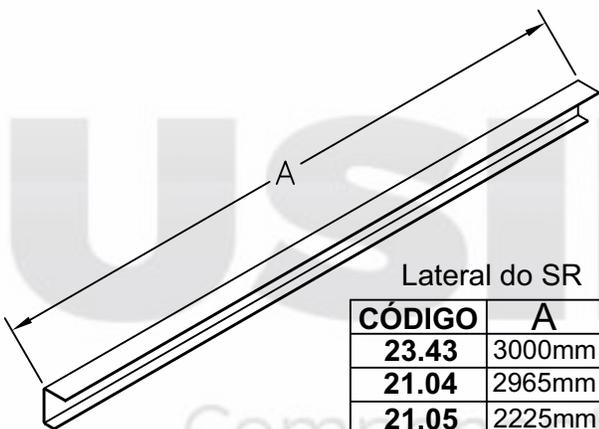
**21.02**  
 Perfil dianteiro do SR Mod. 2008



Suporte de fixação fêmea da tampa do SR  
**23.30** - A = 123mm  
**23.31** - A = 210mm  
**23.32** - A = 300mm

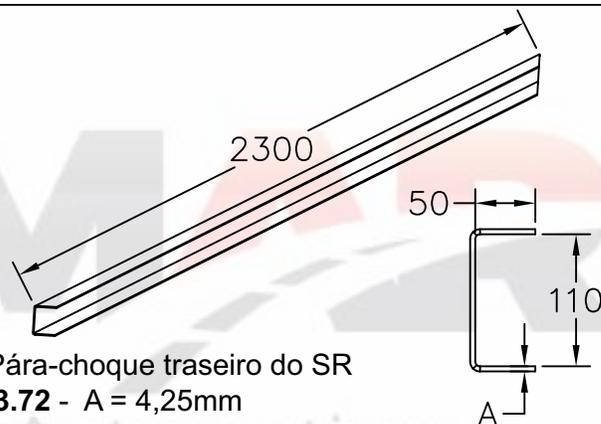


**23.38**  
 "G" fundido do SR Linha R modelo 2011

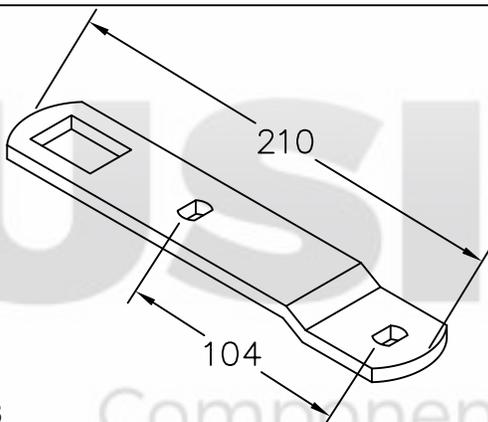


Lateral do SR

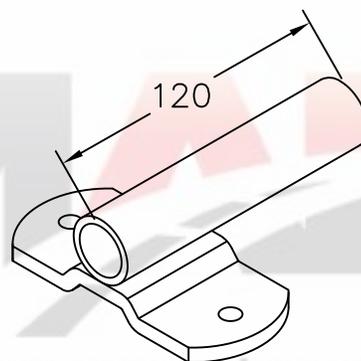
CÓDIGO	A
<b>23.43</b>	3000mm
<b>21.04</b>	2965mm
<b>21.05</b>	2225mm
<b>21.06</b>	2425mm



Pára-choque traseiro do SR  
**23.72** - A = 4,25mm  
**25.55** - A = 1/4"  
**25.07** - A = 4,25mm (Especial c/ 2000mm)

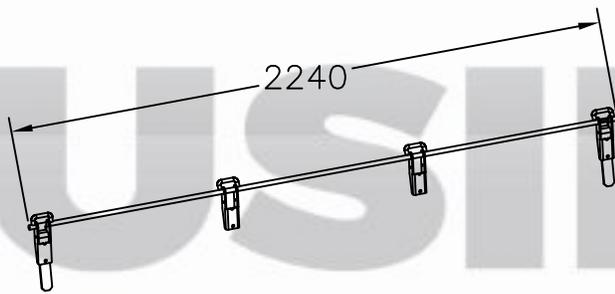


**24.78**  
 Suporte de fixação fêmea da tampa do SR

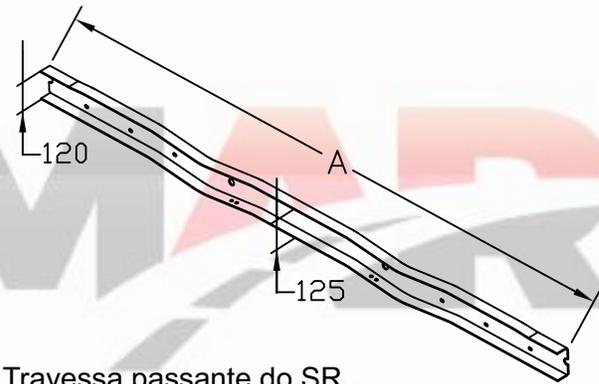


**24.94**  
 Suporte de fixação da fominha

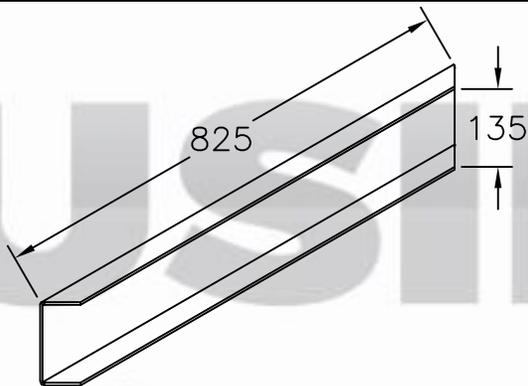
# RANDON



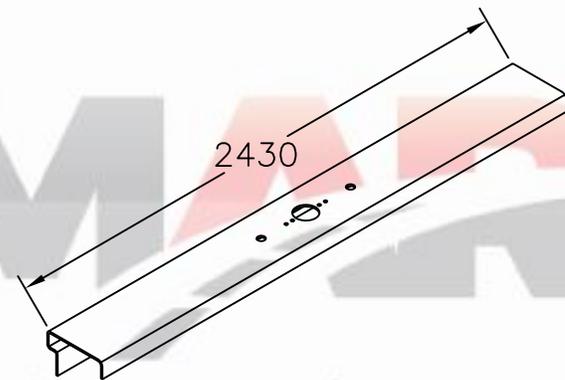
**25.04**  
Conjunto tombador inferior do SR



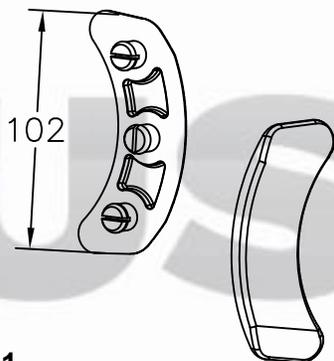
Travessa passante do SR  
**25.05** - A = 2530mm  
**25.06** - A = 2595mm



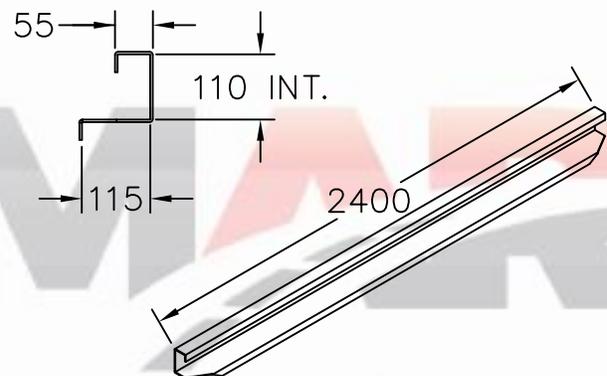
**25.18**  
Suporte do pára-choque do SR



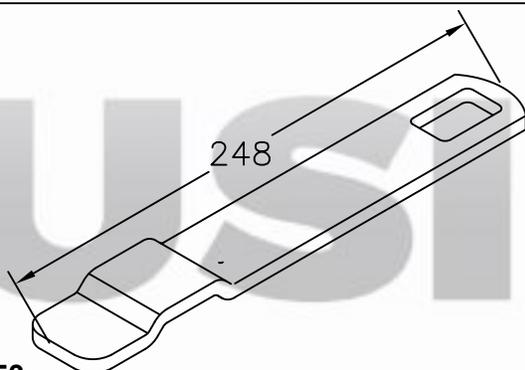
**25.24**  
Perfil dianteiro do SR



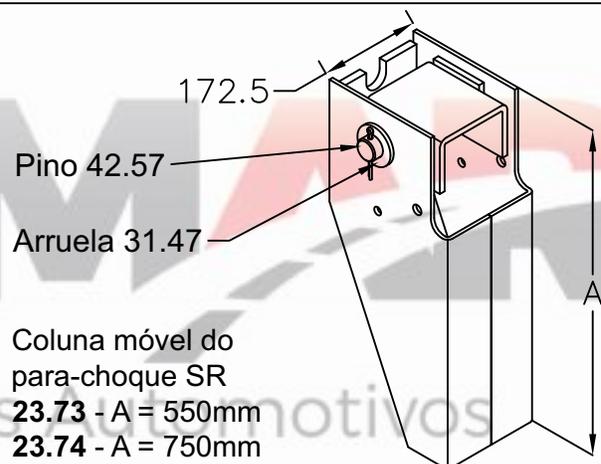
**25.51**  
Esfrega lateral de plástico balança do SR 2008



**25.54**  
Pára-choque modelo 96 do SR

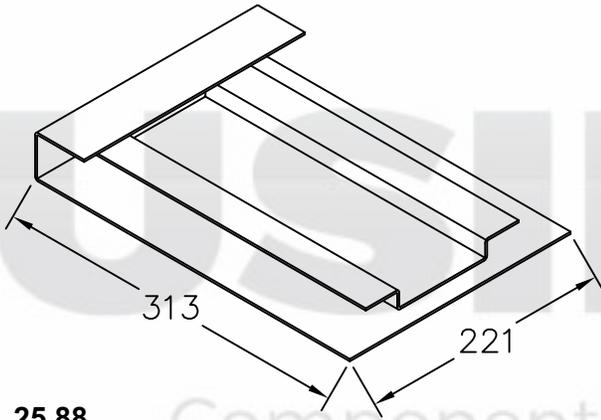


**25.53**  
Suporte fixação fêmea da tampa da carroceria do SR e TE moderna

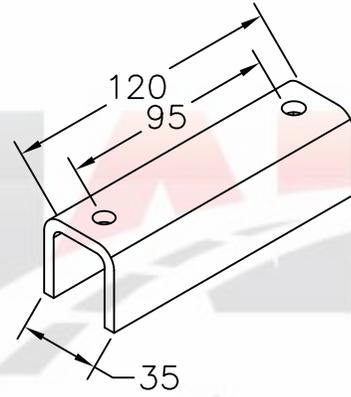


Coluna móvel do para-choque SR  
**23.73** - A = 550mm  
**23.74** - A = 750mm

# RANDON



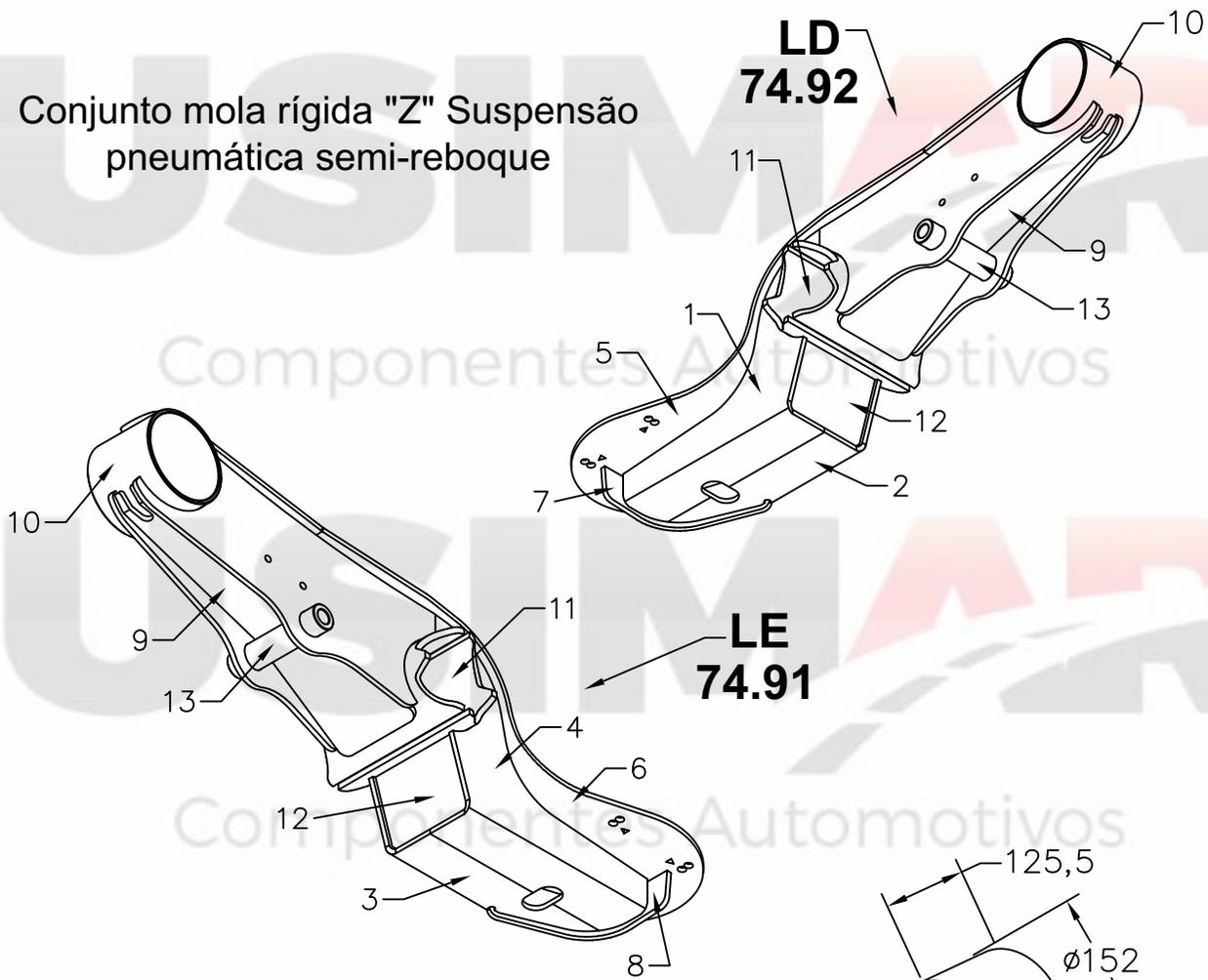
**25.88**  
Encaixe da fominha



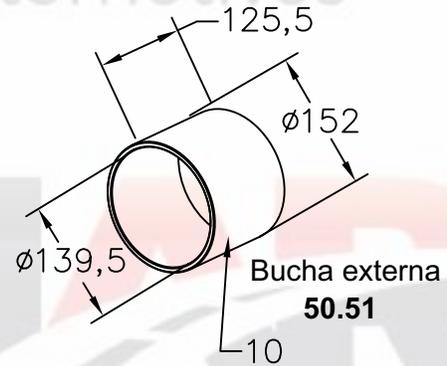
**26.11**  
Chaveta U inferior do pino da balança do SR para pino Ø60mm



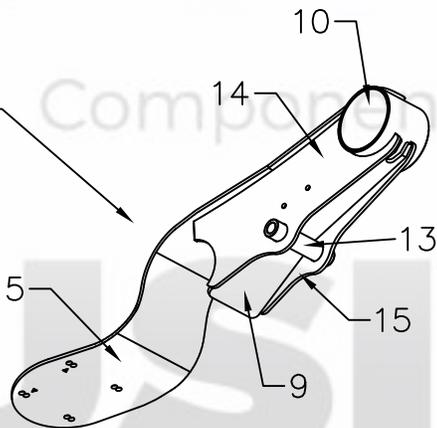
Conjunto mola rígida "Z" Suspensão pneumática semi-reboque



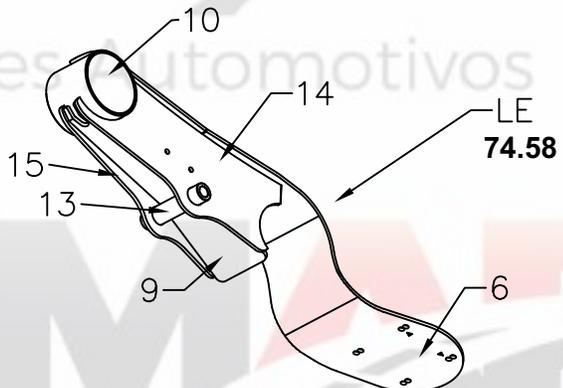
Conjunto parcial mola rígida "Z" Suspensão pneumática semi-reboque



LD 74.57

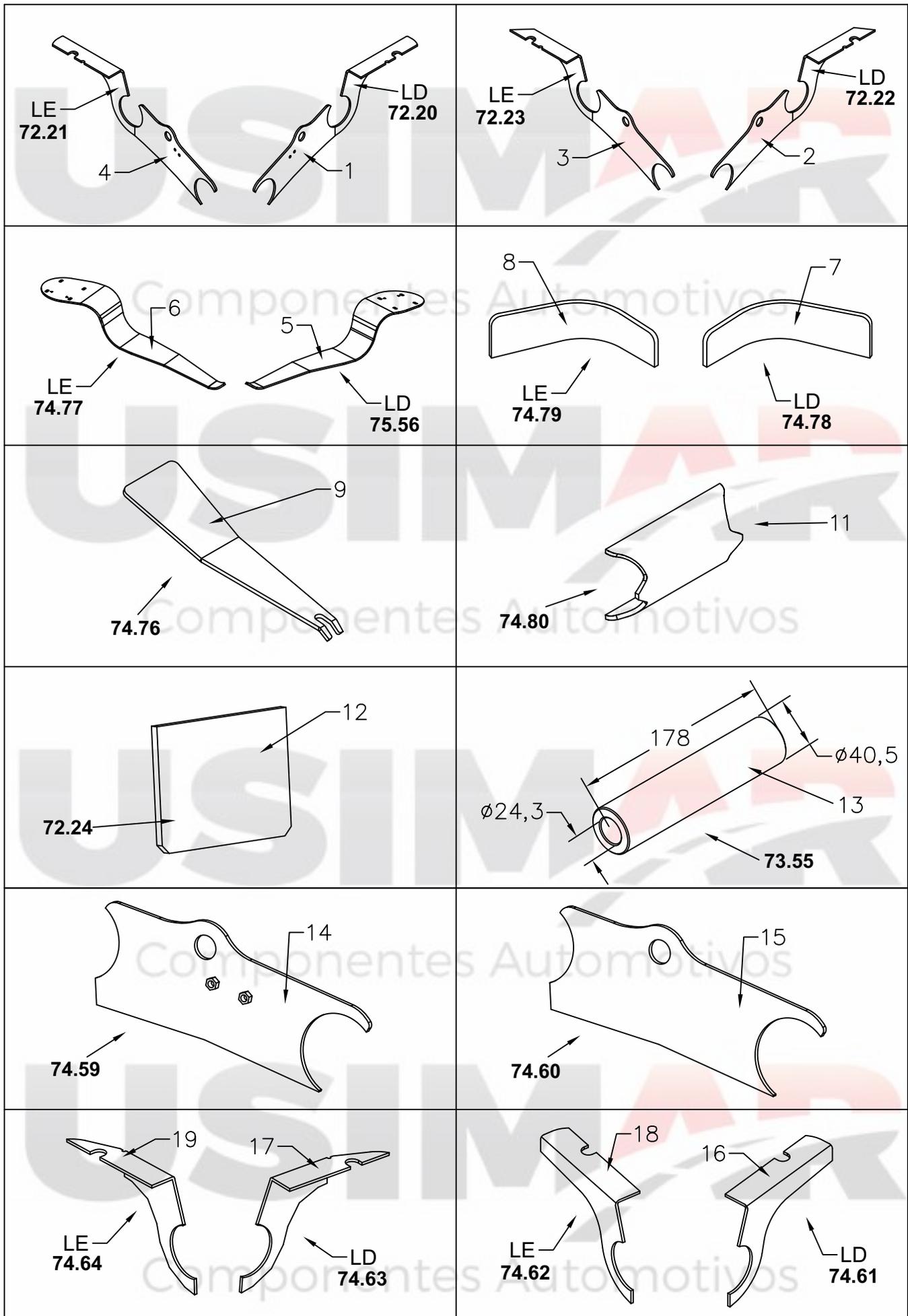


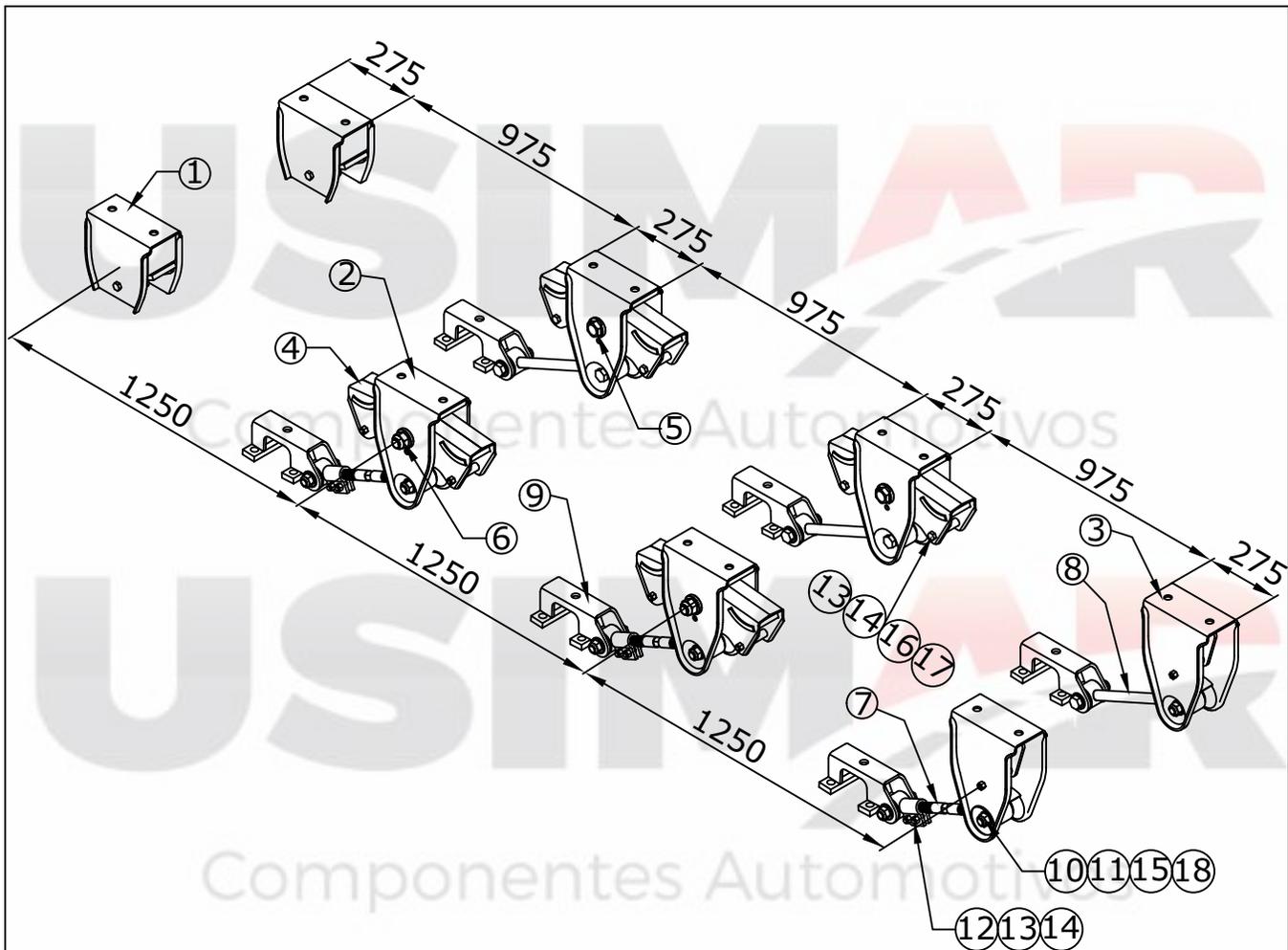
LE 74.58



Componentes na próxima página

# RANDON





OBS: ESFREGA MÓVEL 80.01 ACOMPANHA NOS SUPORTES DIANTEIROS E TRASEIROS.

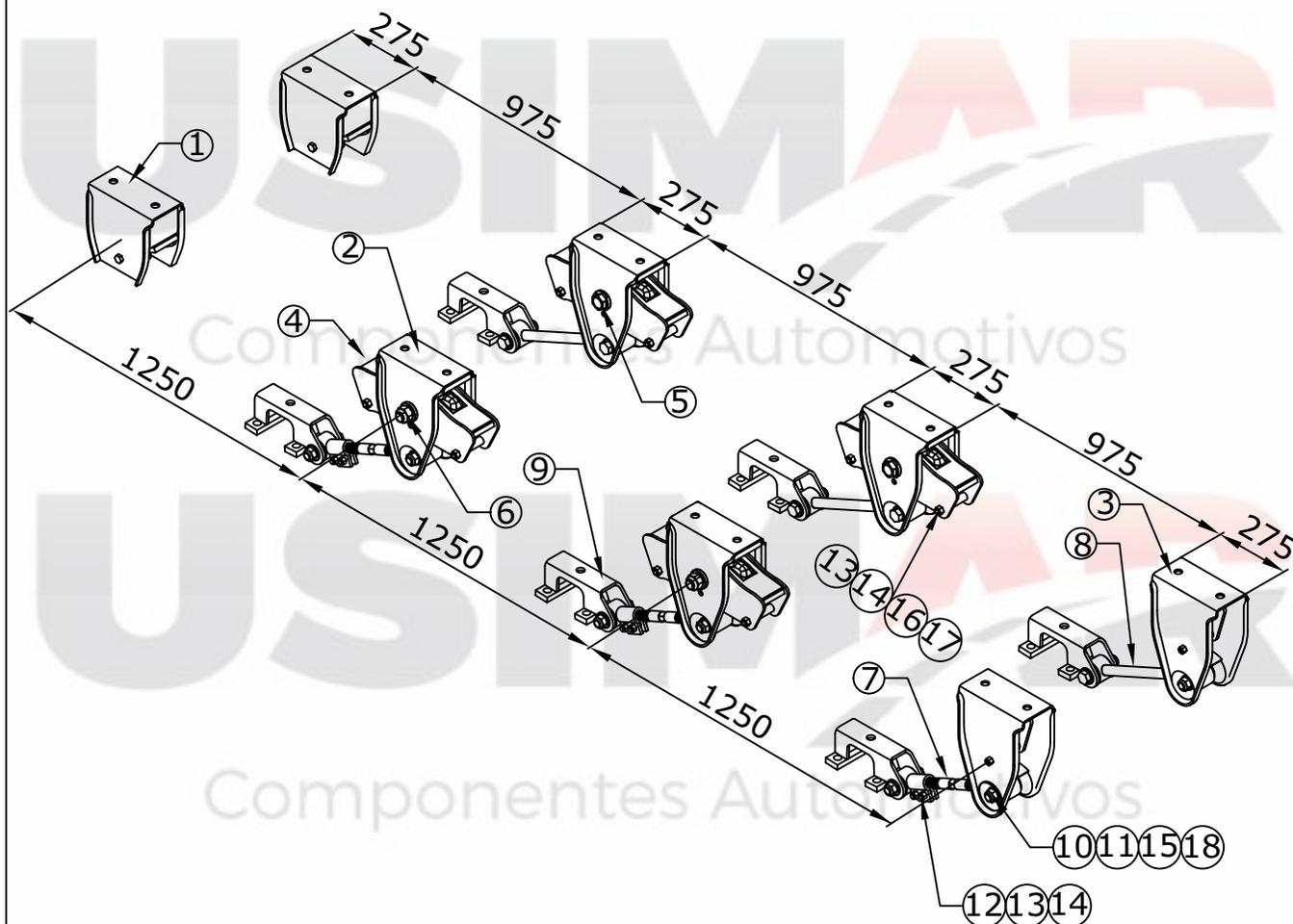
Suspensão do Semi-Reboque Randon 2007

**73.35 - 3 EIXOS**

**76.62 - 2 EIXOS**

Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	04	72.78	Suporte central
03	02	71.66	Suporte dianteiro
04	04	70.22	Balança bucha silenciosa
05	04	40.58	Pino da balança M30
06	04	50.30	Porca do pino M30
07	03	60.29	Tensor regulável c/ 480 mm
08	03	60.30	Tensor fixo c/ 480 mm
09	06	80.51	Sapata eixo retângular
10	12	41.16	Pino tensor
11	12	50.26	Porca do pino tensor
12	12		Parafuso 5/8" x 2"
13	20		Arruela pressão 5/8"
14	20		Porca 5/8"
15	12	90.63	Bucha molecular 2000
16	08		Parafuso 5/8" x 5"
17	08		Tubo 93 mm
18	06	30.92	Arruela pino do tensor

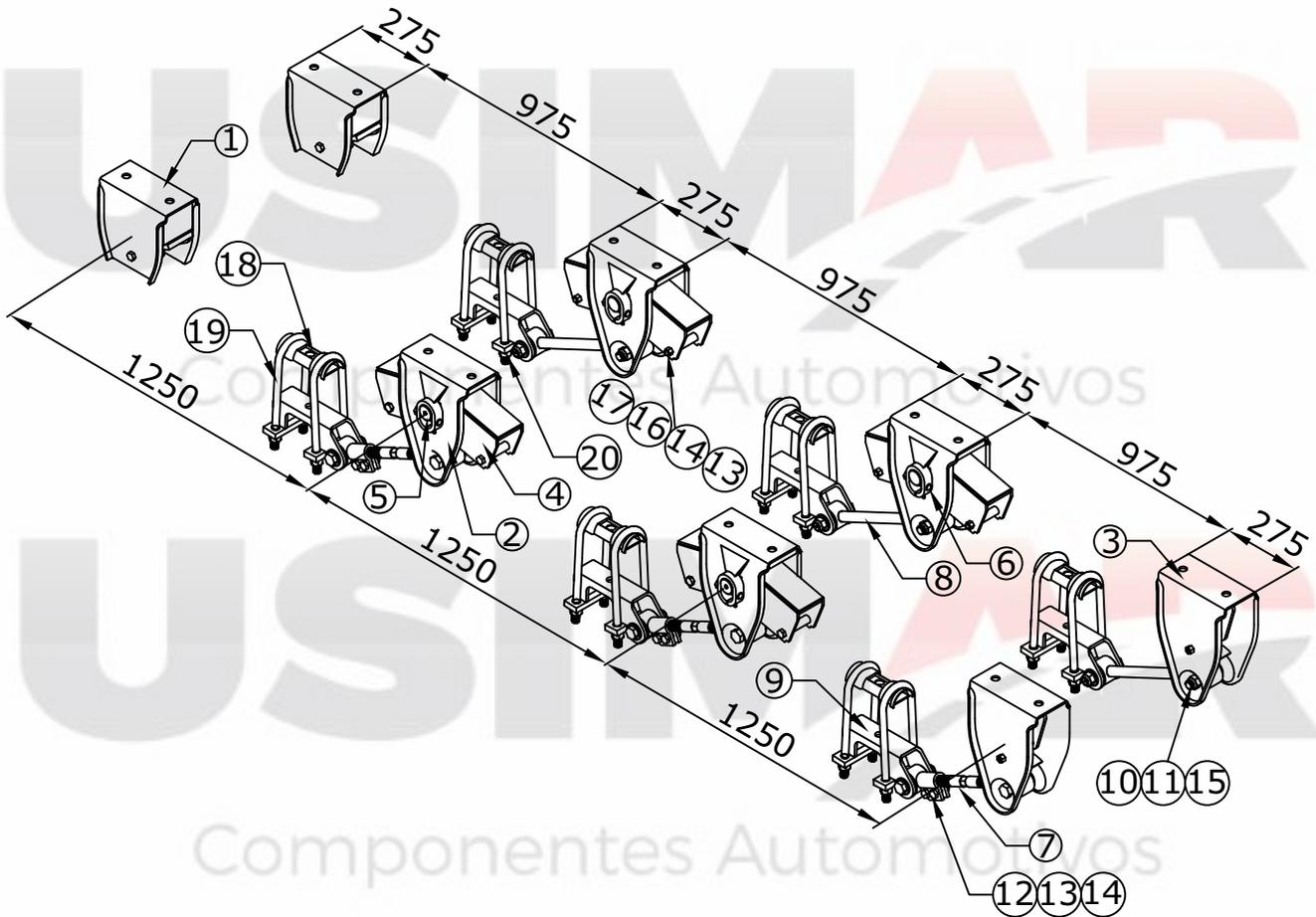
Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	02	72.78	Suporte central
03	02	71.66	Suporte dianteiro
04	02	70.22	Balança bucha silenciosa
05	02	40.58	Pino da balança M30
06	02	50.30	Porca do pino M30
07	03	60.29	Tensor regulável c/ 480 mm
08	02	60.30	Tensor fixo c/ 480 mm
09	04	80.51	Sapata eixo retângular
10	08	41.16	Pino tensor
11	08	50.26	Porca do pino tensor
12	08		Parafuso 5/8" x 2"
13	12		Arruela pressão 5/8"
14	12		Porca 5/8"
15	08	90.63	Bucha molecular 2000
16	04		Parafuso 5/8" x 5"
17	04		Tubo 93 mm
18	04	30.92	Arruela pino do tensor



**76.57**

Suspensão 3 eixos do Semi-Reboque Randon 2012

N°	Qtd.	Código	Denominação
01	02	<b>71.62</b>	Suporte traseiro
02	04	<b>72.78</b>	Suporte central
03	02	<b>71.68</b>	Suporte dianteiro
04	04	<b>70.25</b>	Balança bucha silenciosa
05	04	<b>40.58</b>	Pino da balança M30
06	04	<b>50.30</b>	Porca do pino M30
07	03	<b>60.29</b>	Tensor regulável c/ 480 mm
08	03	<b>60.30</b>	Tensor fixo c/ 480 mm
09	06	<b>80.50</b>	Sapata eixo retângular
10	12	<b>41.16</b>	Pino tensor
11	12	<b>50.26</b>	Porca do pino tensor
12	12		Parafuso 5/8" x 2"
13	20		Arruela pressão 5/8"
14	20		Porca 5/8"
15	12	<b>90.63</b>	Bucha molecular 2000
16	08		Parafuso 5/8" x 5"
17	08	<b>82.04</b>	Tubo 93 mm
18	06	<b>30.92</b>	Arruela pino do tensor



OBS: ESFREGA MÓVEL 80.01 ACOMPANHA NOS SUPORTES DIANTEIROS E TRASEIROS.

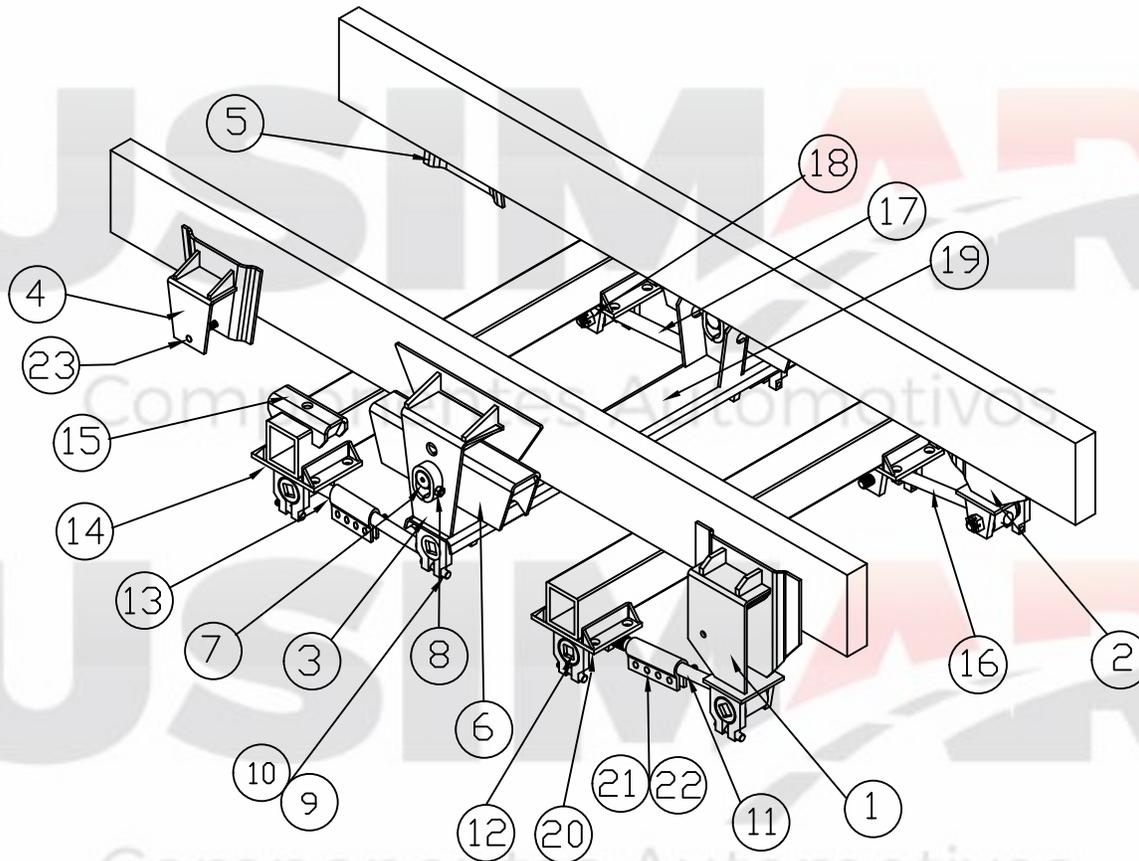
### Suspensão do Semi-Reboque Randon 2000

#### 76.58 - 3 EIXOS

Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	04	71.65	Suporte central
03	02	71.66	Suporte dianteiro
04	04	70.10	Balança
05	04	40.01	Pino da balança
06	08	41.18	Pino do mancal
07	03	60.29	Tensor regulável c/ 480 mm
08	03	60.30	Tensor fixo c/ 480 mm
09	06	80.51	Sapata eixo retangular
10	12	41.16	Pino tensor
11	12	50.26	Porca do pino tensor
12	12		Parafuso 5/8" x 2"
13	28		Arruela pressão 5/8"
14	20		Porca 5/8"
15	12	90.63	Bucha molecular 2000
16	08		Parafuso 5/8" x 5"
17	08		Tubo
18	06	82.03	Separador de grampo
19	12		Grampo de mola 7/8" x 92 x 360
20	24	50.05	Porca grampo 7/8"

#### 76.59 - 2 EIXOS

Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	02	71.65	Suporte central
03	02	71.66	Suporte dianteiro
04	02	70.10	Balança
05	02	40.01	Pino da balança
06	04	41.18	Pino do mancal
07	02	60.29	Tensor regulável c/ 480 mm
08	02	60.30	Tensor fixo c/ 480 mm
09	04	80.51	Sapata eixo retangular
10	08	41.16	Pino tensor
11	08	50.26	Porca do pino tensor
12	08		Parafuso 5/8" x 2"
13	16		Arruela pressão 5/8"
14	12		Porca 5/8"
15	08	90.63	Bucha molecular 2000
16	04		Parafuso 5/8" x 5"
17	04		Tubo
18	04	82.03	Separador de grampo
19	08		Grampo de mola 7/8" x 92 x 360
20	16	50.05	Porca grampo 7/8"

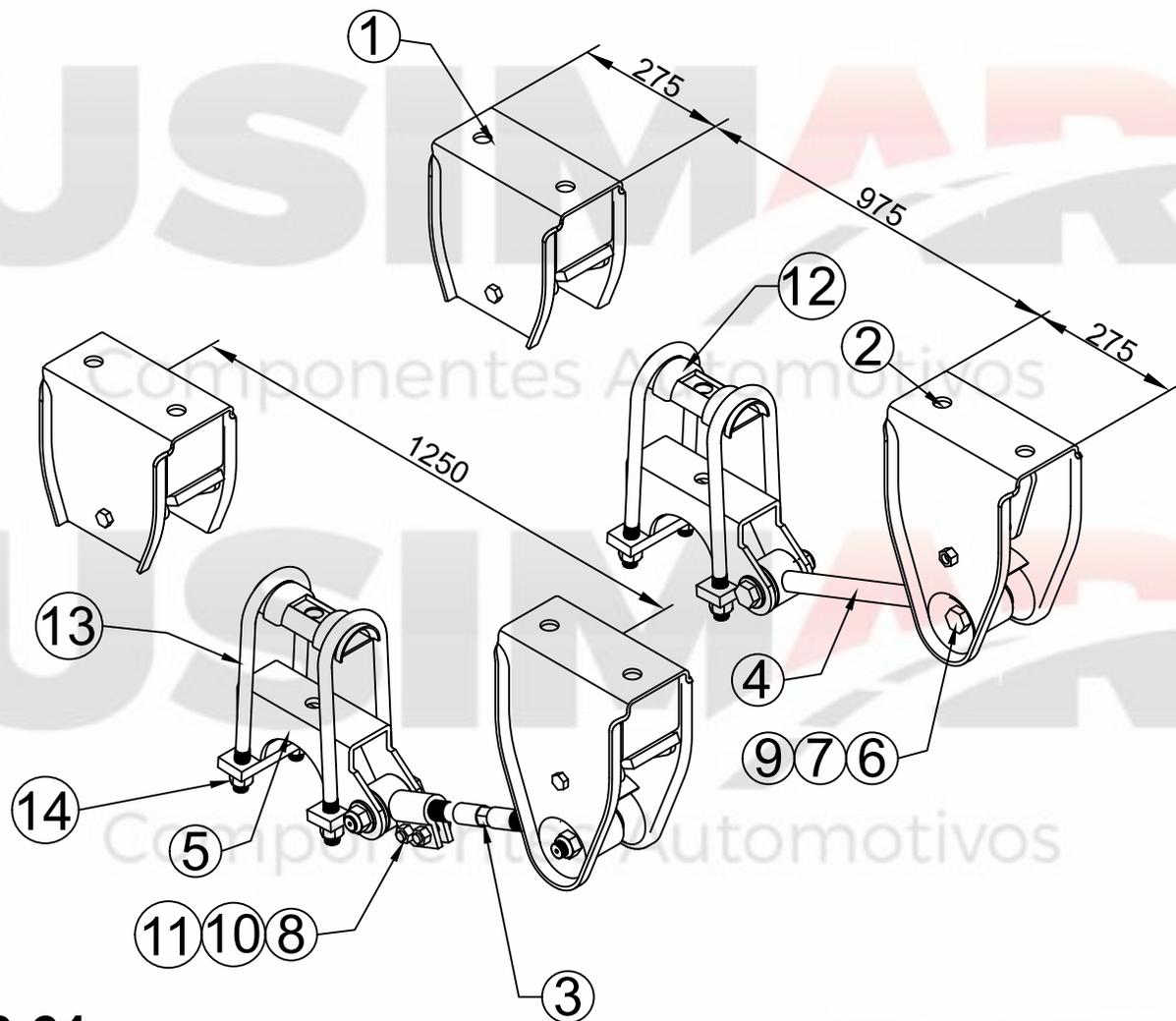


## 76.60

### Terceiro Eixo Randon/Rodoviária 99

Pino balança Ø 50mm e pino tensor cabeça Ø 62mm

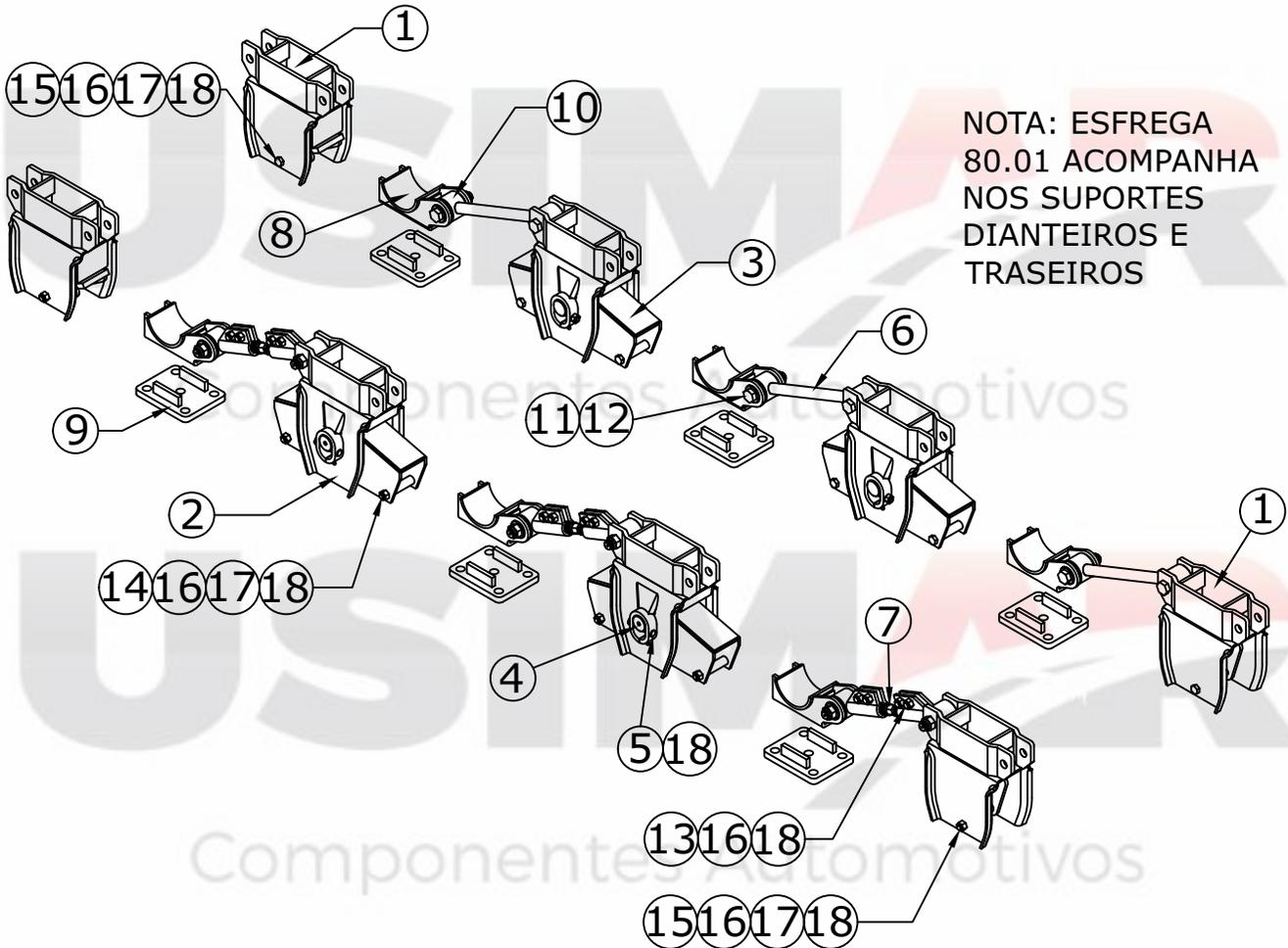
N°	Qtd.	Código	Denominação
01	01	71.46	Suporte dianteiro LD
02	01	71.47	Suporte dianteiro LE
03	02	73.68	Suporte central
04	01	71.83	Suporte traseiro LD
05	01	71.84	Suporte traseiro LE
06	02	70.06	Balança
07	02	40.01	Pino da balança
08	04	41.18	Contrapino do mancal + arruela pressão 5/8"
09	08		Parafuso 1/2" x 3 1/2"
10	08		Porca 1/2"
11	01	60.50	Tensor reg. diant. 820mm
12	08	41.04	Pino do tensor
13	01	60.52	Tensor reg. traseiro 630mm
14	02	81.89	Sapata eixo oco
15	02	81.08	Sapata do 3° eixo
16	01	60.51	Tensor fixo diant. 820mm
17	01	60.53	Tensor fixo traseiro 630mm
18	08	50.04	Porca castelo
19	01	74.40	Travessa de ligação
20	02	80.48	Sapata inferior de tração
21	08		Parafuso 5/8" x 3"
22	12		Porca 5/8"
23	04		Parafuso 5/8" x 5"



## 76.61

### Suspensão 1 eixo do Semi-Reboque Randon 2000

N°	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	02	71.66	Suporte dianteiro
03	01	60.29	Tensor regulável 480mm
04	01	60.30	Tensor fixo 480mm
05	02	80.50	Sapata eixo redondo
06	04	41.16	Pino tensor
07	04	50.26	Porca do pino tensor
08	04		Porca 5/8"
09	04	90.63	Bucha molecular 2000
10	04		Paraf. 5/8" x 2"
11	04		Arruela de pressão 5/8"
12	02	82.03	Separador de grampo
13	04		Grampo de mola 7/8" x 92 x 360
14	08	50.05	Porca grampo 7/8"



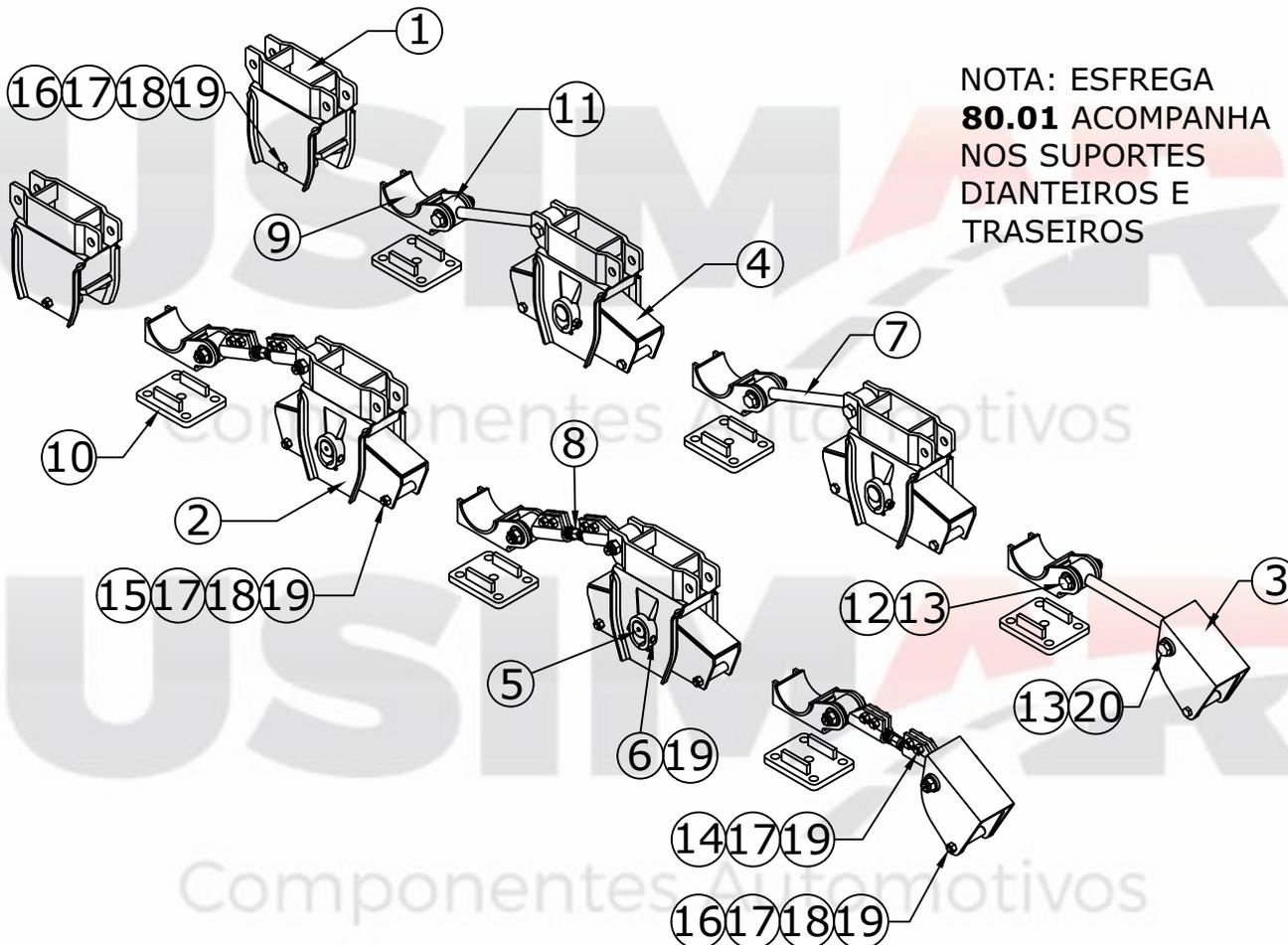
## Suspensão Carrega Tudo - Suporte Dianteiro Reto

**76.64 - 3 EIXOS**

**76.65 - 2 EIXOS**

Nº	Qtd.	Código	Denominação
01	04	72.33	Suporte Dianteiro/Traseiro
02	04	72.34	Suporte Central
03	04	70.20	Balança
04	04	40.01	Pino da Balança
05	08	41.18	Contrapino do Mancal + porca 9/16"
06	03	62.37	Tensor Fixo 420mm
07	03	62.02	Tensor Regulável 420mm
08	06	81.05	Sapata Superior
09	06	81.06	Sapata Inferior
10	12	90.63	Bucha Molecular
11	12	41.16	Parafuso do Tensor
12	12	50.26	Porca do Pino do Tensor
13	12		Parafuso 5/8" X 2"
14	08		Parafuso 5/8" x 5"
15	04		Parafuso 5/8" x 6"
16	24		Porca 5/8"
17	12	82.04	Tubo
18	32		Arruela de Pressão 5/8"

Nº	Qtd.	Código	Denominação
01	04	72.33	Suporte Dianteiro/Traseiro
02	02	72.34	Suporte Central
03	02	70.20	Balança
04	02	40.01	Pino da Balança
05	04	41.18	Contrapino do Mancal + porca 9/16"
06	02	62.37	Tensor Fixo 420mm
07	02	62.02	Tensor Regulável 420mm
08	04	81.05	Sapata Superior
09	04	81.06	Sapata Inferior
10	08	90.63	Bucha Molecular
11	08	41.16	Parafuso do Tensor
12	08	50.26	Porca do Pino do Tensor
13	08		Parafuso 5/8" X 2"
14	04		Parafuso 5/8" x 5"
15	04		Parafuso 5/8" x 6"
16	16		Porca 5/8"
17	08	82.04	Tubo
18	20		Arruela de Pressão 5/8"



Suspensão Carrega - Suporte Dianteiro inclinado

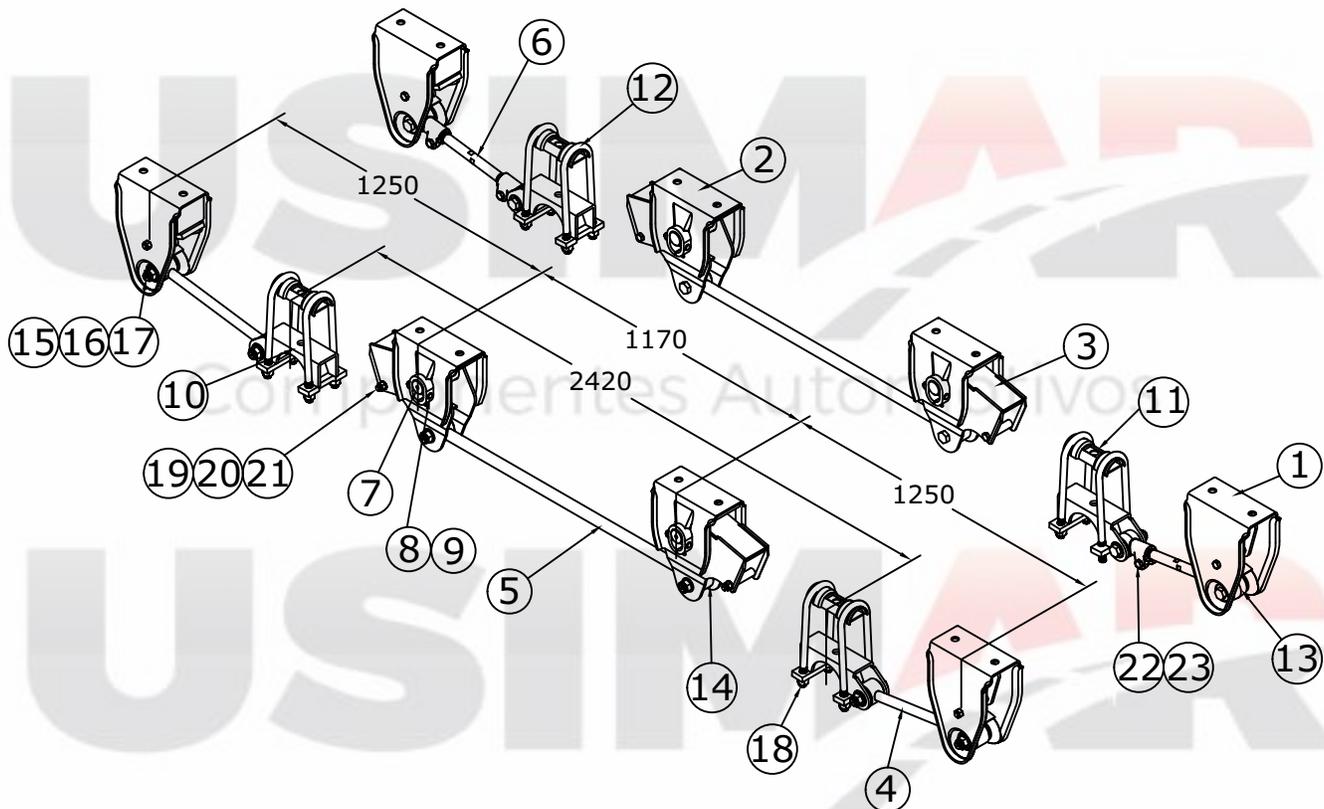
**76.66 - 3 EIXOS**

**76.67 - 2 EIXOS**

Nº	Qtd.	Código	Denominação
01	02	72.33	Suporte Traseiro
02	04	72.34	Suporte Central
03	02	72.35	Suporte Dianteiro Inclinado
04	04	70.20	Balança
05	04	40.01	Pino da Balança
06	08	41.18	Contrapino do Mancal + porca 9/16"
07	03	62.37	Tensor Fixo 420mm
08	03	62.02	Tensor Regulável 420mm
09	06	81.05	Sapata Superior
10	06	81.06	Sapata Inferior
11	12	90.63	Bucha Molecular
12	10	41.16	Parafuso do Tensor
13	12	50.26	Porca do Pino do Tensor
14	12		Parafuso 5/8" X 2"
15	08		Parafuso 5/8" x 5"
16	04		Parafuso 5/8" x 6"
17	24		Porca 5/8"
18	12	82.04	Tubo
19	32		Arruela de Pressão 5/8"
20	02	41.52	Pino do Tensor M24 X passo 2mm

Nº	Qtd.	Código	Denominação
01	02	72.33	Suporte Traseiro
02	02	72.34	Suporte Central
03	02	72.35	Suporte Dianteiro Inclinado
04	02	70.20	Balança
05	02	40.01	Pino da Balança
06	04	41.18	Contrapino do Mancal + porca 9/16"
07	02	62.37	Tensor Fixo 420mm
08	02	62.02	Tensor Regulável 420mm
09	04	81.05	Sapata Superior
10	04	81.06	Sapata Inferior
11	08	90.63	Bucha Molecular
12	06	41.16	Parafuso do Tensor
13	08	50.26	Porca do Pino do Tensor
14	08		Parafuso 5/8" X 2"
15	04		Parafuso 5/8" x 5"
16	04		Parafuso 5/8" x 6"
17	16		Porca 5/8"
18	08	82.04	Tubo
19	20		Arruela de Pressão 5/8"
20	02	41.52	Pino do Tensor M24 X passo 2mm

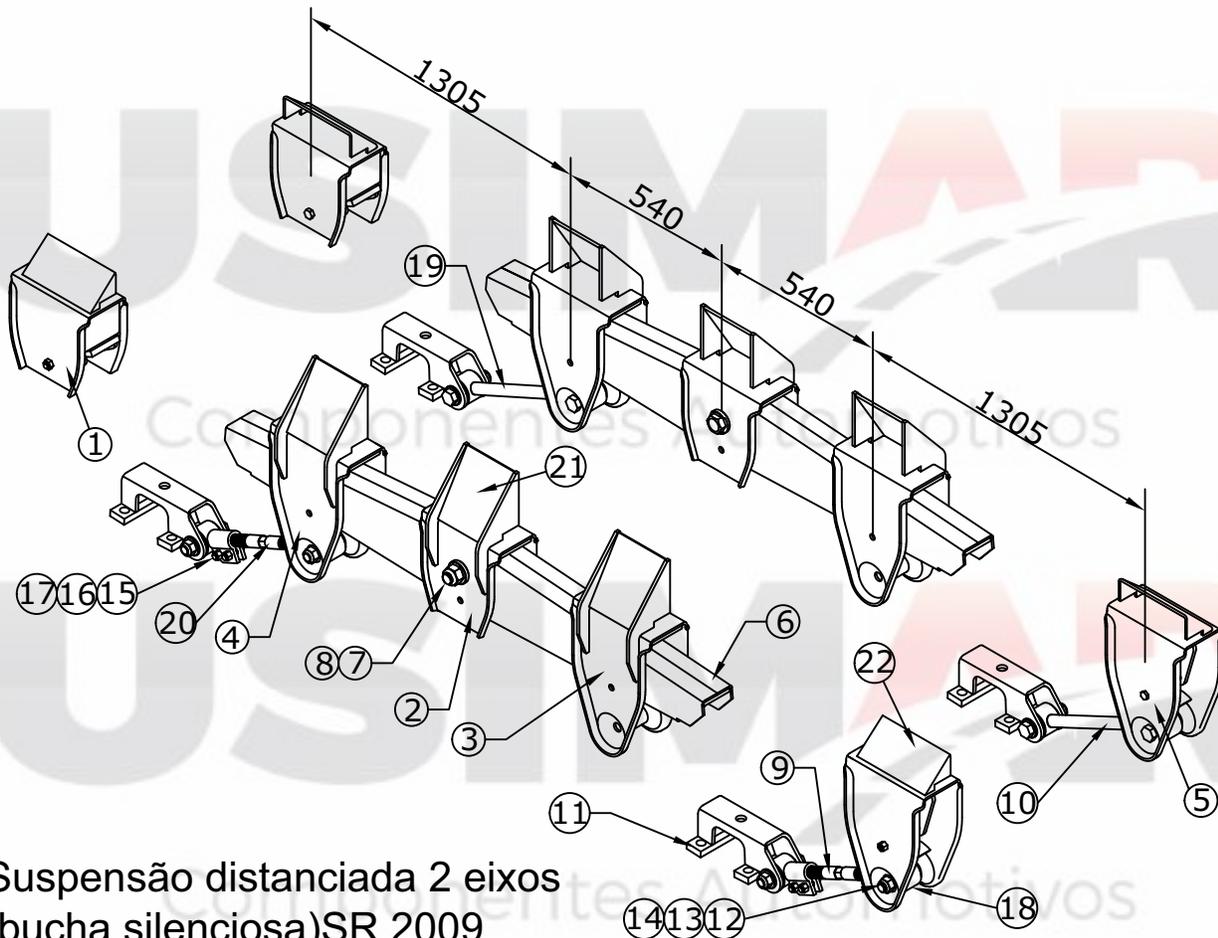
# RANDON



**76.68**

Suspensão 2 Eixos Distanciada do SR Vanderléia

N°	Qtd.	Código	Denominação
01	04	<b>71.66</b>	Suporte diant./tras. c/ esfrega móvel <b>80.01</b>
02	04	<b>73.47</b>	Suporte Central Curto
03	04	<b>70.28</b>	Balança
04	02	<b>60.30</b>	Tensor fixo c/ 480mm
05	02	<b>60.01</b>	Tensor fixo c/ 1170mm
06	02	<b>60.90</b>	Tensor regulável c/ 480mm c/ luvas fundidas
07	04	<b>40.01</b>	Pino da Balança Ø49.9
08	08	<b>41.18</b>	Contrapino do mancal com porca
09	12		Arruela de pressão 5/8"
10	04	<b>80.50</b>	Sapata do SR eixo redondo
11	04	<b>82.03</b>	Separador grampo de mola
12	08		Grampo de mola tipo "C" Ø7/8" x 92 x 360
13	08	<b>90.63</b>	Bucha molecular do tirante
14	04	<b>91.27</b>	Bucha molecular
15	12	<b>41.16</b>	Pino do tensor
16	12	<b>50.26</b>	Porca do pino do tensor
17	12	<b>30.92</b>	Arruela do pino do tensor
18	16	<b>50.05</b>	Porca 7/8"
19	04		Porca 5/8"
20	04		Parafuso 5/8" x 5"
21	04	<b>82.08</b>	Tubo 92mm
22	04		Parafuso M16 x 80 classe 8.8
23	04		Porca M16 amassada



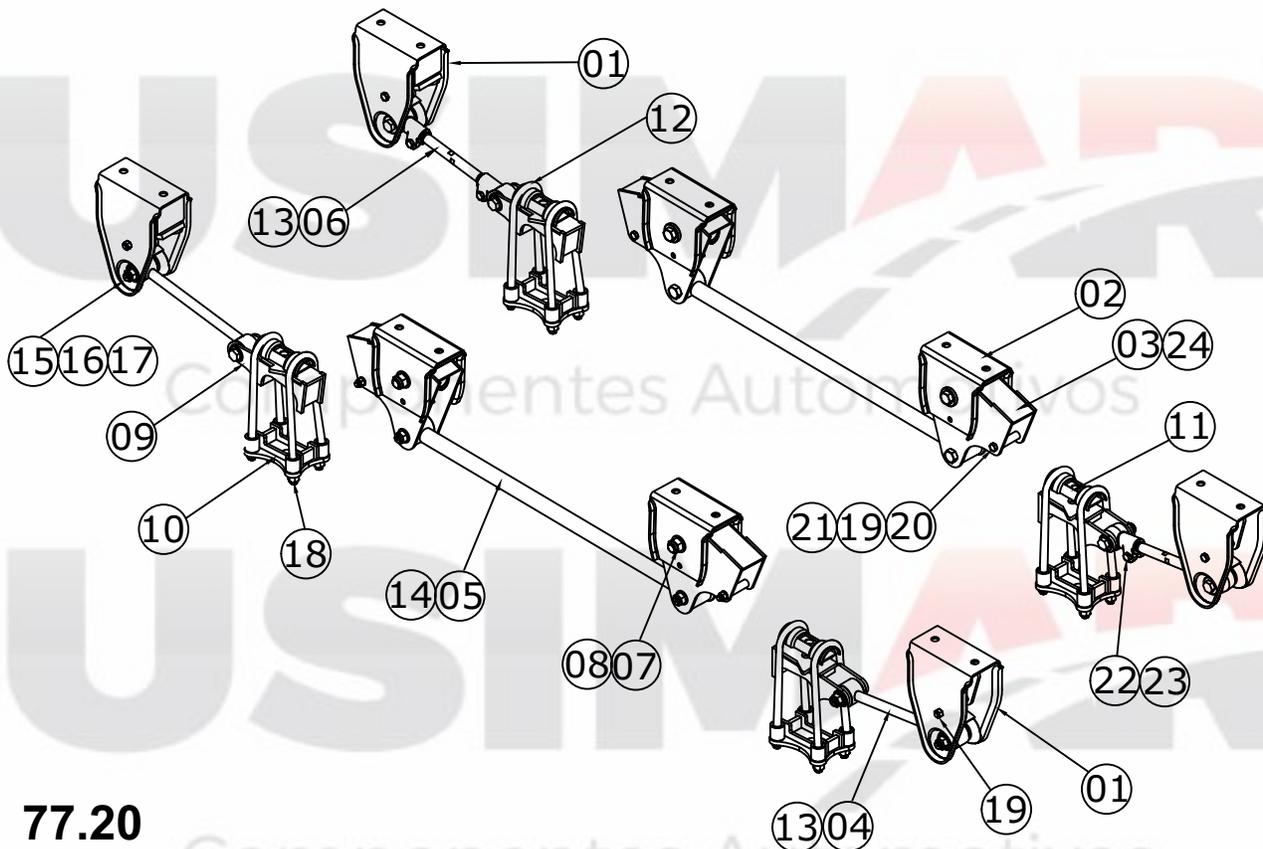
Suspensão distanciada 2 eixos  
(bucha silenciosa)SR 2009

**77.02**  
**Sem reforços**

**77.03**  
**Com reforços**

Nº	Qtd.	Código	Denominação
01	02	<b>71.62</b>	Suporte traseiro
02	02	<b>72.67</b>	Suporte central
03	02	<b>73.41</b>	1º Suporte da balança
04	02	<b>73.36</b>	2º Suporte da balança
05	02	<b>71.66</b>	Suporte dianteiro
06	02	<b>70.24</b>	Balança distanciada
07	02	<b>40.58</b>	Pino da balança
08	02	<b>50.30</b>	Porca
09	01	<b>60.29</b>	Tensor regulável c/ 480mm
10	01	<b>60.30</b>	Tensor fixo c/ 480mm
11	04	<b>80.51</b>	Sapata eixo retângular
12	08	<b>41.16</b>	Pino tensor
13	08	<b>50.26</b>	Porca do pino tensor
14	04	<b>30.92</b>	Arruela
15	08		Parafuso 5/8" x 2"
16	08		Arruela pressão 5/8"
17	08		Porca 5/8"
18	08	<b>90.63</b>	Bucha molecular 2000
19	01	<b>60.34</b>	Tensor fixo c/ 535mm
20	01	<b>60.41</b>	Tensor regulável c/ 535mm
21	06		Reforço suporte central, 1ª e 2ª balança
22	04		Reforço do suporte dianteiro e traseiro

# RANDON

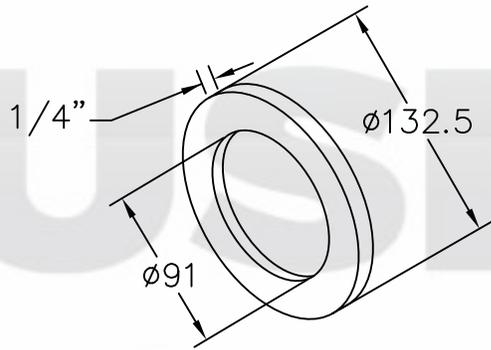


## 77.20

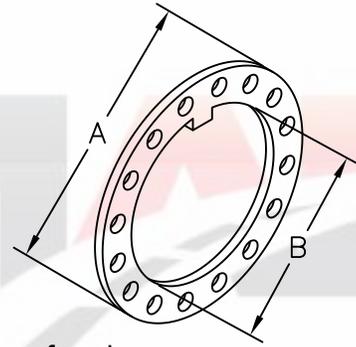
### Suspensão 2 Eixos Distanciada com bucha molecular 2018

N°	Qtd.	Código	Denominação
01	04	71.66	Suporte diant./tras. c/ esfrega móvel 80.01
02	04	77.21	Suporte central curto
03	04	77.14	Balança
04	02	60.30	Tensor fixo c/ 480mm
05	02	62.77	Tensor fixo c/ 1260mm
06	02	60.90	Tensor regulável c/ 480mm c/ luvas fundidas
07	04	40.58	Pino da Balança M30
08	04	50.30	Porca M30 autotravante
09	04		Sapata do SR superior
10	04		Sapata do SR inferior
11	04	82.58	Separador grampo de mola "C"
12	08		Grampo de mola tipo "C" Ø7/8" x 92 x 410
13	08		Bucha molecular do tirante
14	04		Bucha molecular do tensor fixo
15	12	41.16	Pino do tensor
16	12	50.26	Porca do pino do tensor
17	12	30.92	Arruela do pino do tensor
18	16	50.05	Porca 7/8" dupla
19	04		Porca 5/8" autotravante
20	04		Parafuso 5/8" x 5"
21	04	82.08	Tubo 92mm
22	04		Parafuso M16 x 80 classe 8.8
23	04		Porca M16 autotravante
24	04		Bucha molecular da balança

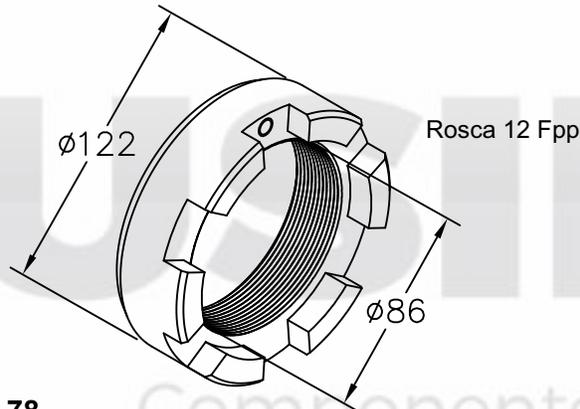
# RODOVIÁRIA



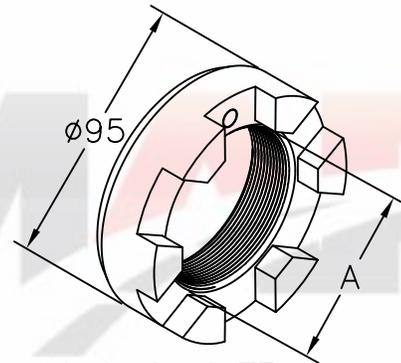
**30.28**  
Arruela externa para balança do SR



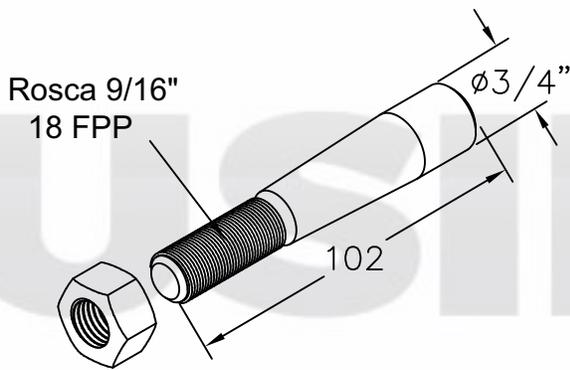
Arruela perfurada  
**30.77** - A = Ø98mm B = Ø63mm (TE)  
**30.88** - A = Ø125mm B = Ø89 (SR)



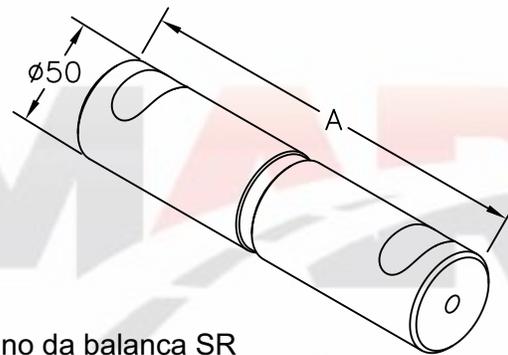
**30.78**  
Porca castelo do eixo do SR



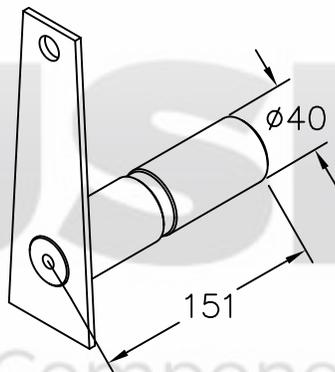
Porca castelo do eixo do TE  
**30.79** - Rosca M62 x 1,5mm  
**30.85** - Rosca M66 x1,5mm



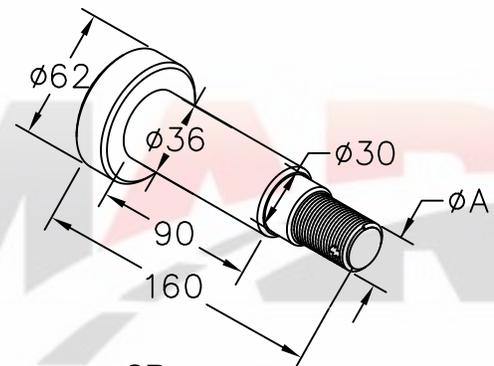
**40.05**  
Pino cônico do SR com porca



Pino da balança SR  
**40.17** - A = 215mm  
**40.18** - A = 225mm

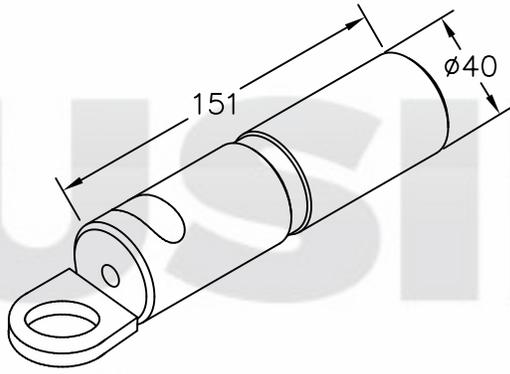


**40.19**  
Pino do deslizante do TE

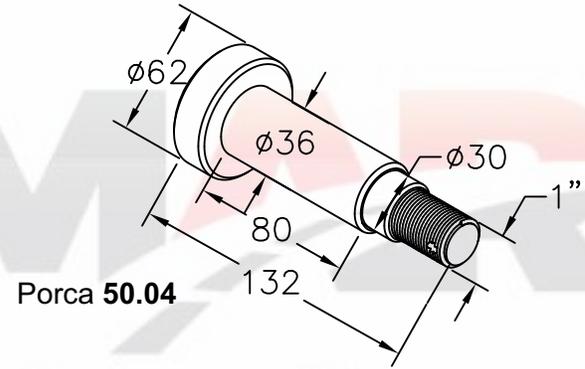


Pino tensor para SR  
**41.04** - A = 1" (Porca castelo **50.04**)  
**41.37** - A = M24 x 2 (porca **50.26**)

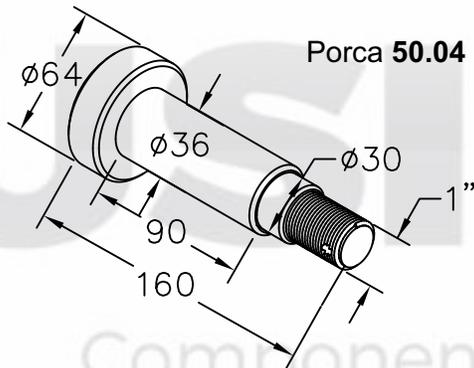
# RODOVIÁRIA



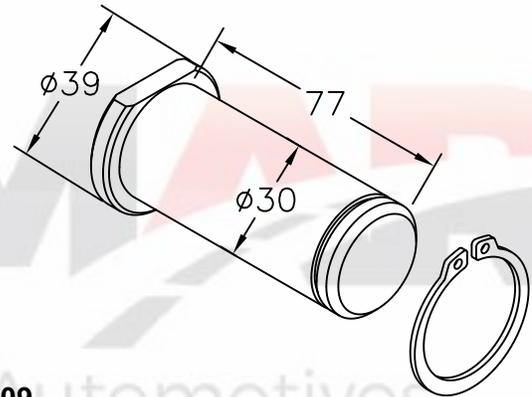
**41.42**  
Pino do suporte traseiro do TE



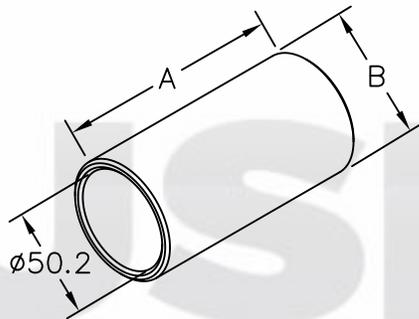
**41.54**  
Pino tensor curto para SR



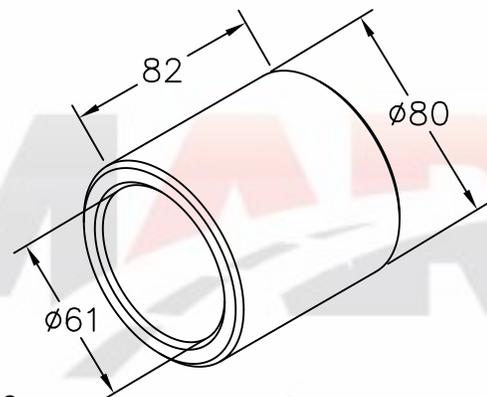
**41.78**  
Pino tensor para SR com cabeça Ø64mm



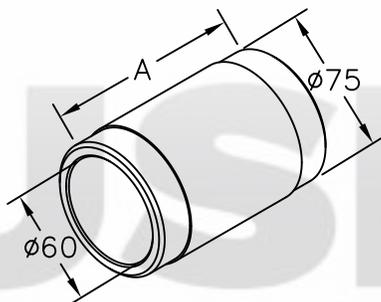
**42.09**  
Pino da sapata do freio c/ anéis do TE



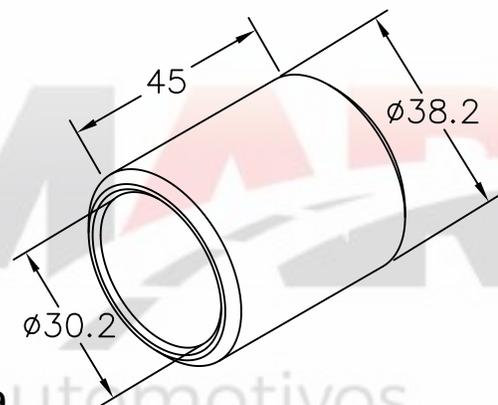
Bucha interna para balança  
**50.01** - A = 118mm B = Ø60,3  
**50.25** - A = 130mm B = Ø60,3  
**51.38** - A = 118mm B = Ø60



**50.13**  
Bucha da ponteira do tensor do SR

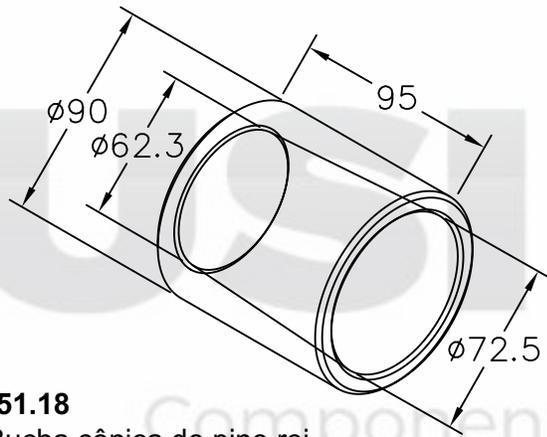


Bucha externa da balança  
**50.27** - A = 119mm (TE)  
**50.28** - A = 130mm (SR)  
**50.29** - A = 120mm (SR)

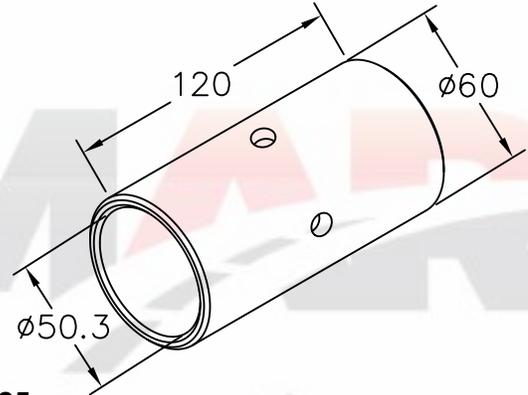


**50.79**  
Bucha do pino da sapata do freio do SR

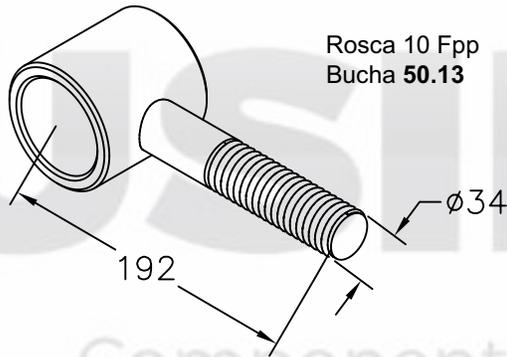
# RODOVIÁRIA



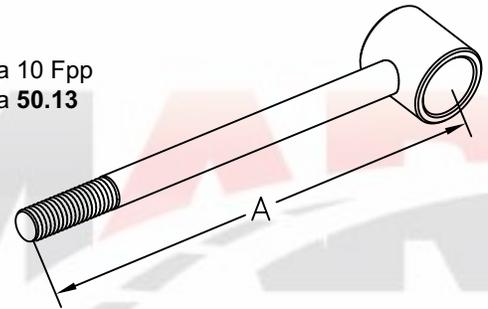
**51.18**  
Bucha cônica do pino rei



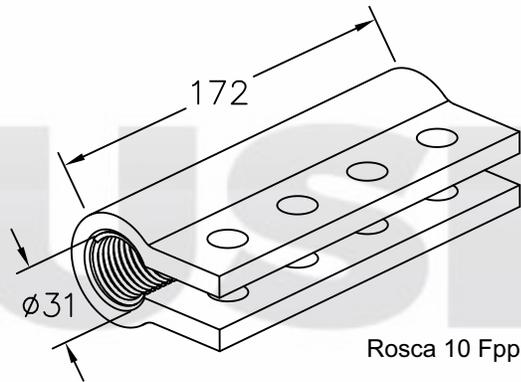
**51.25**  
Bucha interna para balança do SR



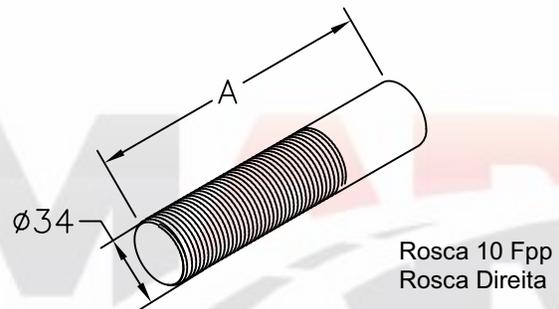
**60.02**  
Ponteira do tensor do TE rosca direita



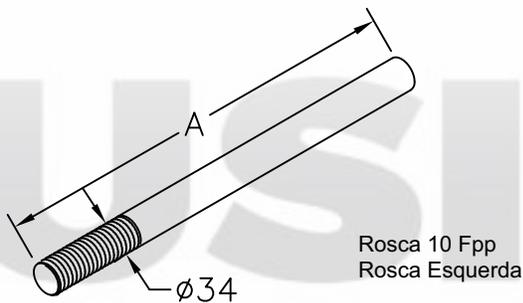
Ponteira do tensor do TE rosca esquerda  
**60.03** - A = 480mm  
**60.61** - A = 350 mm  
**60.70** - A = 590 mm



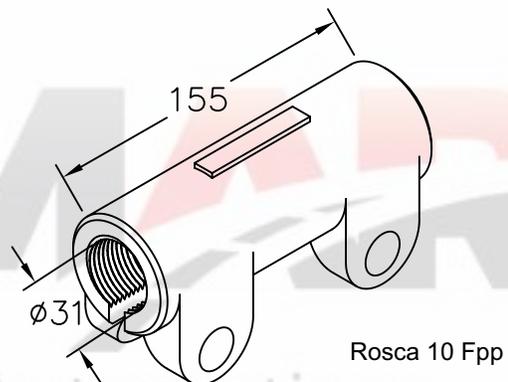
**60.07**  
Luva do tensor do SR



Varão do tensor do SR  
**60.08** - A = 152mm  
**60.09** - A = 300mm  
**60.10** - A = 250mm

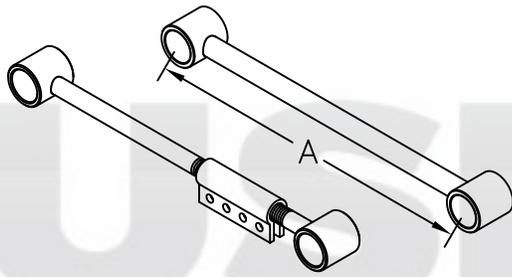


Varão do tensor  
**60.11** - A = 440mm  
**60.12** - A = 570mm  
**60.14** - A = 800mm



**60.13**  
Luva fundida do tensor

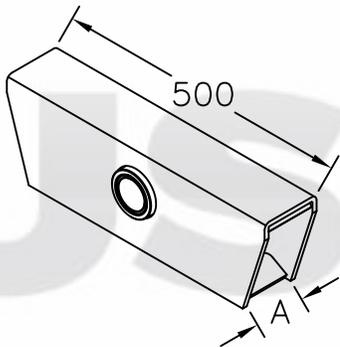
# RODOVIÁRIA



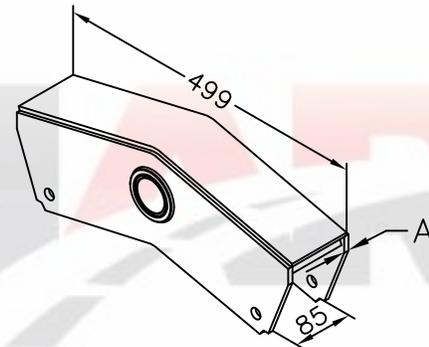
Tensor do Terceiro eixo

Bucha 50.13  
Luva 60.07

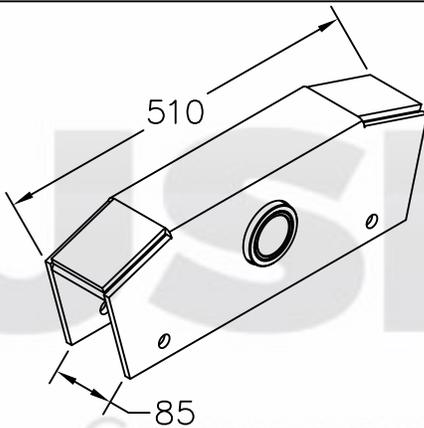
FIXO	REGULÁVEL
61.13 - A = 692mm	60.04 - A = 692mm
61.49 - A = 800mm	60.57 - A = 560mm
61.28 - A = 750mm	60.83 - A = 800mm
61.29 - A = 650mm	61.26 - A = 750mm
	61.27 - A = 650mm
	62.14 - A = 700mm
60.24 - A = 822mm	61.45 - A = 822mm



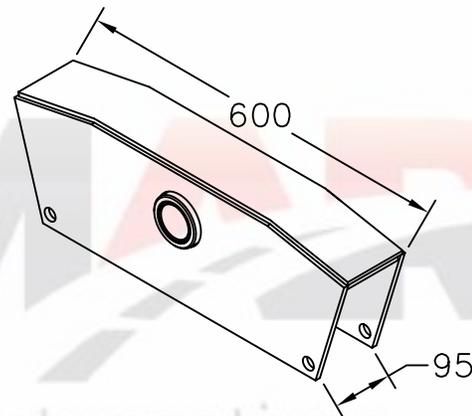
Balança do TE modelo 88 p/ pino 50mm  
70.06 - A= 85mm  
72.83 - A=95mm



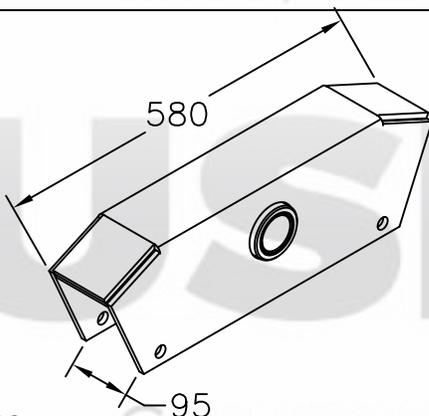
Balança do TE para pino Ø50mm mola 80mm  
70.11 - chapa 5/16"  
73.18 - chapa 3/8"



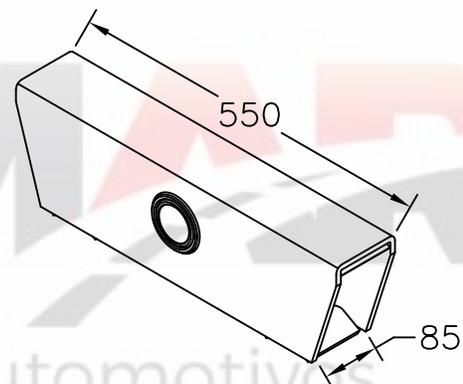
70.31  
Balança do TE para pino Ø50



70.32  
Balança do SR para pino Ø 50mm

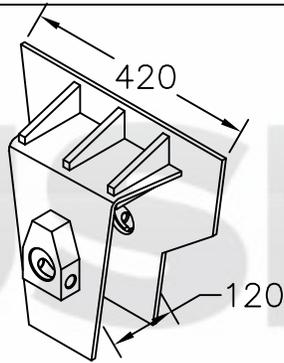


70.33  
Balança do SR moderna para pino Ø 50

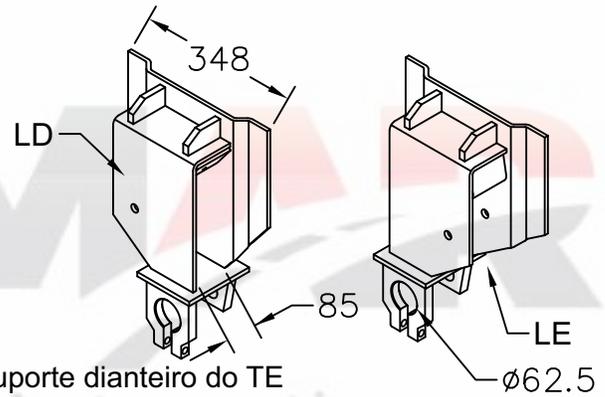


75.26  
Balança do TE para pino Ø50

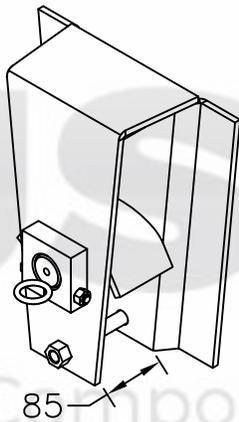
# RODOVIÁRIA



Suporte central do TE p/ pino 50mm  
**71.45** - corpo em 5/16"  
**73.54** - corpo em 3/8"



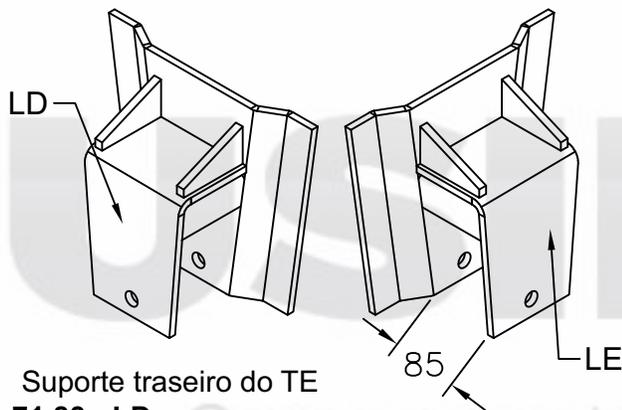
Suporte dianteiro do TE  
**71.46** - LD  
**71.47** - LE



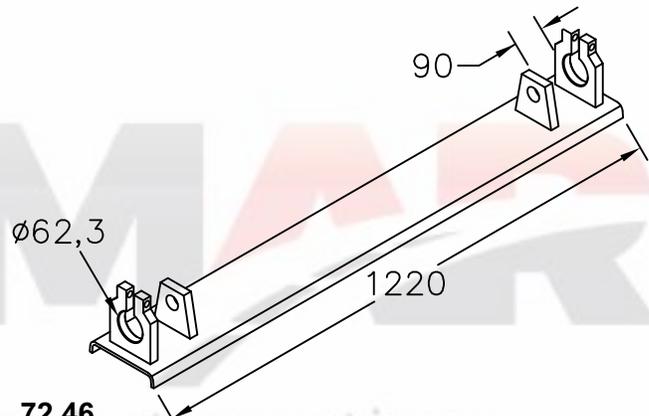
**71.81**  
 Suporte traseiro do TE modelo antigo



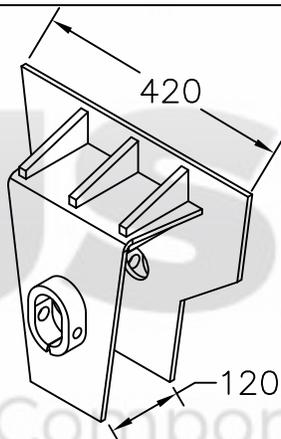
**71.82**  
 Suporte traseiro do TE



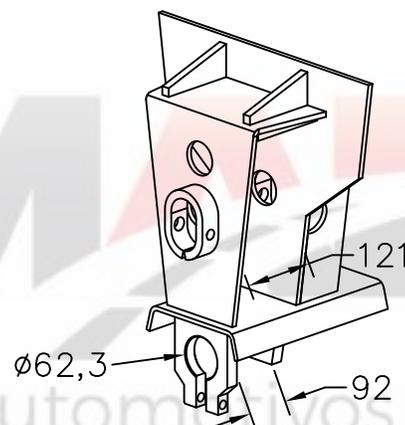
Suporte traseiro do TE  
**71.83** - LD  
**71.84** - LE



**72.46**  
 Travessa de ligação da suspensão do TE

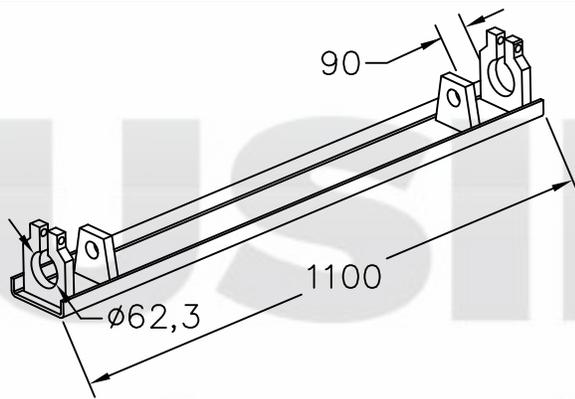


**72.86**  
 Suporte central do TE para pino  $\phi 50$ mm



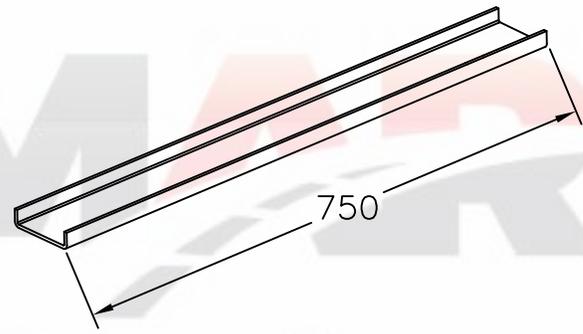
**73.68**  
 Suporte central para pino  $\phi 50$ mm do TE

# RODOVIÁRIA



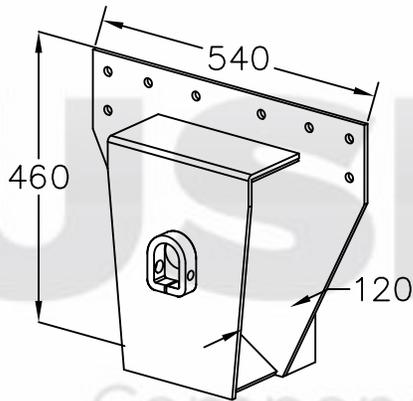
**73.96**

Travessa de ligação da suspensão do TE LS



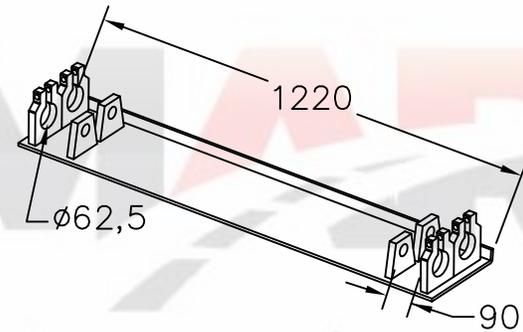
**74.40**

Travessa de ligação do suporte central



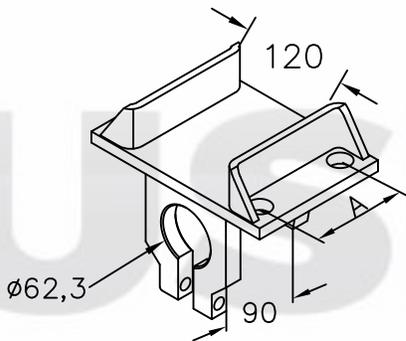
**75.14**

Suporte central TE p/ pino 50mm p/ mancal duplo



**75.25**

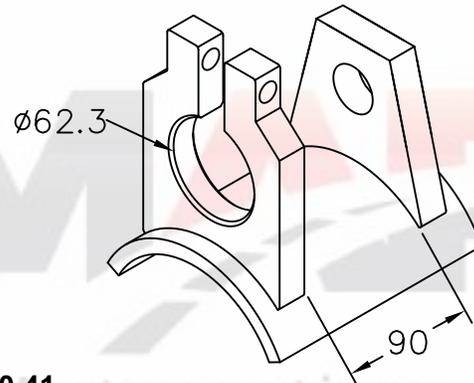
Travessa de ligação dupla do TE



Sapata do eixo de tração c/ abertura 120mm

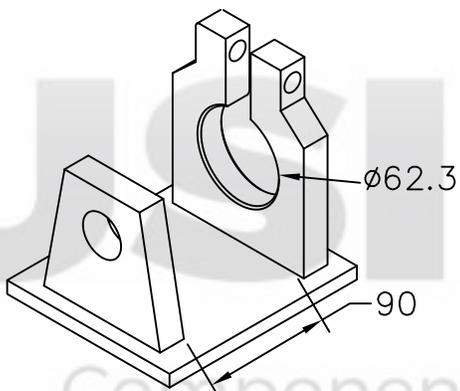
**80.33** - A = 116mm (mola 90mm)

**80.48** - A = 102mm (mola 80mm)



**80.41**

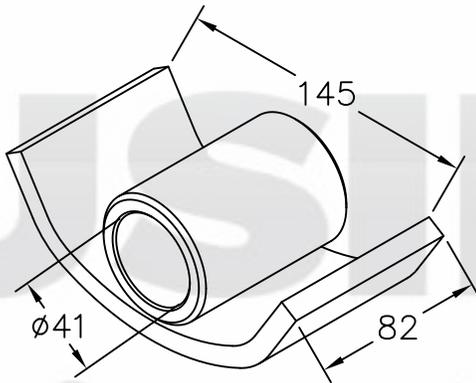
Mancal do pino tensor com base oval



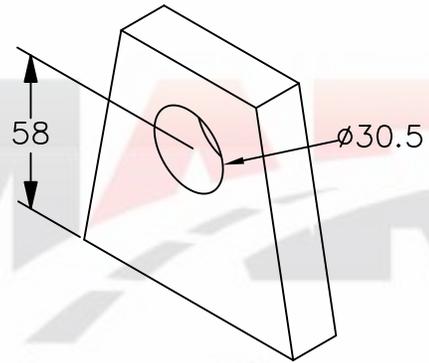
**80.42**

Mancal do pino tensor do TE

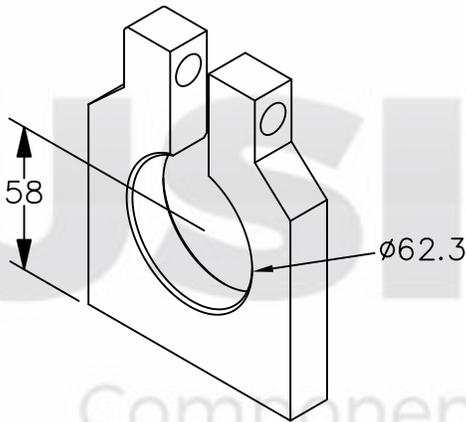
# RODOVIÁRIA



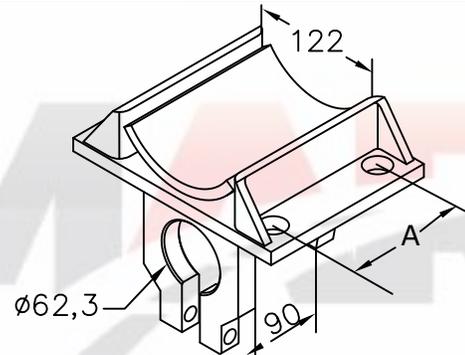
**80.43**  
Deslizante do TE



**80.44**  
Mancal interno do pino tensor do TE ou SR



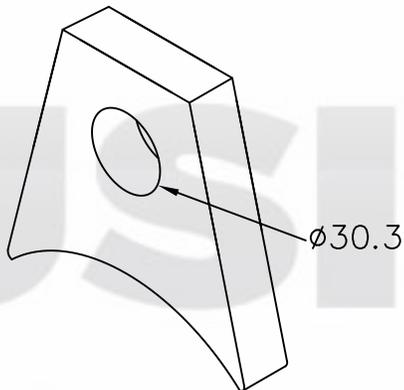
**80.45**  
Mancal externo do pino tensor do SR



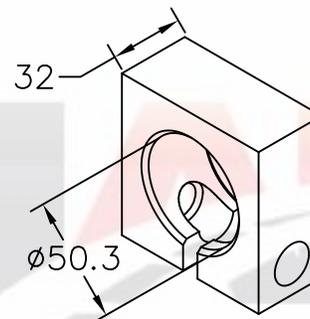
Sapata para eixo redondo

**80.46** - A = 116mm (SR)

**80.47** - A = 102mm (TE)



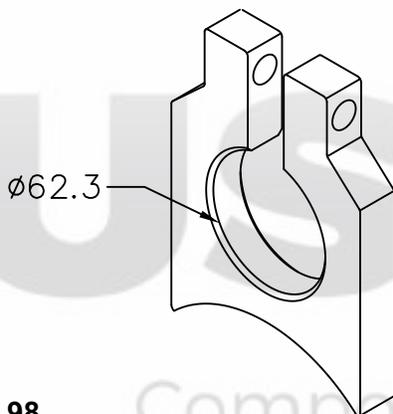
**80.97**  
Mancal interno com base oval do SR



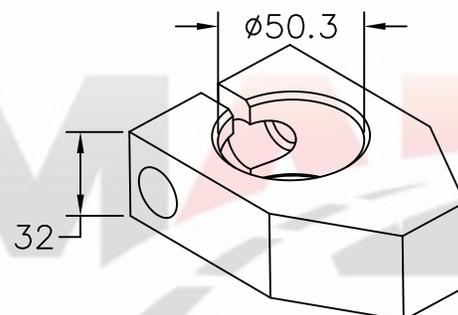
Mancal interno para pino Ø50mm da balança do SR

**80.49** - P/ chaveta cônica

**82.06** - C/ furo 16mm



**80.98**  
Mancal externo com base oval do SR

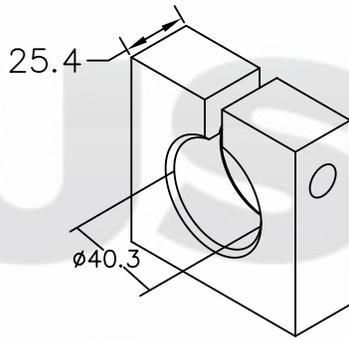


Mancal externo para pino Ø50mm da balança do TE

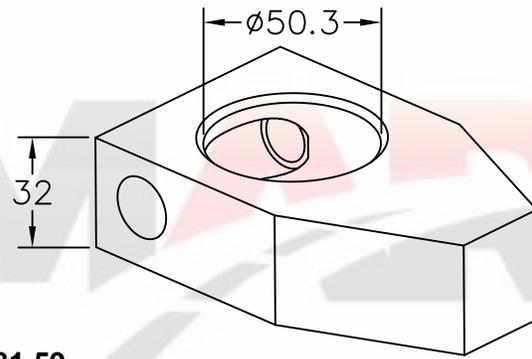
**80.99** - P/ chaveta cônica

**82.05** - C/ furo Ø16mm

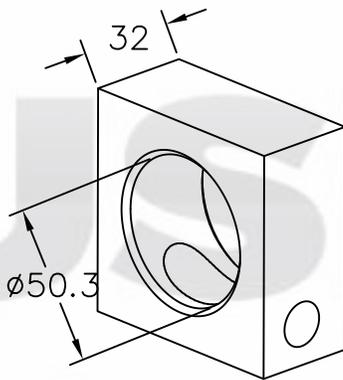
# RODOVIÁRIA



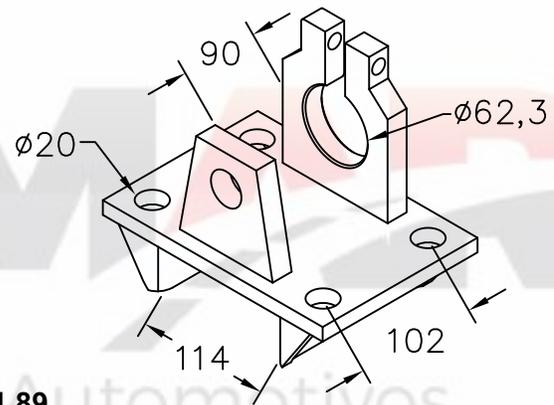
**81.15**  
Mancal do suporte traseiro do TE p/ pino 40mm



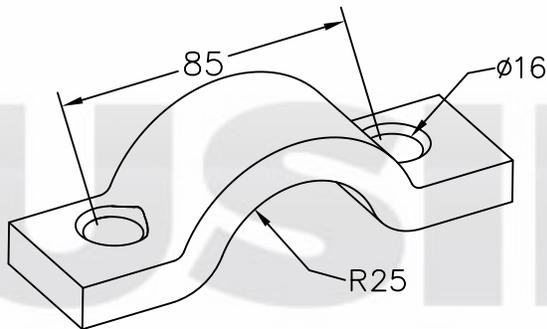
**81.59**  
Mancal externo do pino da balança 50mm  
(fechado)



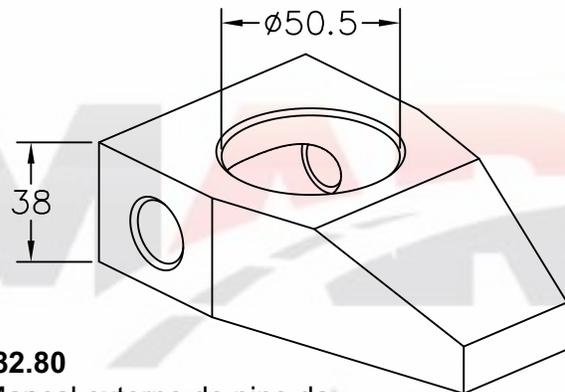
**81.60**  
Mancal interno do pino da balança 50mm do  
SR (fechado)



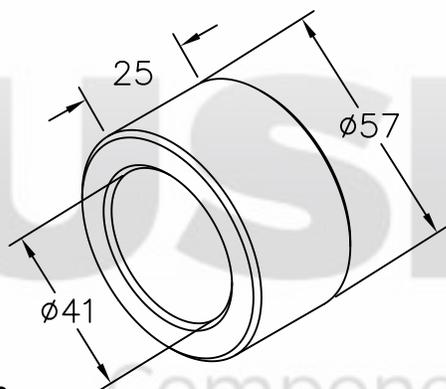
**81.89**  
Sapata inferior do TE



**82.07**  
Semi-mancal do pino da balança do SR  
com  $\varnothing$  50mm



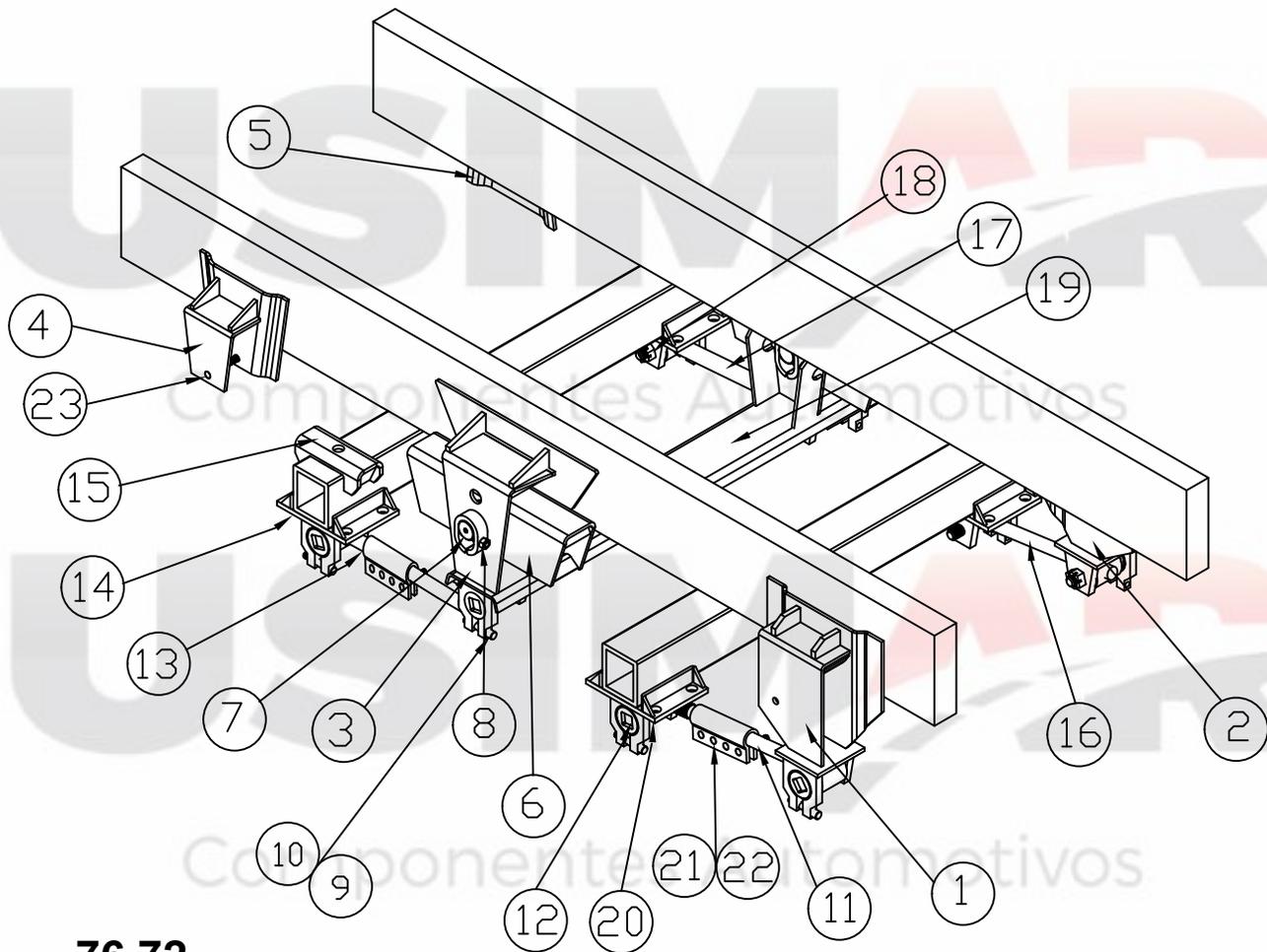
**82.80**  
Mancal externo do pino da  
balança  $\varnothing$  50mm



**83.06**  
Mancal externo pino do suporte traseiro



# RODOVIÁRIA



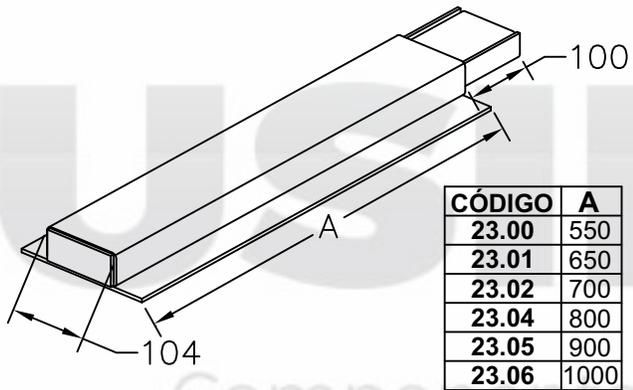
**76.72**

## Terceiro Eixo Randon/Rodoviária 99

Pino balança Ø 50mm e pino tensor cabeça Ø 62mm

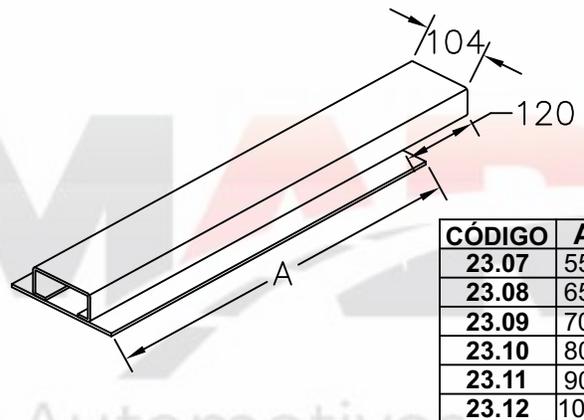
N°	Qtd.	Código	Denominação
01	01	71.46	Suporte dianteiro LD
02	01	71.47	Suporte dianteiro LE
03	02	73.68	Suporte central
04	01	71.83	Suporte traseiro LD
05	01	71.84	Suporte traseiro LE
06	02	70.06	Balança
07	02	40.01	Pino da balança
08	04	41.18	Contrapino do mancal + arruela pressão 5/8"
09	08		Parafuso 1/2" x 3 1/2"
10	08		Porca 1/2"
11	01	60.50	Tensor reg. diant. 820mm
12	08	41.04	Pino do tensor
13	01	60.52	Tensor reg. traseiro 630mm
14	02	81.89	Sapata eixo oco
15	02	81.08	Sapata do 3° eixo
16	01	60.52	Tensor fixo diant. 820mm
17	01	60.53	Tensor fixo traseiro 630mm
18	08	50.04	Porca castelo
19	01	74.40	Travessa de ligação
20	02	80.48	Sapata inferior de tração
21	08		Parafuso 5/8" x 3"
22	12		Porca 5/8"
23	04		Parafuso 5/8" x 5"

# GUERRA



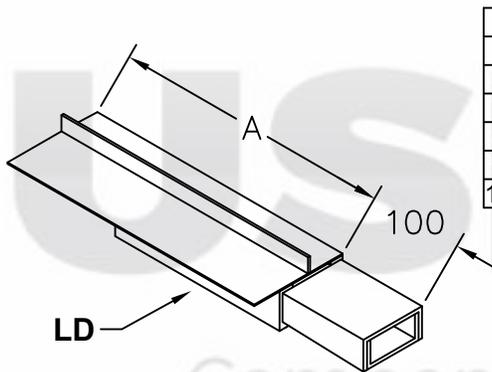
CÓDIGO	A
23.00	550
23.01	650
23.02	700
23.04	800
23.05	900
23.06	1000

Fueiro superior do SR graneleira



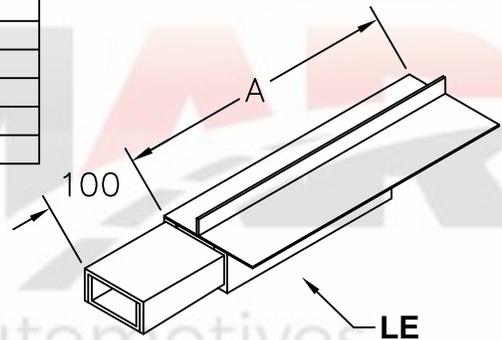
CÓDIGO	A
23.07	550
23.08	650
23.09	700
23.10	800
23.11	900
23.12	1000

Fueiro inferior do SR graneleira

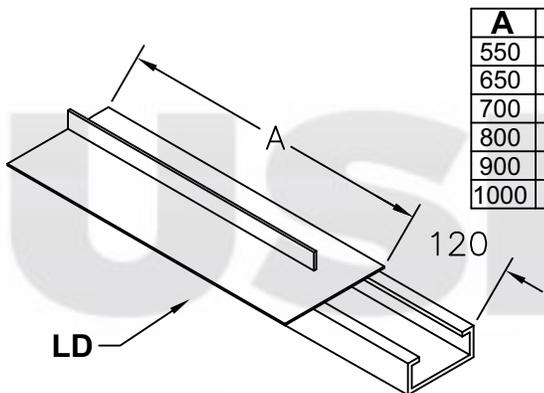


A	DIREITO	ESQUERDO
550	23.13	23.19
650	23.14	23.20
700	23.15	23.21
800	23.16	23.22
900	23.17	23.23
1000	23.18	23.24

Fueiro superior traseiro do SR

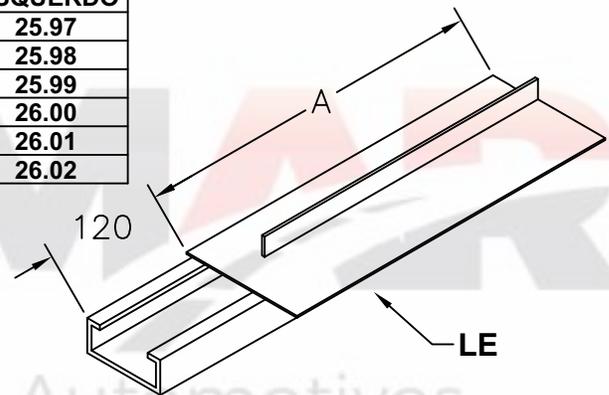


LE

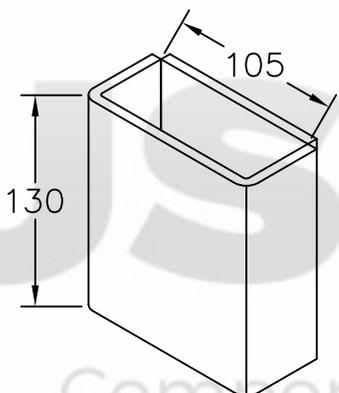


A	DIREITO	ESQUERDO
550	25.91	25.97
650	25.92	25.98
700	25.93	25.99
800	25.94	26.00
900	25.95	26.01
1000	25.96	26.02

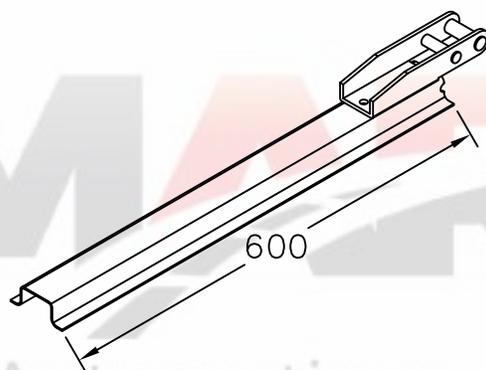
Fueiro inferior traseiro do SR



LE

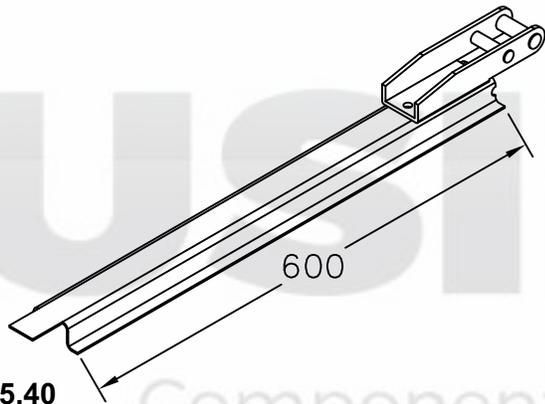


25.23  
Caixa do fueiro do SR

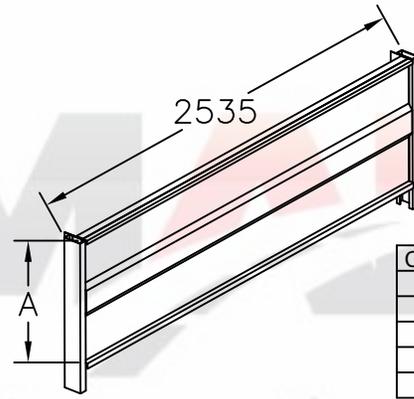


25.39  
Dobradiça inferior da tampa 700 mm do SR

# GUERRA

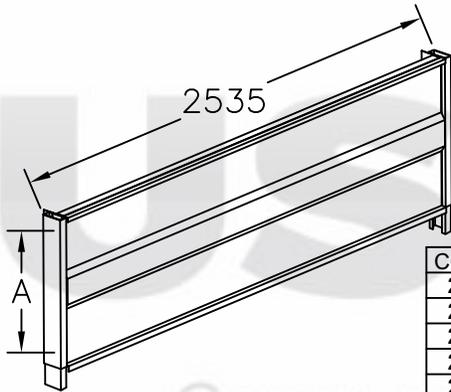


**25.40**  
Dobradiça superior da tampa 700 mm do SR



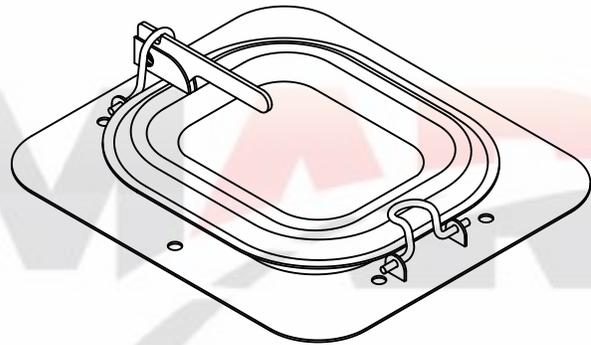
Peito inferior do SR modelo 96

CÓDIGO	A
26.03	700
26.04	650
26.05	600
25.59	800
26.06	975

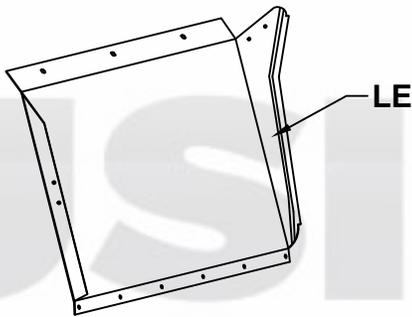


Peito superior do SR modelo 96

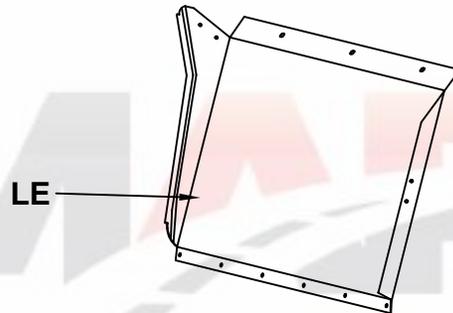
CÓDIGO	A
26.07	700
26.08	650
26.09	600
25.60	800
26.10	975



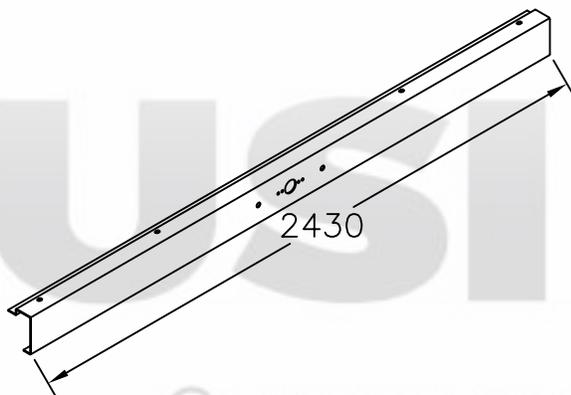
Boca para escoamento da graneleira  
**21.84** - Normal  
**21.86** - Em nylon(Tecno 5)



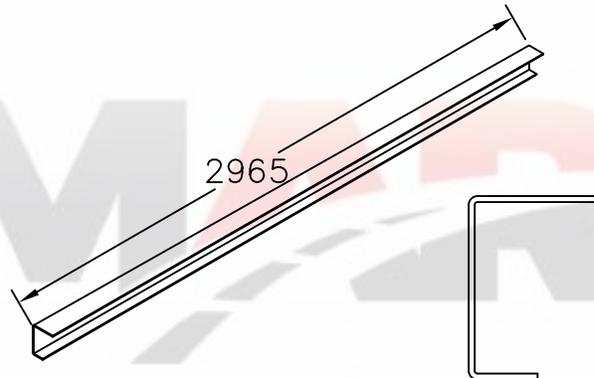
Pára-lama dianteiro  
**21.94** - LD  
**21.95** - LE



Pára-lama traseiro do SR  
**21.97** - LD  
**21.98** - LE

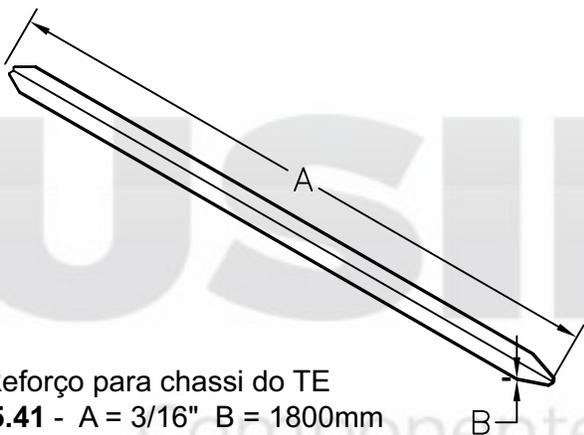


**25.25**  
Frente do SR



**25.38**  
Lateral do SR bitrem 2010

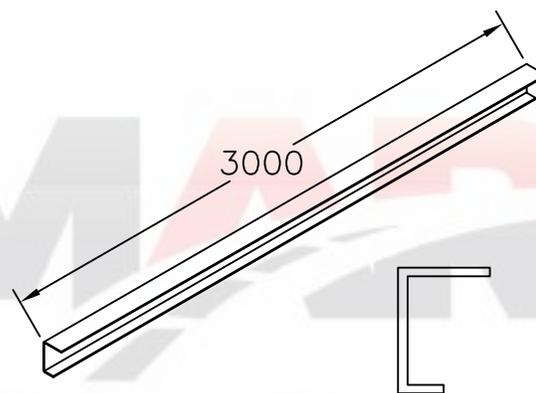
# GUERRA



Reforço para chassi do TE

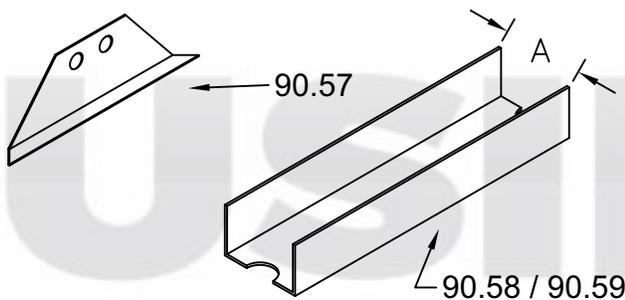
**25.41** - A = 3/16" B = 1800mm

**25.42** - A = 3/16" B = 1995mm



**25.56**

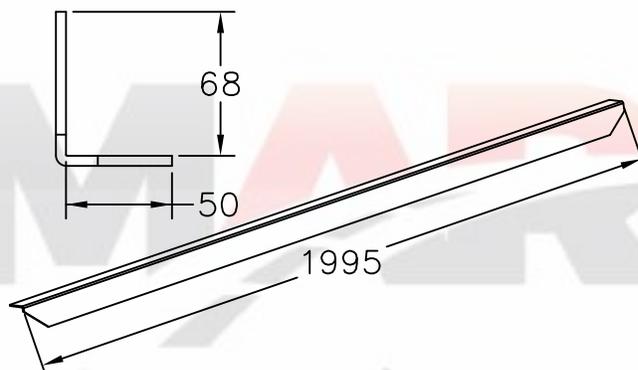
Lateral do SR



**90.57** - Lateral da travessa dupla

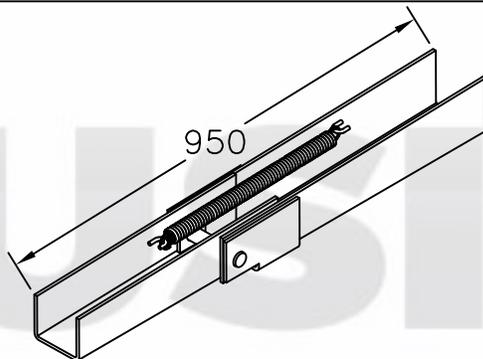
**90.59** - U da travessa dupla TE 1113 A=130mm

**90.58** - U da travessa dupla TE 1313 e 1513  
A=150mm



**90.62**

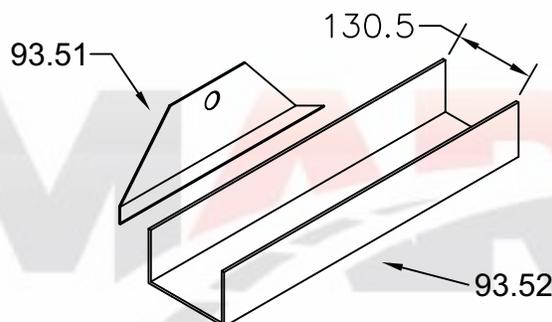
Reforço do terceiro eixo



Suporte do pára-choque do SR

**91.70** - A = 950mm

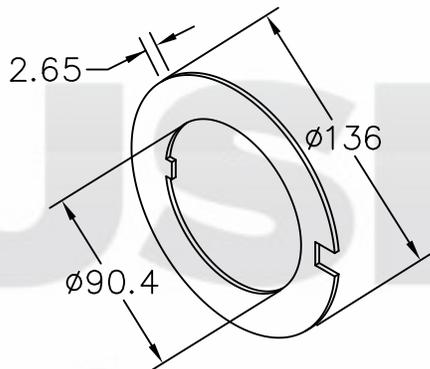
**92.42** - A = 1115mm (especial)



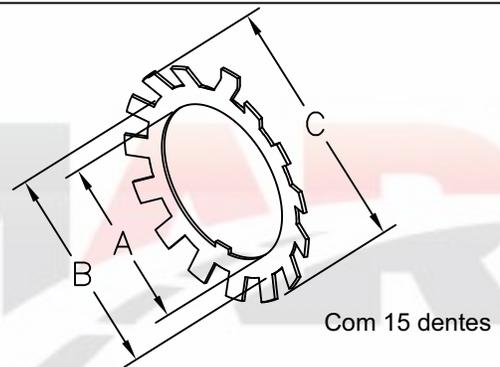
**93.51** - Lateral da travessa

**93.52** - U da travessa

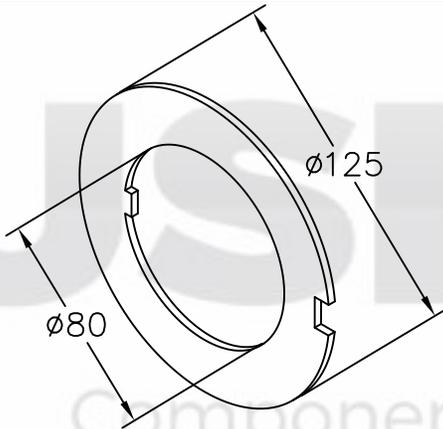
# GUERRA



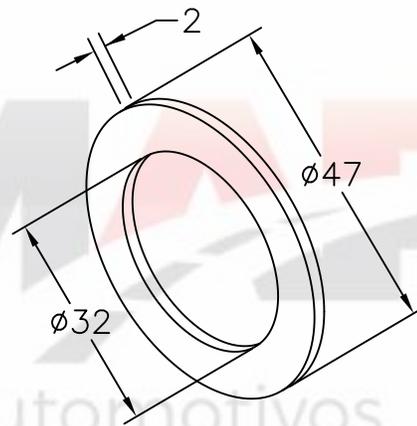
**30.04**  
Arruela do eixo do SR



Arruela dentada do eixo do SR  
**30.05** - A =  $\varnothing 90$ mm B =  $\varnothing 118$ mm C = 144mm  
**30.06** - A =  $\varnothing 80$ mm B =  $\varnothing 108$ mm C = 137mm

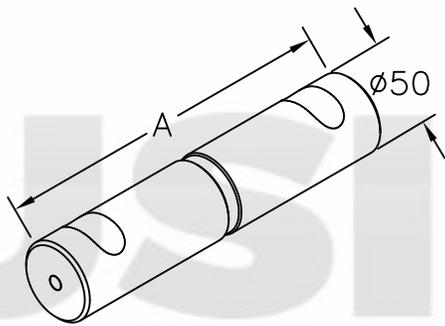


**31.12**  
Arruela lisa do TE



**31.17**  
Arruela do pino da sapata do freio

# GUERRA

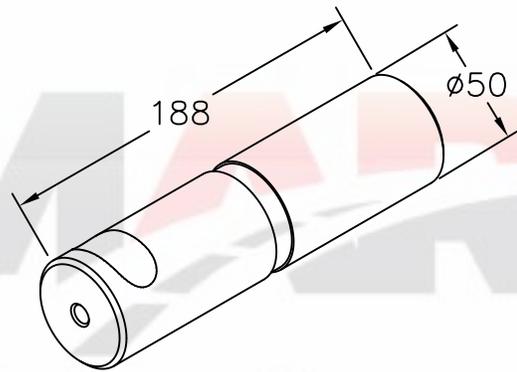


Pino da balança do SR

**40.28** -  $A = 232\text{mm}$

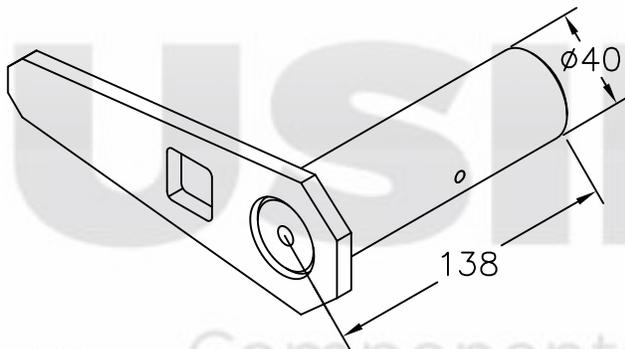
**40.29** -  $A = 250\text{mm}$

**40.30** -  $A = 225\text{mm}$



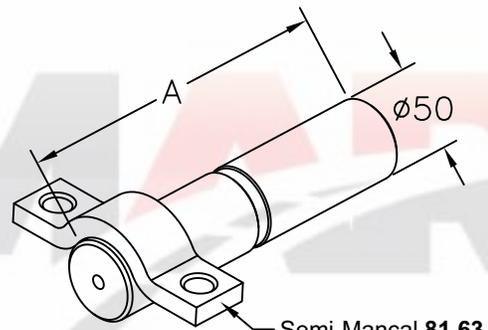
**40.31**

Pino da balança do TE LS



**40.32**

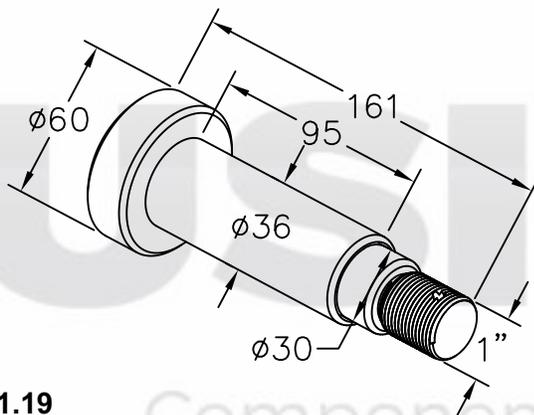
Pino do suporte traseiro do TE modelo 97



Pino da balança

**40.33** -  $A = 220\text{mm}$  (TE)

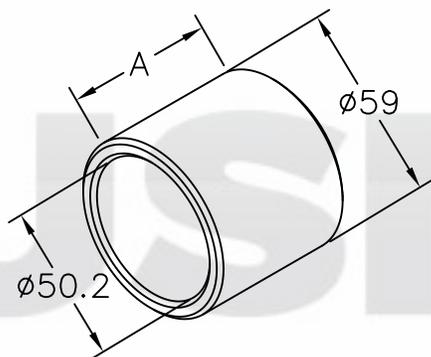
**40.34** -  $A = 228\text{mm}$  (SR)



**41.19**

Pino tensor do TE ou SR

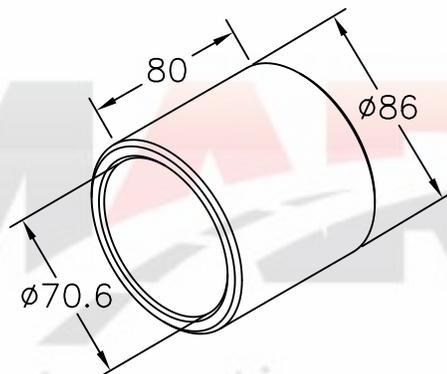
# GUERRA



Bucha interna da balança do TE LS

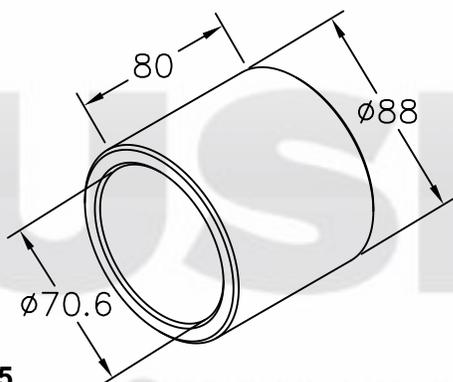
50.07 - A = 45mm

50.08 - A = 110mm



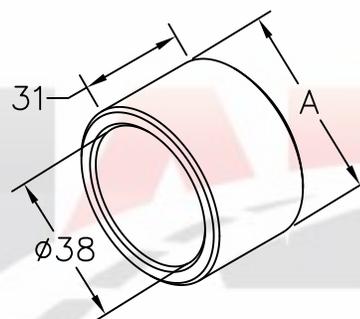
50.14

Bucha para luva do tensor



50.15

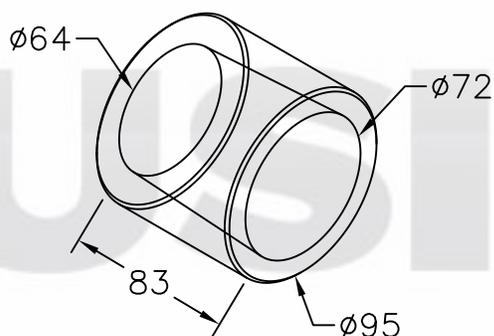
Bucha da ponteira do tensor para bucha molecular



Bucha de ferro do varão do "S" do SR

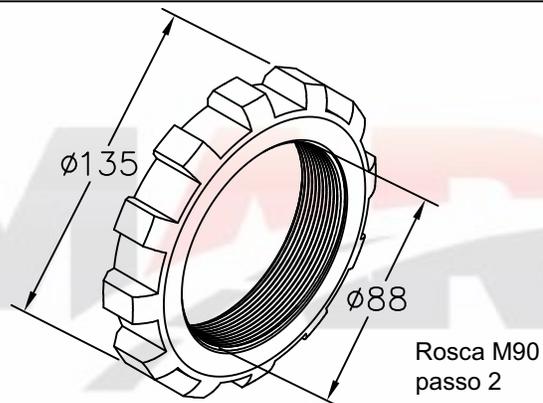
50.69 - A = Ø48mm

51.34 - A = Ø47mm



50.70

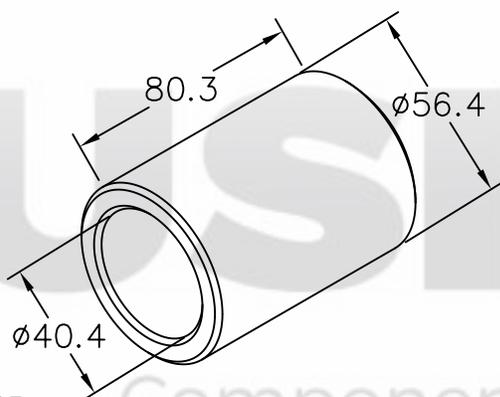
Bucha cônica do pino rei



51.04

Porca castelo para eixo do SR

Rosca M90  
passo 2



51.05

Bucha do pino do suporte traseiro do TE

# GUERRA

Bucha 50.15

60.87 (RE)

61.34

60.86 (RD)

442

Tensor para bucha molecular do SR

**60.74** - Regulável

**62.25** - Fixo

Bucha 50.15

Luva 61.34

Tensor para bucha molecular

REGULÁVEL	FIXO
<b>61.11</b> - A = 580mm	<b>61.12</b> - A = 580mm
<b>61.77</b> - A = 632mm	
<b>60.72</b> - A = 700mm	<b>62.24</b> - A = 700mm
<b>62.23</b> - A = 770mm	<b>62.09</b> - A = 770mm

Bucha 50.15

61.23 (RE)

61.24 (RD)

A

Tensor com luvas Fundidas

REGULÁVEL	FIXO
<b>61.15</b> - A = 480mm	<b>61.14</b> - A = 480mm
<b>62.08</b> - A = 320mm	
<b>62.01</b> - A = 315mm	<b>61.52</b> - A = 315mm

335

31,7

Rosca passo 2,5mm

**61.25**

Fuso do tensor

172

36,3

Rosca 10 Fpp

**61.30**

Luva do tensor do TE ou SR

Rosca 10 Fpp

Bucha 50.15

208

31,4

Ponteira do tensor

**61.33** - A = 208mm TE (RE)

**61.32** - A = 352mm TE (RD)

**61.87** - A = 450mm SR (RD)

**62.26** - A = 472mm SR (RD)

**62.27** - A = 542mm SR (RD)

152

29

Rosca 10 Fpp

**61.34**

Luva fundida do tensor

Rosca 10 Fpp

Bucha 50.13

A

38,4

Ponteira do tensor para TE

**61.35** - A = 465mm (RD)

**61.75** - A = 405mm (RD)

**61.01** - A = 215mm (RE)

**62.22** - A = 376mm (RD)

# GUERRA

Bucha 50.15

61.23 (RE)

61.76 (315mm)

435

61.24 (RD)

Tensor do Bitrem

61.47 - Fixo

61.41 - Regulável

Bucha 50.13

Luva 61.30

A

Tensor do Terceiro eixo

REGULÁVEL	FIXO
61.50 - A = 611mm	61.74 - A = 611mm
61.44 - A = 640mm	62.20 - A = 640mm
60.71 - A = 700mm	62.18 - A = 700mm
62.21 - A = 795mm	62.19 - A = 795mm

Bucha 50.15

Luva 61.34

640

Tensor do TE LS para bucha Nakata

REGULÁVEL	FIXO
61.67 - A = 640mm	61.98 - A = 640mm
61.99 - A = 590mm	62.00 - A = 590mm

126

80

Luva do tensor com rosca do bitrem

61.79 - RE

61.80 - RD

61.23 (RE)

61.24 (RD)

A

Tensor regulável especial luvas fundidas

61.90 - A = 520mm

61.91 - A = 580mm

Bucha 50.15

680

61.34

Tensor regulável do TE LS especial MB 1935

62.03 - Regulável

62.04 - Fixo

450

Bucha 50.15

62.83

Tensor fixo do SR

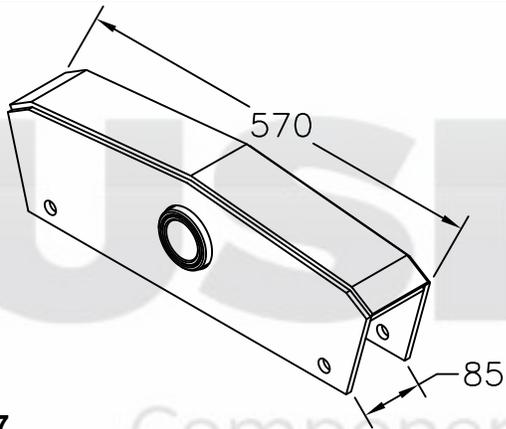
450

Bucha 50.15

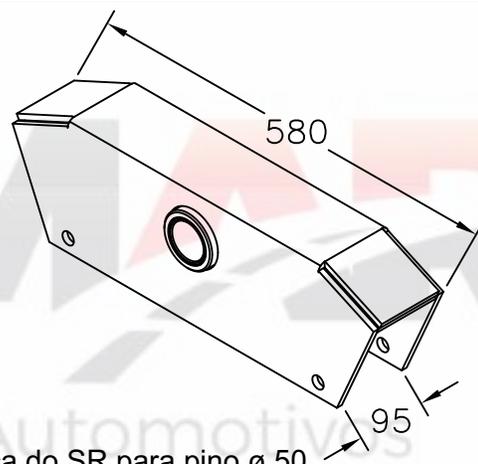
62.83

Tensor fixo do SR

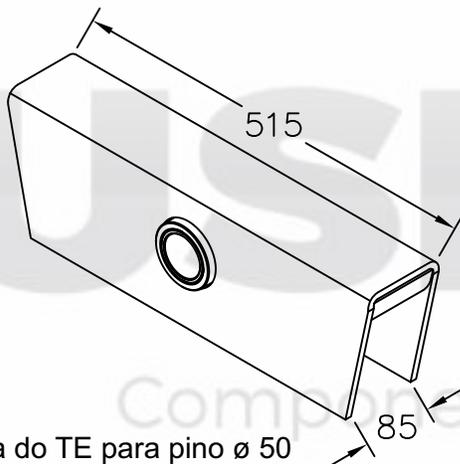
# GUERRA



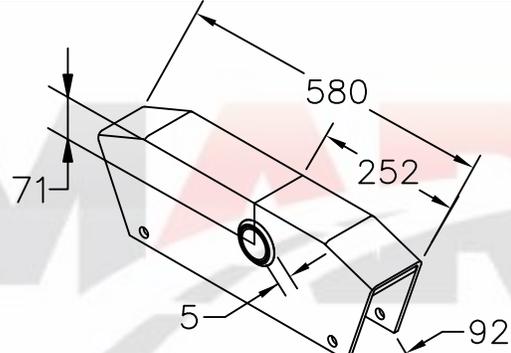
**70.37**  
Balança do TE para pino  $\varnothing$  50mm



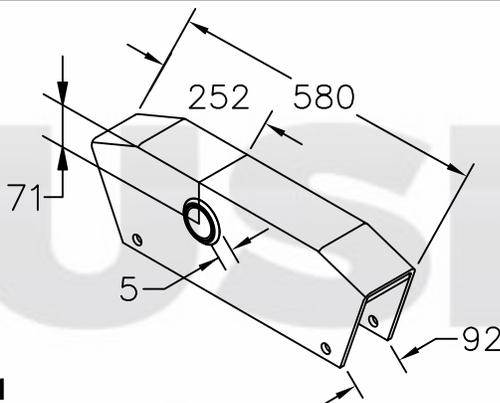
**70.38**  
Balança do SR para pino  $\varnothing$  50



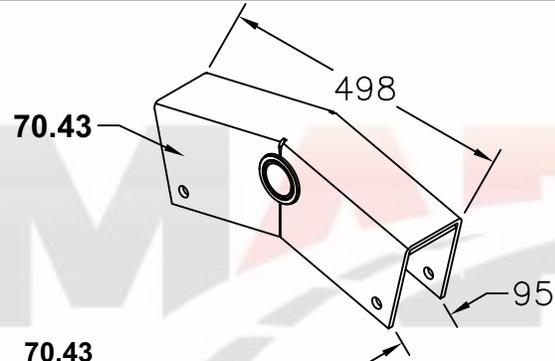
**70.39**  
Balança do TE para pino  $\varnothing$  50



**70.40**  
Balança LD do TE LS para pino  $\varnothing$  50 -Volvo, EDC, Iveco, Scania, MB 1938

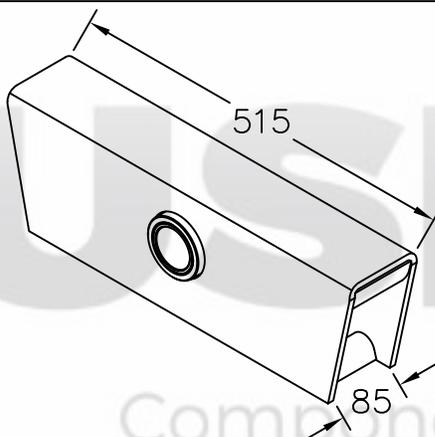


**70.41**  
Balança LE do TE LS para pino  $\varnothing$  50 -Volvo, EDC, Iveco, Scania, MB 1938

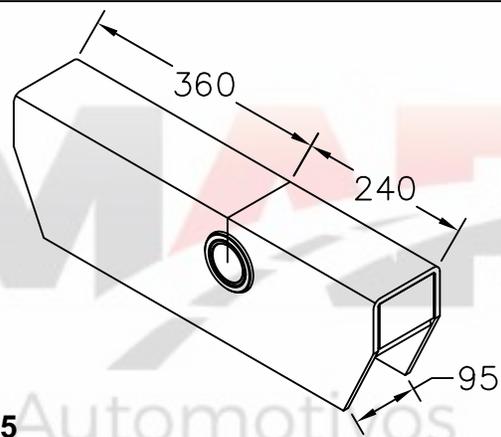


**70.43**  
Balança do SR p/ pino  $\varnothing$  50mm (DOBRADA)

**74.11**  
Balança do SR p/ pino  $\varnothing$  50mm(TAMPA SOLDADA)

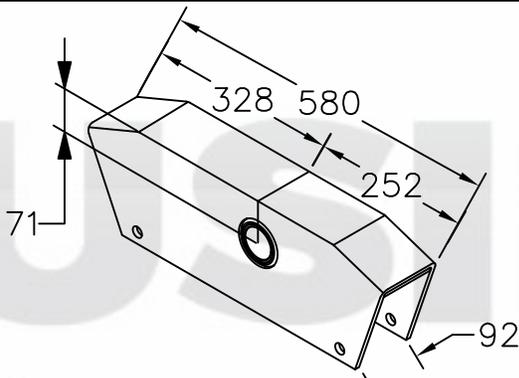


**70.44**  
Balança do TE mod. 97 para pino  $\varnothing$  50 mm



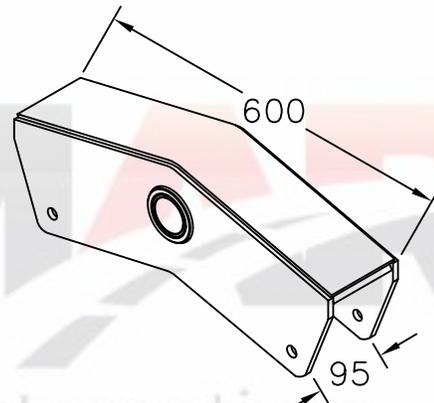
**70.45**  
Balança do TE LS p/ pino  $\varnothing$  50mm Mercedes 1938

# GUERRA



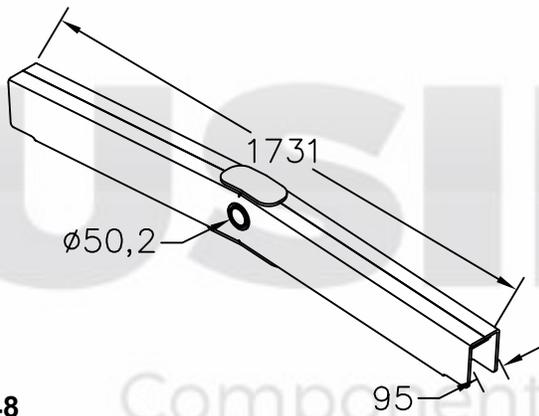
**70.46**

Balança para pino  $\varnothing$  50mm TE LS  
Para Volvo NH380 / FH12.



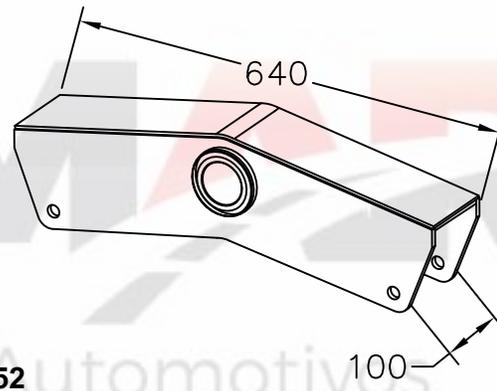
**70.47**

Balança c/ 600mm pino  $\varnothing$ 50 TE LS MB 1934



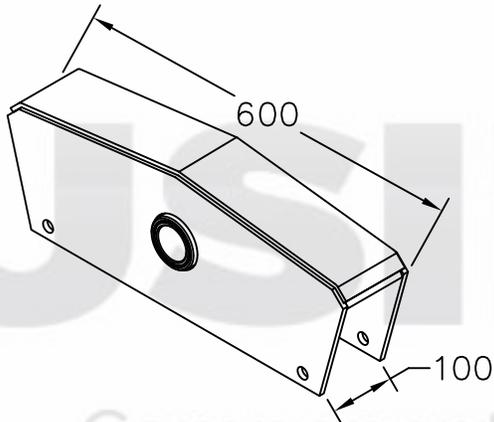
**70.48**

Balança do SR 2 eixos distanciada mod.2011



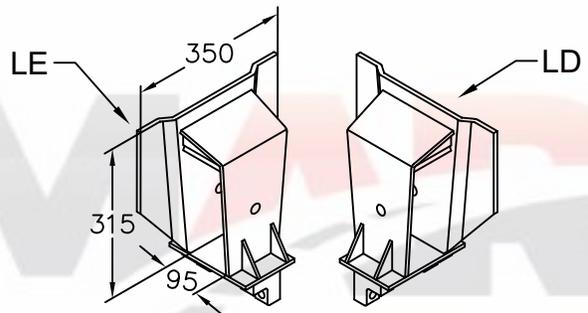
**74.52**

Balança LS mola de 100 para pino  $\varnothing$  60mm



**75.33**

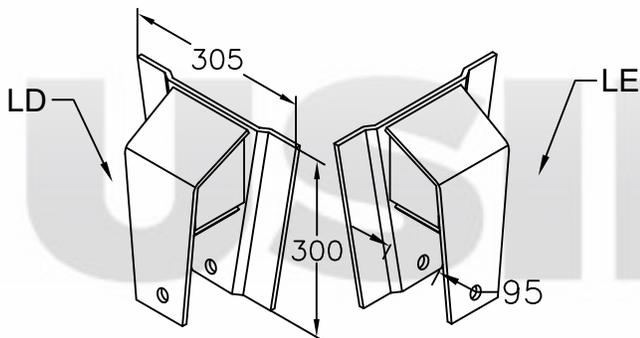
Balança do SR para pino  $\varnothing$  50mm



Suporte dianteiro do TE LS MB 1938

**71.69 - LE**

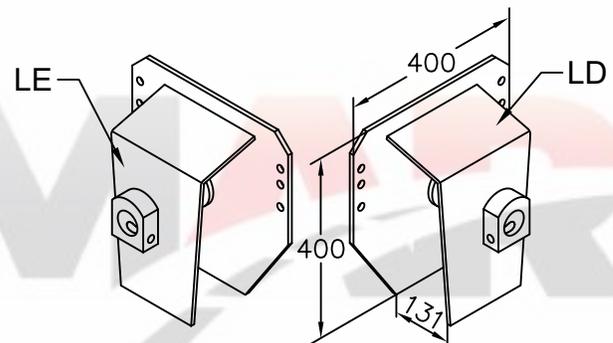
**71.70 - LD**



Suporte traseiro do TE MB 1935/1938

**71.72 - LD**

**71.71 - LE**

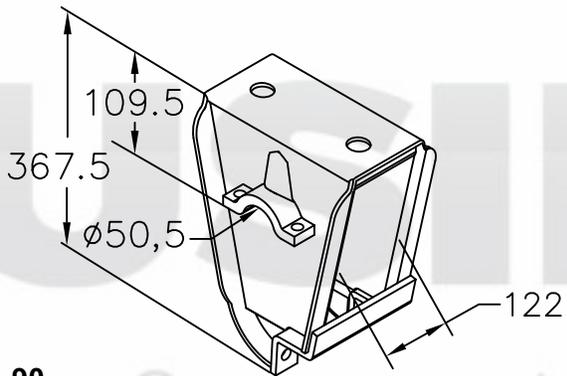


Suporte central do TE LS MB 1938

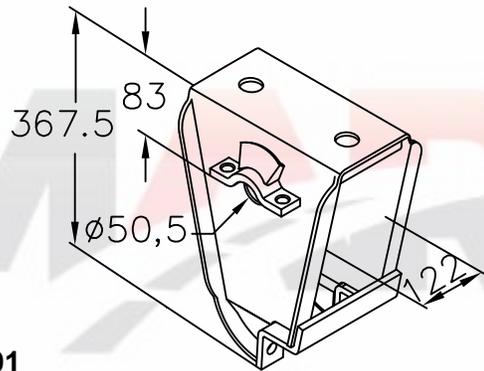
**71.73 - LE**

**71.74 - LD**

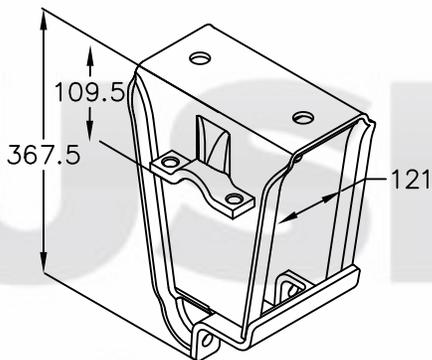
# GUERRA



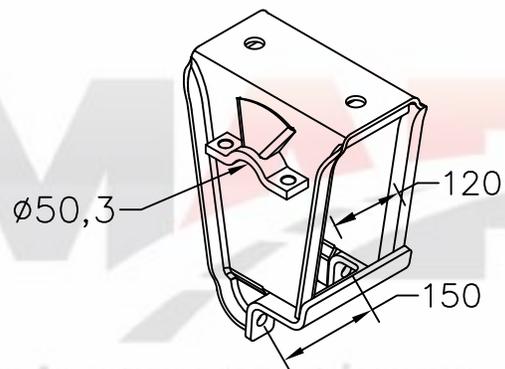
**71.90**  
Suporte central do SR



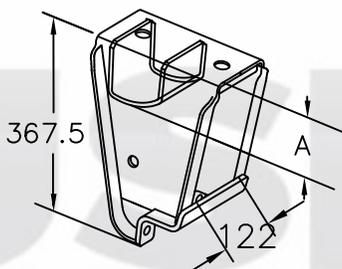
**71.91**  
Suporte central do Bitrem 1º reboque modelo novo



**74.71**  
Suporte central SR 2 eixos distanciado mod. 2011

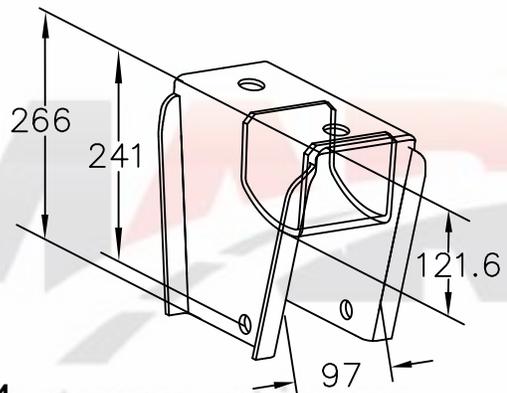


**77.38**  
Suporte central do SR versão nova sem estampo

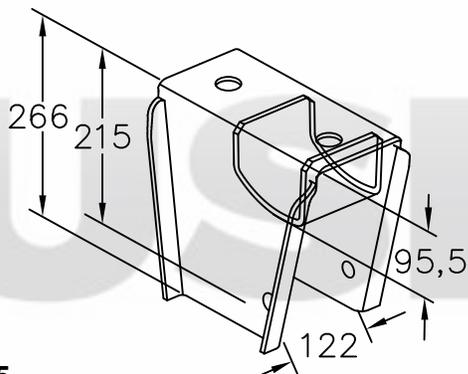


**71.92**  
Suporte dianteiro do SR A = 121,6mm

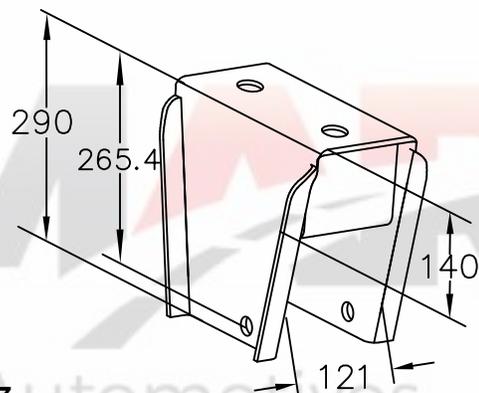
**71.93**  
Suporte dianteiro do Bitrem 1º reboque modelo novo A = 95,6mm



**71.94**  
Suporte traseiro do SR

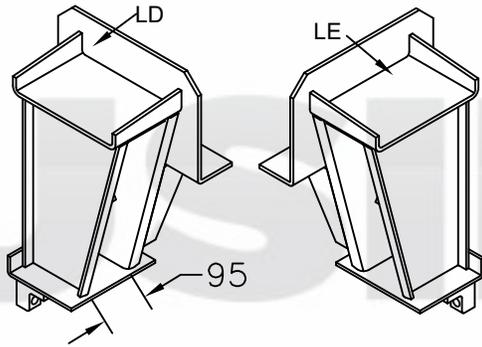


**71.95**  
Suporte traseiro do Bitrem 1º reboque modelo novo

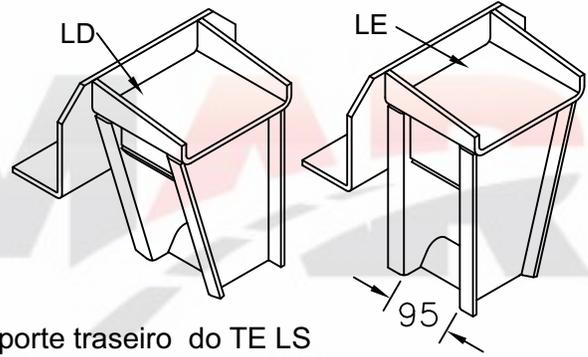


**71.97**  
Suporte traseiro do SR 02 eixos distanciado

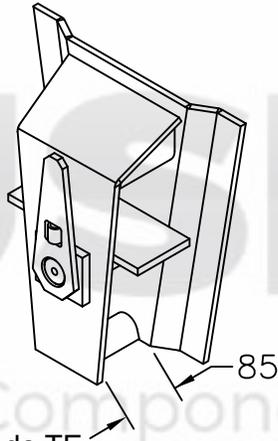
# GUERRA



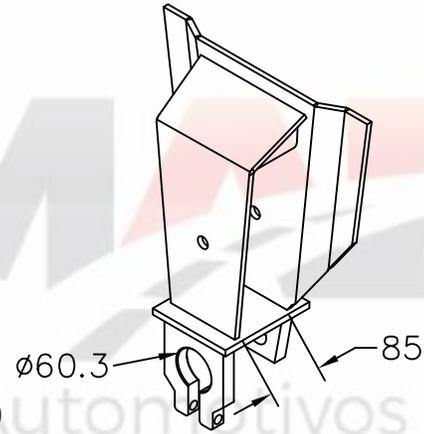
Suporte dianteiro do TE LS  
**71.98 - LD**  
**71.99 - LE**



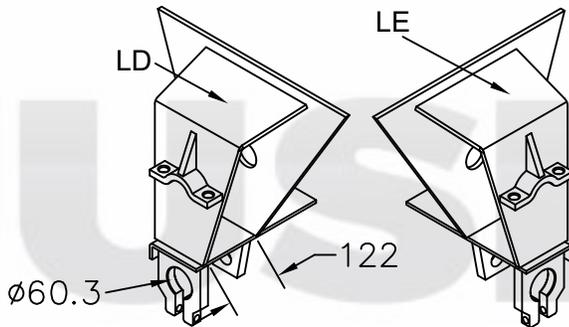
Suporte traseiro do TE LS  
**72.00 - LD**  
**72.01 - LE**



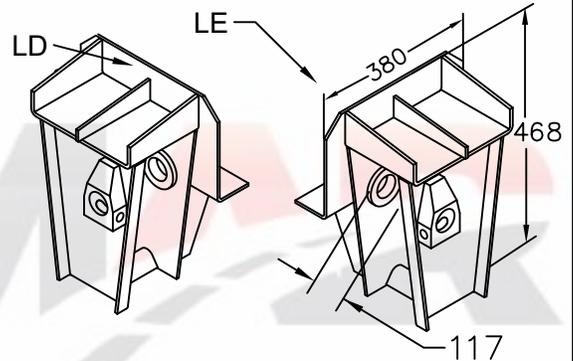
**72.39**  
 Suporte traseiro do TE



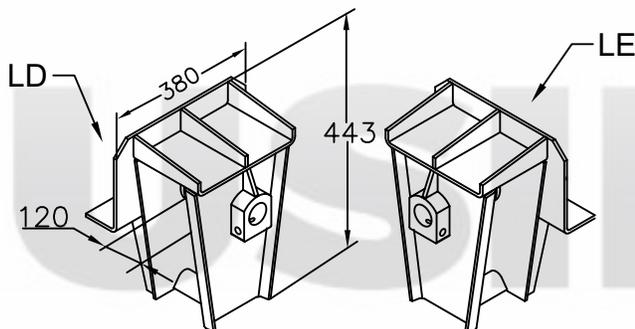
**72.40**  
 Suporte dianteiro do TE



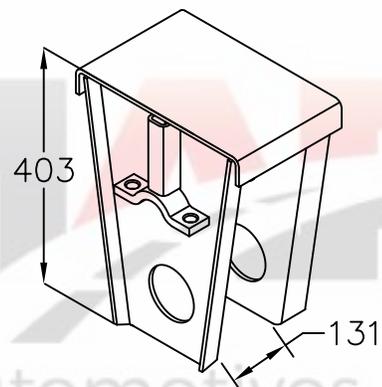
Suporte central do TE para pino Ø50mm  
**72.41 - LD**  
**72.42 - LE**



Suporte central TE LS p/ pino Ø50mm (SC 113)  
**72.48 - LE**  
**72.49 - LD**

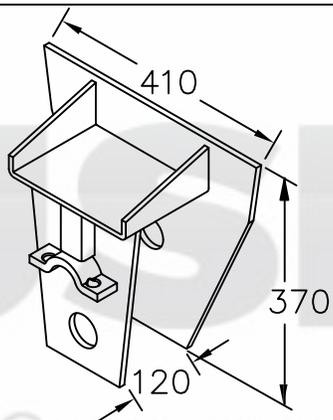


Suporte central do TE LS Scania 124  
**72.61 - LD**  
**72.60 - LE**



**72.62**  
 Suporte central da cadeira do SR

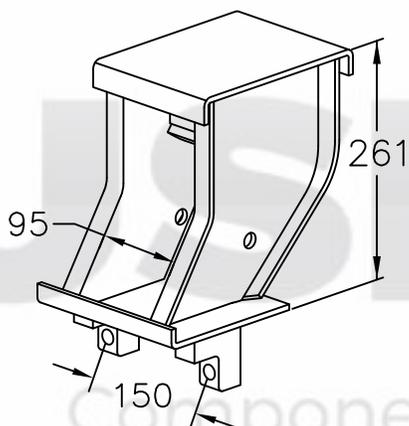
# GUERRA



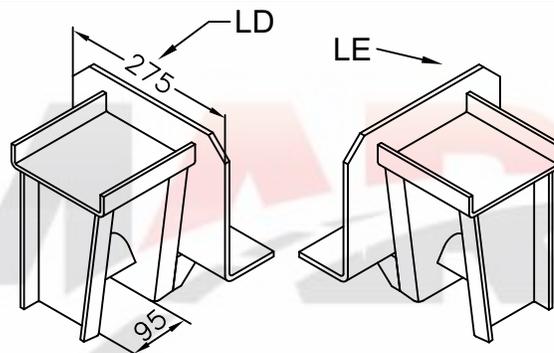
**72.68**  
Suporte central do TE para pino Ø50mm



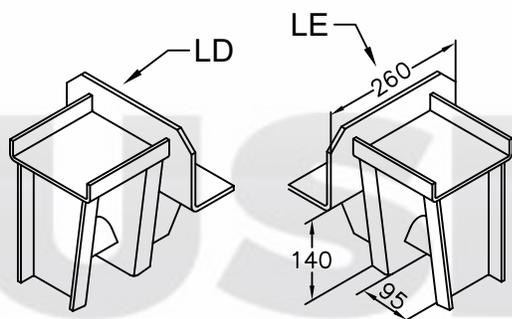
**72.87**  
Suporte dianteiro do SR



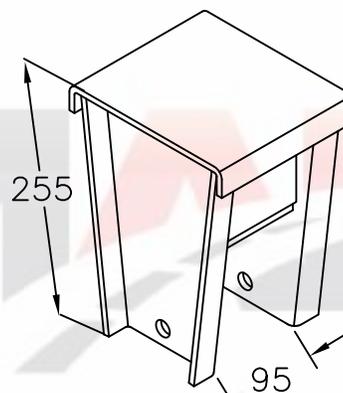
**72.88**  
Suporte dianteiro do Bitrem 1º reboque modelo 97



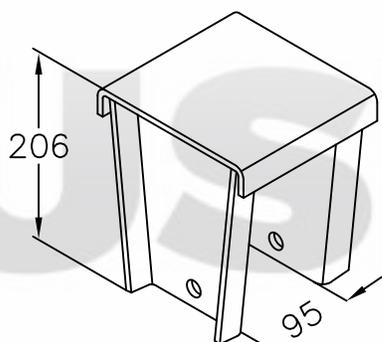
Suporte dianteiro TE LS Volvo FH12-380  
**73.02 - LD**  
**73.03 - LE**



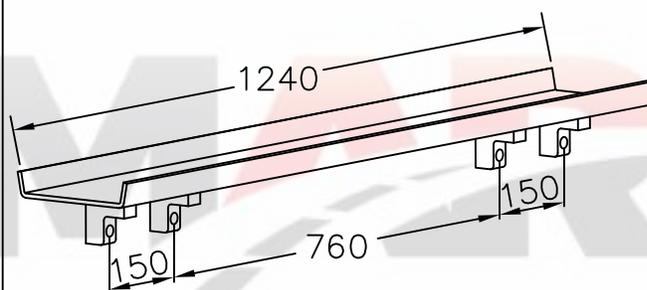
Suporte traseiro TE LS Volvo FH12-380  
**73.05 - LD**  
**73.04 - LE**



**73.19**  
Suporte traseiro do SR

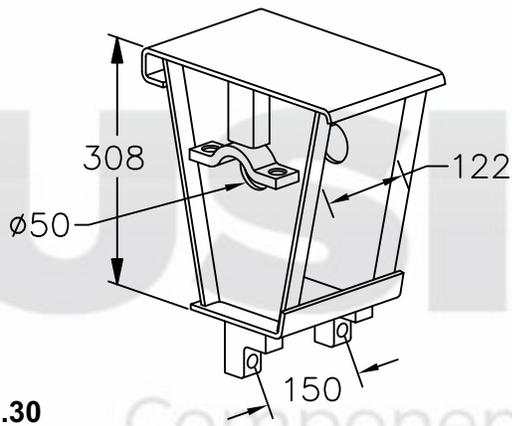


**73.20**  
Suporte traseiro Bitren 1º reboque Modelo 97 e Charger

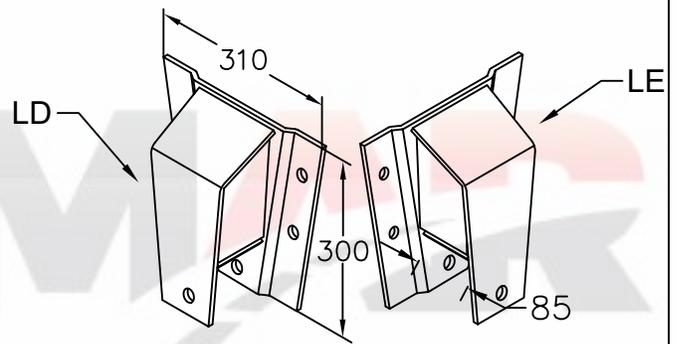


**73.23**  
Travessa de ligação da suspensão do TE

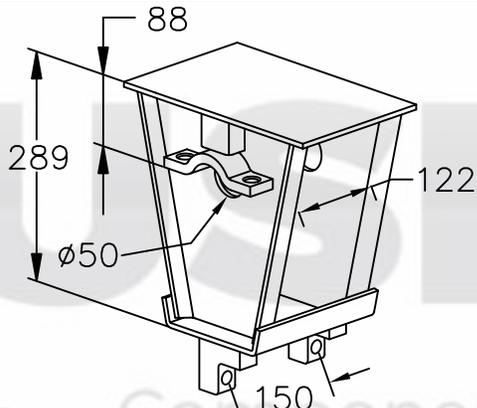
# GUERRA



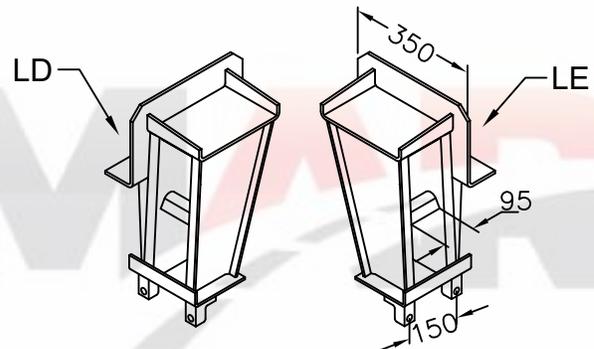
**73.30**  
Suporte central do SR para pino Ø50mm



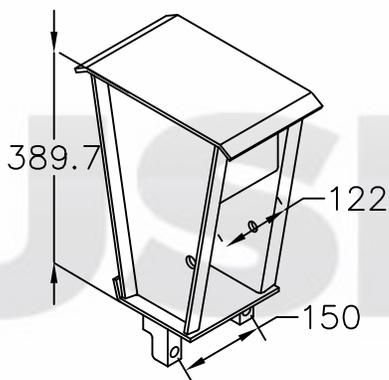
Suporte traseiro do TE  
**73.42 - LD**  
**73.43 - LE**



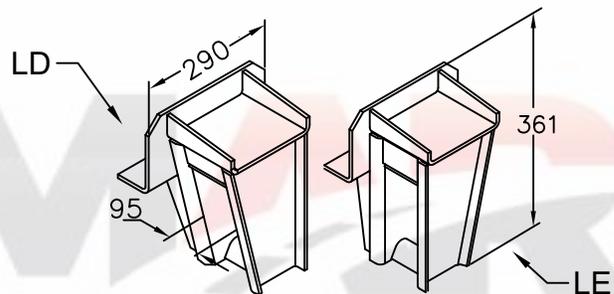
**73.45**  
Suporte central do Bitrem 1º reboque



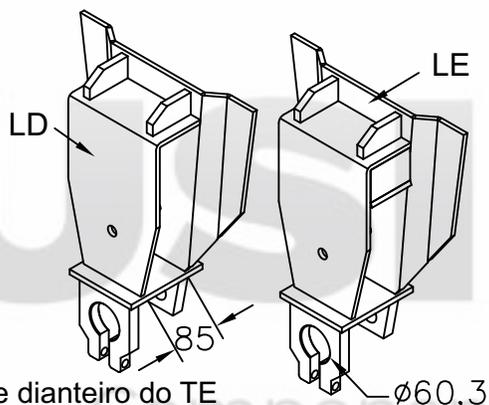
Suporte dianteiro do TE LS Scania 124  
**73.48 - LD**  
**73.49 - LE**



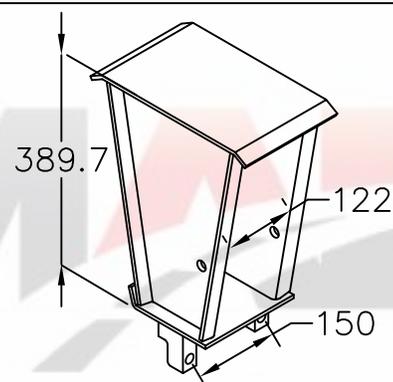
**74.49**  
Suporte dianteiro SR 2 eixos distanciado mod. 2011 s/ deslizante



Suporte traseiro do TE LS Scania 124  
**73.50 - LD**  
**73.51 - LE**

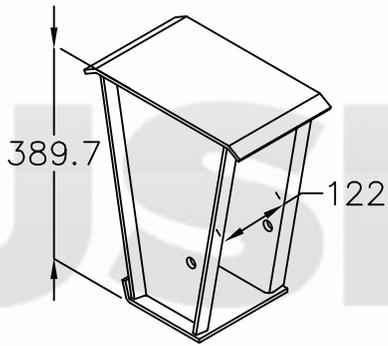


Suporte dianteiro do TE  
**73.80 - LD**  
**73.81 - LE**

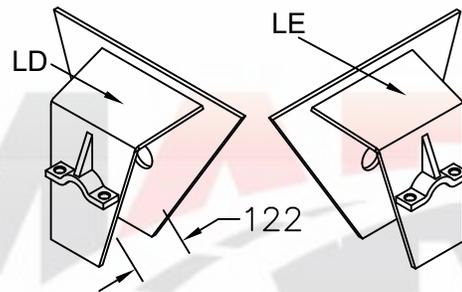


**73.84**  
Suporte guia traseiro SR 2 eixos distanciado mod. 2011

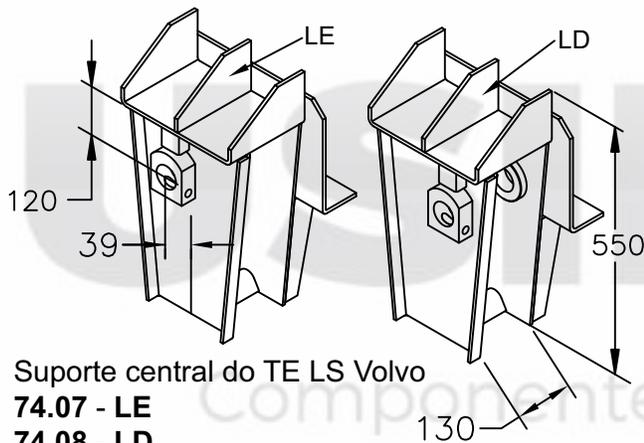
# GUERRA



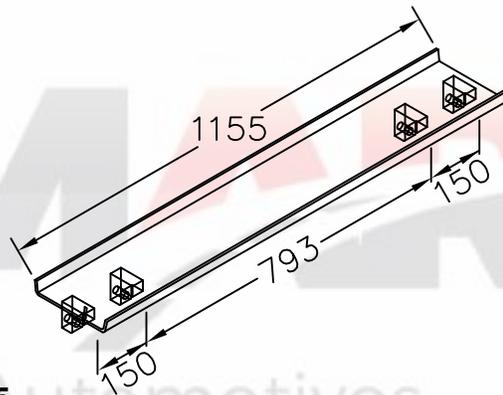
**74.99**  
Suporte guia transeiro SR 2 eixos distanciado mod. 2011



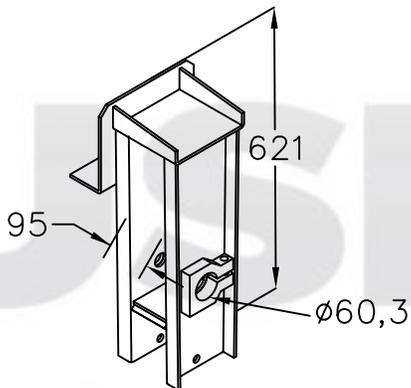
Suporte central do TE para pino Ø50mm s/ travessa/mancal  
**74.05 - LD**  
**74.06 - LE**



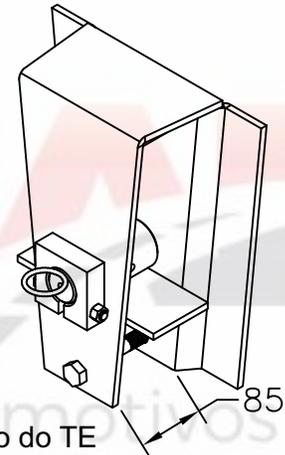
Suporte central do TE LS Volvo  
**74.07 - LE**  
**74.08 - LD**



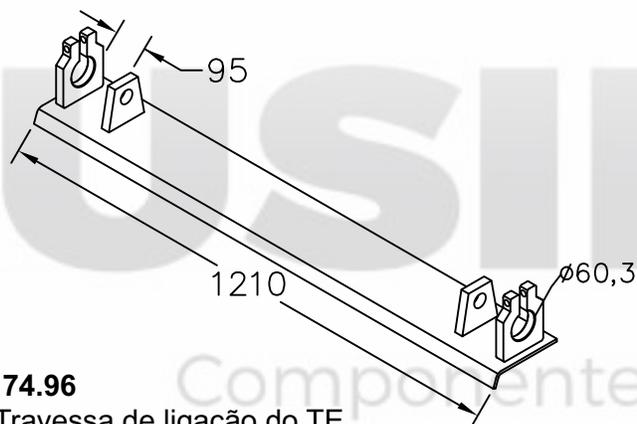
**74.25**  
Travessa de ligação do TE LS Scania 113 e 124



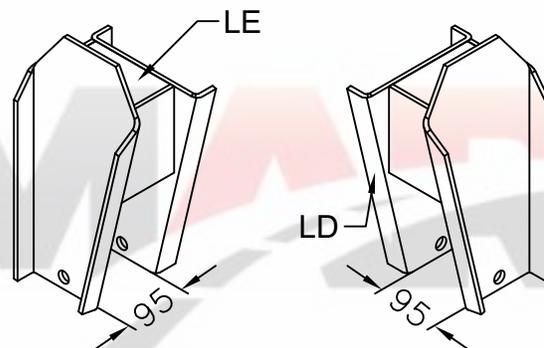
**74.27**  
Suporte do arrastão TE LS



**74.34**  
Suporte traseiro do TE

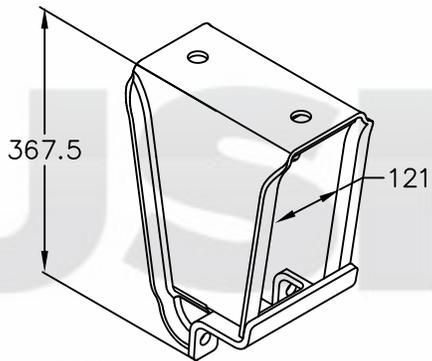


**74.96**  
Travessa de ligação do TE

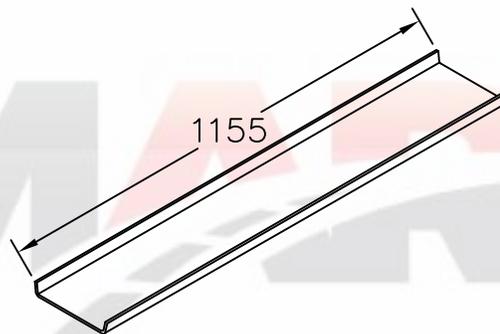


Suporte traseiro do SR modelo 87  
**75.06 - LD**  
**75.07 - LE**

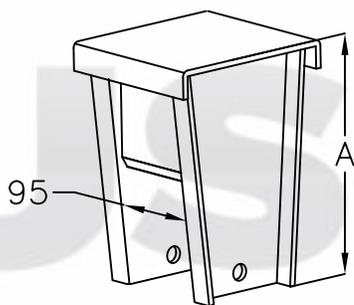
# GUERRA



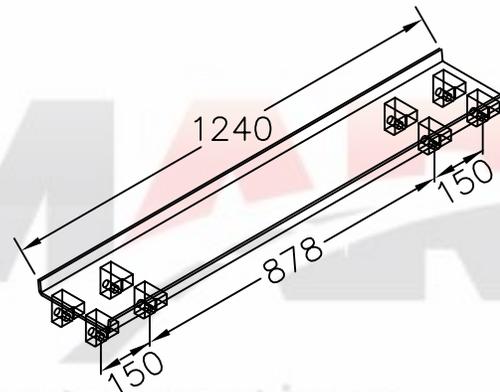
**75.32**  
Suporte guia estampado distanciado do SR



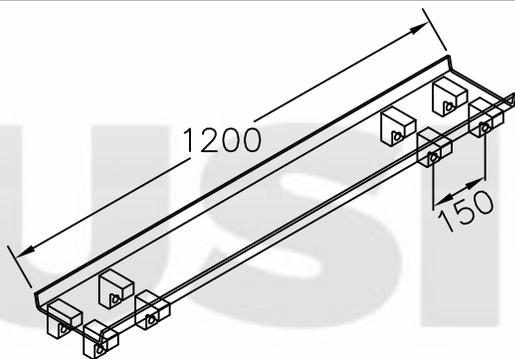
**75.60**  
Travessa de ligação LS do scania 124



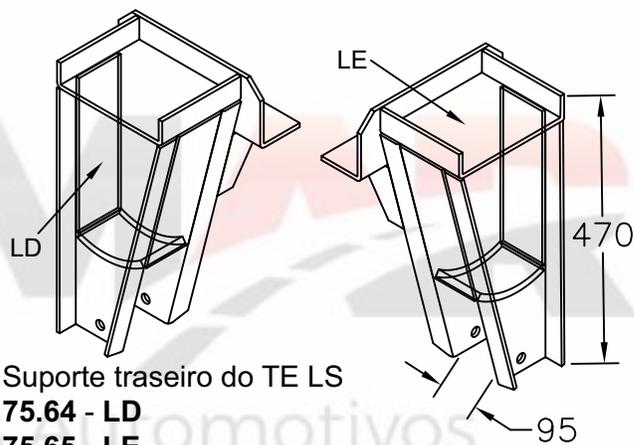
Suporte traseiro do SR  
**75.61** - A = 210mm  
**77.40** - A = 300mm



**75.62**  
Travessa de ligação da suspensão do TE LS do Volvo FH12/NH380

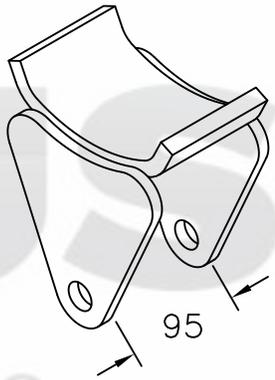


**75.63**  
Travessa de ligação da suspensão do TE volvo EDC/NL

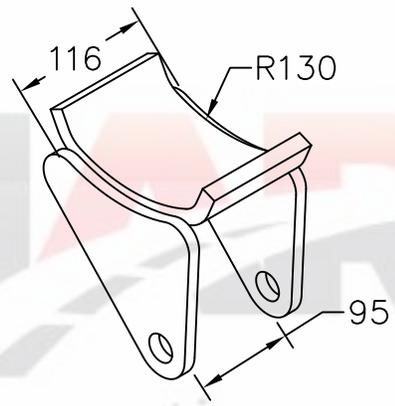


Suporte traseiro do TE LS  
**75.64** - LD  
**75.65** - LE

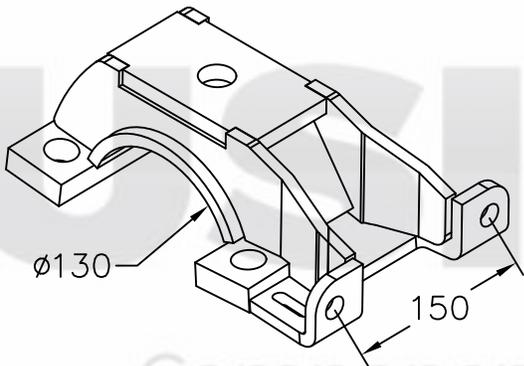
# GUERRA



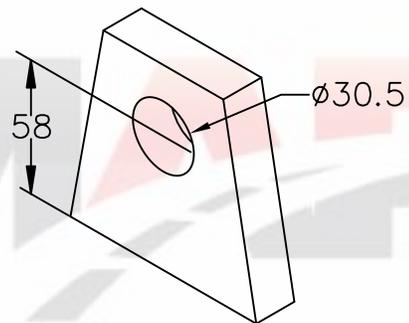
**80.04**  
Esfrega Móvel centralizada do SR



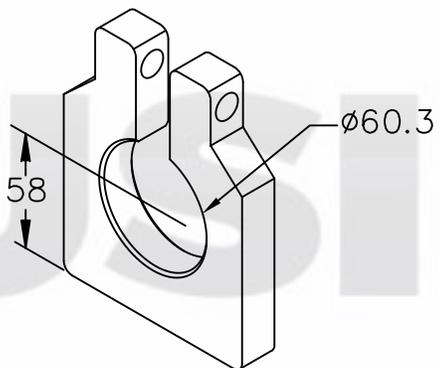
**80.05**  
Deslizante da Esfrega do Suporte Dian/Tras  
SR 2004



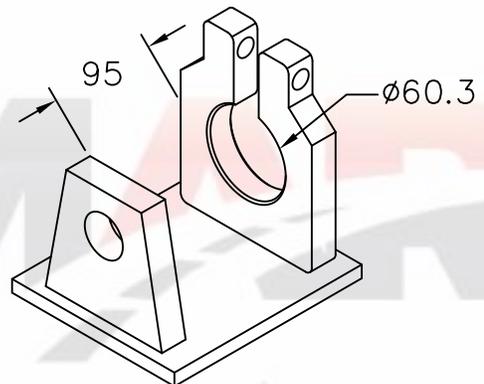
**80.35**  
Sapata superior p/ eixo redondo do SR



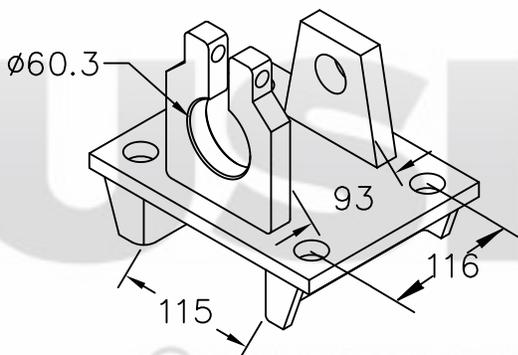
**80.44**  
Mancal interno do pino tensor do TE ou SR



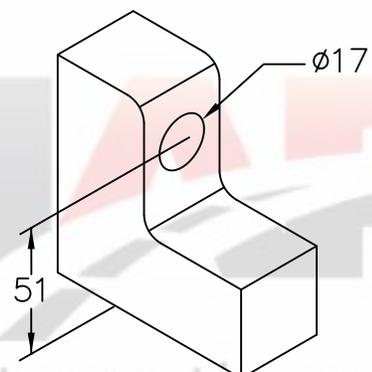
**80.65**  
Mancal externo do pino tensor do TE ou SR



**80.66**  
Mancal duplo reto do pino tensor

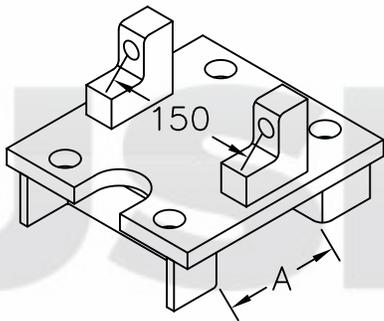


**80.67**  
Sapata do eixo maciço do SR



**80.68**  
Mancal do pino tensor do SR

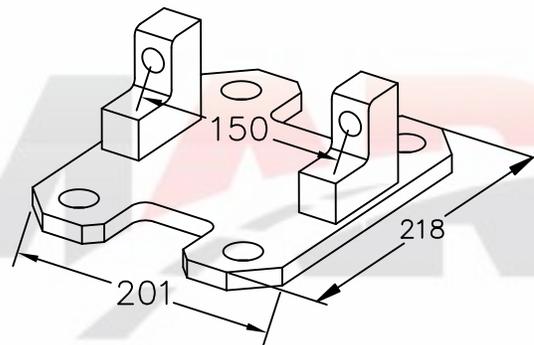
# GUERRA



Sapata do SR com mancais

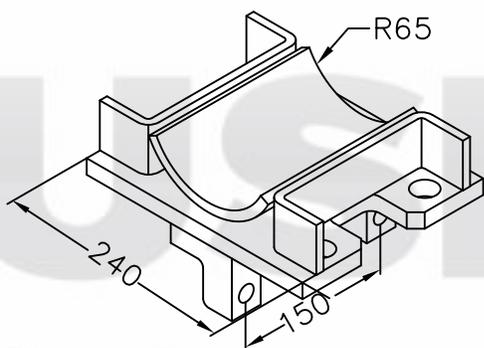
**80.69** - A = 112

**80.70** - A = 150



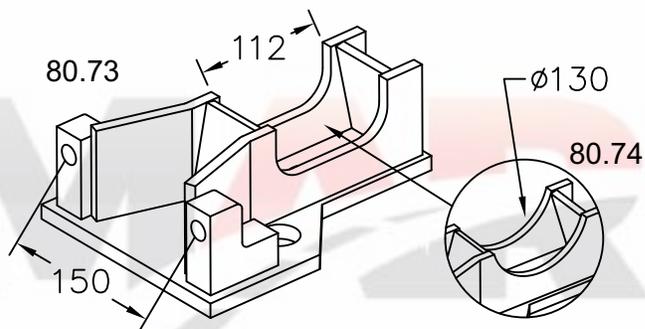
**80.71**

Sapata com mancais sem encaixe do eixo



**80.72**

Sapata inferior com mancais para eixo redondo do SR modelo 97

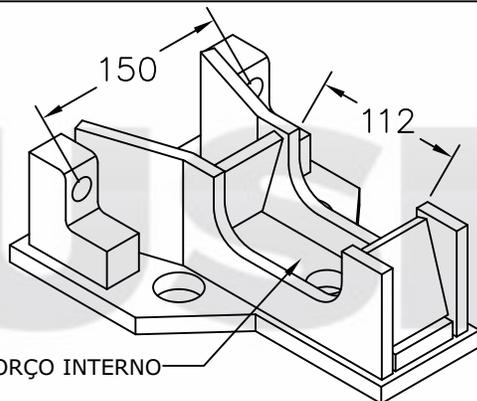


**80.73**

Sapata do SR com mancais

**80.73** - Eixo quadrado

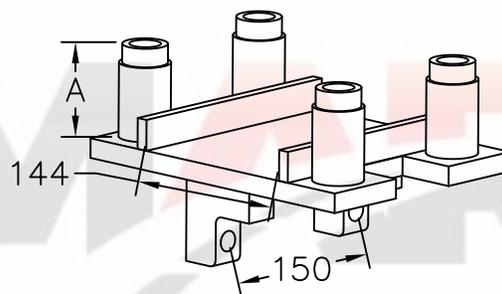
**80.74** - Eixo redondo



REFORÇO INTERNO

**80.75**

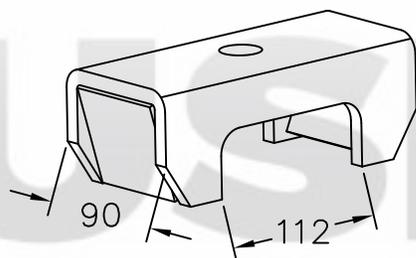
Sapata para eixo quadrado SR c/ reforço interno



Sapata Inferior da tração

**80.76** - A = 67mm (TE LS)

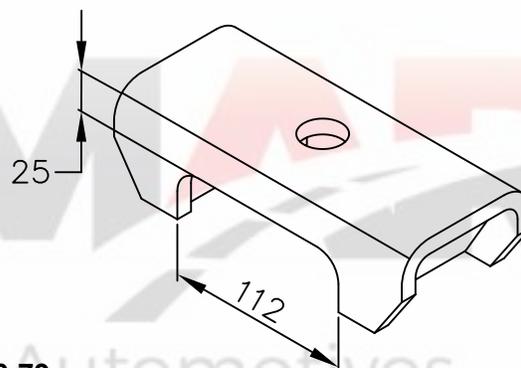
**80.77** - A = 75mm (TE LS Scania 124)



Sapata superior traseira do TE LS

**80.78** - Eixo quadrado

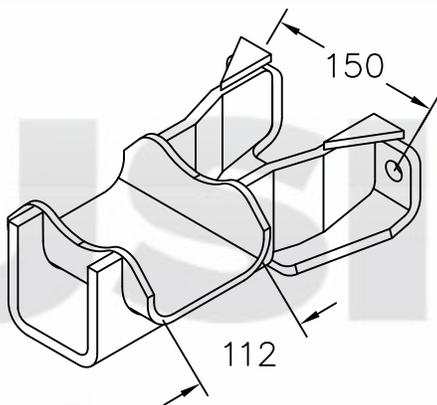
**80.80** - Eixo redondo  $\varnothing$ 130mm



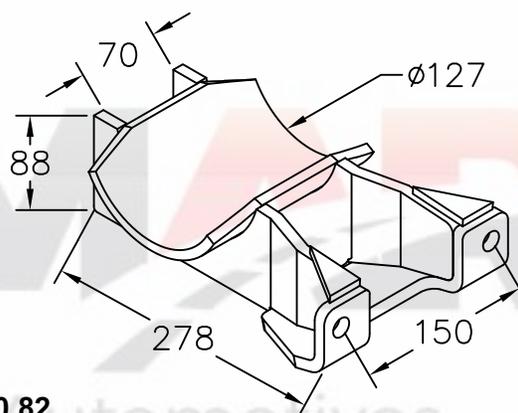
**80.79**

Sapata superior do TE LS Scania 124

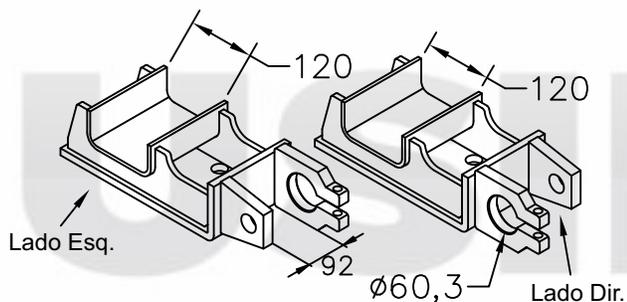
# GUERRA



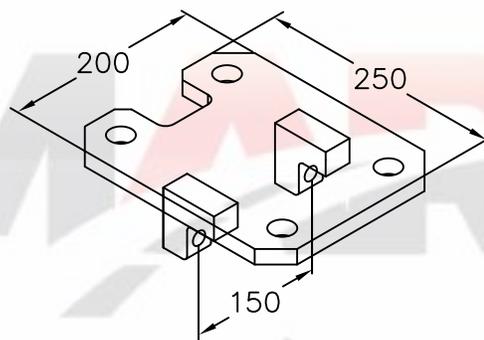
**80.81**  
Sapata superior do SR



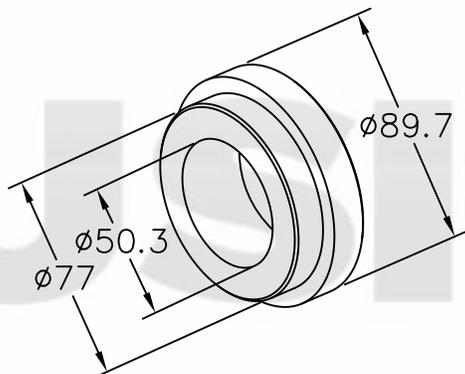
**80.82**  
Sapata superior para eixo redondo do SR



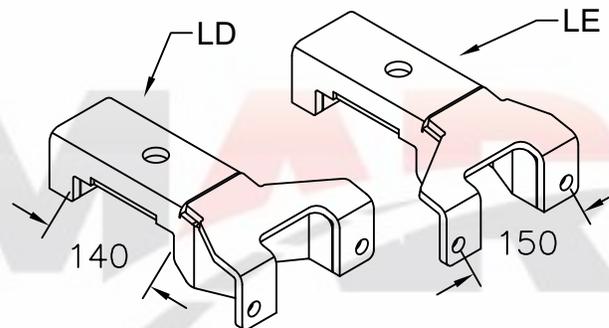
Sapata superior do TE  
**80.83 - LE**  
**80.84 - LD**



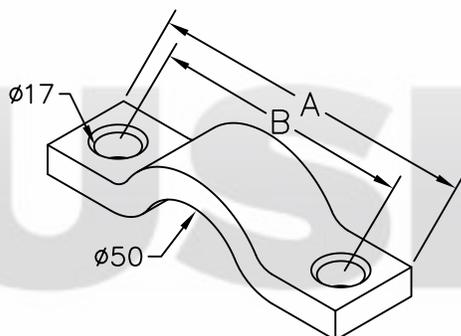
**81.20**  
Sapata com mancais do TE MB 1935/1938



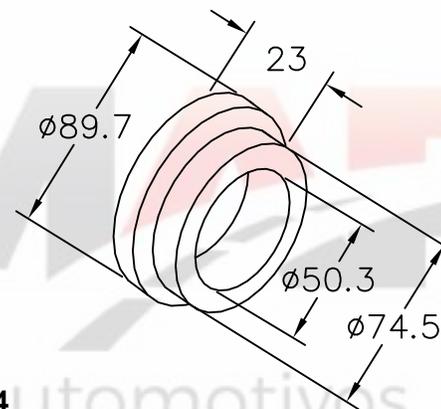
**81.43**  
Mancal interno do suporte central do TE LS



Sapata Superior do TE MB 1634  
**81.56 - LD**  
**81.57 - LE**

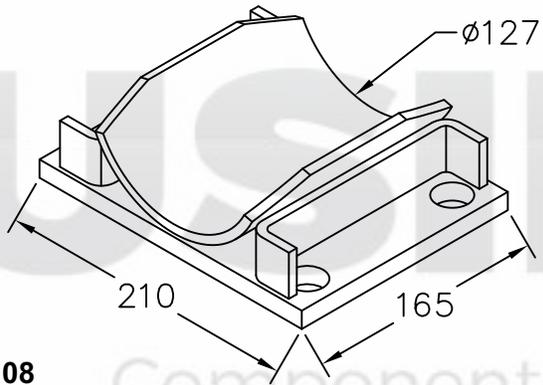


Semi-mancais do pino da balança do TE ou SR  
**81.63 - A=144mm - B=110.5mm**  
**82.48 - A=153mm - B=114.5mm**

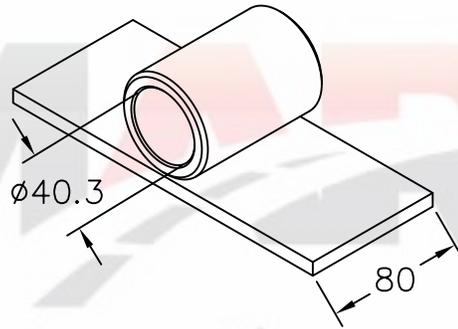


**81.84**  
Mancais do suporte central do TE LS

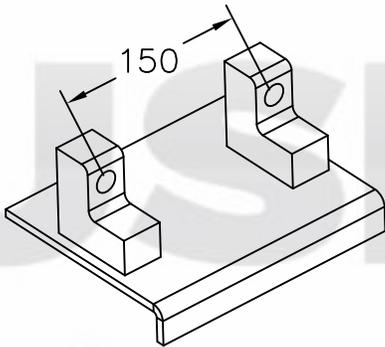
# GUERRA



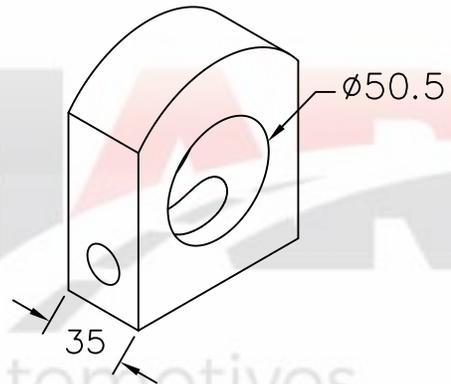
**82.08**  
Sapata inferior para eixo redondo do SR



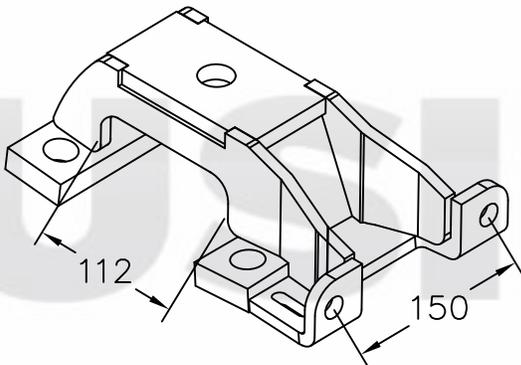
**82.09**  
Deslizante do suporte traseiro do TE



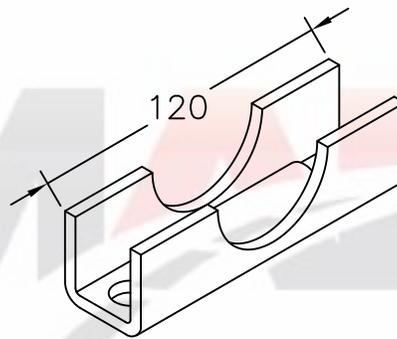
**83.10**  
Conjunto mancal suportes SR



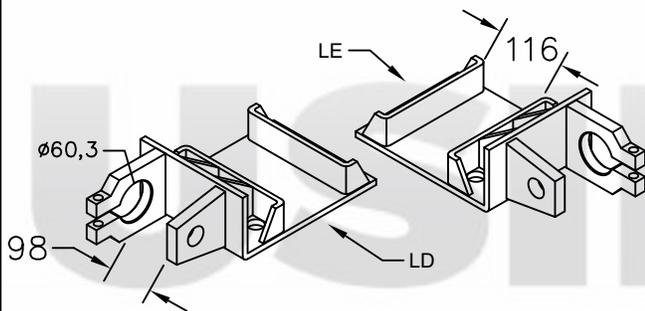
**82.15**  
Mancal externo do suporte central do TE LS



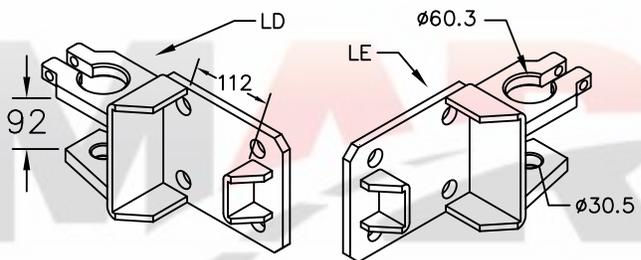
**82.42**  
Sapata superior p/ eixo quadrado do SR



**82.83**  
Chaveta U com trava do SR

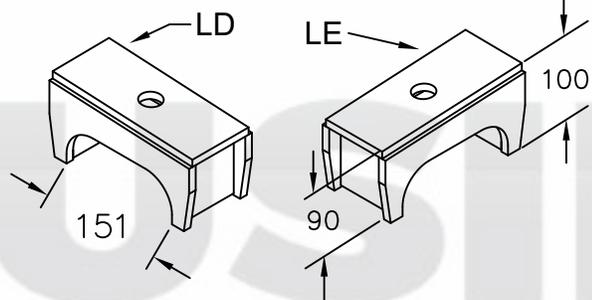


Sapata superior do TE  
**82.88 - LD**  
**82.87 - LE**

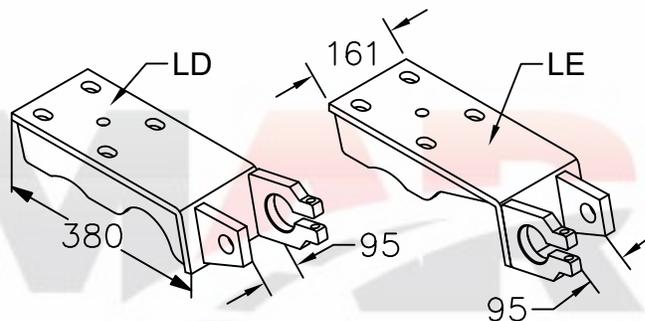


Sapata superior do TE LS  
**82.92 - LD**  
**82.93 - LE**

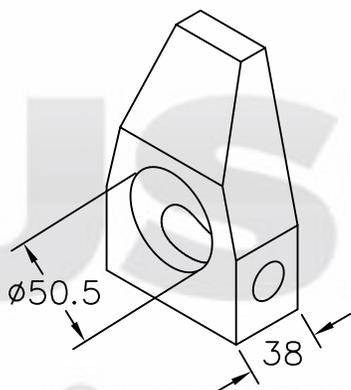
# GUERRA



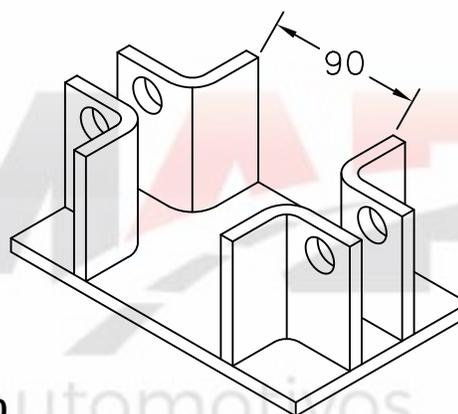
Sapata superior de tração suspensão  
FH12/NH380  
82.95 - LD  
82.96 - LE



Sapata Superior TE MB 1622 mod. 2004  
82.98 - LD  
82.99 - LE



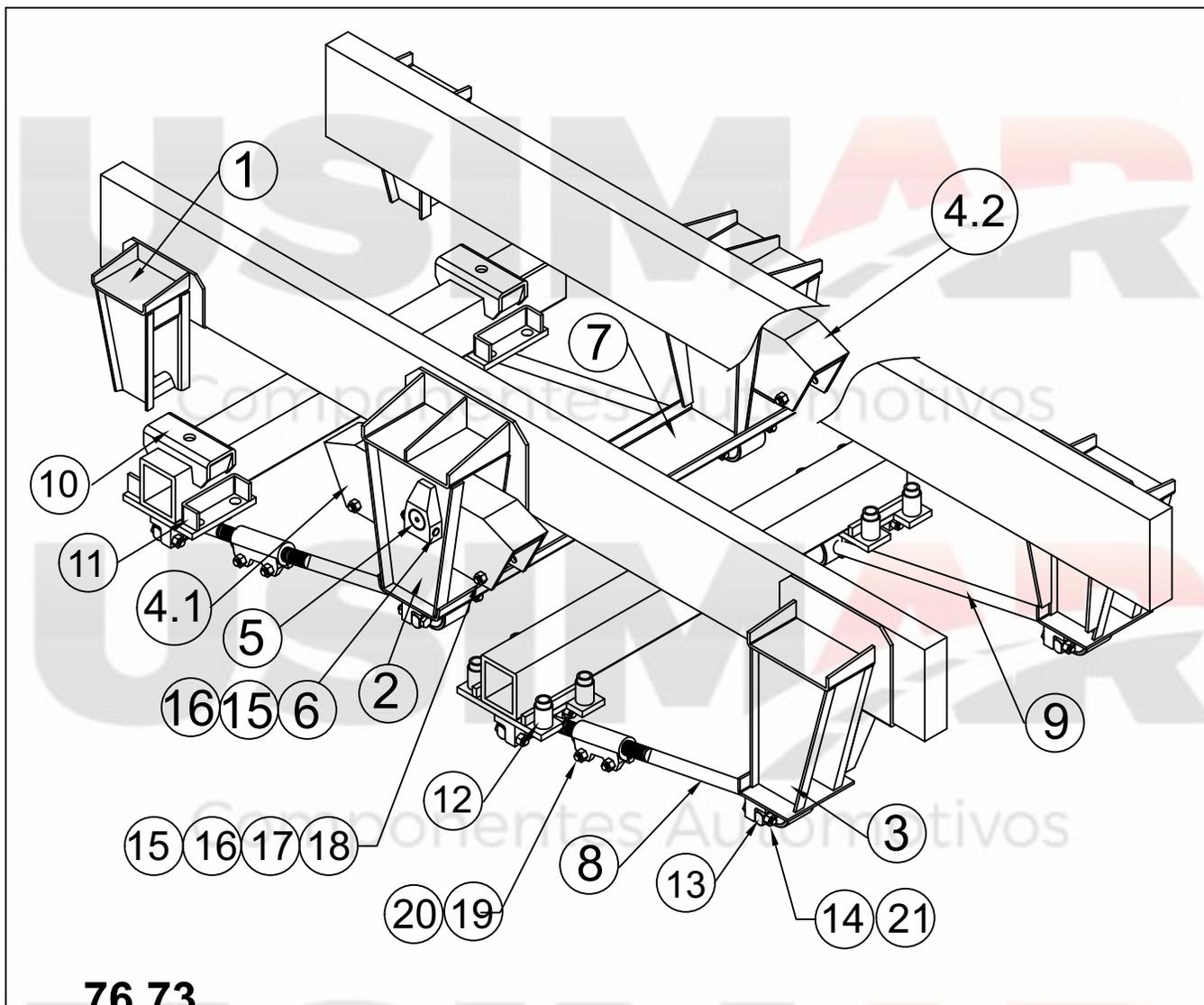
83.00  
Mancal externo do pino Ø50mm da balança  
TE LS



83.60  
Mancal do pino tensor do SR



# GUERRA

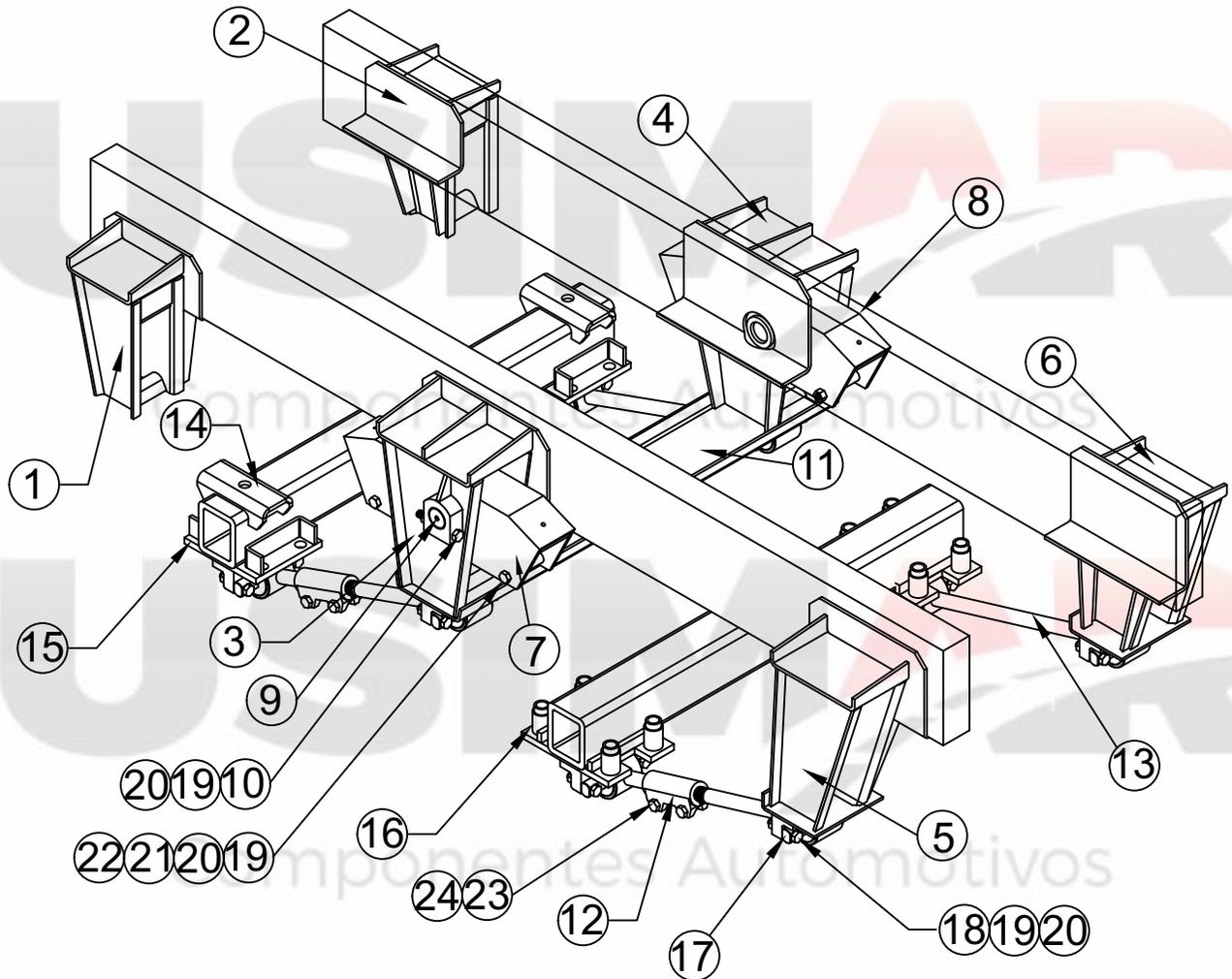


**76.73**

## Suspensão do TE LS Guerra para SCANIA 112/113

Nº	Qtd.	Código	Denominação
01	01	72.00	Suporte traseiro lado direito
	01	72.01	Suporte traseiro lado esquerdo
02	01	72.49	Suporte central lado direito
	01	72.48	Suporte central lado esquerdo
03	01	71.98	Suporte dianteiro lado direito
	01	71.99	Suporte dianteiro lado esquerdo
4.1	01	70.40	Balança LD
4.2	01	70.41	Balança LE
05	02	40.31	Pino da balança
06	02		Parafuso sext. 5/8" x 4"
07	01	75.60	Travessa de ligação
08	02	61.67	Tensor regulável c/ 640mm
09	02	61.98	Tensor fixo c/ 640mm
10	02	80.78	Sapata superior
11	02	80.69	Sapata inferior
12	02	80.76	Sapata inferior tração
13	08	90.11	Bucha Nakata
14	16		Paraf. sext. M16 x 80 - classe 8.8
15	06		Porca 5/8"
16	04		Arruela de pressão 5/8"
17	04	82.04	Tubo
18	04		Parafuso sext. 5/8" x 5"
19	04		Parafuso sextav. 3/4" x 3"
20	04		Porca sext. 3/4"
21	16		Porca sext. M16 autotravante

# GUERRA

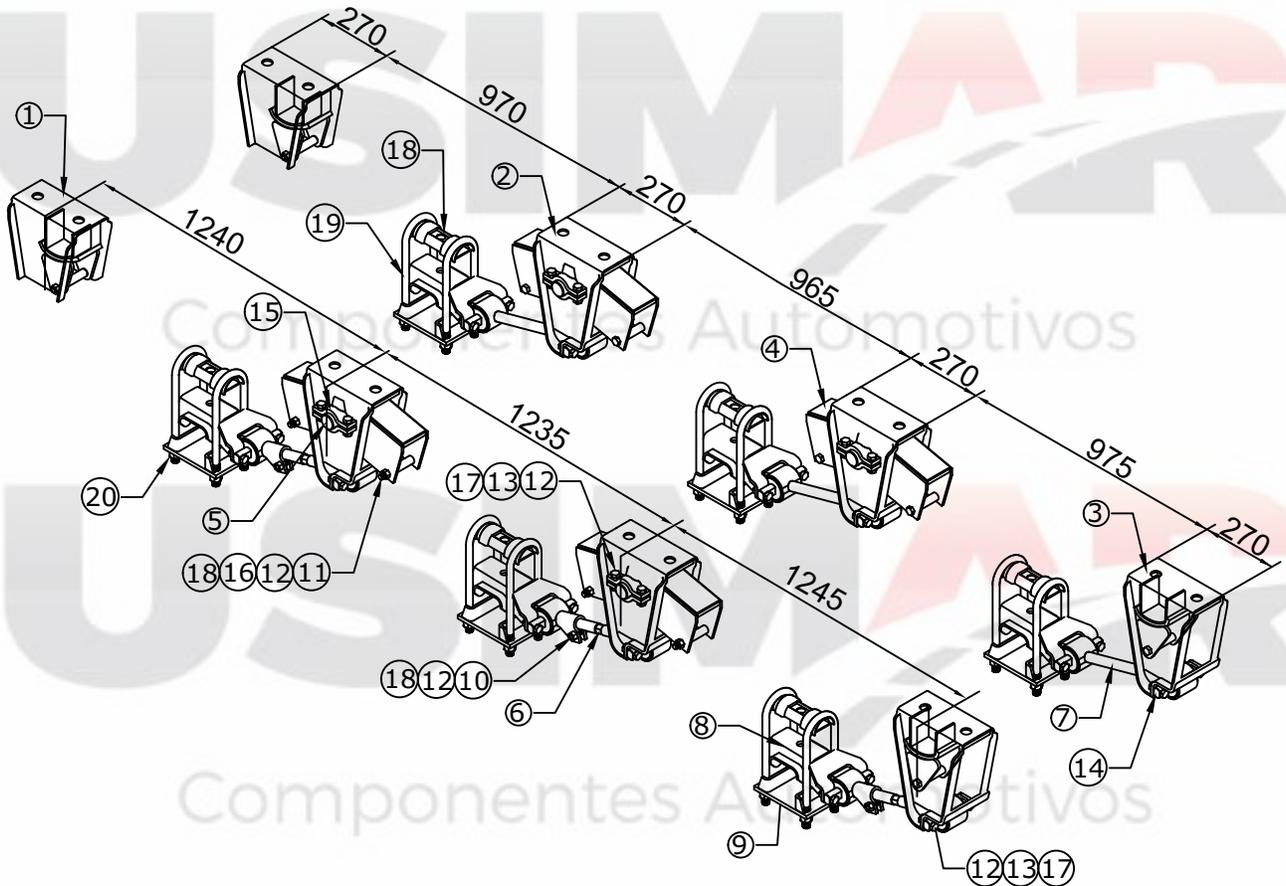


## 76.74

### Suspensão do TE LS Guerra para SCANIA 124

Nº	Qtd.	Código	Denominação
01	01	73.50	Suporte traseiro lado direito
02	01	73.51	Suporte traseiro lado esquerdo
03	01	72.61	Suporte central lado direito
04	01	72.60	Suporte central lado esquerdo
05	01	73.48	Suporte dianteiro lado direito
06	01	73.49	Suporte dianteiro lado esquerdo
07	01	70.40	Balança LD
08	01	70.41	Balança LE
09	02	40.31	Pino da balança
10	02		Paraf. Sext. 5/8" x 4" + Porca + Arruela de Pressão
11	01	75.60	Travessa de ligação
12	02	61.67	Tensor regulável 640mm
13	02	61.98	Tensor fixo 640mm
14	02	80.79	Sapata superior
15	02	80.69	Sapata inferior
16	02	80.77	Sapata inferior de tração
17	08	90.11	Bucha Nakata
18	16		Paraf. sext. 5/8" x 3 1/2" classe 8.8
19	22		Porca 5/8"
20	22		Arruela de pressão 5/8"
21	04	82.04	Tubo
22	04		Parafuso sextavado 5/8" x 5"
23	04		Parafuso sext. 3/4" x 3"
24	04		Porca 3/4"

# GUERRA



## Suspensão do SR Guerra

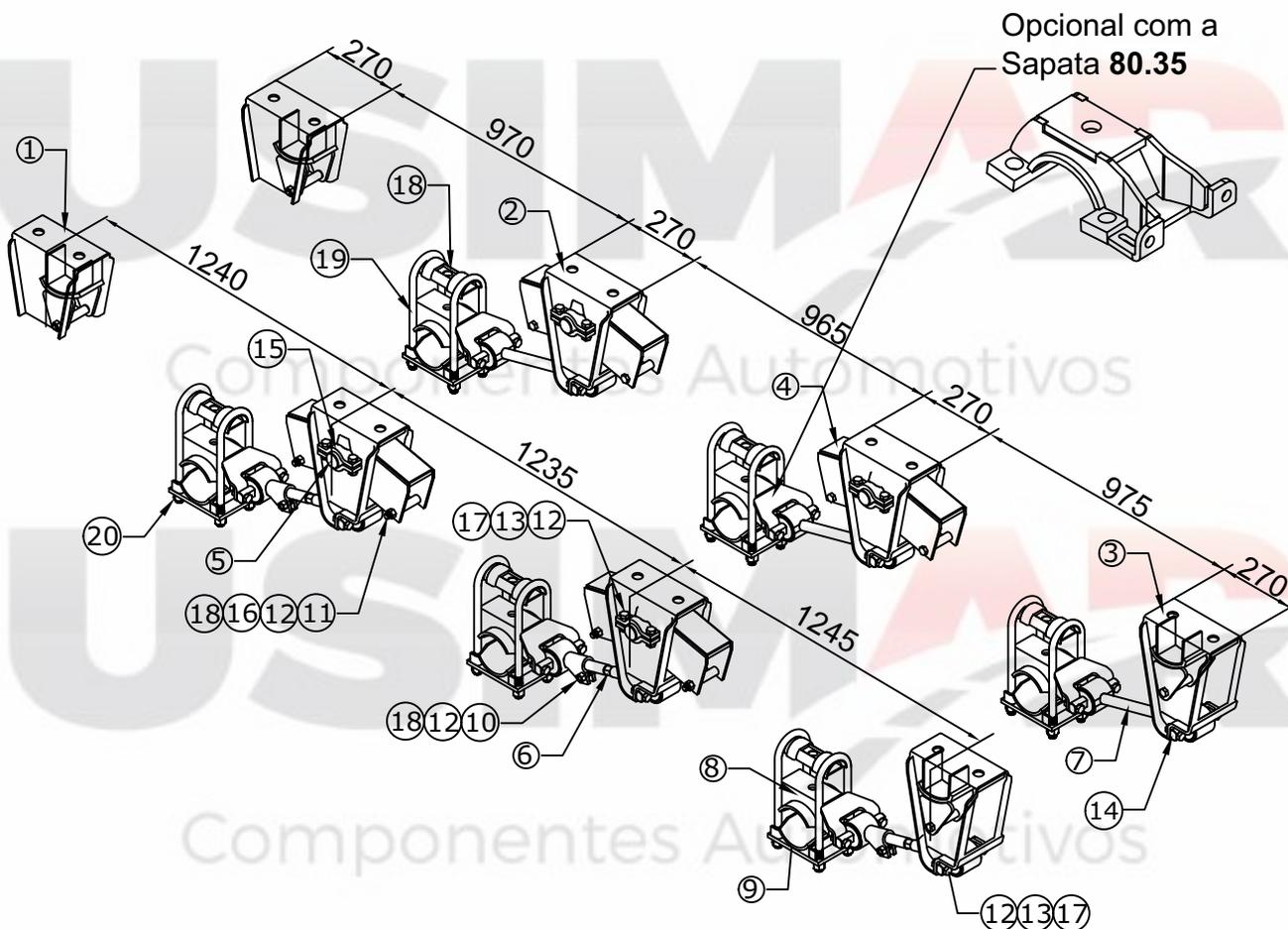
### 76.75 - 3 EIXOS

N°	Qtd.	Código	Denominação
01	02	71.94	Suporte traseiro com esfrega móvel 80.05
02	04	71.90	Suporte central
03	02	71.92	Suporte dianteiro com esfrega móvel 80.05
04	04	70.43	Balança
05	04	40.34	Pino da balança
06	03	61.41	Tensor regulável ( 435 mm )
07	03	61.47	Tensor fixo ( 435 mm )
08	06	80.81	Sapata superior para eixo retângular
09	06	81.66	Sapata inferior para eixo retângular
10	06		Parafuso 5/8" x 1 3/4"
11	08		Parafuso 5/8" x 5 1/2" da balança
12	54		Porca 5/8"
13	40		Parafuso 5/8" x 2"
14	12	90.11	Bucha estabilizadora (Nakata)
15	04	81.63	Semi-mancal
16	08	82.04	Tubo
17	54		Arruela pressão 5/8"
18	06	82.03	Separador de grampo
19	12		Grampo de mola 7/8" x 92 x 360
20	24	50.05	Porca grampo 7/8"

### 76.76 - 2 EIXOS

N°	Qtd.	Código	Denominação
01	02	71.94	Suporte traseiro com esfrega móvel 80.05
02	02	71.90	Suporte central
03	02	71.92	Suporte dianteiro com esfrega móvel 80.05
04	02	70.43	Balança
05	02	40.34	Pino da balança
06	02	61.41	Tensor regulável ( 435 mm )
07	02	61.47	Tensor fixo ( 435 mm )
08	04	80.81	Sapata superior para eixo retângular
09	04	81.66	Sapata inferior para eixo retângular
10	04		Parafuso 5/8" x 1 3/4"
11	04		Parafuso 5/8" x 5 1/2" da balança
12	32		Porca 5/8"
13	24		Parafuso 5/8" x 2"
14	08	90.11	Bucha estabilizadora (Nakata)
15	02	81.63	Semi-mancal
16	04	82.04	Tubo
17	32		Arruela pressão 5/8"
18	04	82.03	Separador de grampo
19	08		Grampo de mola 7/8" x 92 x 360
20	16	50.05	Porca grampo 7/8"

# GUERRA



## Suspensão do SR para eixo redondo Guerra

### 76.78 - 2 EIXOS

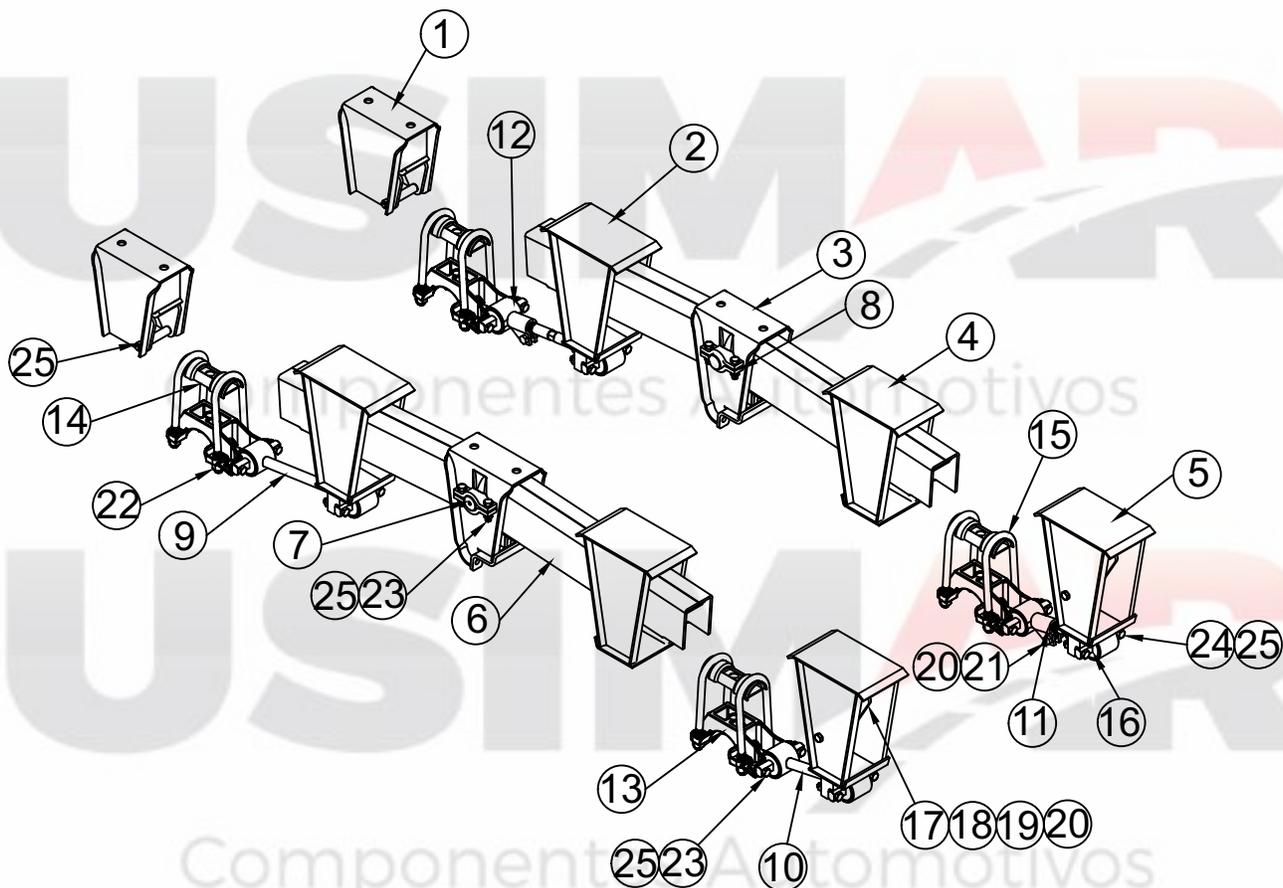
Nº	Qtd.	Código	Denominação
01	02	71.94	Suporte traseiro com esfrega móvel 80.05
02	02	71.90	Suporte central
03	02	71.92	Suporte dianteiro com esfrega móvel 80.05
04	02	70.43	Balança
05	02	40.34	Pino da balança
06	02	61.41	Tensor regulável ( 435 mm )
07	02	61.47	Tensor fixo ( 435 mm )
08	04	80.82	Sapata superior para eixo redondo
09	04	82.08	Sapata inferior para eixo redondo
10	04		Parafuso 5/8" x 1 3/4"
11	04		Parafuso 5/8" x 5 1/2" da balança
12	32		Porca 5/8"
13	24		Parafuso 5/8" x 2"
14	08	90.11	Bucha estabilizadora (Nakata)
15	02	81.63	Semi-mancal
16	04	82.04	Tube
17	32		Arruela pressão 5/8"
18	04	82.03	Separador de grampo
19	08		Grampo de mola 7/8" x 92 x 360
20	16	50.05	Porca grampo 7/8"

### 76.77- 3 EIXOS

Nº	Qtd.	Código	Denominação
01	02	71.94	Suporte traseiro com esfrega móvel 80.05
02	04	71.90	Suporte central
03	02	71.92	Suporte dianteiro com esfrega móvel 80.05
04	04	70.43	Balança
05	04	40.34	Pino da balança
06	03	61.41	Tensor regulável ( 435 mm )
07	03	61.47	Tensor fixo ( 435 mm )
08	06	80.82	Sapata superior para eixo redondo
09	06	82.08	Sapata inferior para eixo redondo
10	06		Parafuso 5/8" x 1 3/4"
11	08		Parafuso 5/8" x 5 1/2" da balança
12	54		Porca 5/8"
13	40		Parafuso 5/8" x 2"
14	12	90.11	Bucha estabilizadora (Nakata)
15	04	81.63	Semi-mancal
16	08	82.04	Tube
17	54		Arruela pressão 5/8"
18	06	82.03	Separador de grampo
19	12		Grampo de mola 7/8" x 92 x 360
20	24	50.05	Porca grampo 7/8"

Componentes Automotivos

# GUERRA

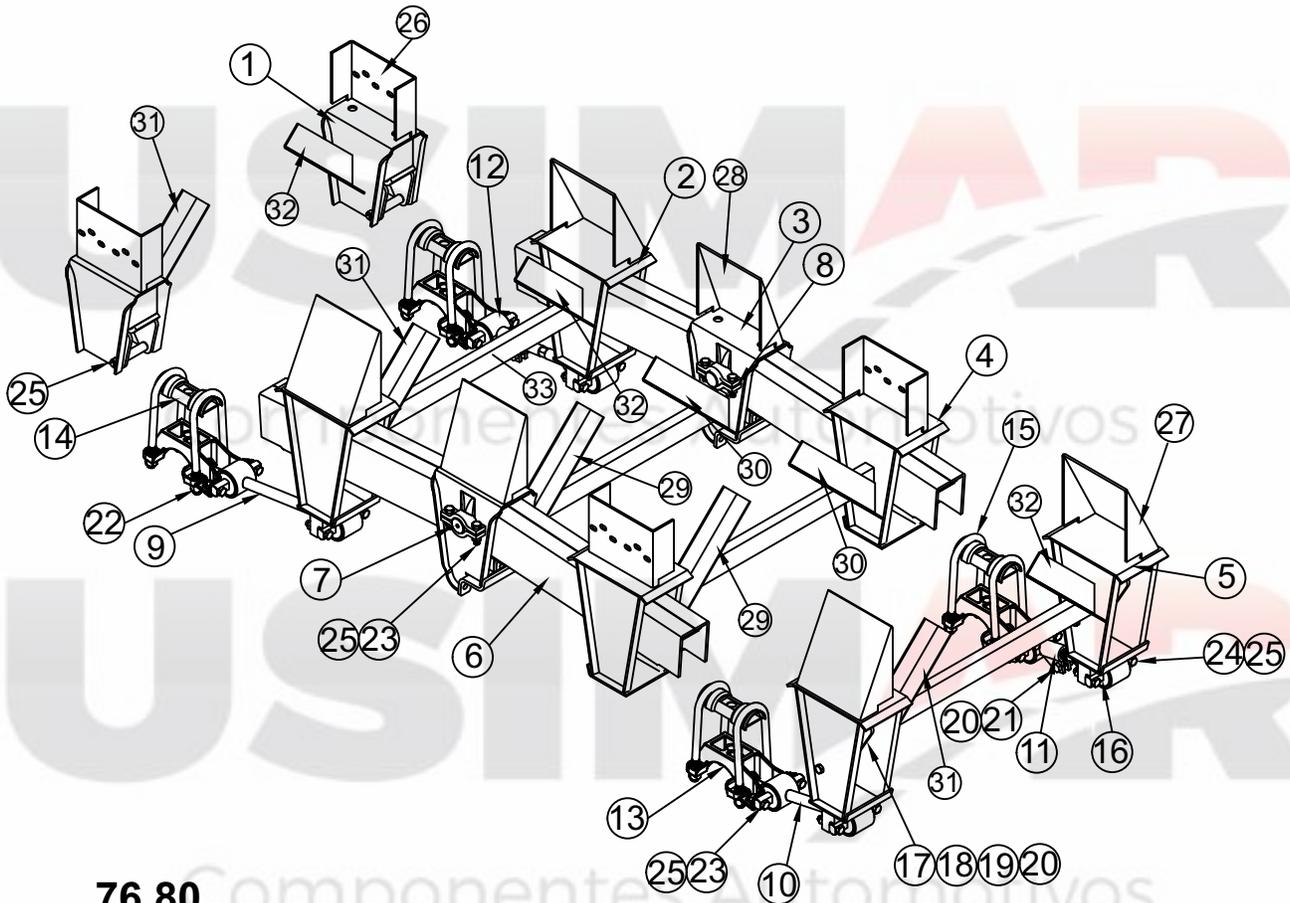


**76.79**

Suspensão 02 eixos distanciada NK SR Guerra mod 2011

N°	Qty.	Código	Denominação
1	02	71.97	Suporte traseiro
2	02	73.84	Suporte guia traseiro
3	02	74.71	Suporte central
4	02	74.99	Suporte guia dianteiro
5	02	74.49	Suporte dianteiro
6	02	70.48	Balança pino Ø50mm
7	02	40.34	Pino da balança c/ mancal
8	02	81.63	Semi-mancal do suporte
9	01	62.25	Tensor fixo 442 mm
10	01	61.52	Tensor fixo 315 mm
11	01	62.01	Tensor regulável 315 mm
12	01	62.60	Tensor regulável 442 mm
13	04	80.35	Sapata superior
14	04	82.03	Separador grampo de molas
15	08		Grampo de mola 7/8" x 92 x 300mm
16	08	90.11	Bucha nakata
17	04	80.05	Conjunto do deslizante
18	04	82.04	Tubo da sapata móvel
19	04		Parafuso sext. 5/8" x 6"
20	08		Porca sext 5/8" Auto-travante
21	04		Parafuso sext 5/8" x 2"
22	16	50.05	Porca sext dupla 7/8"
23	16		Parafuso sext M16 x 60 classe 8.8
24	08		Parafuso sext M16 x 80 classe 8.8
25	24		Porca M16 autotravante

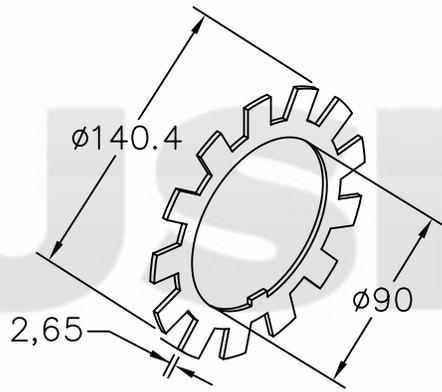
# GUERRA



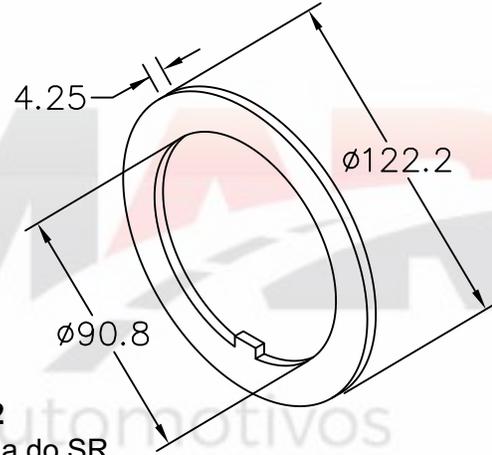
**76.80**

Suspensão 02 eixos distanciada c/ reforços NK SR Guerra mod 2011

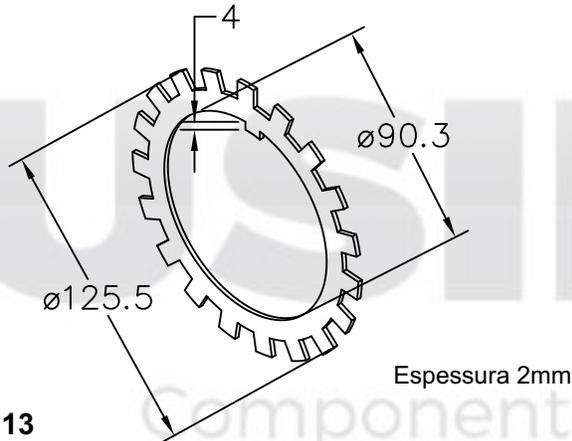
Nº	Qtd.	Código	Denominação
1	02	71.97	Suporte traseiro
2	02	73.84	Suporte guia traseiro
3	02	74.71	Suporte central
4	02	74.99	Suporte guia dianteiro
5	02	74.49	Suporte dianteiro
6	02	70.48	Balança pino Ø50mm
7	02	40.34	Pino da balança c/ mancal
8	02	81.63	Semi-mancal do suporte
9	01	62.25	Tensor fixo 442 mm
10	01	61.52	Tensor fixo 315 mm
11	01	62.01	Tensor regulável 315 mm
12	01	62.60	Tensor regulável 442 mm
13	04	80.35	Sapata superior
14	04	82.03	Separador grampo de molas
15	08		Grampo de mola 7/8" x 92 x 300mm
16	08	90.11	Bucha nakata
17	04	80.05	Conjunto do deslizante
18	04	82.04	Tubo da sapata móvel
19	04		Parafuso sext. 5/8" x 6"
20	08		Porca sext 5/8" Auto-travante
21	04		Parafuso sext 5/8" x 2"
22	16	50.05	Porca sext dupla 7/8"
23	16		Parafuso sext M16 x 60 classe 8.8
24	08		Parafuso sext M16 x 80
25	24		Porca M16 autotravante
26	04		Reforço do suporte tras e do 1 guia
27	04		Reforço do suporte diant e do 2 guia
28	02		Reforço do suporte central
29	02		Reforço "L" 495mm LD
30	02		Reforço "L" 495mm LE
31	03		Reforço "L" 390mm LD
32	03		Reforço "L" 390mm LE
33	04		Chapa "U" entre suportes



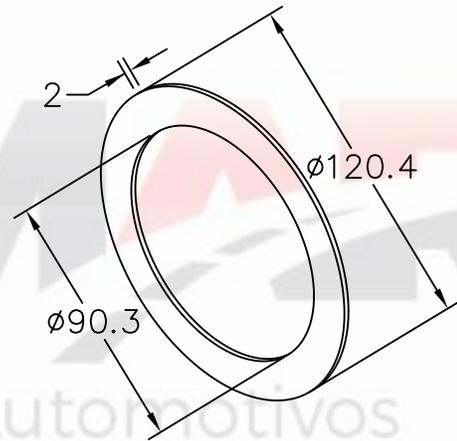
**30.03**  
Arruela dentada com 13 dentes do SR



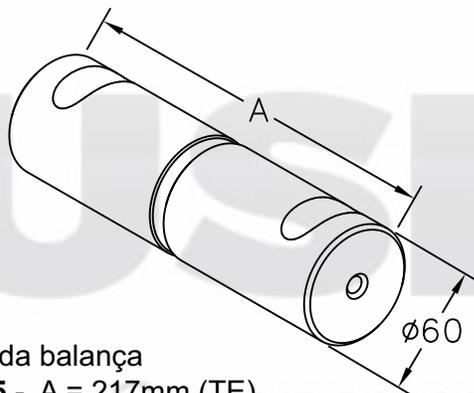
**30.12**  
Arruela do SR



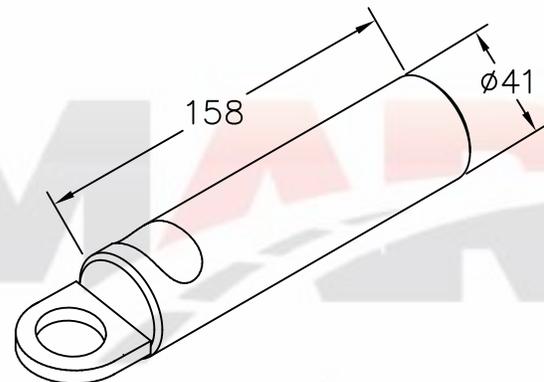
**30.13**  
Arruela dentada do SR com 19 dentes



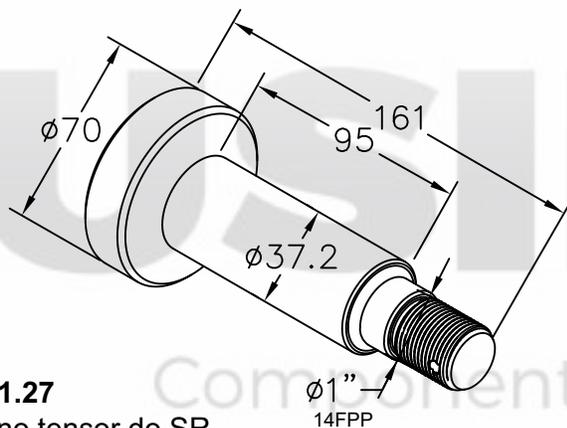
**30.14**  
Arruela lisa do SR



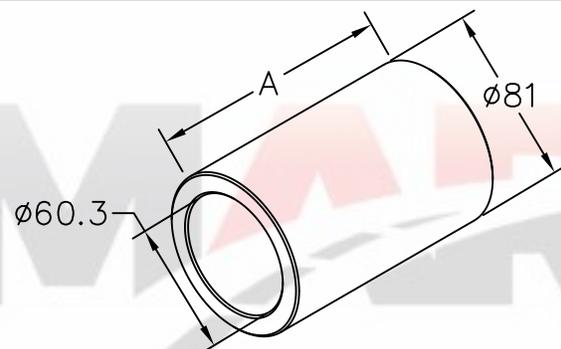
Pino da balança  
**40.35** - A = 217mm (TE)  
**40.36** - A = 230mm (SR)



**41.23**  
Pino do suporte traseiro do TE

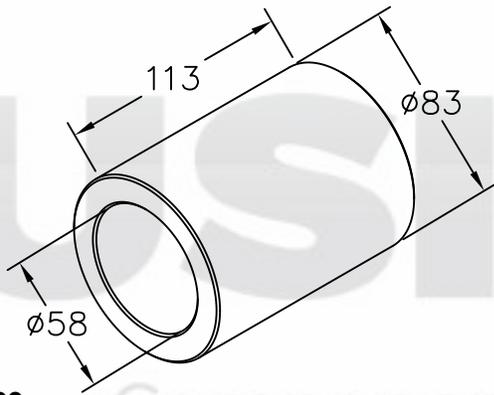


**41.27**  
Pino tensor do SR

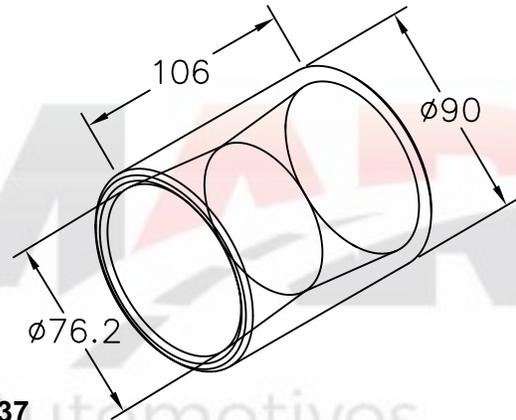


Bucha para balança  
**50.92** - A = 108mm (TE)  
**50.67** - A = 125mm (SR)

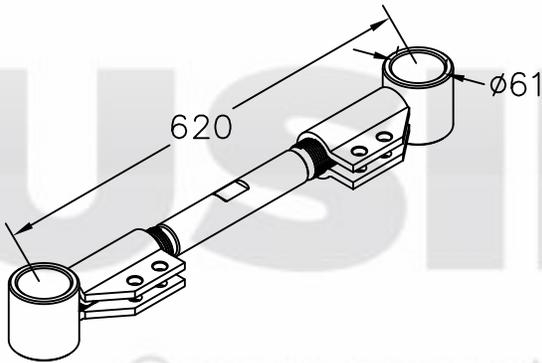
# IDEROL



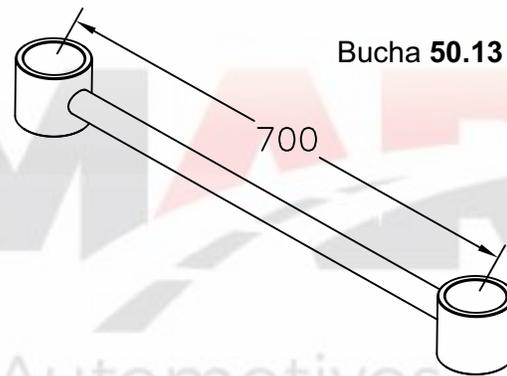
**51.29**  
Bucha bruta para balança do TE



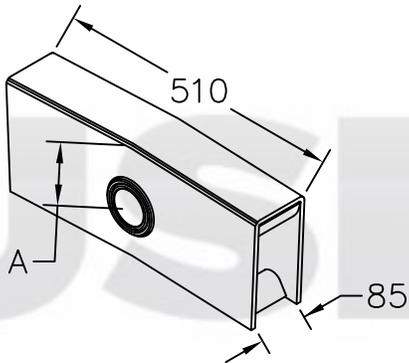
**51.37**  
Bucha cônica para balança do SR



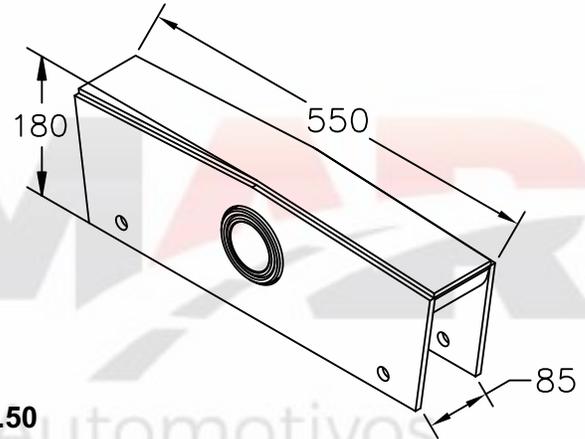
**61.48**  
Tensor regulável do TE



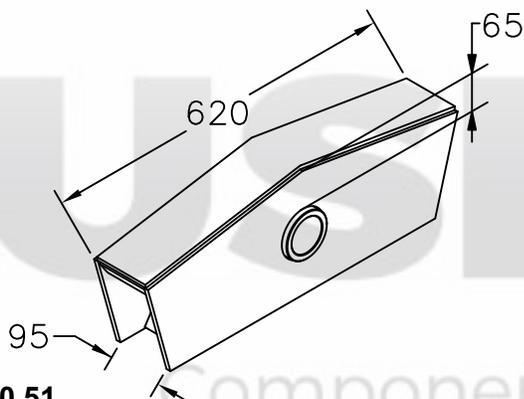
**61.53**  
Tensor fixo dianteiro



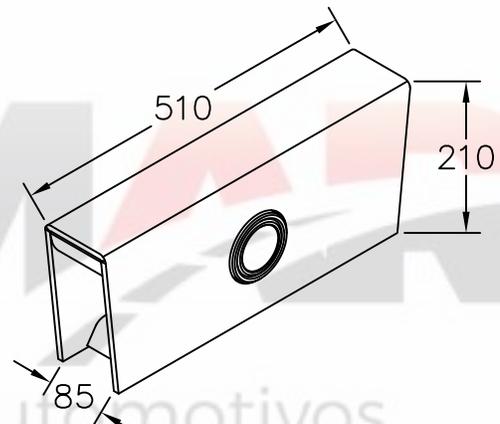
Balança do TE para pino Ø60 mm  
**70.49** - A = 105mm  
**73.75** - A = 80mm



**70.50**  
Balança do TE para pino Ø 60mm

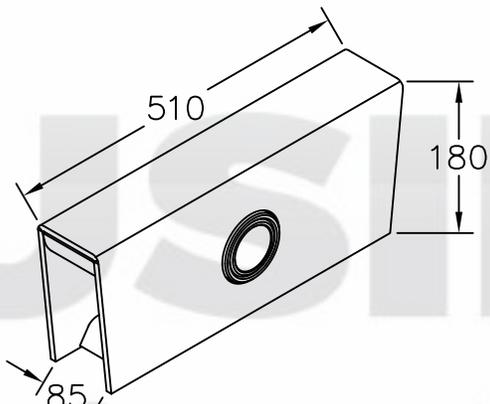


**70.51**  
Balança para pino Ø 60mm do SR

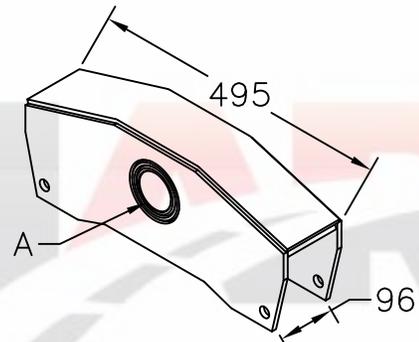


**70.52**  
Balança reta do TE para pino Ø 60mm

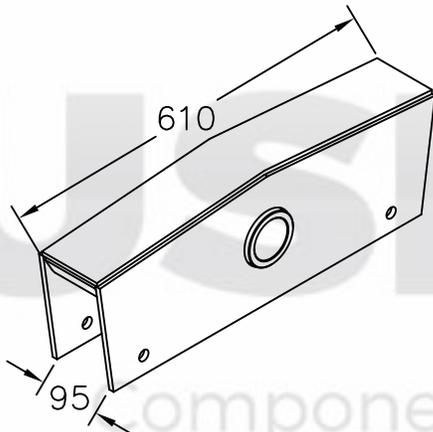
# IDEROL



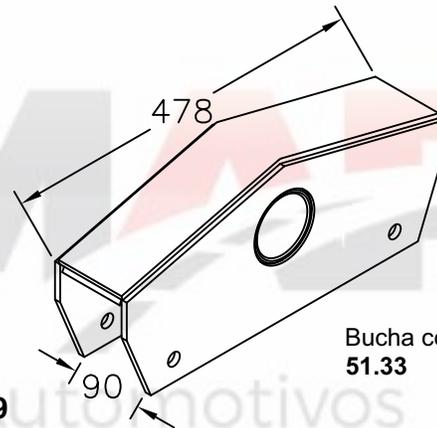
**70.53**  
Balança reta do TE para pino Ø 60mm



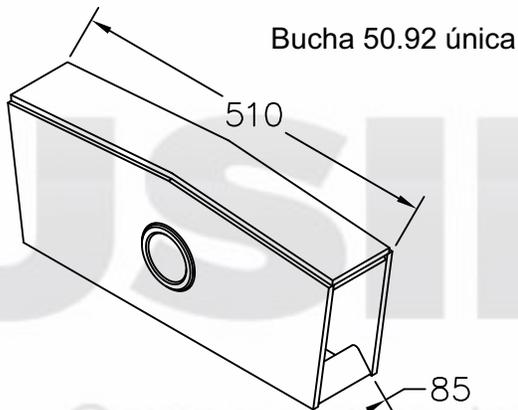
Balança do SR para pino Ø 60 mm  
**70.54** - A = 2 buchas 50.97  
**70.55** - A = 1 bucha 50.92



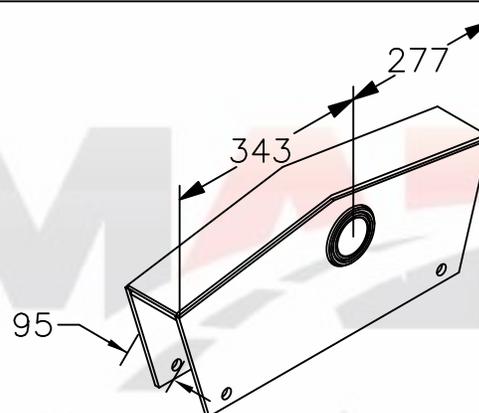
**70.56**  
Balança do SR para pino Ø 60



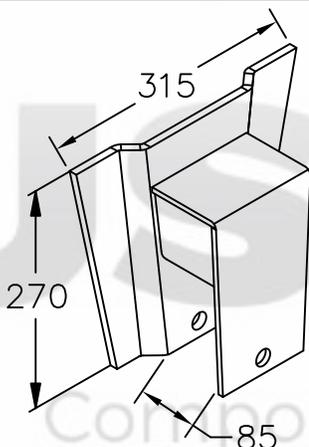
**75.39**  
Balança com bucha cônica do SR  
Bucha cônica  
**51.33**



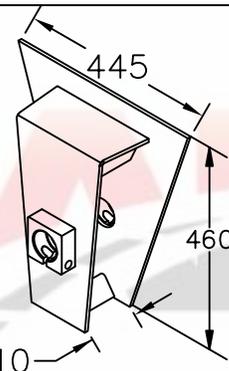
**75.40**  
Balança do TE para pino Ø 60mm  
Bucha 50.92 única



**75.41**  
Balança do TE LS p/ pino Ø60mm

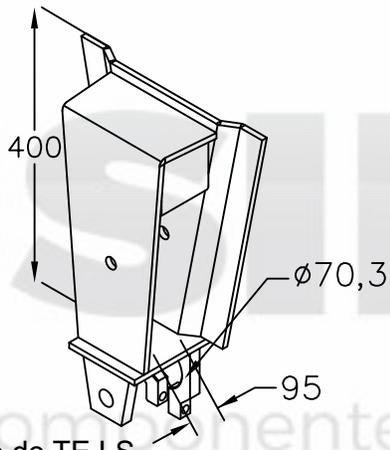


**72.85**  
Suporte traseiro do TE

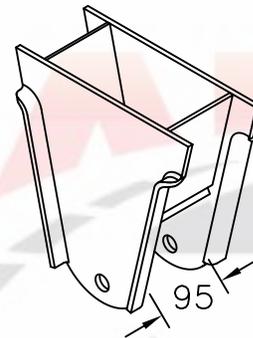


Suporte central do TE para pino Ø60mm  
**73.15** - em 5/16"  
**73.16** - em 3/8"

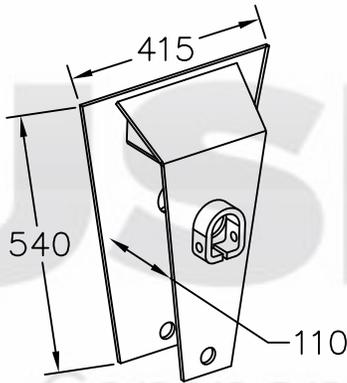
# IDEROL



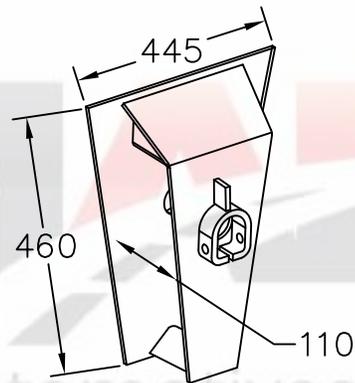
**73.31**  
Suporte dianteiro do TE LS



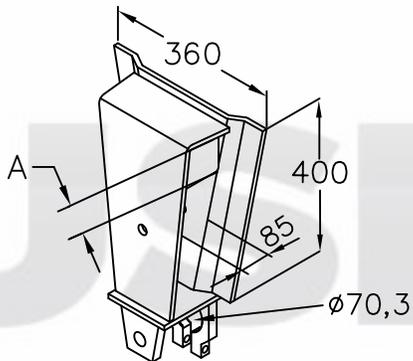
**73.79**  
Suporte traseiro do SR



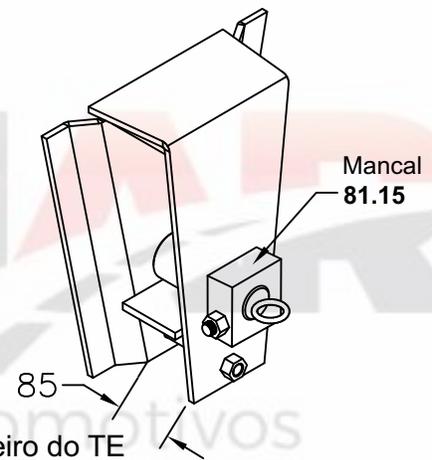
**73.91**  
Suporte central do TE para pino Ø60mm



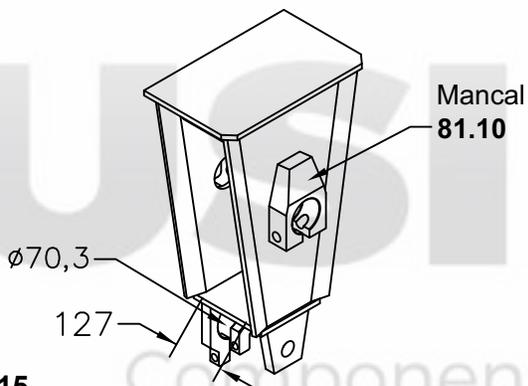
**73.92**  
Suporte central do TE para pino Ø60mm



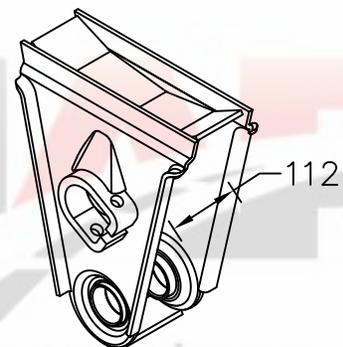
Suporte dianteiro do TE  
**74.02** - A = 141mm  
**73.90** - A = 77mm



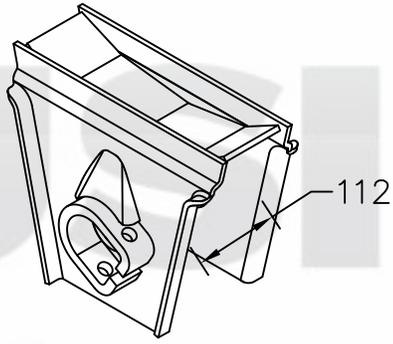
**74.66**  
Suporte traseiro do TE



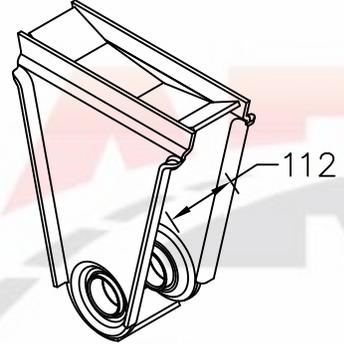
**75.15**  
Suporte central do SR



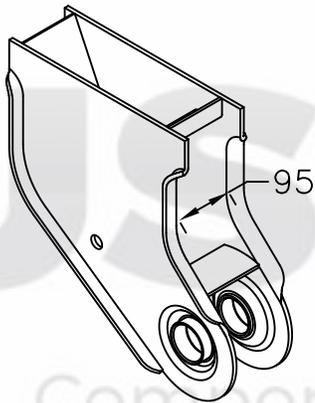
**75.16**  
Suporte central do SR p/ pino Ø60mm



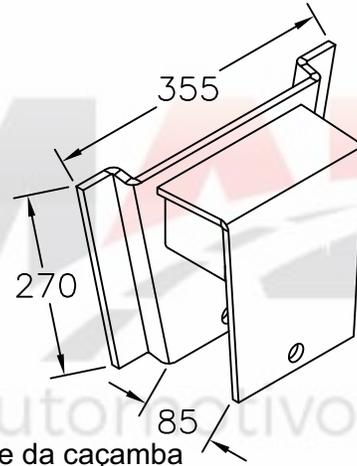
**75.23**  
Suporte central curto do SR p/ pino Ø60mm



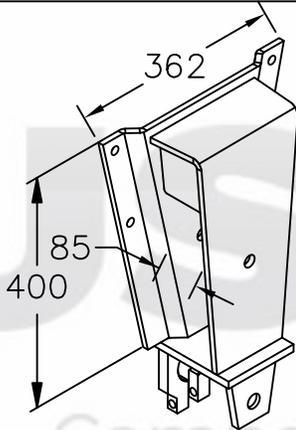
**75.24**  
Suporte guia do SR c/ mancais do tensor



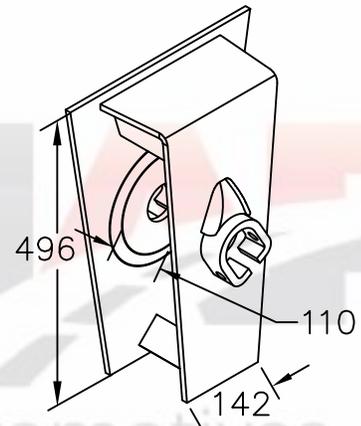
**75.31**  
Suporte dianteiro do SR



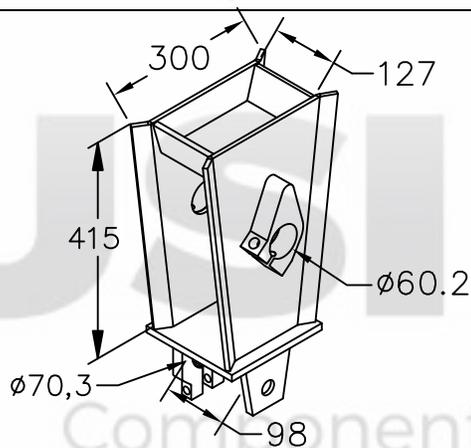
**75.67**  
Suporte da caçamba



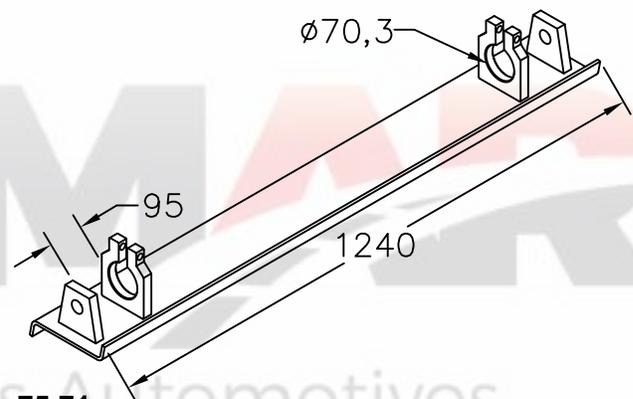
**75.68**  
Suporte dianteiro do TE



**75.69**  
Suporte central maior do TE para pino Ø60mm

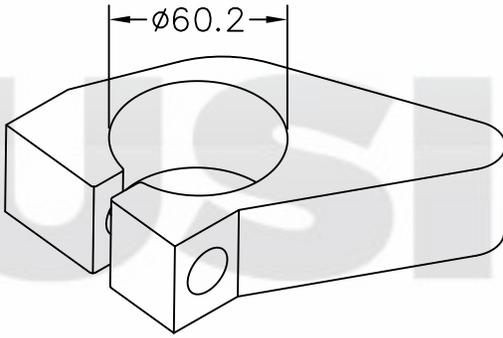


**75.70**  
Suporte central do SR (suspensão pesada)

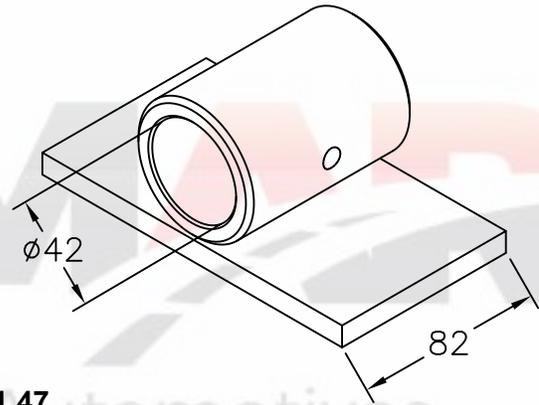


**75.71**  
Travessa de ligação do TE

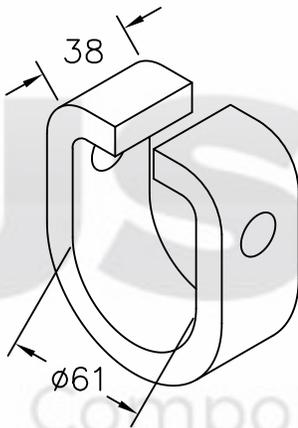
# IDEROL



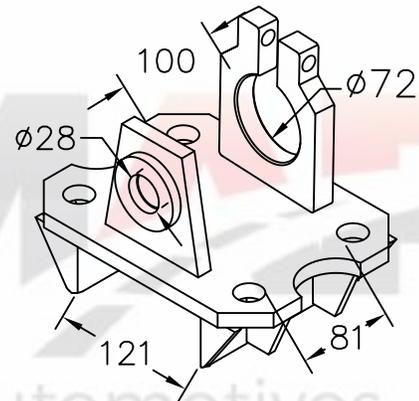
**81.00**  
Mancal curvo para suporte do SR



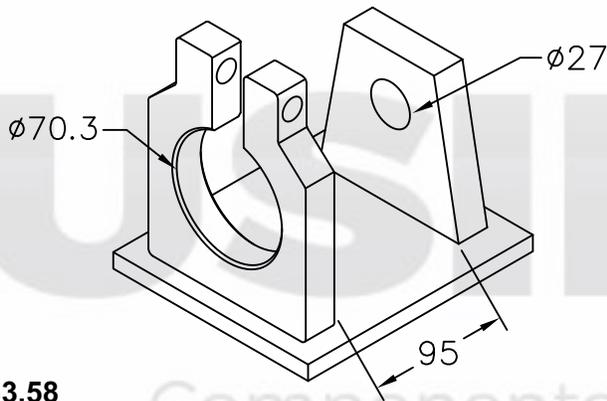
**81.47**  
Deslizante do suporte traseiro do TE



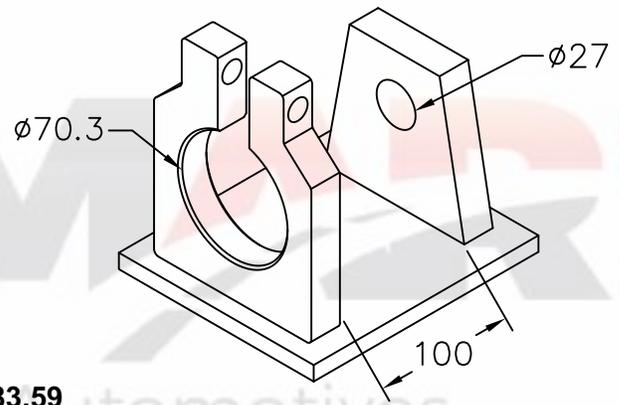
**81.83**  
Mancal do pino da balança do SR



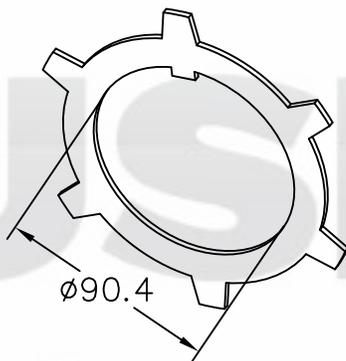
**83.05**  
Sapata do eixo do SR



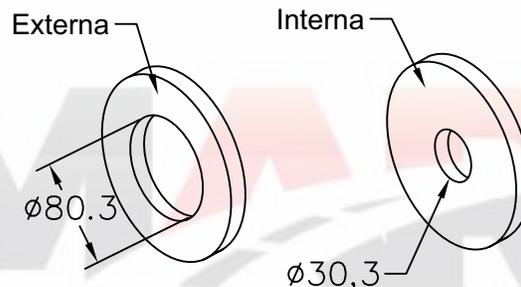
**83.58**  
Mancal duplo do pino tensor TE



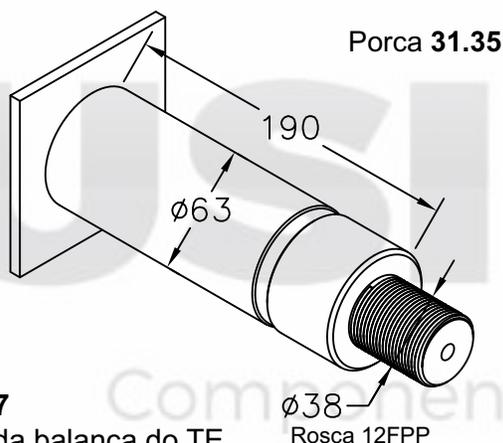
**83.59**  
Mancal duplo do suporte central do SR



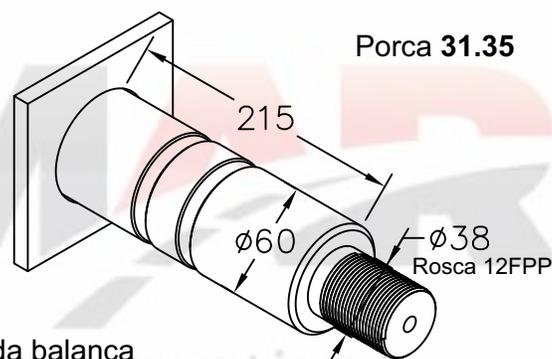
**30.08**  
Arruela dentada do SR



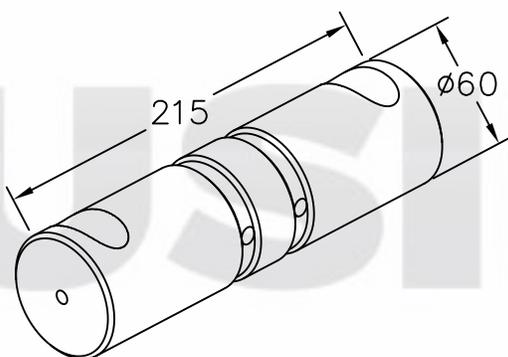
Arruela da suspensão pneumática 1/2"  
**30.29** - Interna A = Ø30,3mm  
**30.30** - Externa  
**31.49** - Interna A = Ø26,5mm



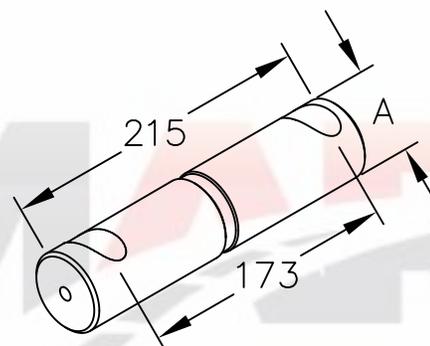
**40.37**  
Pino da balança do TE



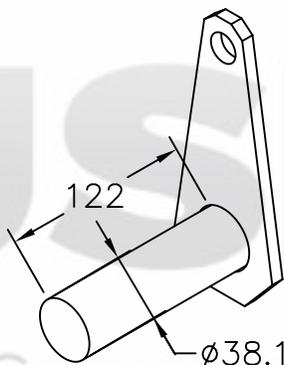
Pino da balança  
**40.38** - A = 215mm (TE)  
**40.39** - A = 245mm (TE LS)



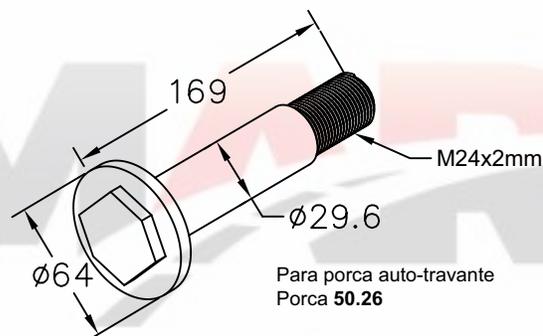
**40.40**  
Pino da balança do SR



Pino da Balança do SR  
**40.41** - A = Ø50mm (Mod. 2008)  
**40.42** - A = Ø50,8mm (Mod. 2010)

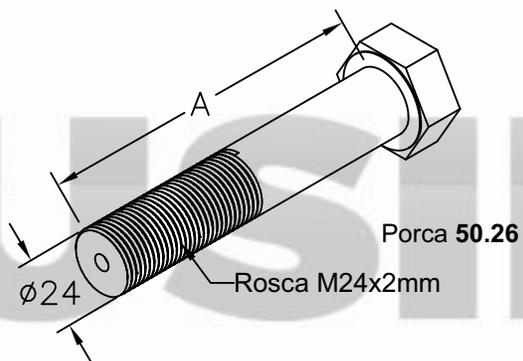


**40.43**  
Pino do suporte traseiro do TE



**41.09**  
Pino tensor do SR

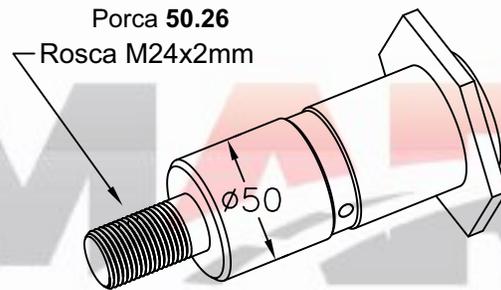
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Pino do tensor do SR moderna

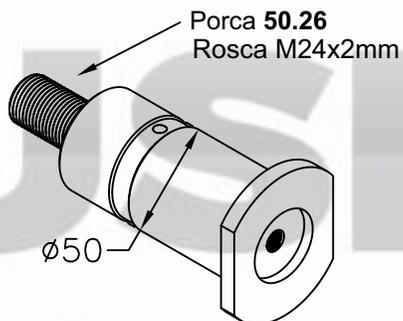
**41.16** - A = 125mm

**41.20** - A = 145mm



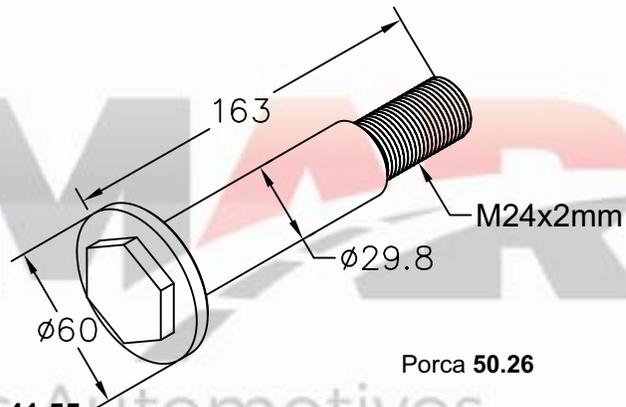
**41.36**

Pino do braço tensor SR Vanderléia mod 2007



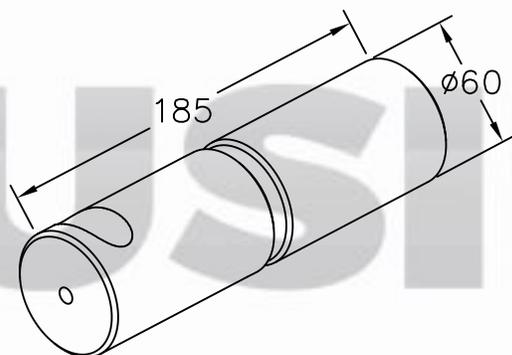
**41.48**

Pino do braço tensor SR Vanderléia mod antigo



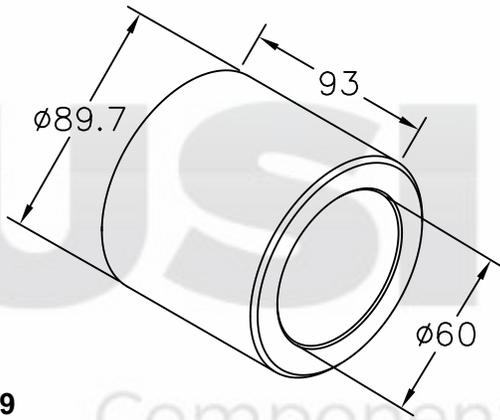
**41.55**

Pino tensor do TE

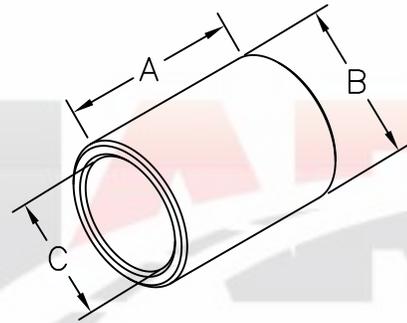


**41.83**

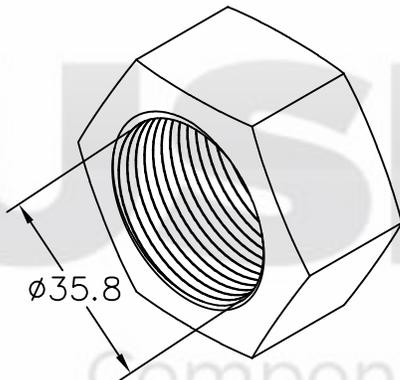
Pino da balança do TE LS uma chaveta



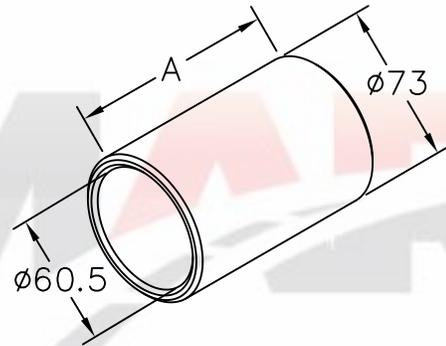
**50.89**  
Bucha externa do braço tensor



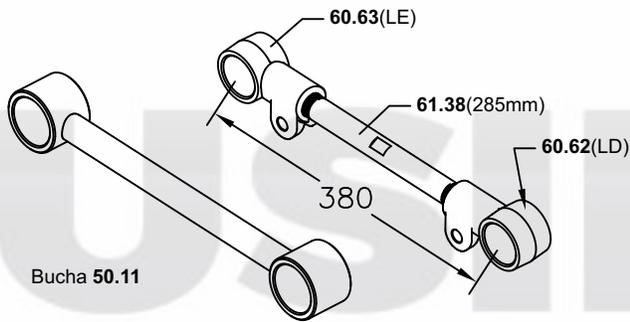
Bucha interna para balança  
**50.94** - A = 110mm B = Ø81,3mm C = Ø64mm TE  
**50.59** - A = 118mm B = Ø73mm C = Ø60,5mm TE  
**50.55** - A = 119mm B = Ø60mm C = Ø51,3mm SR



**31.35**  
Porca para pino da balança do TE

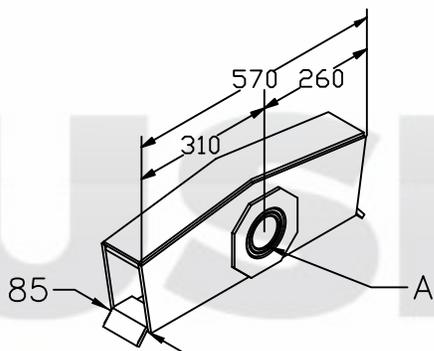


Bucha interna para balança  
**51.45** - A = 112mm (TE)  
**51.46** - A = 125mm (TE LS)

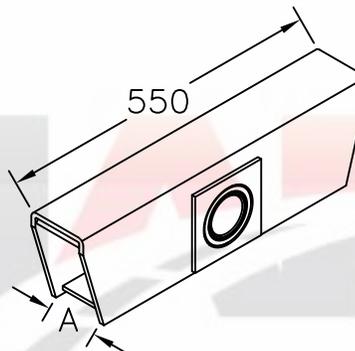


Bucha 50.11

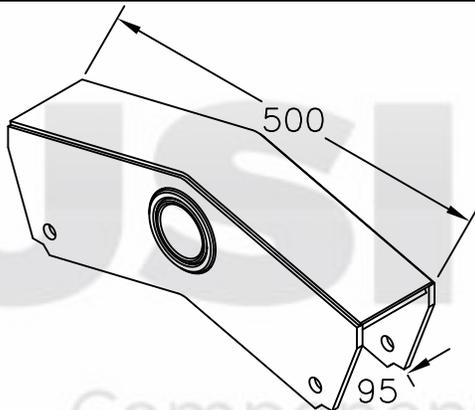
Tensor do SR 2000  
**60.84** - Regulável  
**60.85** - Fixo



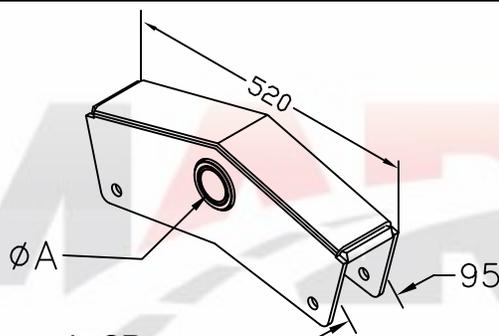
Balança do TE  
**70.57** - p/ pino A = Ø63mm  
**70.58** - p/ pino A = Ø60



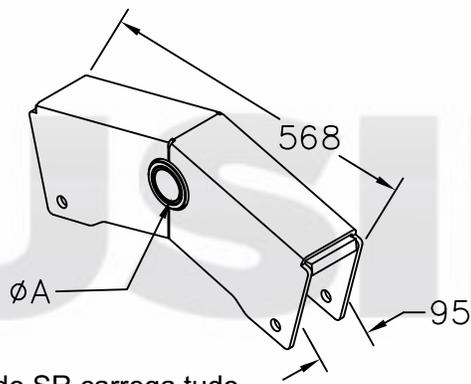
Balança do TE LS para pino Ø60mm  
**70.59** - A = 85mm  
**70.60** - A = 95mm



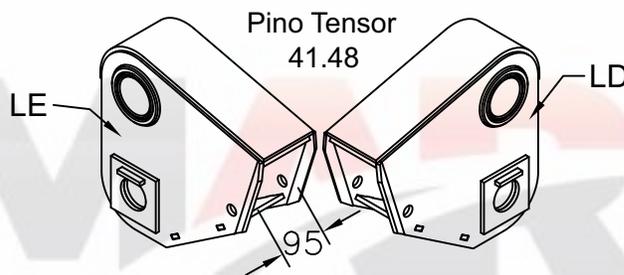
**70.61**  
 Balança do SR para pino Ø 60mm



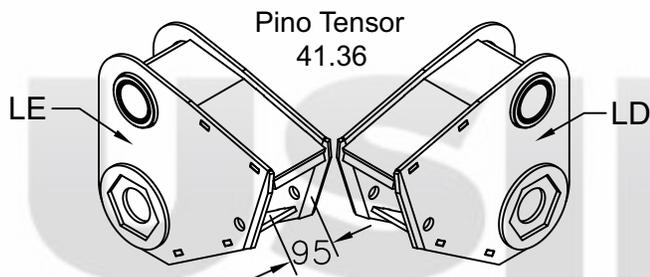
Balança do SR  
**70.62** - A = P/ pino Ø50mm (modelo 2008)  
**70.63** - A = P/ pino Ø50,85mm (modelo 2010)  
**70.64** - A = P/ pino Ø60mm (modelo 2008)



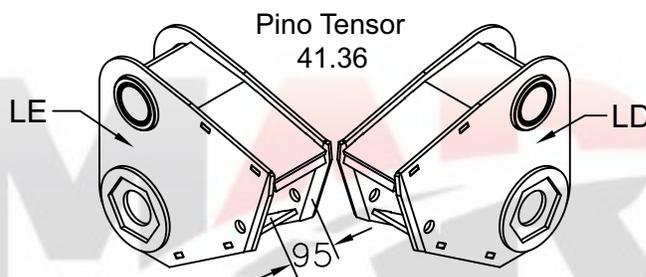
Balança do SR carrega tudo  
**70.65** - A = P/ pino Ø50mm  
**70.66** - A = P/ pino Ø60mm



Balança p/ pino Ø60mm do SR distanciada  
 MD até 2006  
**70.67** - LD  
**70.68** - LE

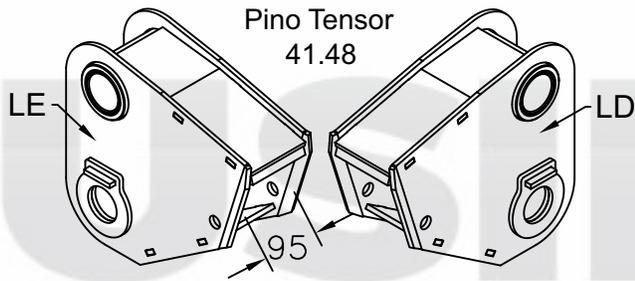


Balança p/ pino Ø50,85mm do SR distanciada  
 MD 2007 em diante  
**70.69** - LD  
**70.70** - LE

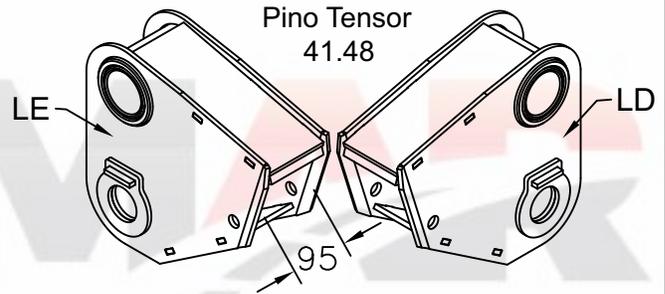


Balança p/ pino Ø50mm do SR distanciada  
 MD 2007 em diante  
**70.71** - LD  
**70.72** - LE

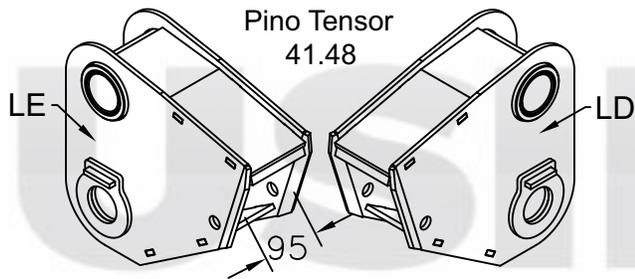
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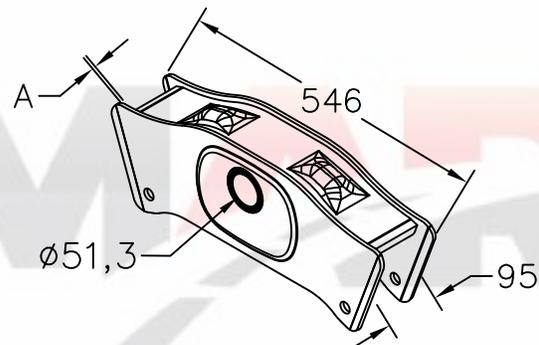
Balança p/ pino Ø50mm do SR distanciada  
MD 2006  
**70.73 - LD**  
**70.74 - LE**



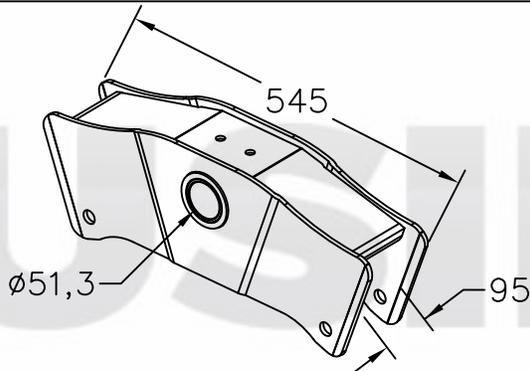
Balança p/ pino Ø60mm do SR distanciada  
MD 2006  
**70.75 - LD**  
**70.76 - LE**



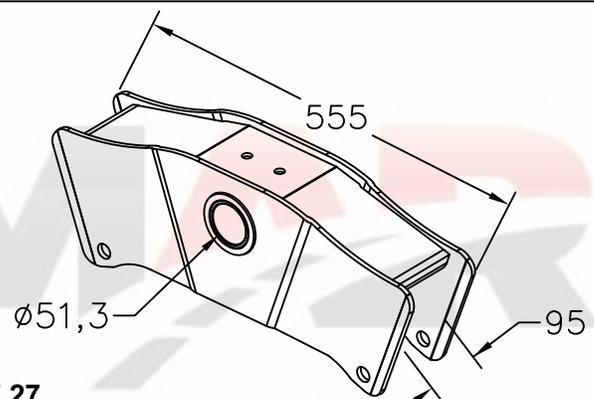
Balança p/ pino Ø50.85mm do SR distanciada  
MD 2006  
**70.77 - LD**  
**70.78 - LE**



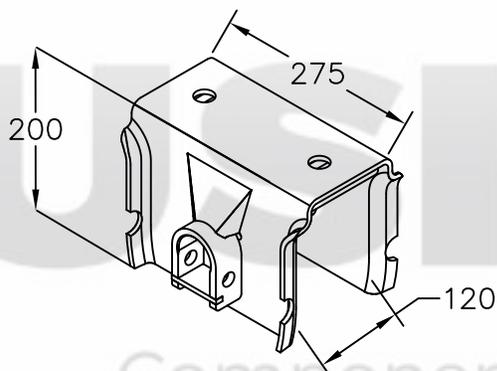
Balança p/ pino Ø50.85mm do SR MD2013  
**70.79 - A = 1/4"**  
**70.80 - A = 5/16"**



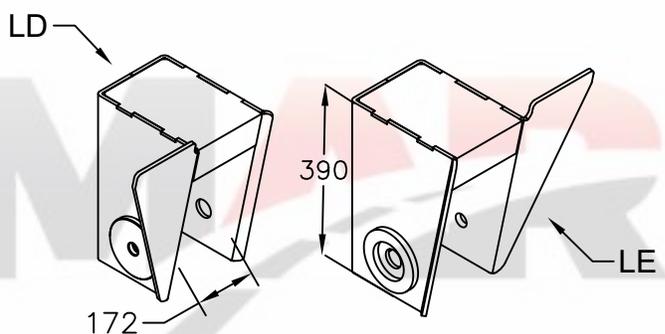
Balança p/ pino Ø50.85mm do SR 2015  
**77.25 - A = 1/4" (STD)**  
**77.26 - A = 5/16" (STD HD)**



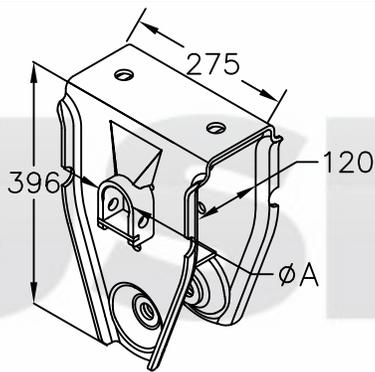
**77.27**  
Balança p/ pino Ø50.85mm do SR HD 2015  
(Tora/Cana)



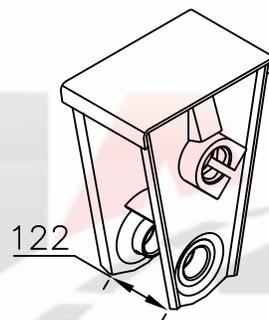
**72.75**  
Suporte central do SR distanciada p/ pino Ø50mm



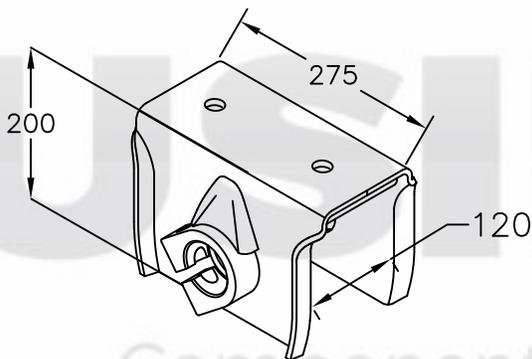
Suporte da suspensão pneumática do SR  
**72.81 - LE**  
**72.82 - LD**



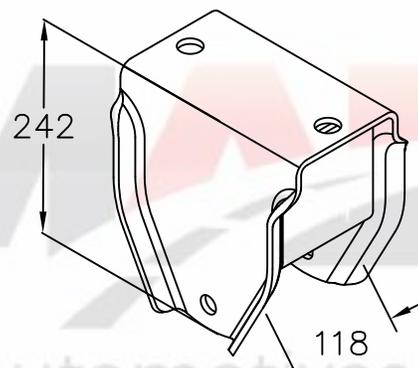
Suporte central do SR  
**72.95** - P/ pino A =  $\phi 50$ mm  
**72.96** - P/ pino A =  $\phi 50,85$ mm



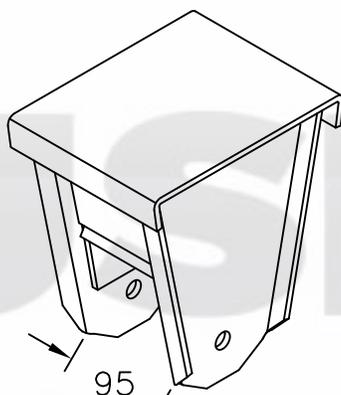
Suporte central do SR para pino  $\phi 60$ mm  
**73.11** - em 5/16"  
**73.12** - em 3/8"



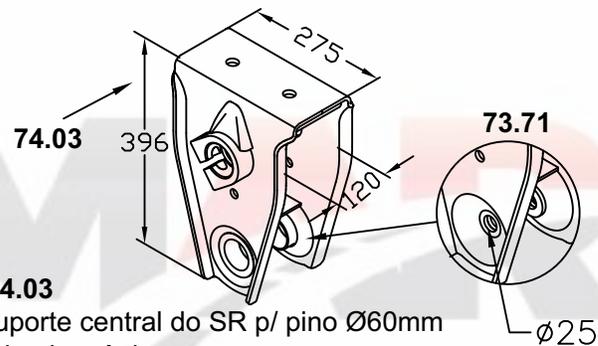
**73.66**  
 Suporte central do SR distanciada p/ pino  $\phi 60$ mm



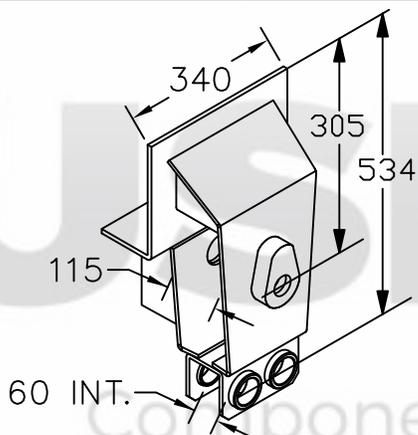
**73.72**  
 Suporte traseiro do SR



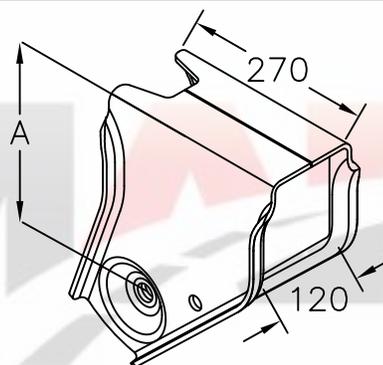
**73.77**  
 Suporte traseiro do SR



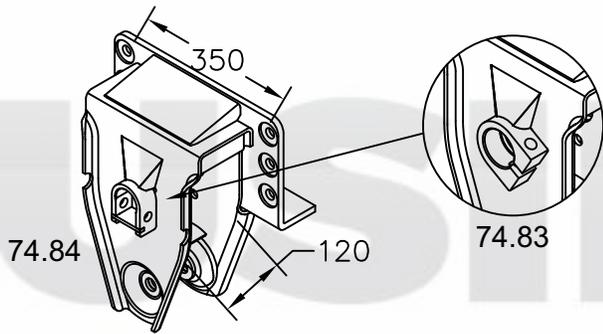
**74.03**  
 Suporte central do SR p/ pino  $\phi 60$ mm  
 c/ bucha cônica  
**73.71**  
 Suporte central do SR para pino  $\phi 60$ mm  
 Modelo 2004



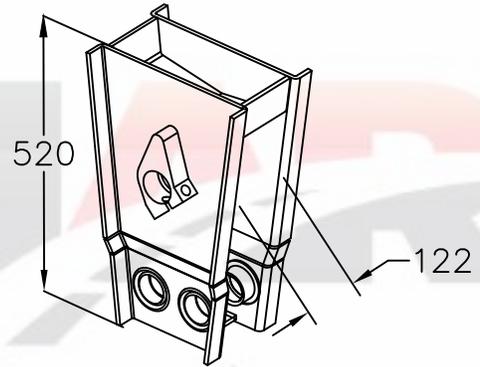
**74.14**  
 Suporte central do TE para pino  $\phi 60$ mm



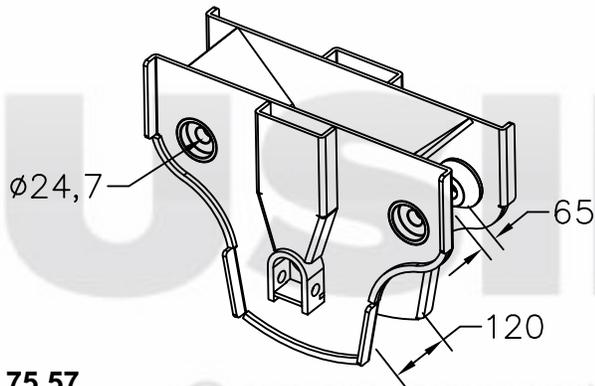
Suporte dianteiro do SR para bucha silenciosa  
**74.17** - A = 280mm  
**75.08** - A = 269mm



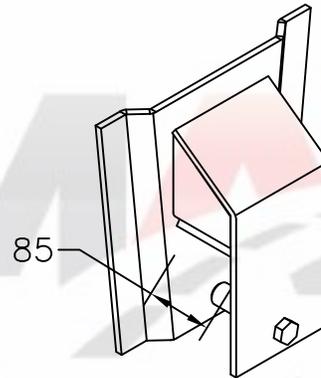
74.84  
**74.83** - p/ pino Ø60mm  
**74.84** - p/ pino Ø50mm



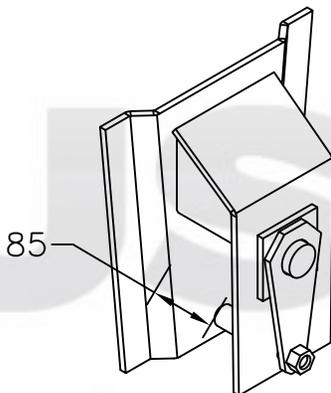
**74.86**  
 Suporte central p/ pino Ø60mm



**75.57**  
 Suporte central do SR pino Ø50mm carrega tudo



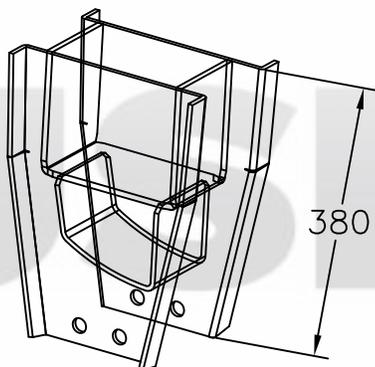
**75.72**  
 Suporte dianteiro do TE



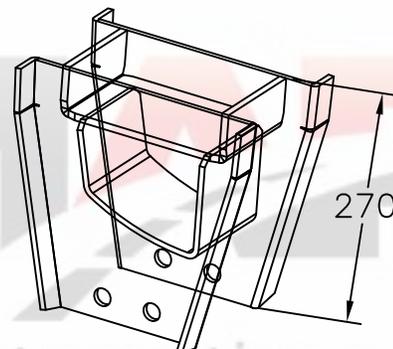
**75.73**  
 Suporte traseiro do TE



**75.74**  
 Suporte dianteiro do SR c/ bucha cônica

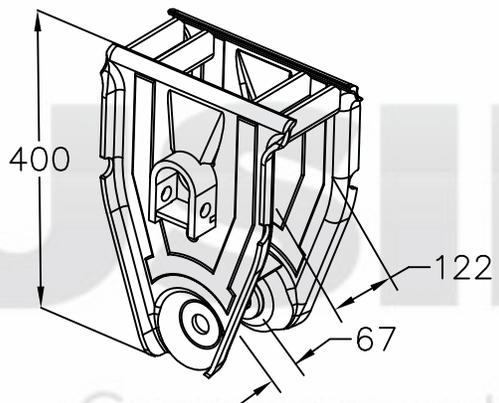


**77.11**  
 Suporte traseiro do SR carrega tudo

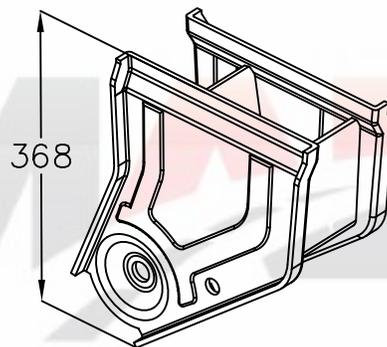


**77.10**  
 Suporte dianteiro do SR carrega tudo

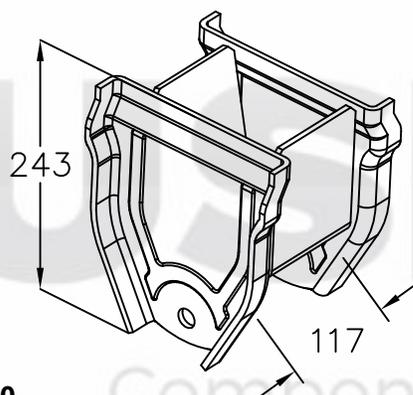
# FACCHINI



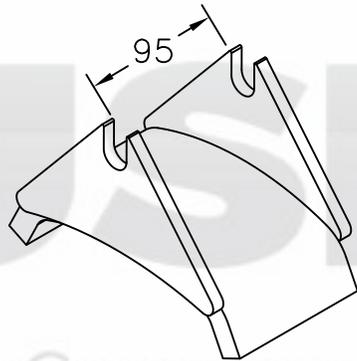
**77.28**  
Suporte central do SR p/ pino Ø50,85 STD 2015



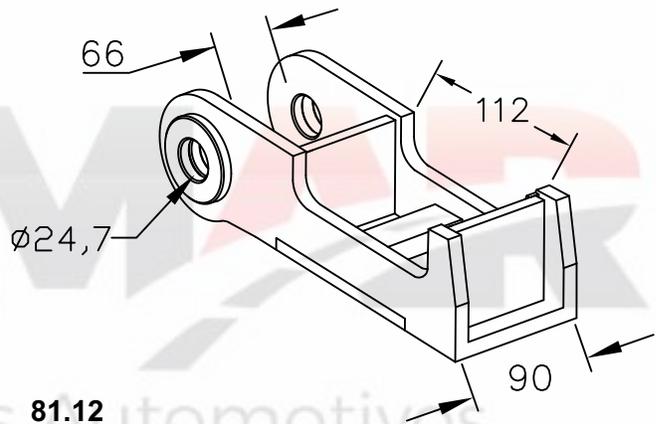
**77.29**  
Suporte dianteiro do SR STD 2015



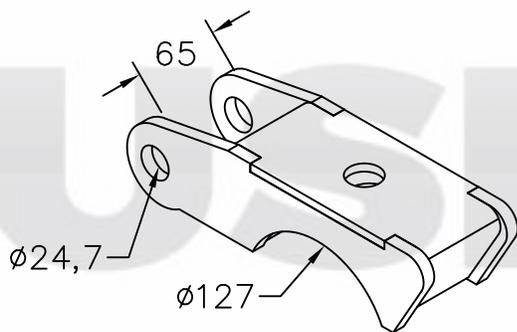
**77.30**  
Suporte traseiro do SR STD 2015



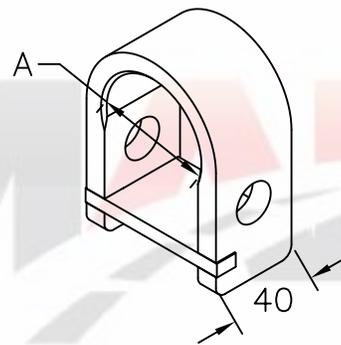
**80.06**  
Deslizante do suporte dianteiro e traseiro



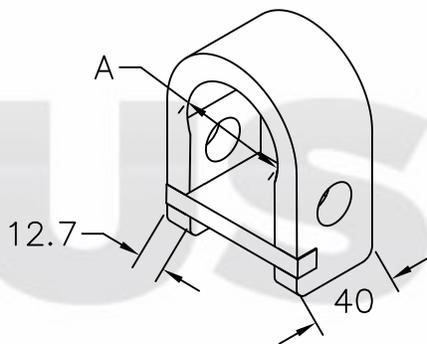
**81.12**  
Sapata p/ bucha molecular do SR retângular



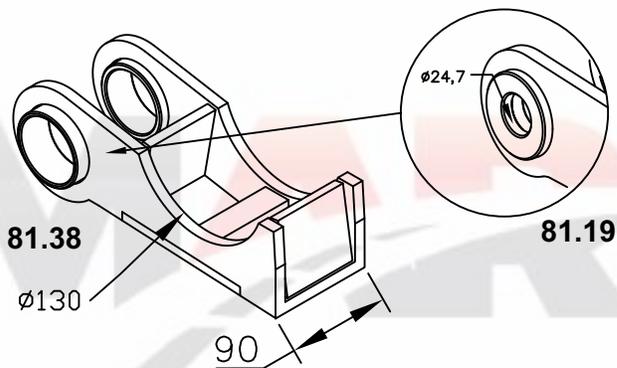
**81.18**  
Sapata do feixe de mola SR 2004



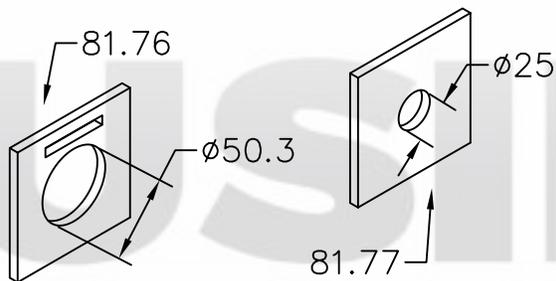
Mancal do pino da balança do SR  
**81.34** - A = P/ pino  $\phi 50\text{mm}$   
**81.35** - A = P/ pino  $\phi 50,85\text{mm}$



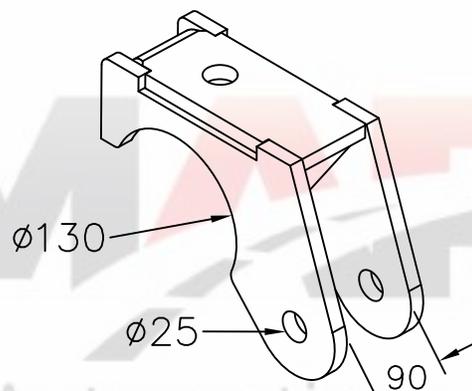
Mancal do pino da balança do SR em 1/2"  
**81.36** - A = P/ pino  $\phi 50\text{mm}$   
**81.37** - A = P/ pino  $\phi 50,85\text{mm}$



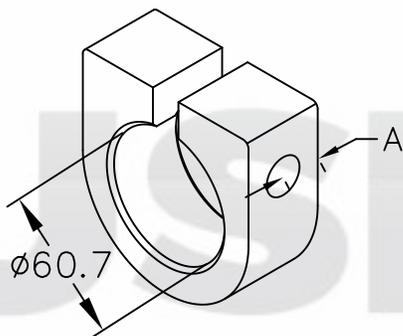
**81.38**  
Sapata do SR  
**81.38** - c/ bucha cônica  
**81.19** - p/ bucha molecular (moderno)



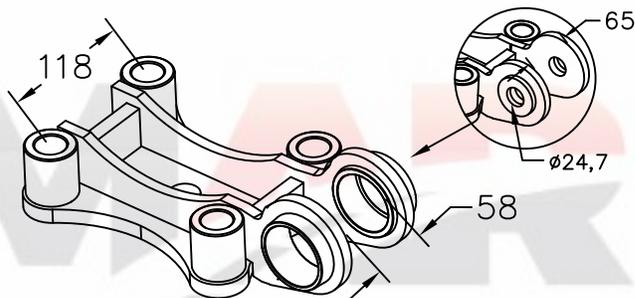
Arruela da balança distanciada pino  $\phi 60\text{mm}$   
**81.76** - Arruela externa  
**81.77** - Arruela interna



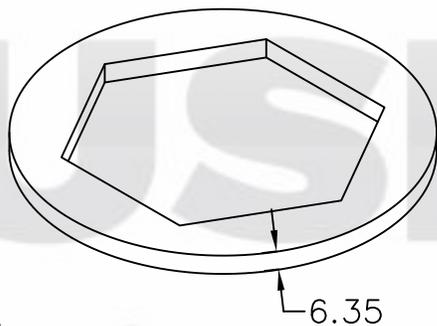
**81.80**  
Sapata superior do SR carrega tudo



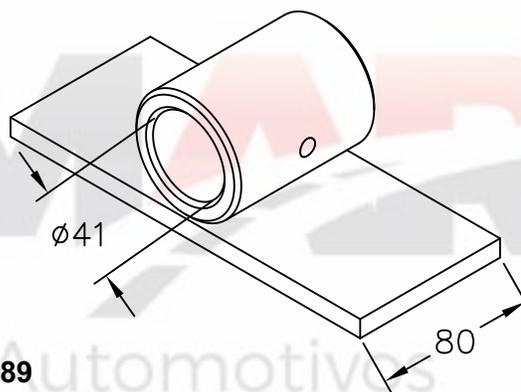
Mancal do pino da balança do SR  
**82.28** - Furo centralizado  
**82.84** - Furo deslocado A = 21mm



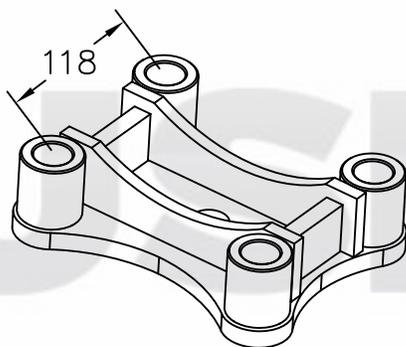
Sapata inferior do SR carrega tudo  
**82.32** - C/ bucha cônica  
**83.11** - P/ bucha molecular



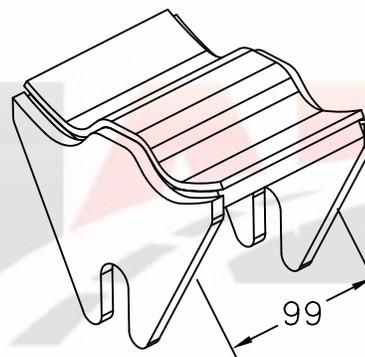
**82.74**  
 Arruela p/ cabeça do pino tensor balança  
 distanciada



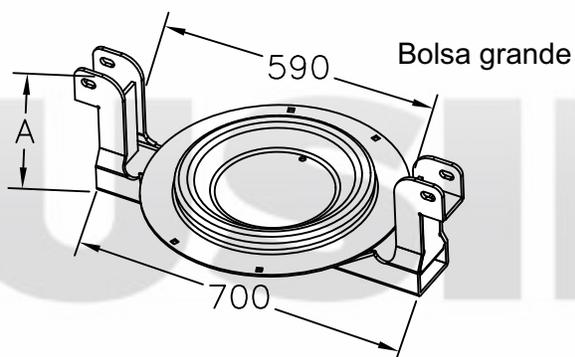
**82.89**  
 Deslizante do TE



**83.12**  
 Sapata inferior do SR carrega tudo sem pescoço

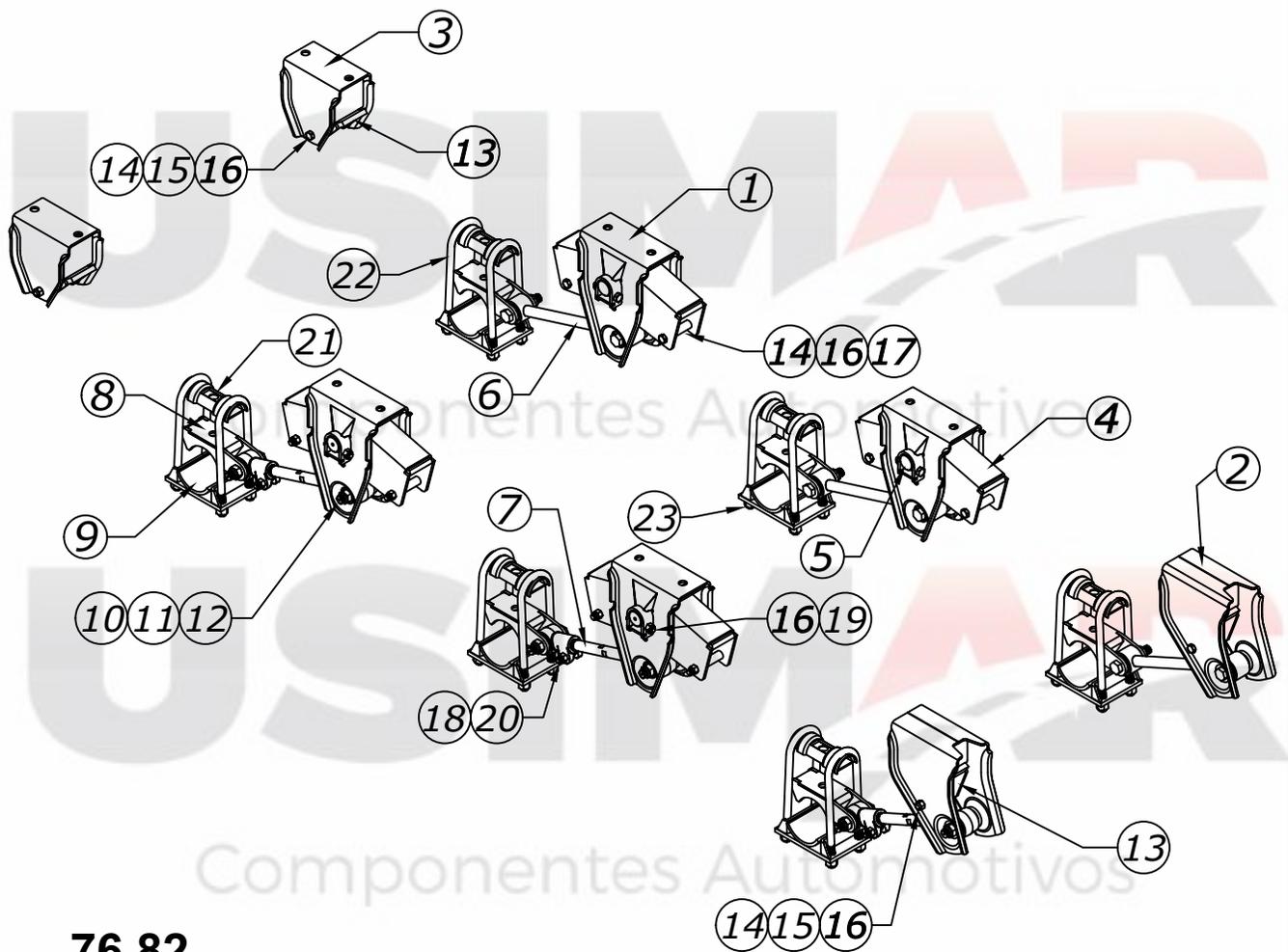


**83.45**  
 Deslizante do SR 2019



Base inferior do suspensor pneumático do SR  
**93.55** - A = 190mm  
**93.56** - A = 115mm

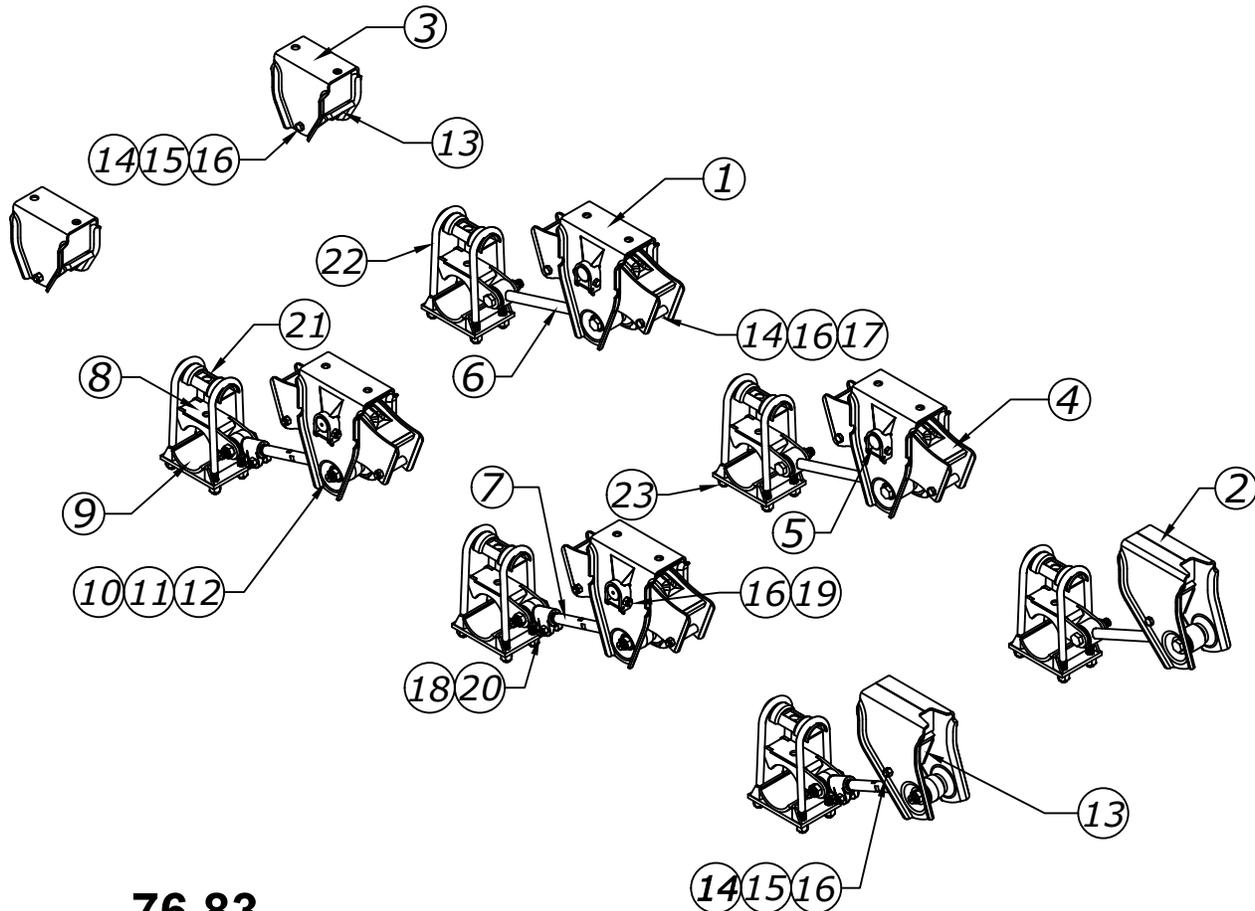




**76.82**

**Suspensão 03 eixos p/ pino Ø50,85mm do SR Facchini**

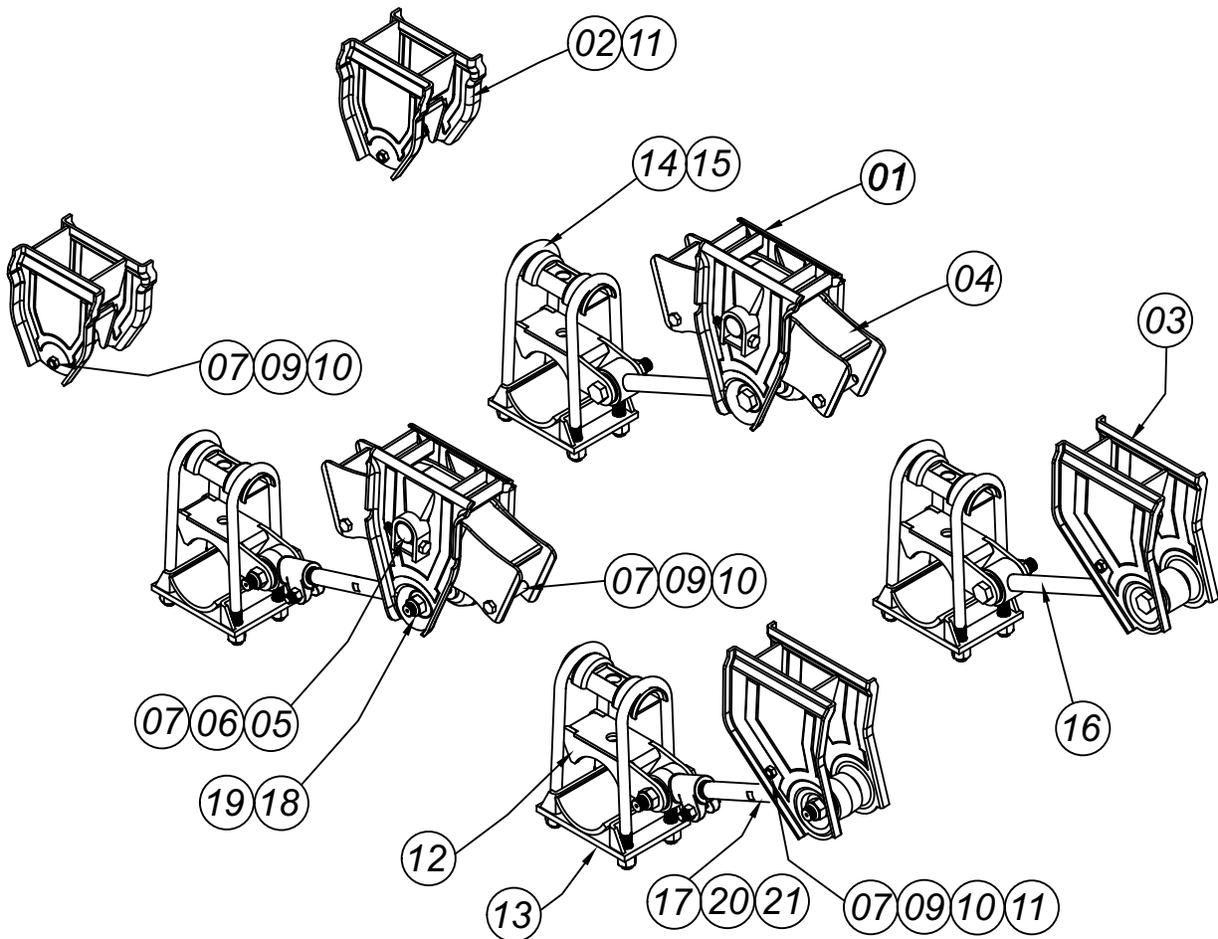
Nº	Qtd.	Código	Denominação
01	04	72.96	Suporte central
02	02	74.17	Suporte dianteiro
03	02	73.72	Suporte traseiro
04	04	70.63	Balança p/ pino Ø50,85mm
05	04	40.42	Pino Ø50,85mm da balança
06	03	60.30	Tensor fixo 480mm
07	03	60.90	Tensor regulável 480mm (luvas fundidas)
08	06	81.18	Sapata superior eixo redondo
09	06	80.64	Sapata inferior eixo redondo
10	12	90.63	Bucha molecular
11	12	41.16	Pino do tensor
12	12	50.26	Porca do pino do tensor
13	04	80.06	Deslizante dos suportes diant/tras
14	12	82.04	Tubo
15	04		Parafuso sextavado 5/8" x 6"
16	20		Porca sext. 5/8" autotravante
17	08		Parafuso sextavado 5/8" x 5"
18	06		Parafuso sextavado M16 x 80mm
19	08		Parafuso sextavado 5/8" x 3.1/2"
20	06		Porca sextavada M16 autotravante
21	06	82.03	Separador de grampo
22	06		Grampo de mola tipo "C" 7/8" x 92 x 360
23	24	50.05	Porca sextavada dupla 7/8"



## 76.83

Suspensão 03 eixos p/ pino Ø50,85mm do SR mod. 2013 Facchini

Nº	Qtd.	Código	Denominação
01	04	72.96	Suporte central
02	02	74.17	Suporte dianteiro
03	02	73.72	Suporte traseiro
04	04	70.79	Balança p/ pino Ø50,85mm
05	04	40.42	Pino Ø50,85mm da balança
06	03	60.30	Tensor fixo 480mm
07	03	60.90	Tensor regulável 480mm (luvas fundidas)
08	06	81.18	Sapata superior eixo redondo
09	06	80.64	Sapata inferior eixo redondo
10	12	90.63	Bucha molecular
11	12	41.16	Pino do tensor
12	12	50.26	Porca do pino do tensor
13	04	80.06	Deslizante dos suportes diant/tras
14	12	82.04	Tubo
15	04		Parafuso sextavado 5/8" x 6"
16	20		Porca sext. 5/8" autotravante
17	08		Parafuso sextavado 5/8" x 5"
18	06		Parafuso sextavado M16 x 80mm
19	08		Parafuso sextavado 5/8" x 3.1/2"
20	06		Porca sextavada M16 autotravante
21	06	82.03	Separador de grampo
22	06		Grampo de mola tipo "C" 7/8" x 92 x 360
23	24	50.05	Porca sextavada dupla 7/8"



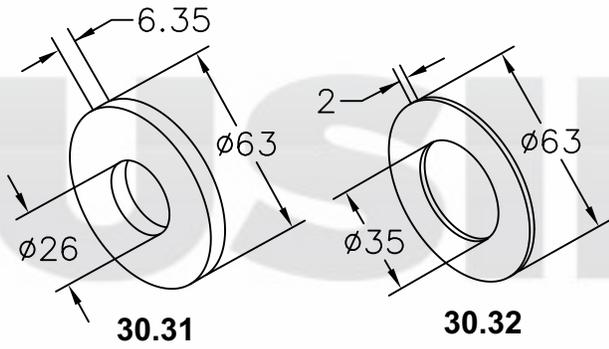
Suspensão facchini Standard 2015

**77.31 - 2 EIXOS**

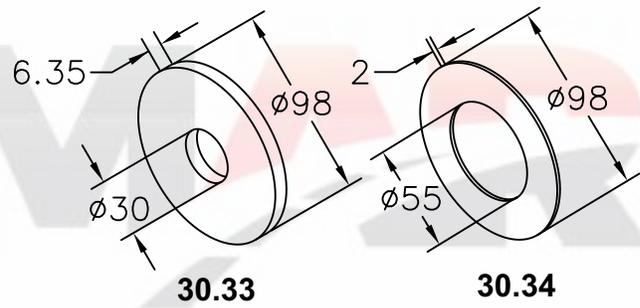
**77.32 - 3 EIXOS**

N°	Qtd.	Código	Denominação
01	02	77.28	Suporte central
02	02	77.30	Suporte traseiro
03	02	77.29	Suporte dianteiro
04	02	77.25	Balança STD
05	02	40.42	Pino da balança
06	04		Parafuso sext. 5/8" x 4"
07	12		Porca autotravante 5/8"
08	04		Parafuso sext. 5/8" x 5"
09	08		Tubo 1"
10	04		Parafuso sext 5/8" x 6"
11	04	83.45	Deslizante
12	04	81.18	Sapata Superior
13	04	80.64	Sapata Inferior
14	08		Grampo 7/8" x 345mm
15	08		Porca 7/8" dupla
16	02	60.30	Tensor Fixo
17	02	60.90	Tensor Regulável
18	08	41.16	Pino do tensor M24x125
19	08	50.26	Porca M24 autotravante
20	04		Parafuso M16x80mm
21	04		Porca M16 autotravante

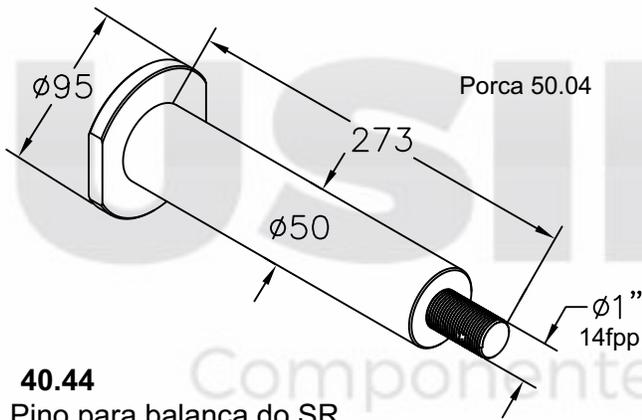
N°	Qtd.	Código	Denominação
01	04	77.28	Suporte central
02	02	77.30	Suporte traseiro
03	02	77.29	Suporte dianteiro
04	04	77.25	Balança STD
05	04	40.42	Pino da balança
06	08		Parafuso sext. 5/8" x 4"
07	20		Porca autotravante 5/8"
08	04		Parafuso sext. 5/8" x 5"
09	12		Tubo 1"
10	04		Parafuso sext 5/8" x 6"
11	04	83.45	Deslizante
12	06	81.18	Sapata Superior
13	06	80.64	Sapata Inferior
14	12		Grampo 7/8" x 345mm
15	12		Porca 7/8" dupla
16	03	60.30	Tensor Fixo
17	03	60.90	Tensor Regulável
18	12	41.16	Pino do tensor M24x125
19	12	50.26	Porca M24 autotravante
20	06		Parafuso M16x80mm
21	06		Porca M16 autotravante



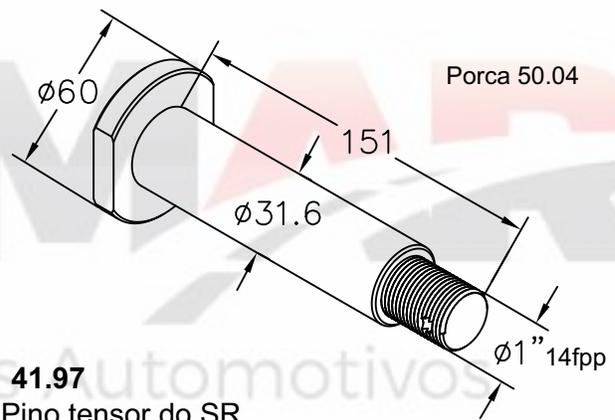
Arruela do pino tensor



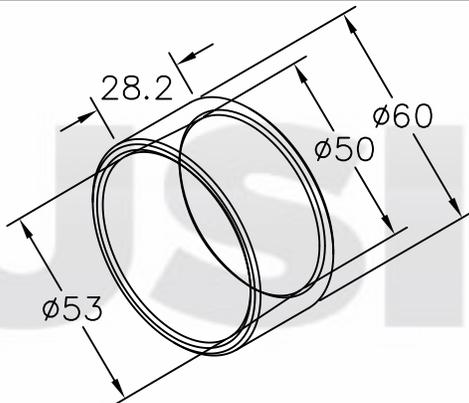
Arruela do pino da balança



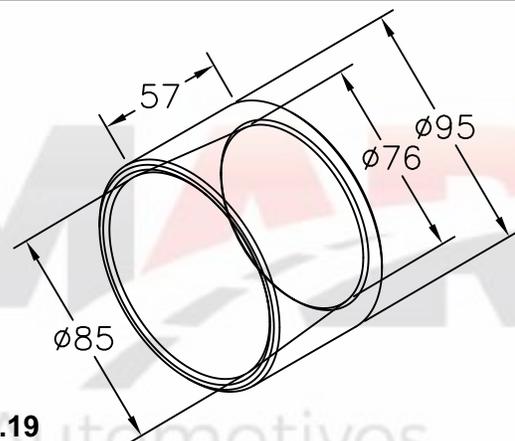
**40.44**  
Pino para balança do SR



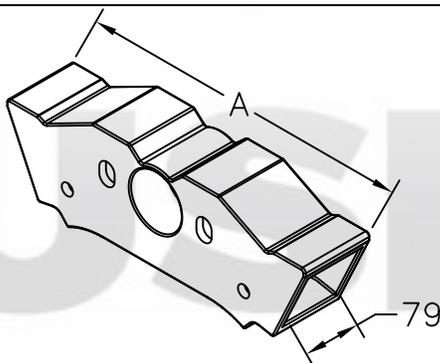
**41.97**  
Pino tensor do SR



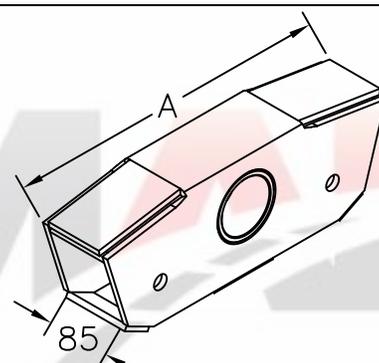
**51.11**  
Bucha cônica para pino tensor do suporte estampado do SR



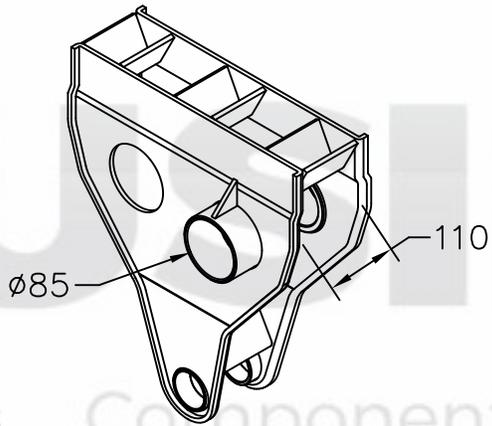
**51.19**  
Bucha cônica para suporte estampado do SR



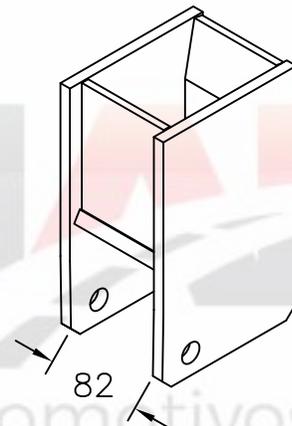
Balança fundida com bucha cônica do SR  
**70.81:** A = 500mm  
**70.84:** A = 450mm



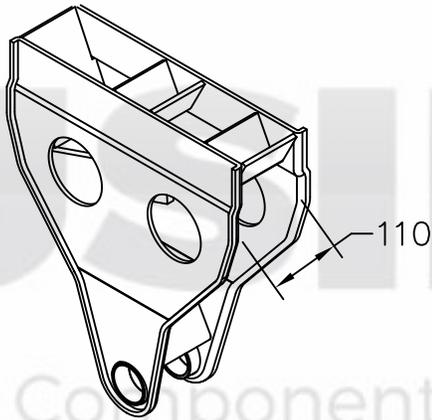
Balança do SR com bucha cônica  
**70.82:** A = 440mm  
**70.83:** A = 480mm



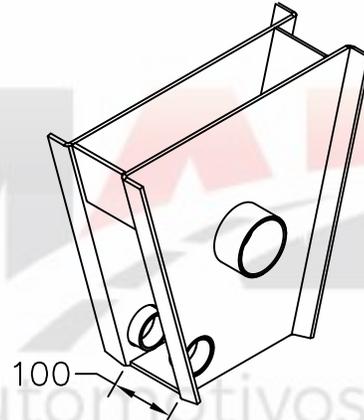
**74.72**  
Suporte central do SR c/ bucha cônica



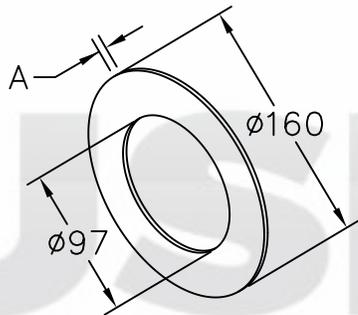
**75.75**  
Suporte traseiro do SR



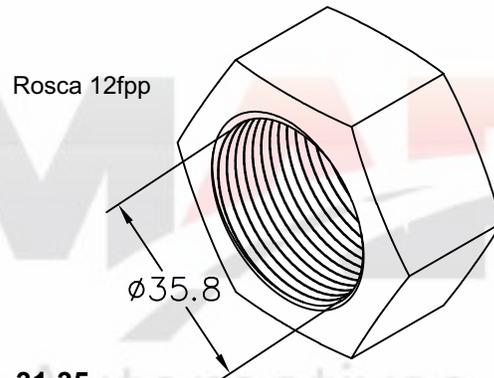
**75.76**  
Suporte dianteiro do SR



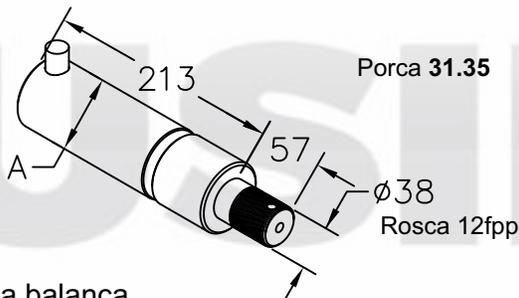
**75.77**  
Suporte central do SR



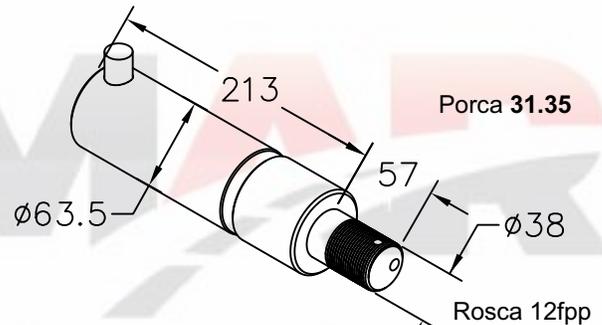
Arruela de encosto da balança  
**30.35** - A = 2,65mm  
**30.36** - A = 4,25mm  
**30.37** - A = 1/4"



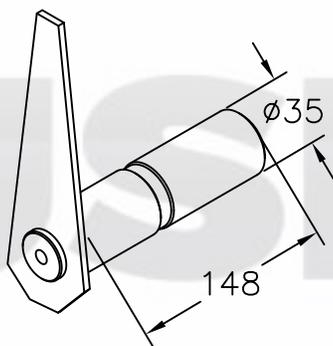
**31.35**  
 Porca para pino da balança do TE



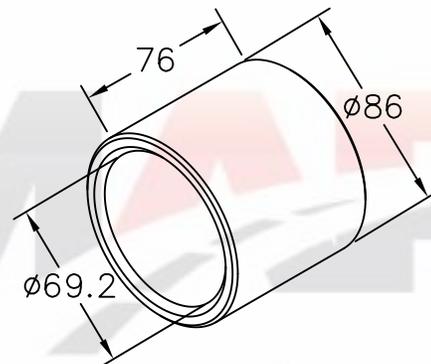
Pino da balança  
**40.45** - A = Ø63,5mm (TE)  
**40.46** - A = Ø63,5mm corpo 225mm (TE LS)  
**40.47** - A = Ø60mm (TE)



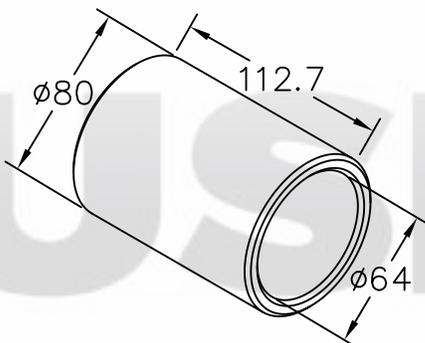
**40.48**  
 Pino da balança do TE modelo original



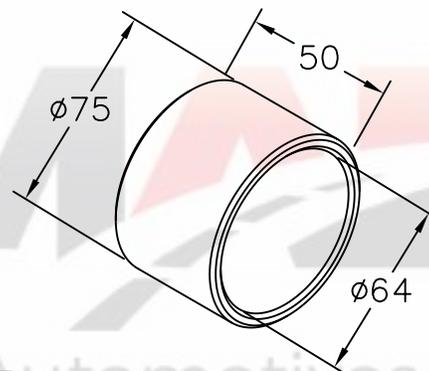
**41.32**  
 Pino do deslizante do TE



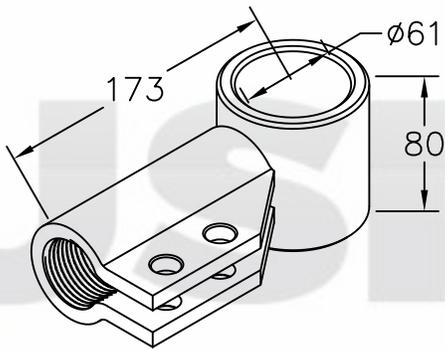
**51.14**  
 Bucha para ponteira do tensor do TE



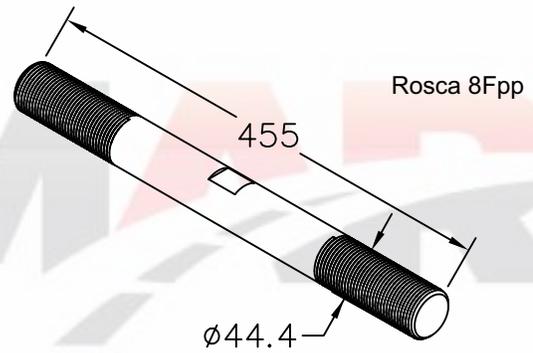
Bucha interna para balança do TE  
**51.31** - A = Ø80mm B = 112,7mm  
**50.94** - A = Ø81,3mm B = 110mm



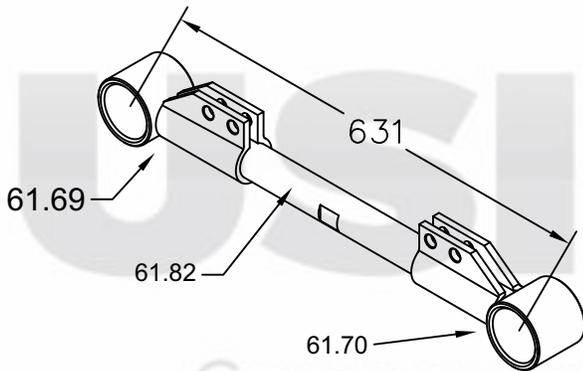
**51.47**  
 Bucha interna da balança do SR



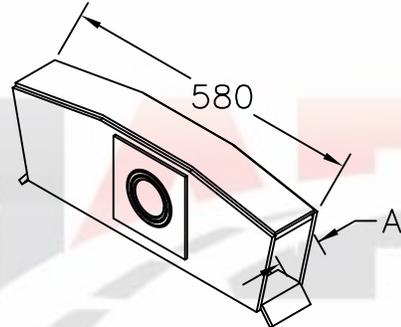
Luva do tensor  
**61.69** - RD  
**61.70** - RE



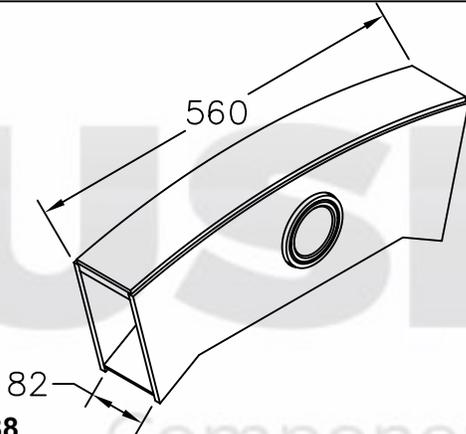
**61.82**  
 Fuso para tensor regulável do TE



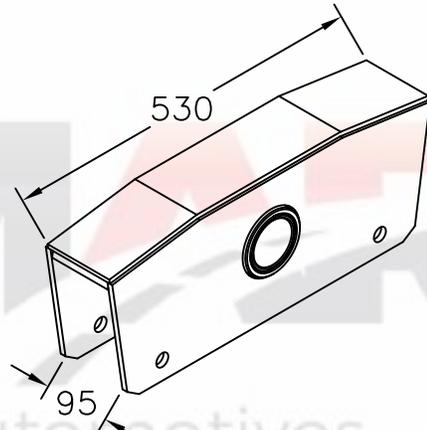
**62.11**  
 Tensor regulável do TE



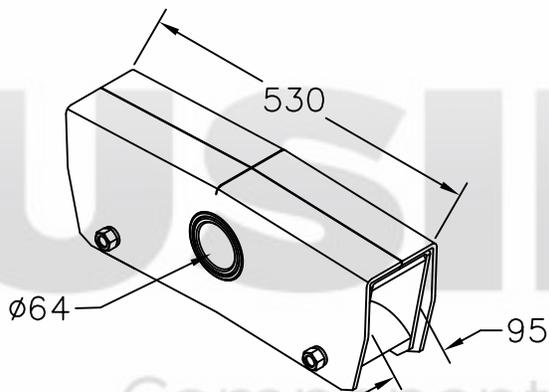
Balança do TE para pino Ø63,5mm  
**70.85** - A = 83mm  
**70.86** - A = 95mm  
**70.87** - A = 105mm



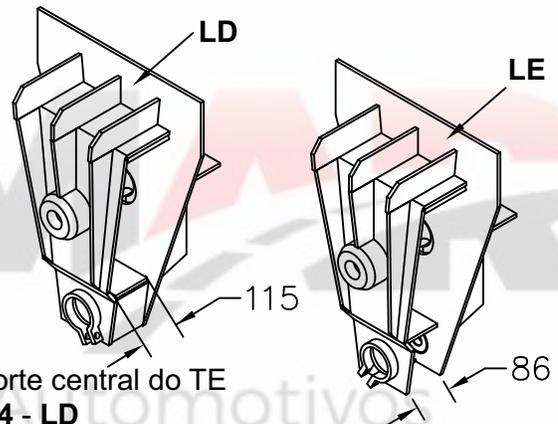
**70.88**  
 Balança do TE para pino Ø63,5mm



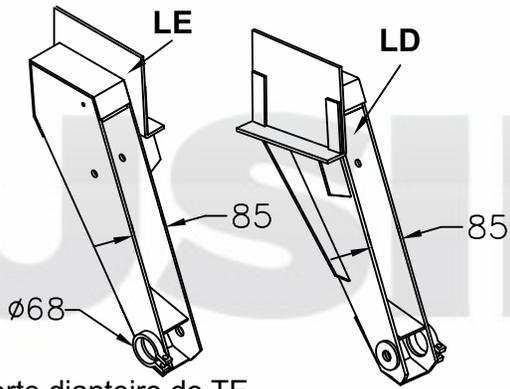
**70.89**  
 Balança do SR para pino Ø63,5mm



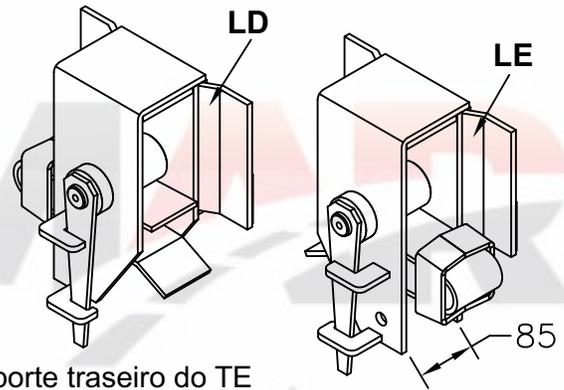
**75.05**  
 Balança p/ pino Ø63,5mm do SR canavieiro



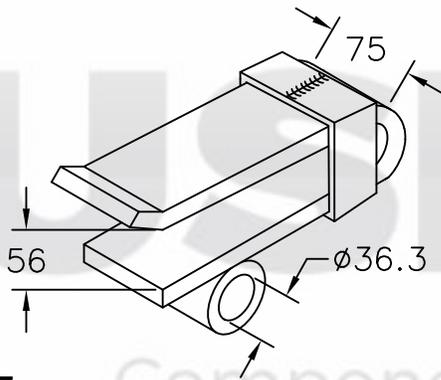
Suporte central do TE  
**75.84** - LD  
**75.83** - LE



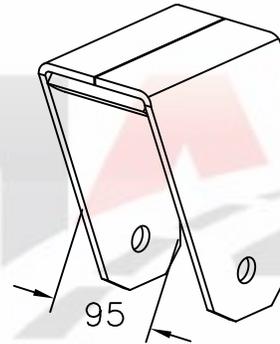
Suporte dianteiro do TE  
**75.85 - LE**  
**75.86 - LD**



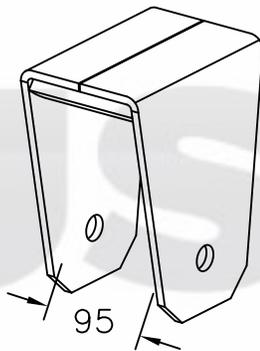
Suporte traseiro do TE  
**74.87 - LD**  
**74.88 - LE**



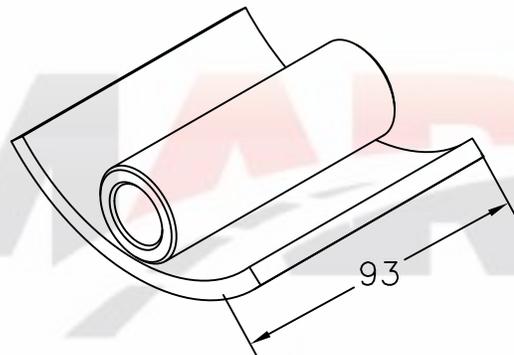
**81.17**  
 Deslizante para suporte traseiro do TE



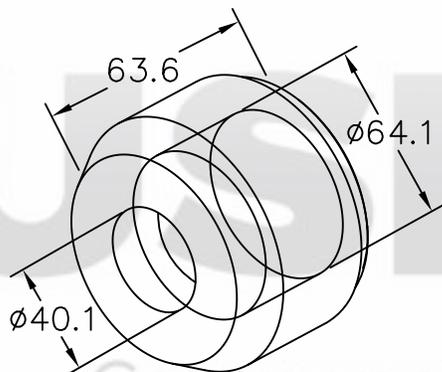
**83.17**  
 Deslizante móvel do suporte traseiro do canaveiro



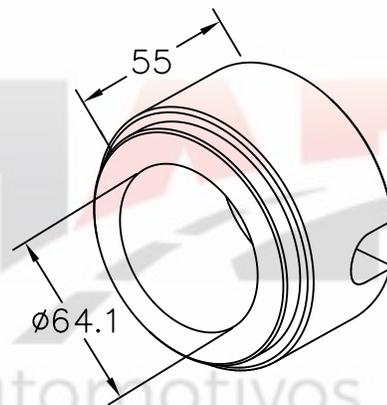
**83.18**  
 Deslizante móvel da balança do canaveiro



**83.19**  
 Deslizante inferior da balança do canaveiro

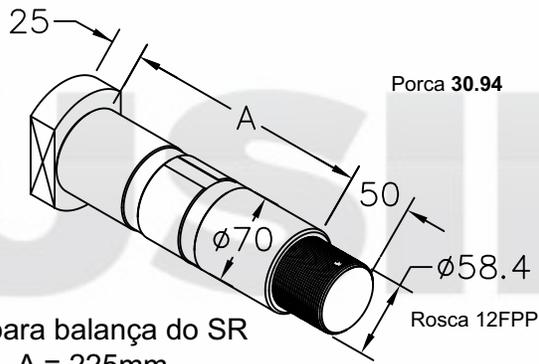


**83.22**  
 Mancal para pino da balança do TE

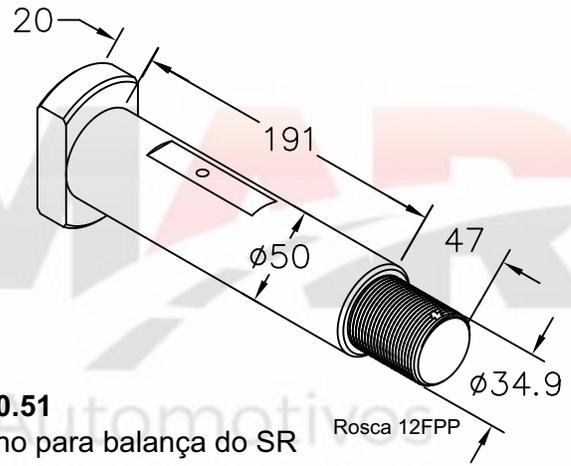


**83.23**  
 Mancal para pino da balança do TE

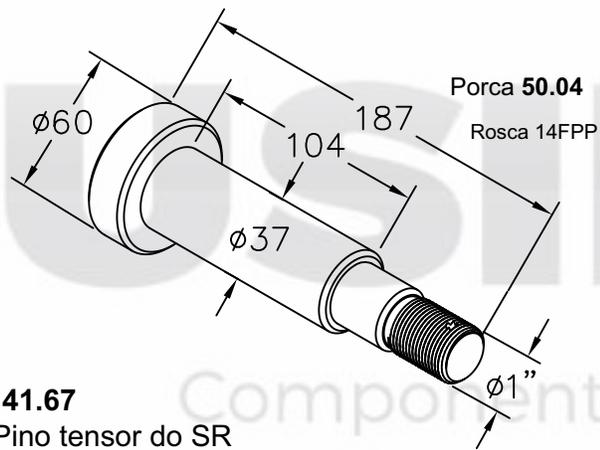




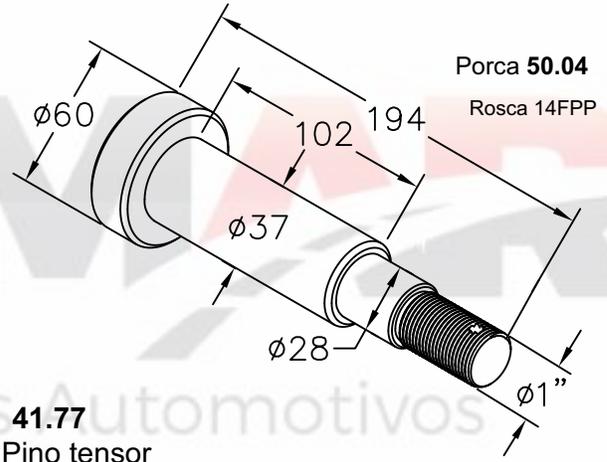
Pino para balança do SR  
**40.49** - A = 225mm  
**40.50** - A = 205mm  
**40.55** - A = 200mm



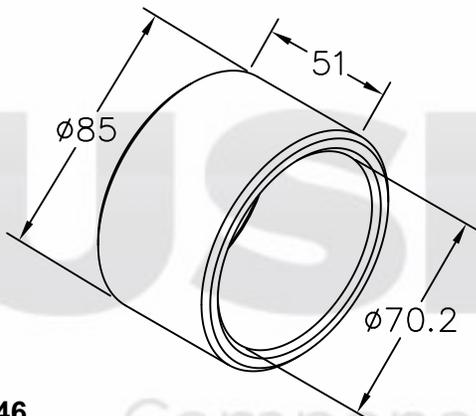
**40.51**  
 Pino para balança do SR



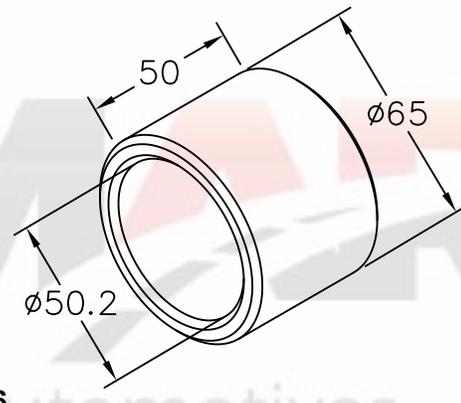
**41.67**  
 Pino tensor do SR



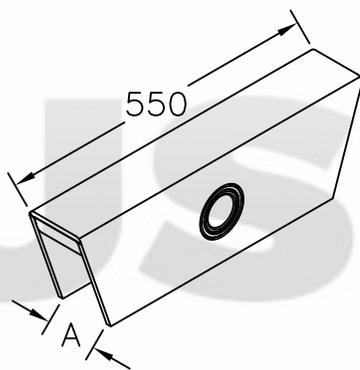
**41.77**  
 Pino tensor



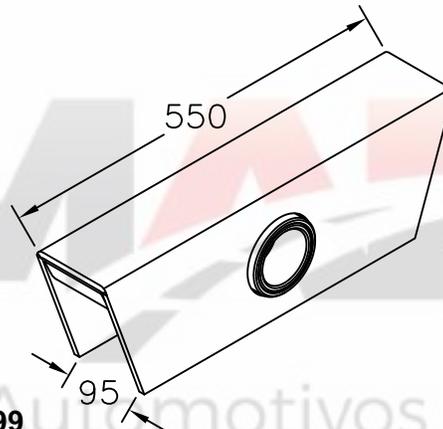
**50.46**  
 Buchta interna para balança do SR



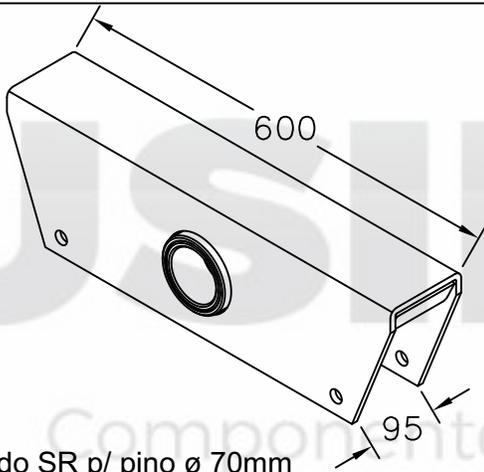
**51.16**  
 Buchta da balança do TE



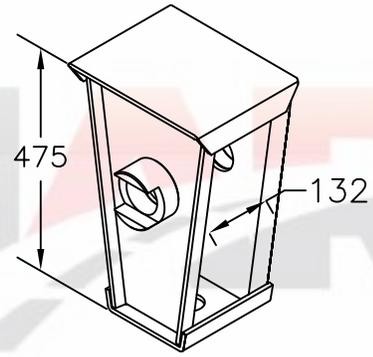
Balança do p/ pino de  $\varnothing$  50mm  
**72.98** - A = 85mm (TE)  
**75.42** - A = 95mm (SR)



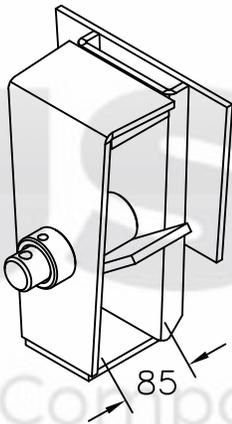
**72.99**  
 Balança do SR para pino  $\varnothing$  70mm



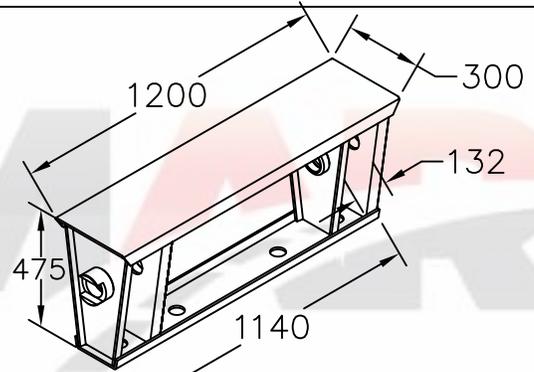
**73.00**  
Balança do SR p/ pino  $\varnothing$  70mm



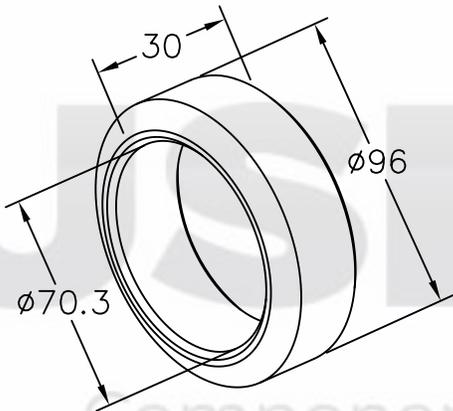
**75.29**  
Suporte central do SR para pino  $\varnothing$  70mm do SR 2010



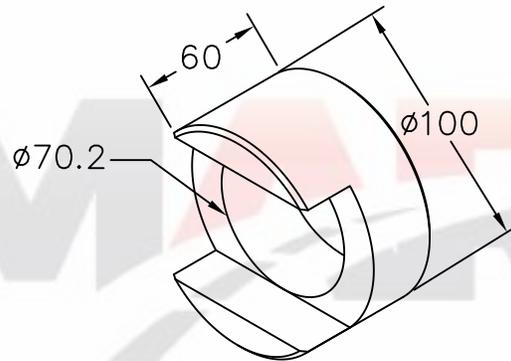
**75.87**  
Suporte traseiro do TE



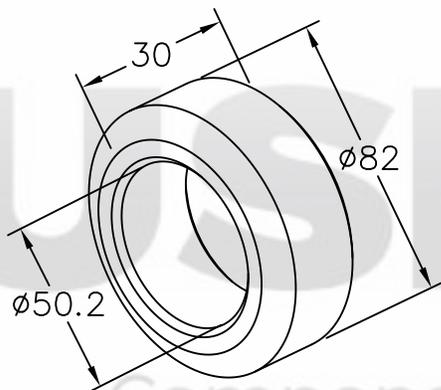
**75.88**  
Cadeira central do SR para pino  $\varnothing$  70mm do SR 2010



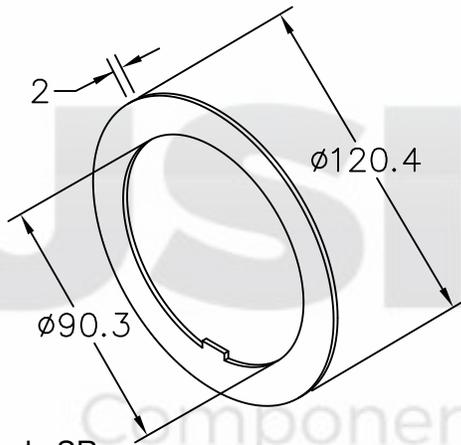
**81.31**  
Mancal interno para pino da balança do SR



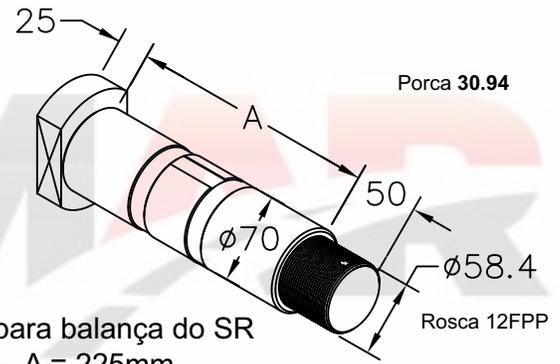
**82.34**  
Mancal externo para pino da balança do SR



**83.60**  
Mancal interno para pino da balança

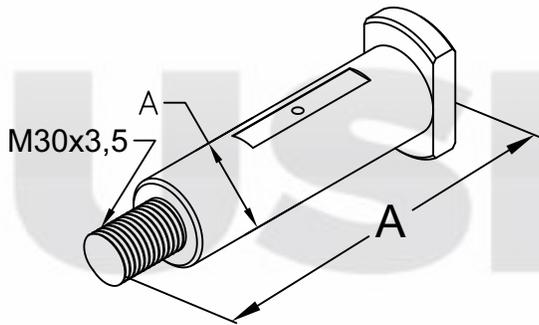


**30.07**  
Arruela do SR

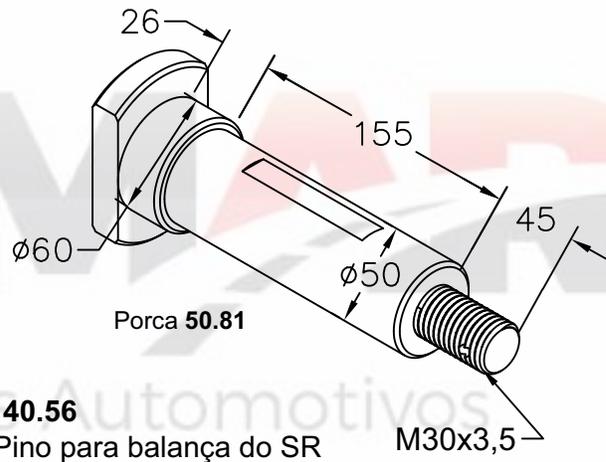


Pino para balança do SR  
**40.49** - A = 225mm  
**40.50** - A = 205mm  
**40.55** - A = 200mm

Porca **30.94**  
 Rosca 12FPP



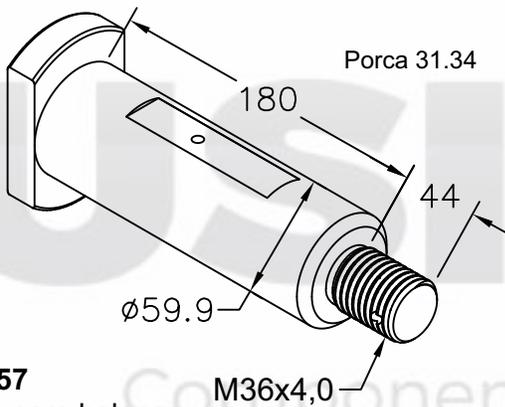
Pino para balança  
**40.52** - Ø50 A=230mm (TE, Porca 50.81)  
**40.54** - Ø60 A=272mm (SR, Porca 50.81)



**40.56**  
Pino para balança do SR

Porca **50.81**

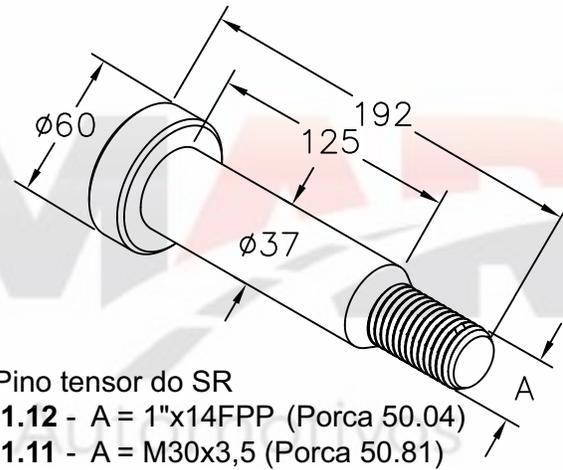
M30x3,5



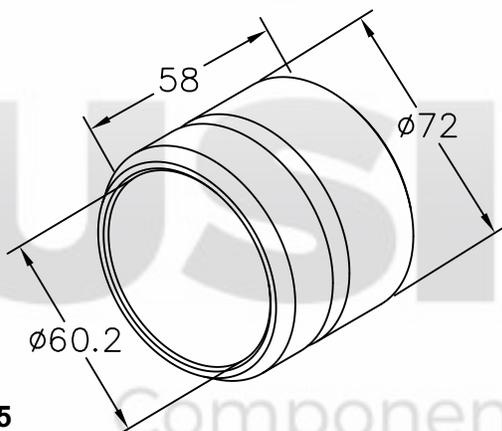
**40.57**  
Pino para balança

M36x4,0

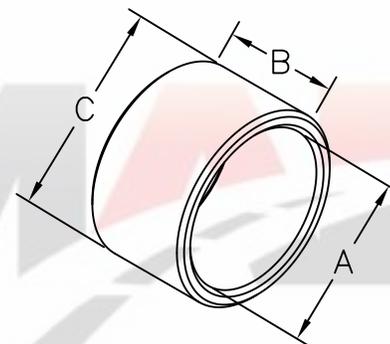
Porca **31.34**



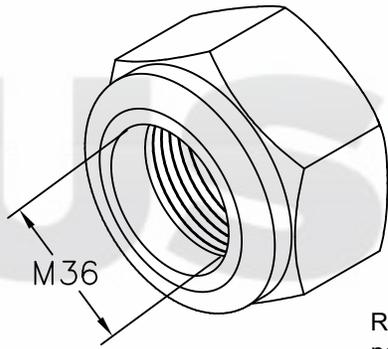
Pino tensor do SR  
**41.12** - A = 1"x14FPP (Porca 50.04)  
**41.11** - A = M30x3,5 (Porca 50.81)



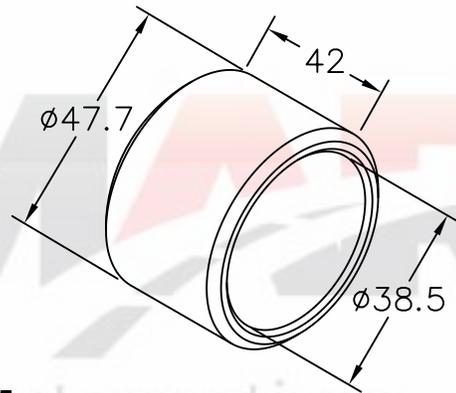
**50.45**  
Bucha interna para balança do SR



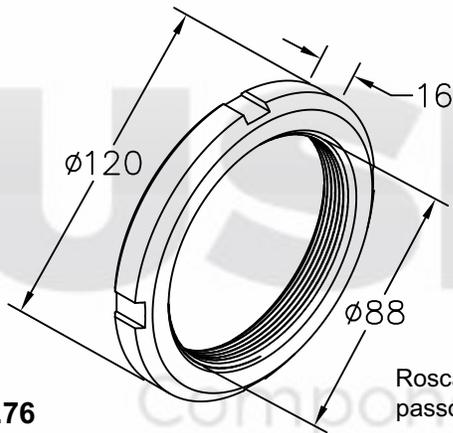
Bucha interna para balança  
**50.46** - A = Ø70,2mm B = 51mm C = Ø85mm **SR**  
**50.90** - A = Ø50,2mm B = 50mm C = Ø63mm **TE**



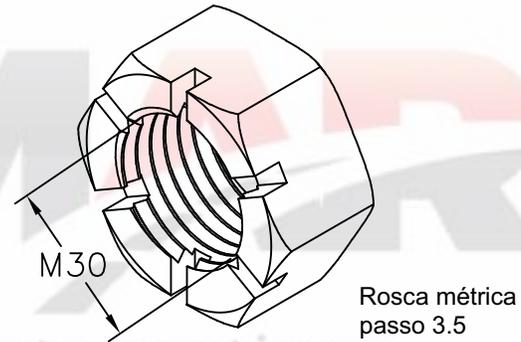
**31.34**  
Porca autotravante do pino da balança  
Rosca métrica  
passo 4



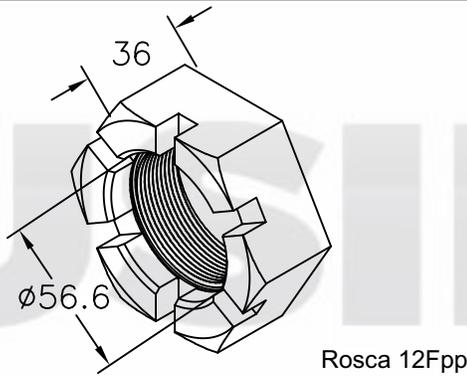
**50.75**  
Buchta de ferro para suporte do varão do 'S'



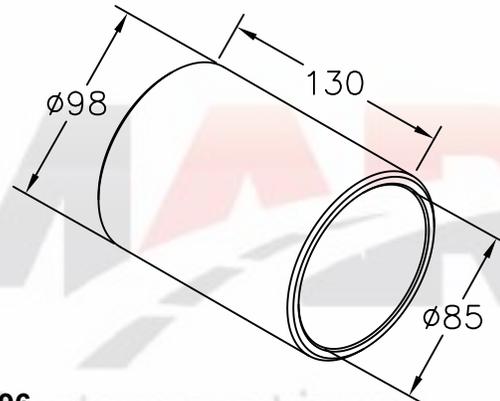
**50.76**  
Porca para eixo do SR  
Rosca métrica  
passo 2



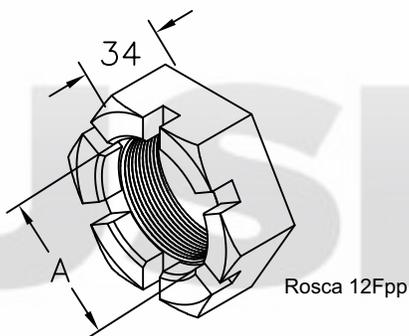
**50.81**  
Porca castelo do pino tensor do SR  
Rosca métrica  
passo 3.5



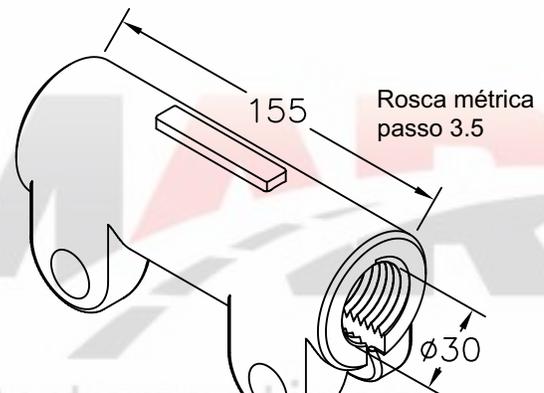
**50.95**  
Porca castelo para pino de balança  $\phi$  70mm  
do SR  
Rosca 12Fpp



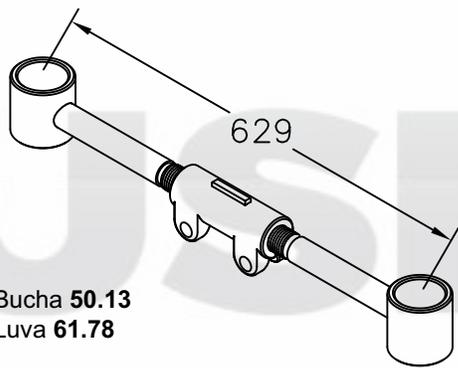
**50.96**  
Buchta externa para balança do SR



Porca castelo  
**51.17** - A =  $\phi$ 58,1mm (Pino rei)  
**30.94** - A =  $\phi$ 56,6mm (Balança do SR)

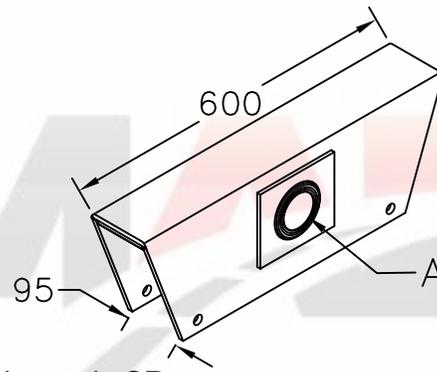


**61.78**  
Luva fundida do tensor regulável  
Rosca métrica  
passo 3.5

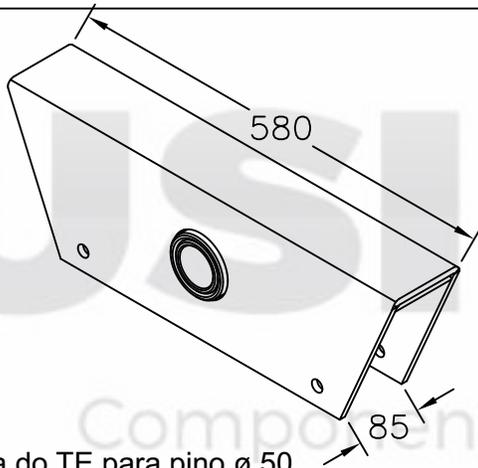


Buchas 50.13  
Luva 61.78

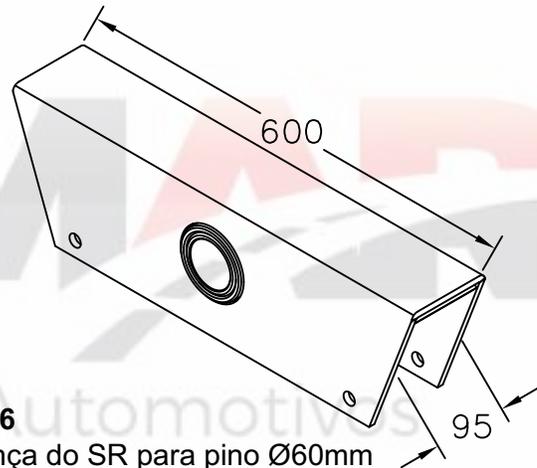
**61.84**  
Tensor regulável do SR modelo 95



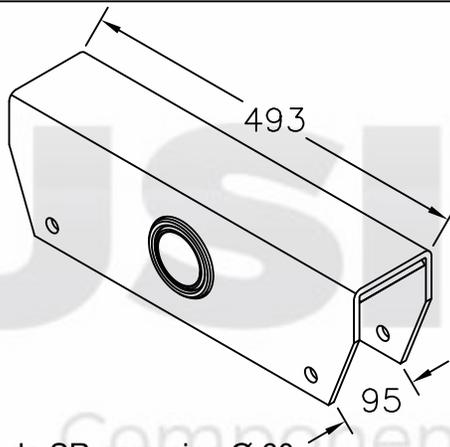
Balança do SR  
71.03 - A = P/ pino Ø60mm  
71.04 - A = P/ pino Ø70mm



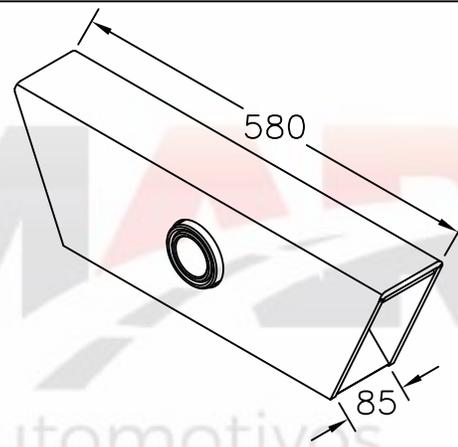
**71.05**  
Balança do TE para pino ø 50



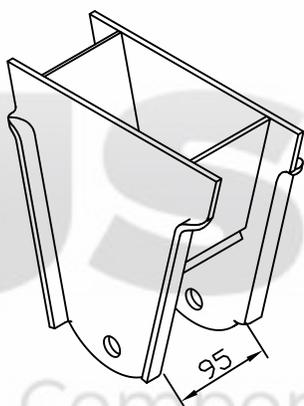
**71.06**  
Balança do SR para pino Ø60mm



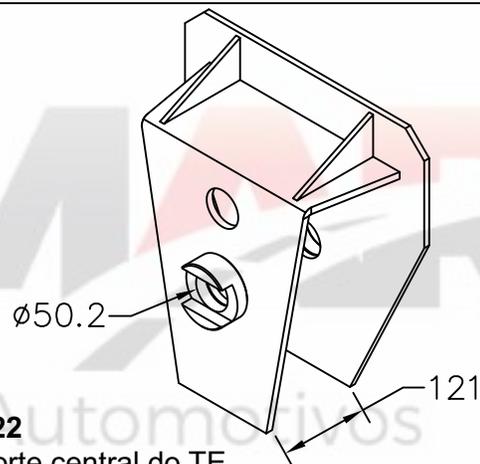
**71.07**  
Balança do SR para pino Ø 60



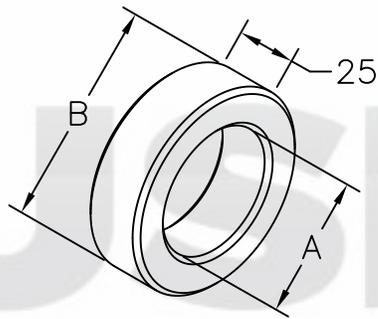
**74.28**  
Balança do TE para pino ø 50mm



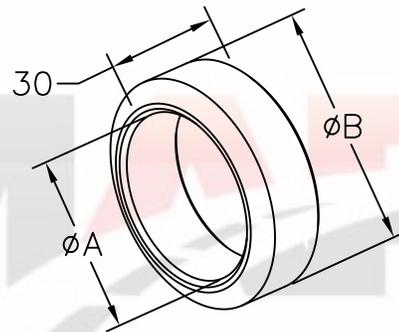
**73.79**  
Suporte traseiro estampado do SR



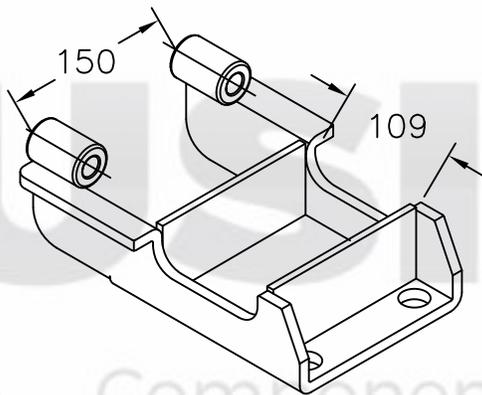
**75.22**  
Suporte central do TE



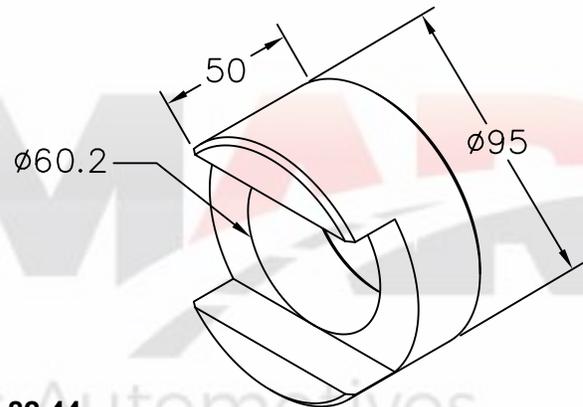
Mancal interno para pino da balança do TE  
**81.30** - A = Ø50,5mm B = 81,2mm  
**82.43** - A = Ø52,5mm B = 88mm



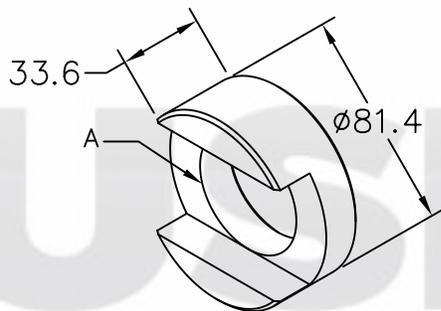
Mancal do SR interno do pino da balança  
**81.31** - A = Ø70,2mm B = Ø88mm  
**81.32** - A = Ø60,2mm B = Ø88mm



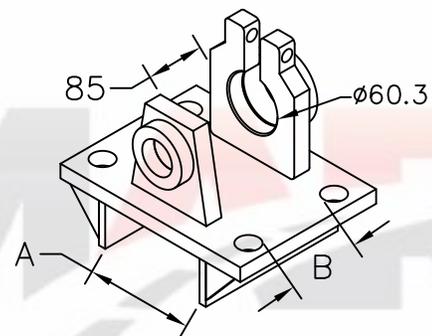
**82.13**  
 Sapata inferior do SR



**82.44**  
 Mancal externo para pino da balança

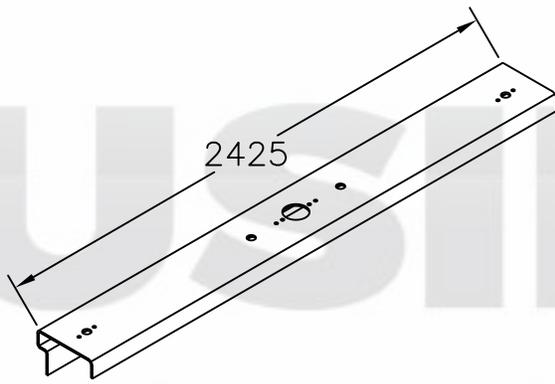


Mancal externo para pino da balança  
**82.45** - A = Ø50,2mm  
**82.46** - A = Ø52,5mm

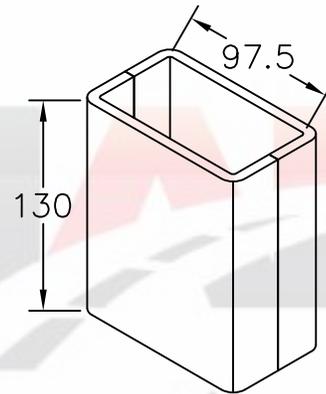


Sapata do TE ou SR  
**82.56** - A = 118mm B = 82mm (TE)  
**82.76** - A = 112mm B = 92mm (SR)

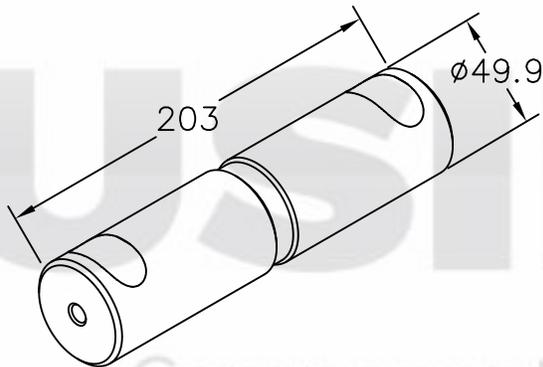
# LIBRELATO



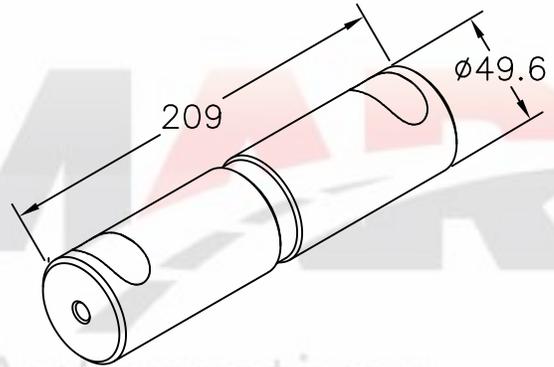
**25.29**  
Perfil dianteiro do SR



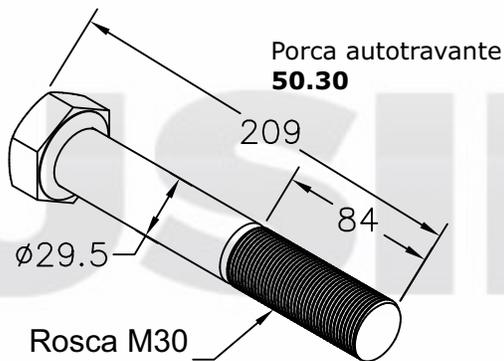
**25.30**  
Caixa do fueiro do SR



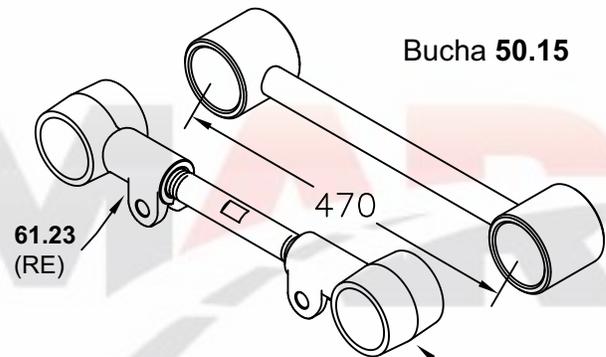
**40.01**  
Pino da balança do SR



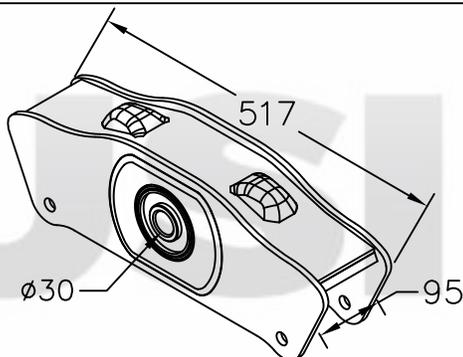
**40.02**  
Pino da balança do TE



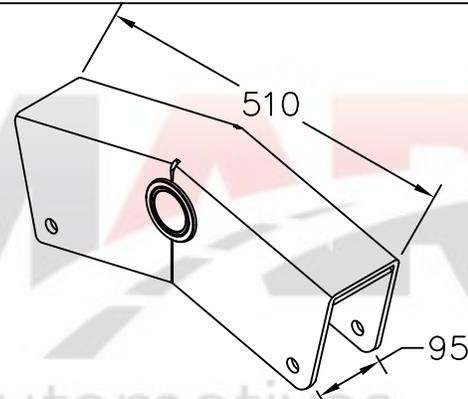
**40.58**  
Pino da balança do SR



**61.23** (RE)  
**61.24** (RD)  
Tensor do SR 2019  
**62.79** - Fixo  
**62.78** - Regulável

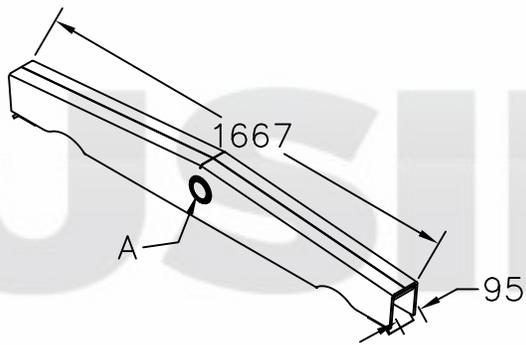


Balança do SR  
**70.25** - C/ bucha molecular  
**70.26** - S/ bucha molecular

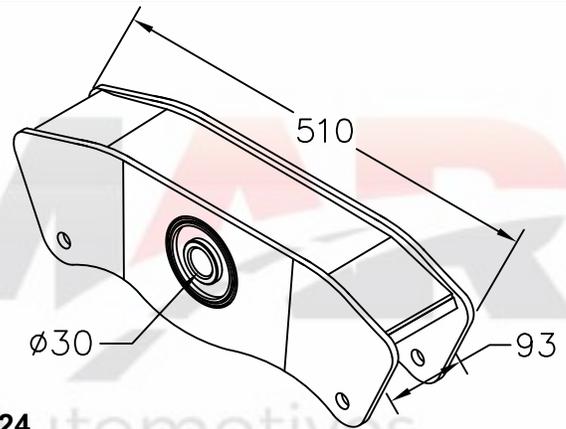


**70.90**  
Balança do SR p/ pino  $\varnothing$  50mm suspensão c/ bucha tensor Nakata

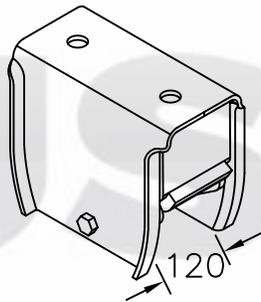
# LIBRELATO



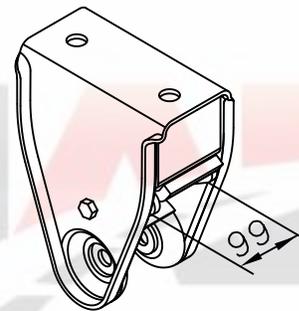
Balança distanciada do SR  
**74.31** - A = P/ pino Ø50mm  
**75.13** - A = P/ pino Ø60mm



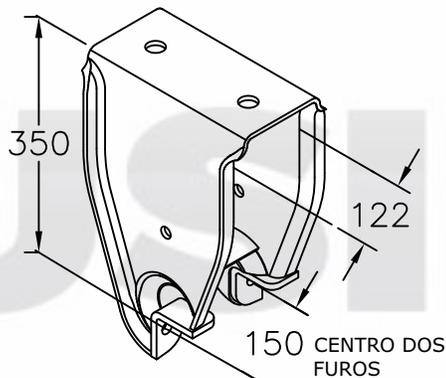
**77.24**  
 Balança do SR 2019 bucha molecular



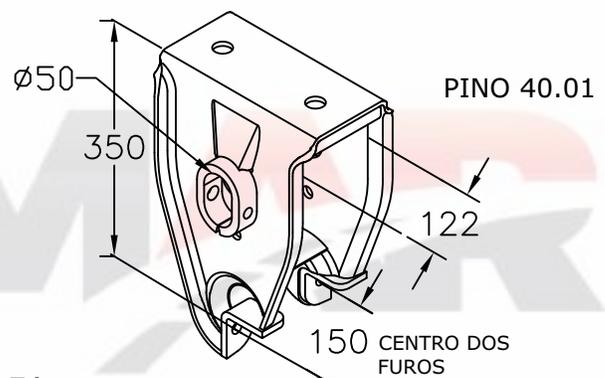
Suporte traseiro do SR com esfrega móvel  
**71.62** - Com esfrega móvel  
**71.63** - Sem esfrega móvel



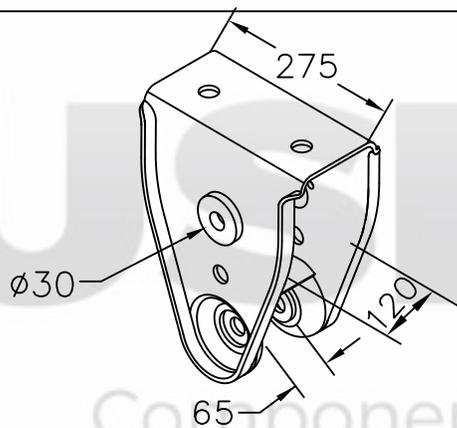
Suporte dianteiro do SR  
**71.66** - Com esfrega móvel  
**71.67** - Sem esfrega móvel



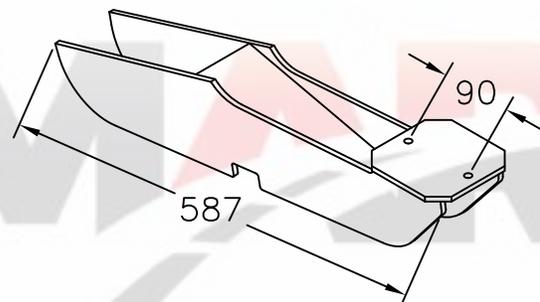
**72.73**  
 Suporte Dianteiro do SR para bucha Nakata sem esfrega móvel



**72.74**  
 Suporte Central do SR para bucha Nakata e com mancal Ø50mm

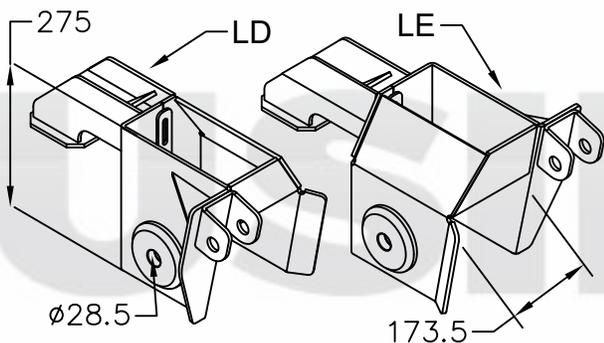


**72.78**  
 Suporte central do SR Modelo 2008

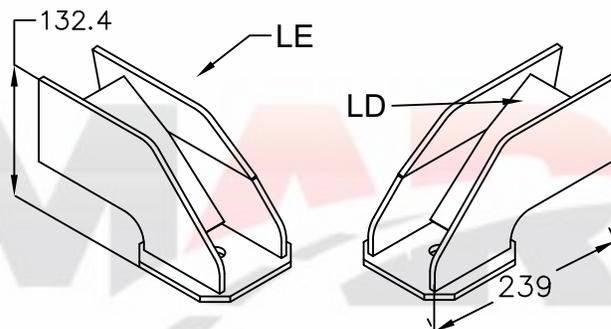


**76.30**  
 Conj. do braço inferior do suspensor da susp. pneumática

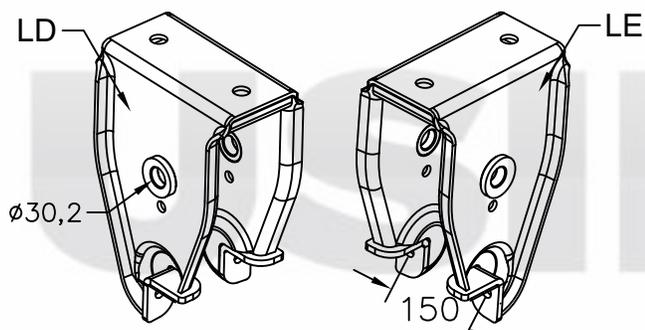
# LIBRELATO



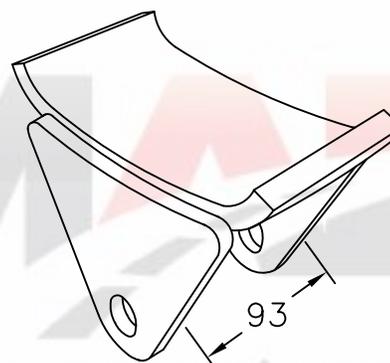
Suporte da susp. pneumática modelo 2013  
76.31 - LE  
76.32 - LD



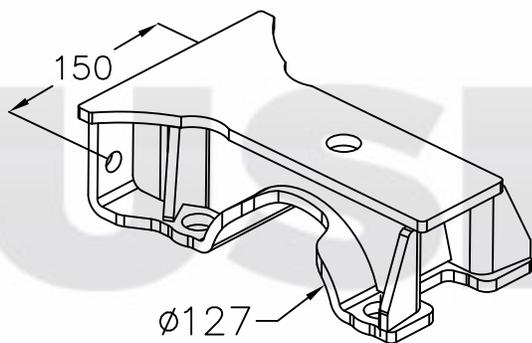
Apoio bolsa do suspensor no suporte susp.  
pneumática do SR  
76.33 - LE  
76.34 - LD



Suporte central bucha molecular do SR 2018  
77.33 - LD  
77.34 - LE

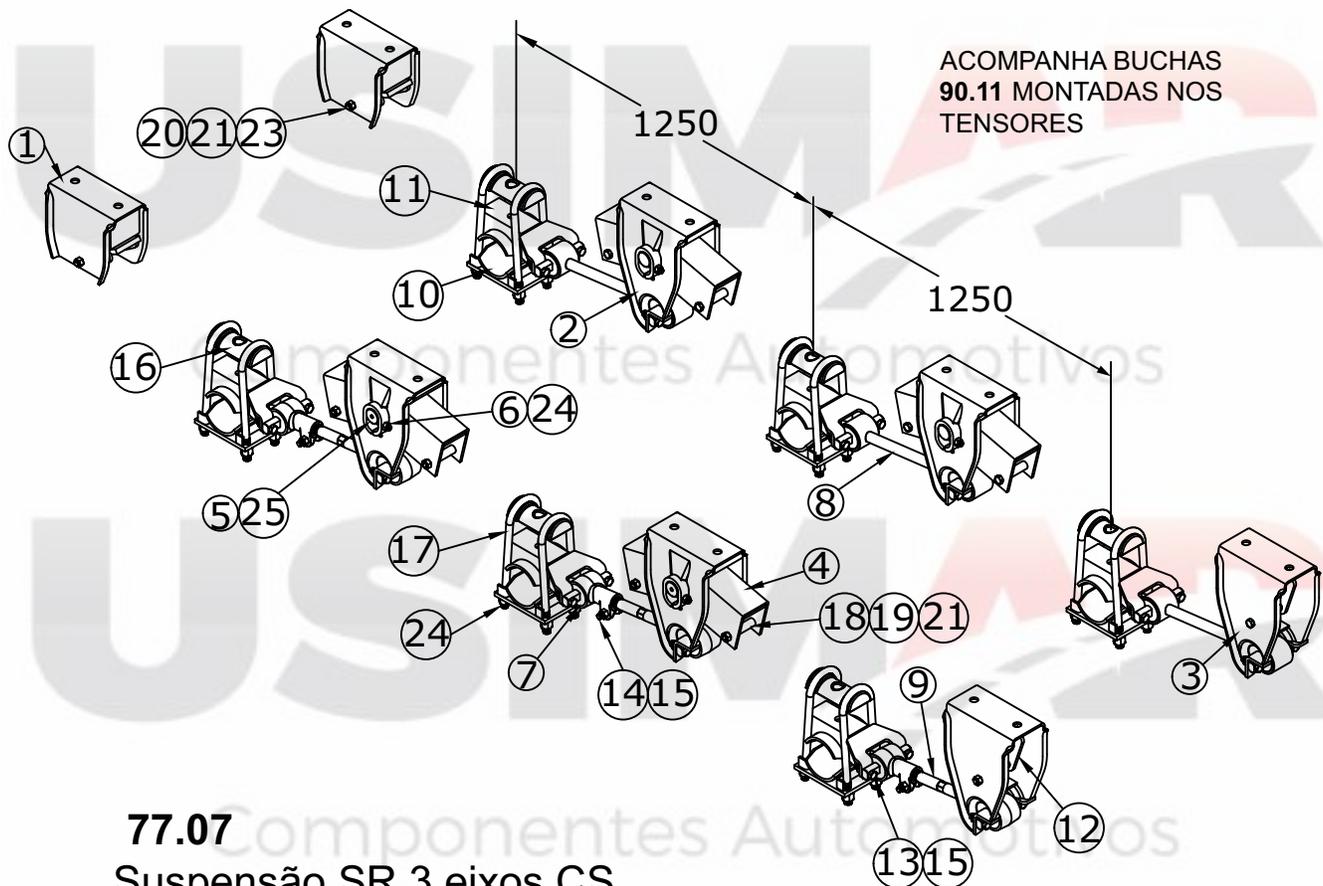


83.56  
Deslizante do suporte tras/diant. 2018



83.57  
Sapata do eixo redondo do SR 2018

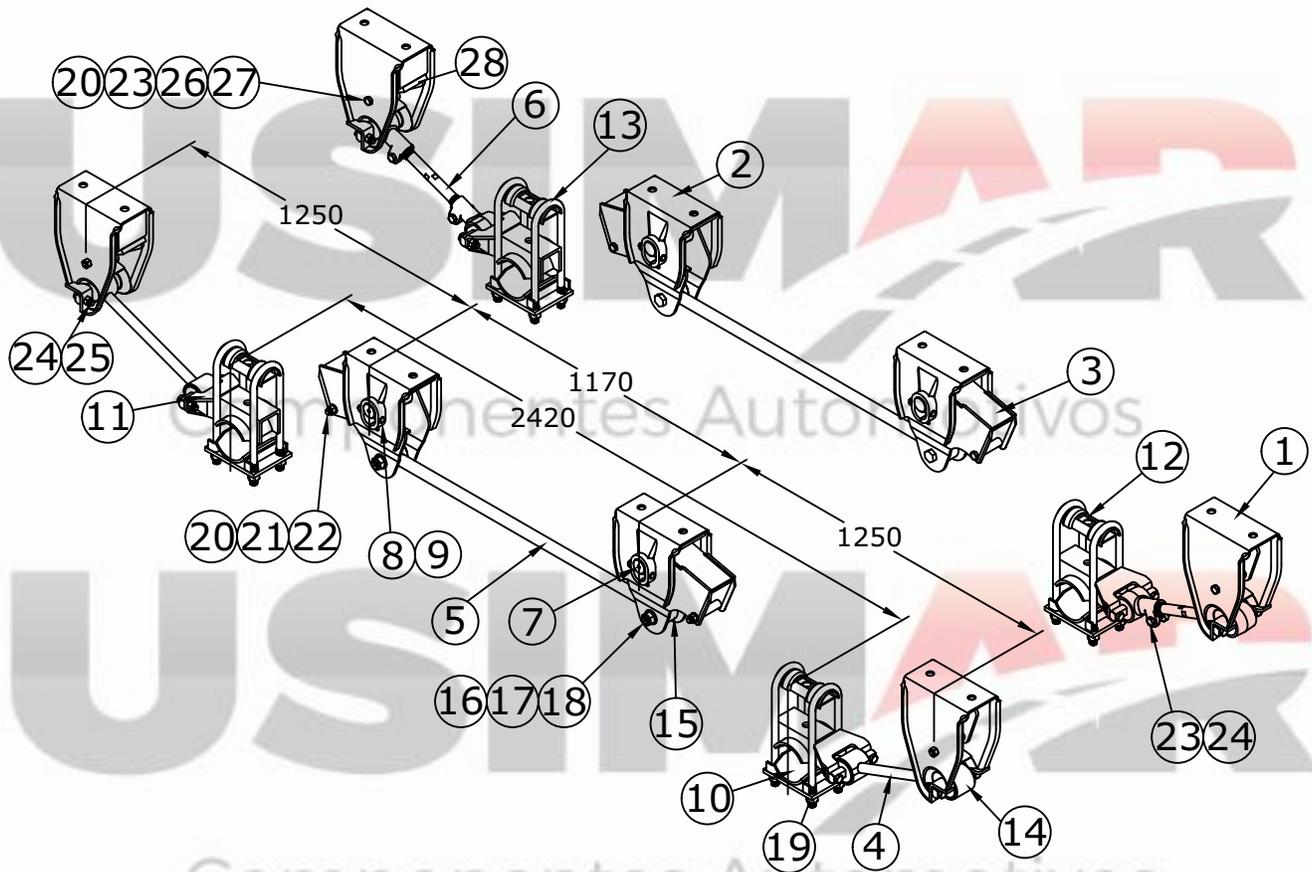
# LIBRELATO



**77.07**  
Suspensão SR 3 eixos CS  
c/ sapata e bucha NK Librelato

N°	Qtd.	Código	Denominação
01	02	71.62	Suporte Traseiro
02	04	72.74	Suporte Central
03	02	72.73	Suporte Dianteiro
04	04	70.90	Balança dobrada pino Ø50mm
05	04	40.01	Pino da Balança
06	08	41.18	Contra-Pino
07	12	90.11	Bucha Nakata
08	03	61.14	Tensor Fixo c/ 480mm
09	03	61.15	Tensor Regulável c/ 480mm
10	06	82.08	Sapata inferior
11	06	80.82	Sapata superior
12	04	80.01	Esfrega Móvel (Acompanha os suportes Diant/Tras)
13	24		Parafuso M16 x 60 8.8
14	06		Parafuso M16 x 80 8.8
15	30		Porca M16 Atarraxante
16	06	82.72	Separador de Grampo Fundido
17	12		Grampo Tipo "C" 7/8" x 92 x 300
18	08		Tubo Ø1" x 92mm
19	08		Parafuso 5/8" x 5" ZINCADO
20	04		Parafuso 5/8" x 6" ZINCADO
21	12		Porca Sextavada 5/8" AUTOTRAVANTE
22	24	50.05	Porcas do Grampo 7/8" DUPLA
23	04	82.04	Tubo Ø1" x 92mm
24	08		Arruela de pressão 5/8"
25	04		Graxeira reta 1/8" gás

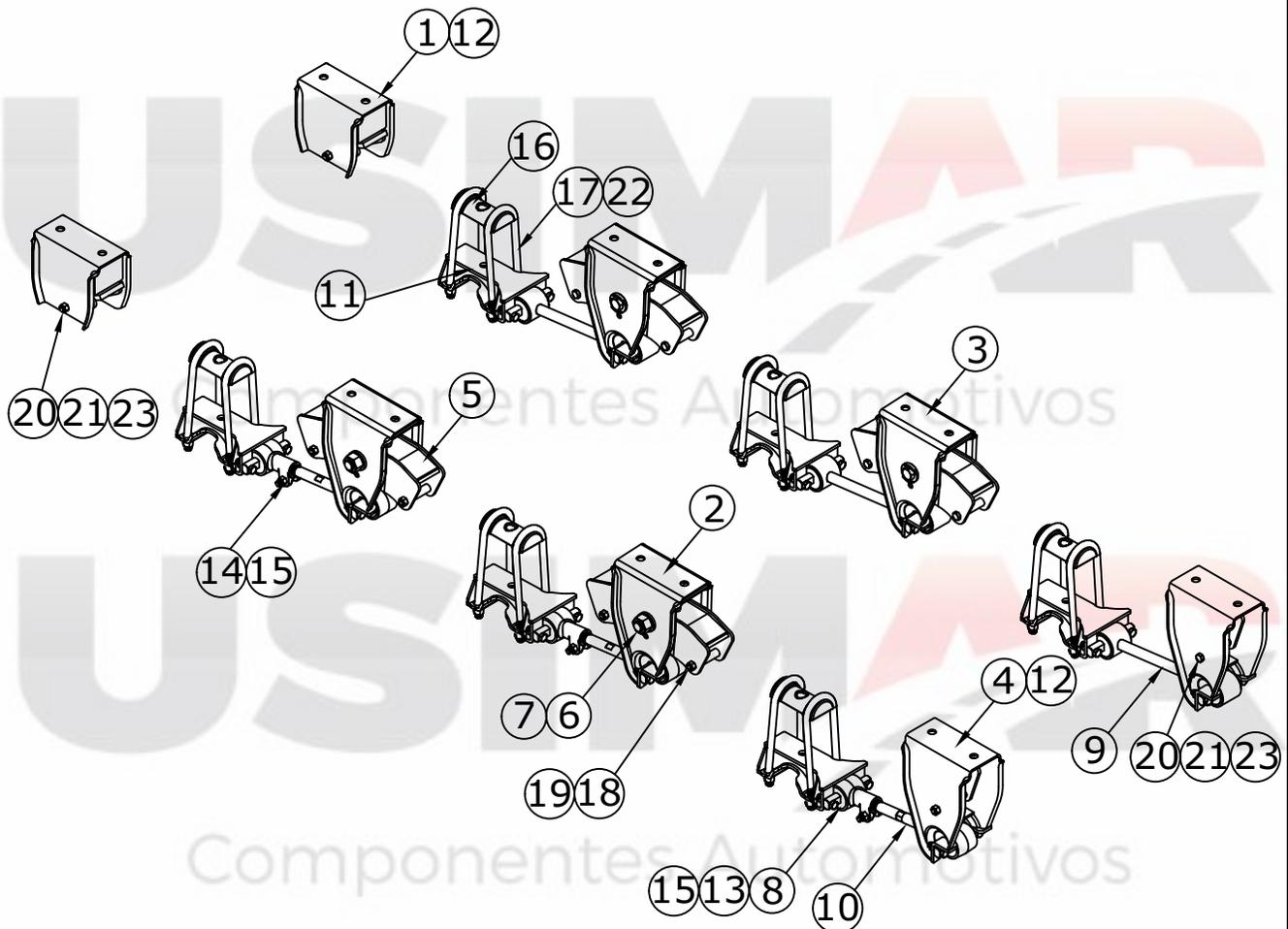
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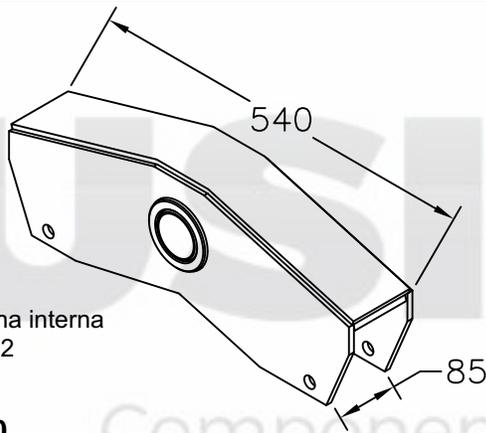
## 77.08

### Suspensão 2 Eixos Distanciada NK do SR Vanderlêia

N°	Qty.	Código	Denominação
01	04	72.73	Suporte dianteiro e traseiro
02	04	73.47	Suporte Central Curto
03	04	70.28	Balança
04	02	61.14	Tensor fixo c/ 480mm
05	02	60.01	Tensor fixo c/ 1170mm
06	02	61.15	Tensor regulável c/ 480mm c/ luvas fundidas
07	04	40.01	Pino da Balança Ø49.9
08	08	41.18	Contrapino do mancal com porca
09	16		Arruela de pressão 5/8"
10	04	82.08	Sapata inferior para eixo redondo
11	04	80.82	Sapata superior para eixo redondo
12	04	82.03	Separador grampo de mola
13	08		Grampo de mola tipo "C" Ø7/8" x 92 x 400
14	08	90.11	Bucha estabilizadora nakata
15	04	91.27	Bucha molecular
16	04	41.16	Pino do tensor
17	04	50.26	Porca do pino do tensor
18	04	30.92	Arruela do pino do tensor
19	16	50.05	Porca 7/8"
20	12		Porca 5/8"
21	04		Parafuso 5/8" x 5"
22	04	82.04	Tubo 92mm
23	04		Parafuso M16 x 80 classe 8.8
24	20		Porca M16 amassada
25	16		Parafuso M16 x 60 classe 8.8
26	04		Tubo 97mm
27	04		Parafuso 5/8" x 6"
28	04	80.01	Deslizante da esfrega

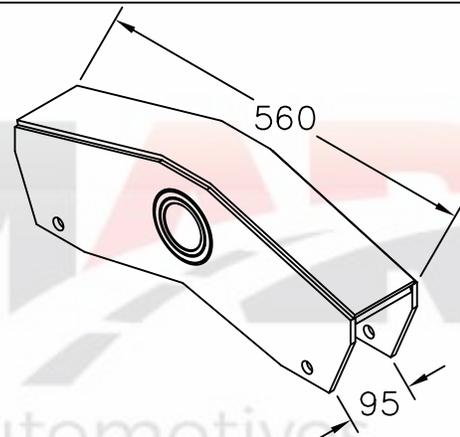
**77.36****Suspensão do SR 2018 com bucha cônica**

<b>N°</b>	<b>Qtd.</b>	<b>Código</b>	<b>Denominação</b>
01	02		Suporte Traseiro
02	02	<b>77.33</b>	Suporte Central LD
03	02	<b>77.34</b>	Suporte Central LE
04	02		Suporte Dianteiro
05	04	<b>77.24</b>	Balança com bucha molecular
06	04	<b>40.58</b>	Pino da Balança M30
07	04	<b>50.30</b>	Porca M30 autotravante
08	12	<b>90.11</b>	Bucha Nakata
09	03	<b>62.79</b>	Tensor Fixo c/ 470mm
10	03	<b>62.78</b>	Tensor Regulável c/ 470mm
11	06	<b>83.57</b>	Sapata superior
12	04	<b>83.56</b>	Esfrega Móvel (Acompanha os suportes Diant/Tras)
13	24		Parafuso M16 x 60 8.8
14	06		Parafuso M16 x 80 8.8
15	30		Porca M16 Autotravante
16	06	<b>82.58</b>	Separador de Grampo
17	12		Grampo Tipo "D" 7/8" x 92 x 290mm
18	08		Tubo Ø1" x 92mm
19	08		Parafuso 5/8" x 5" ZINCADO
20	04		Parafuso 5/8" x 6" ZINCADO
21	12		Porca Sextavada 5/8" AUTOTRAVANTE
22	24	<b>50.05</b>	Porcas do Grampo 7/8" DUPLA
23	04	<b>82.04</b>	Tubo Ø1" x 92mm



Bucha interna  
50.62

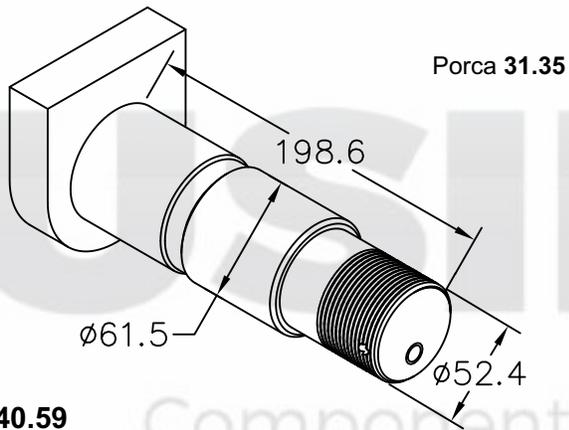
**72.90**  
Balança do SR boiadeiro para pino  $\varnothing$  55.5mm



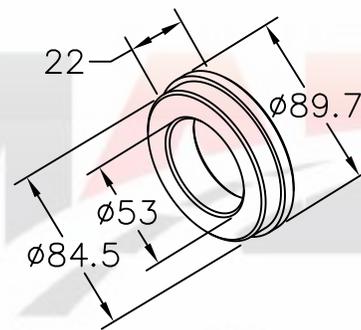
**75.43**  
Balança do SR para pino  $\varnothing$  60mm



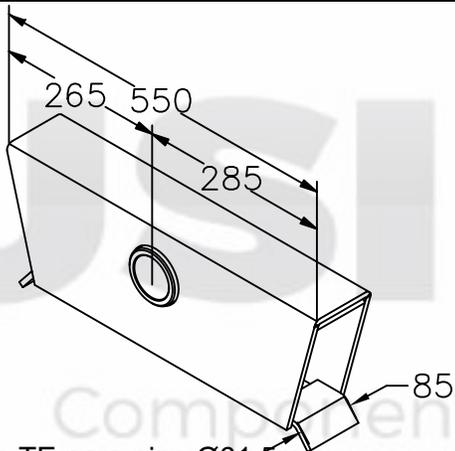
# MARINGÁ



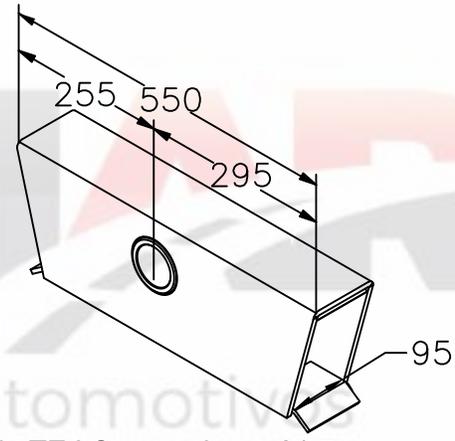
**40.59**  
Pino da balança para TE medida



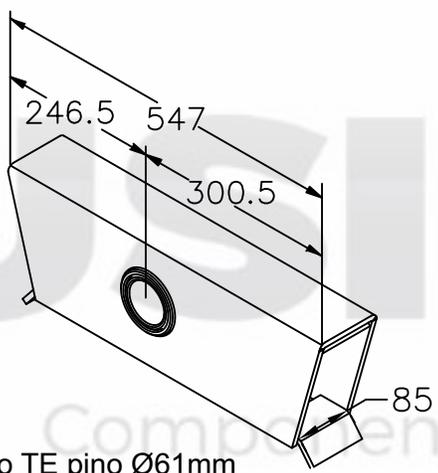
**82.57**  
Mancal menor do suporte central do TE



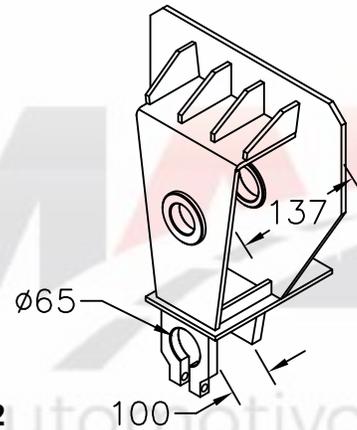
**71.08**  
Balança do TE para pino  $\phi 61.5$ mm



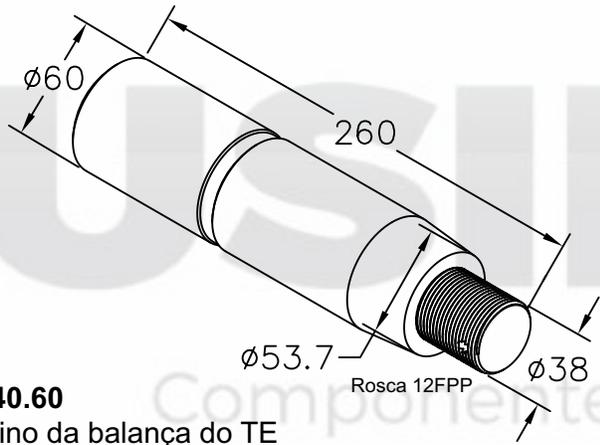
**71.09**  
Balança do TE LS para pino  $\phi 61.5$ mm



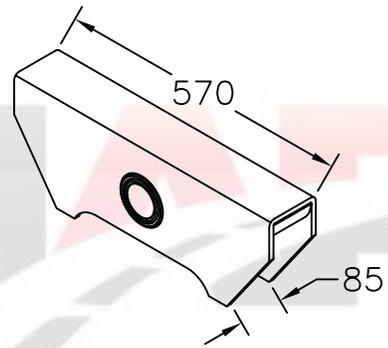
**75.44**  
Balança do TE pino  $\phi 61$ mm



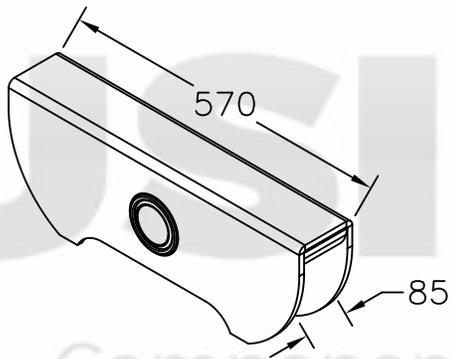
**75.82**  
Suporte central do TE para pino  $\phi 61.5$ mm



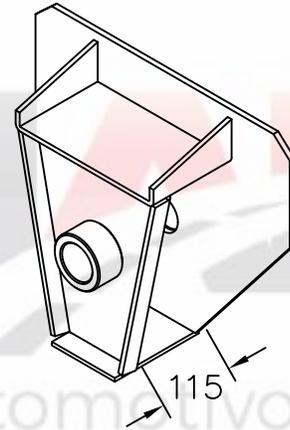
**40.60**  
Pino da balança do TE



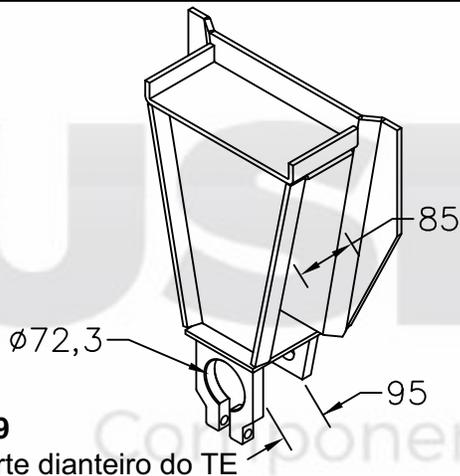
Balança do TE p/ pino Ø 60mm  
**71.10** - Corpo em 3/8"  
**71.11** - Corpo em 5/16"



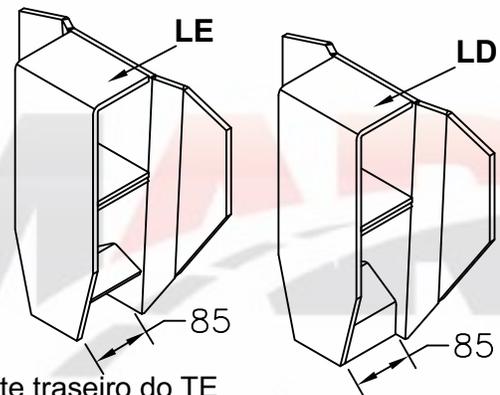
**71.12**  
Balança do TE para pino Ø60mm modelo antigo



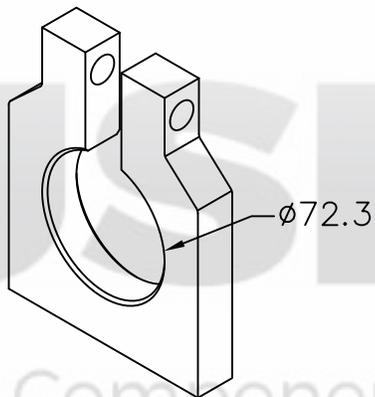
**75.78**  
Suporte central do TE para pino Ø60mm



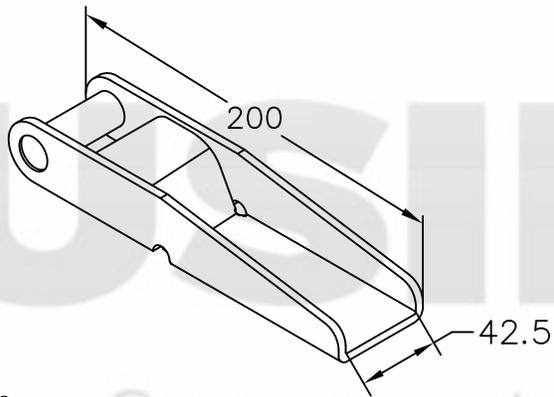
**75.79**  
Suporte dianteiro do TE



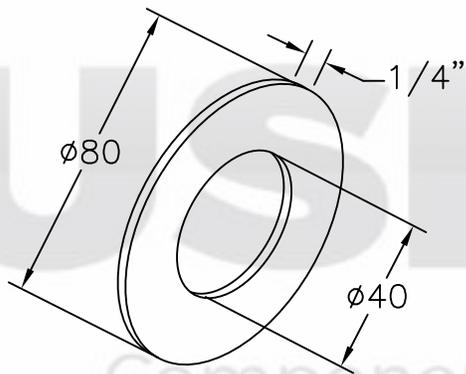
Suporte traseiro do TE  
**75.80** - LD  
**75.81** - LE



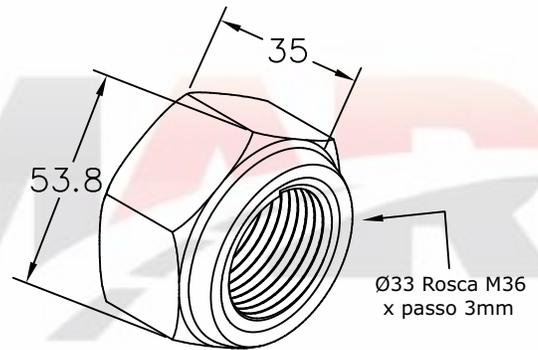
**82.85**  
Mancal externo do pino tensor



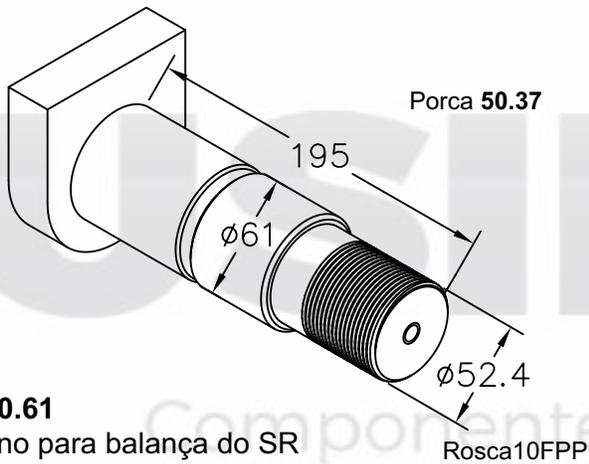
**23.46**  
Dobradiça p/ tampa sem furos do SR mod. 2008



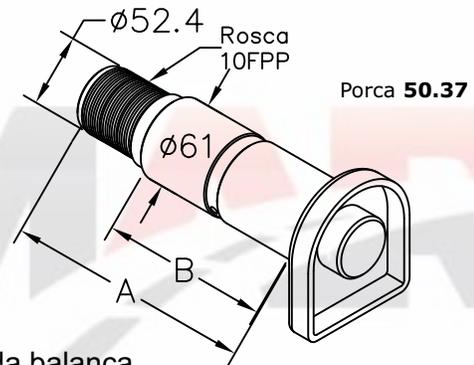
**30.60**  
Arruela do pino da balança do SR 2011



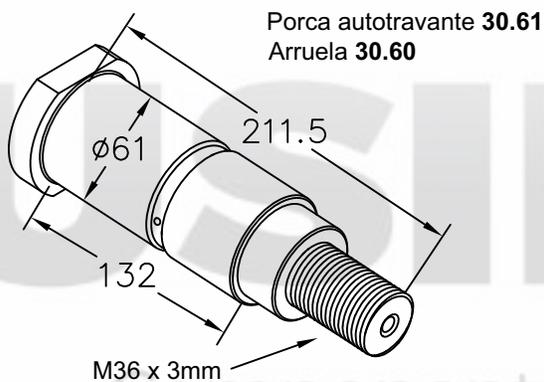
**30.61**  
Porca do pino da balança do SR 2011



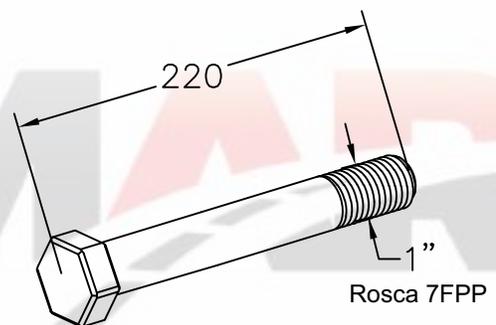
**40.61**  
Pino para balança do SR



Pino da balança  
**40.62** - A = 187mm B = 130mm (SR)  
**40.63** - A = 215mm B = 150mm (TE LS)

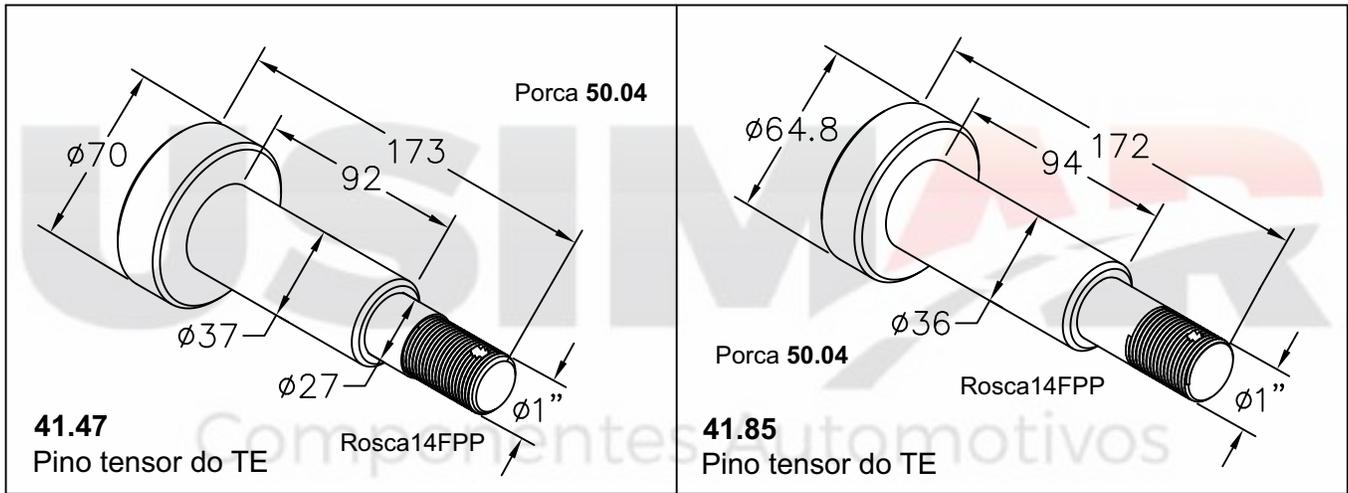


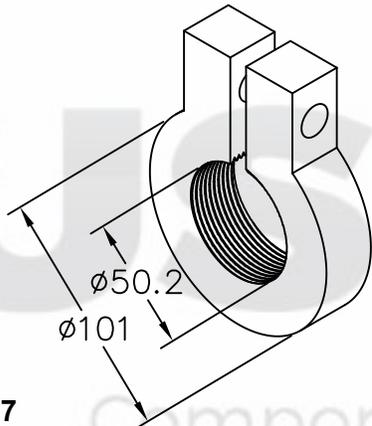
**40.64**  
Pino para balança do SR  $\varnothing 61$ mm mod. 2011



**41.43**  
Pino da suspensão pneumática do SR

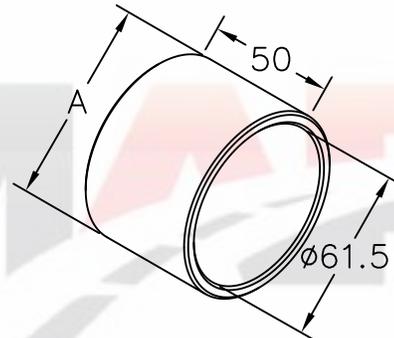
# NOMA



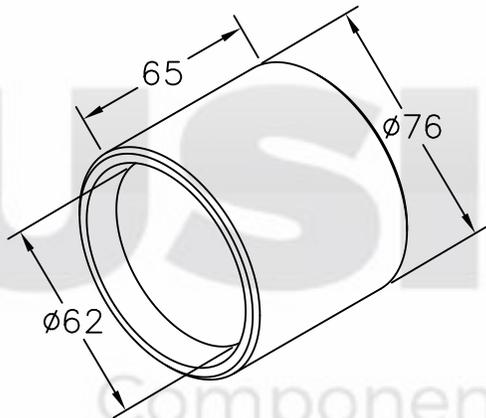


**50.37**  
Porca para pino da balança do SR

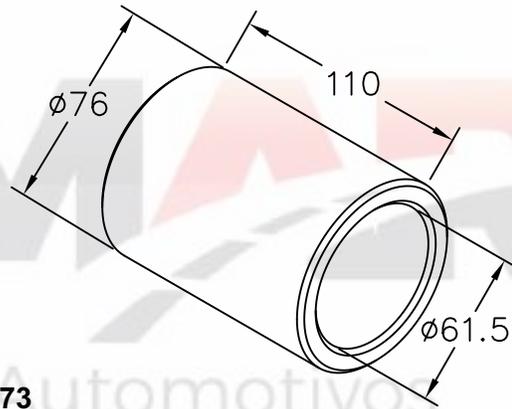
Rosca 10Fpp



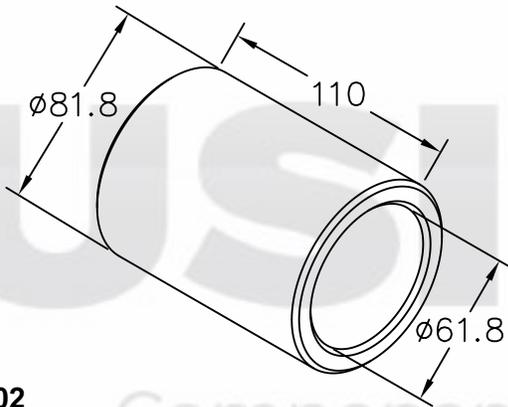
Bucha interna para balança do SR  
**50.38** - A = Ø71mm  
**50.56** - A = Ø76mm



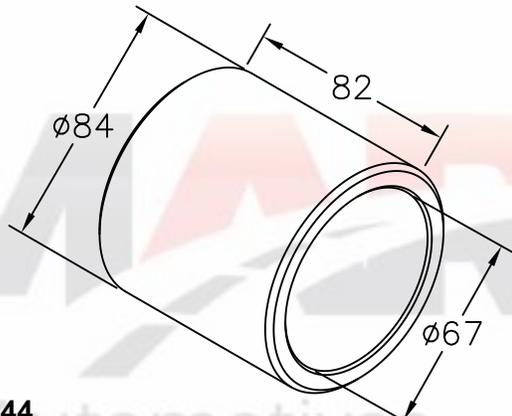
**50.50**  
Bucha externa do tensor para bucha molecular



**50.73**  
Bucha interna inteira da balança fenix do SR

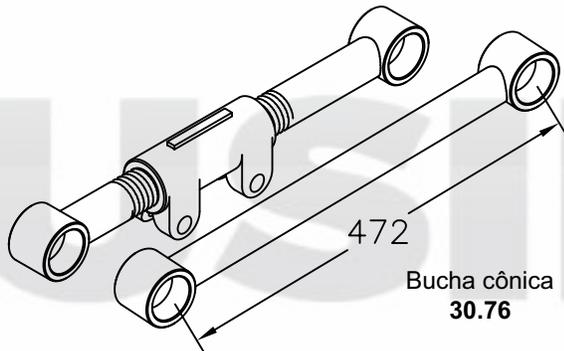


**51.02**  
Bucha para balança do SR

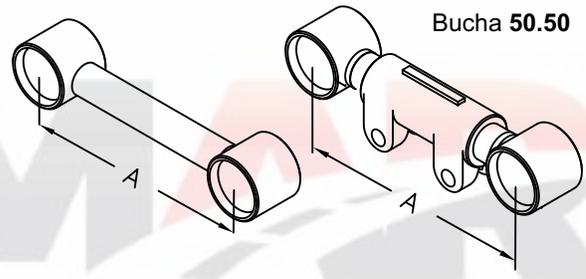


**51.44**  
Bucha para luva do tensor do SR

# NOMA



Tensor do SR com bucha cônica  
**61.37** - Regulável  
**62.07** - Fixo



Tensor do SR Modelo 2007

## REGULÁVEL

**60.98** - A = 290mm

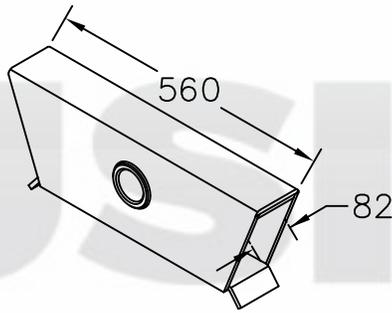
**60.97** - A = 450mm

## FIXO

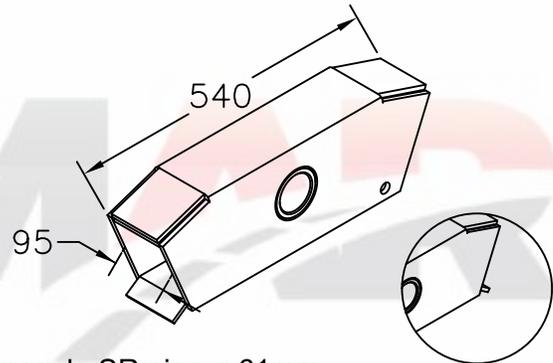
**60.99** - A = 290mm

**61.00** - A = 450mm

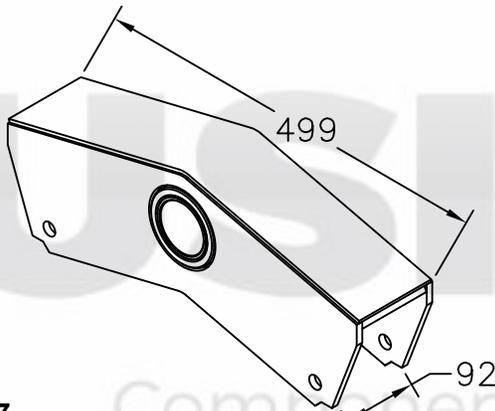




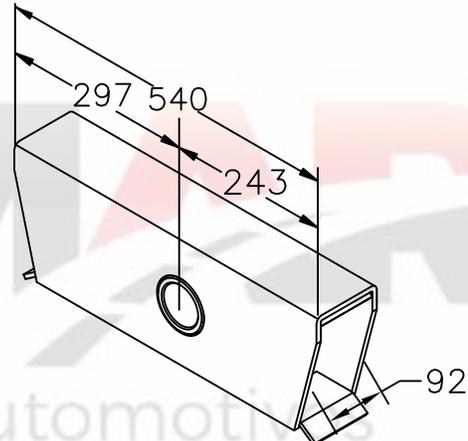
Balança moderna do TE  
**71.13** - P/ pino Ø56mm (Moderna)  
**71.14** - P/ pino Ø60mm (Antiga)



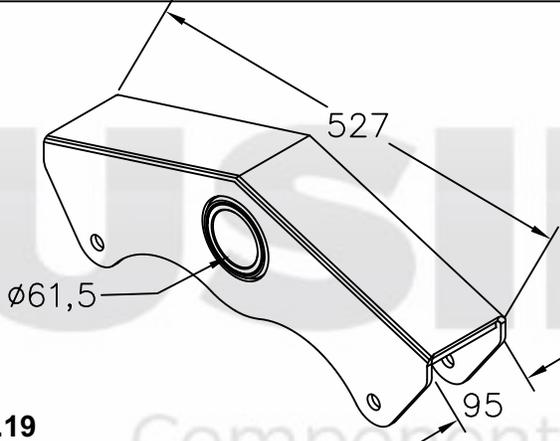
Balança do SR pino Ø 61mm  
**71.15** - Dianteira  
**71.16** - Traseira



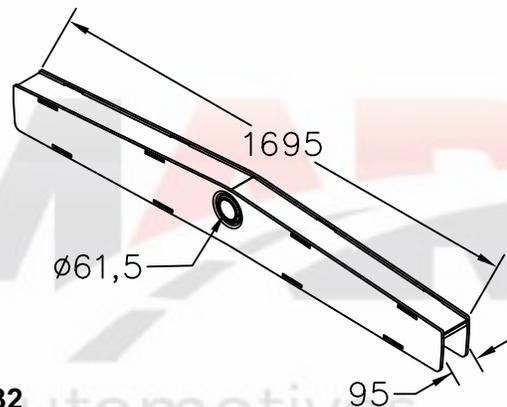
**71.17**  
 Balança do SR para pino Ø61mm



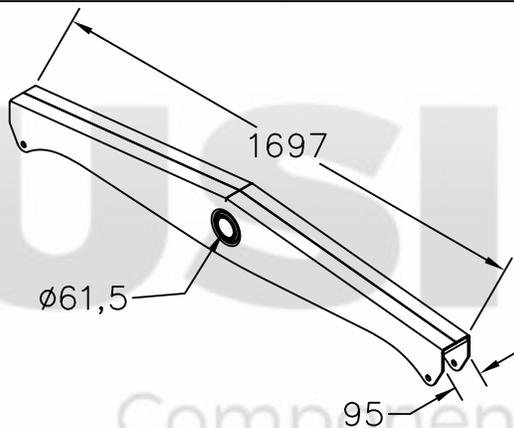
**71.18**  
 Balança do TE LS para pino Ø 61mm



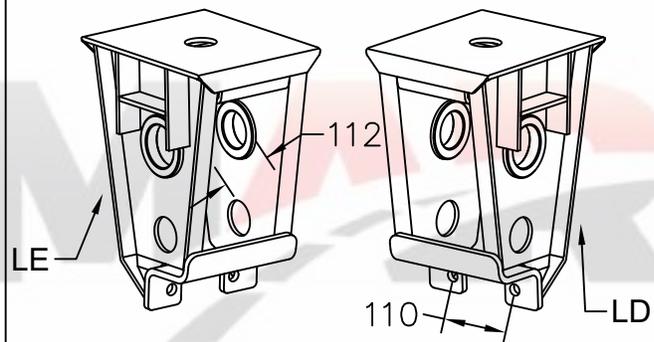
**71.19**  
 Balança do SR MD 2011 para pino Ø61mm



**73.32**  
 Balança distanciada do SR para pino Ø61mm

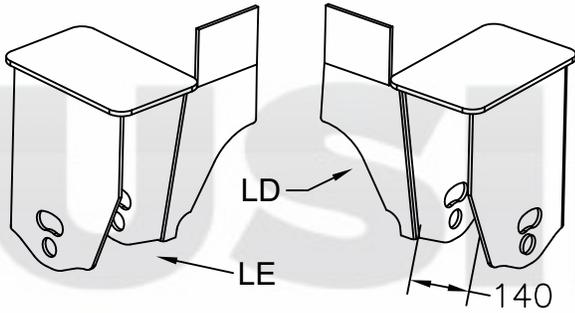


**74.39**  
 Balança distanciada pino Ø61mm do SR MD 2011

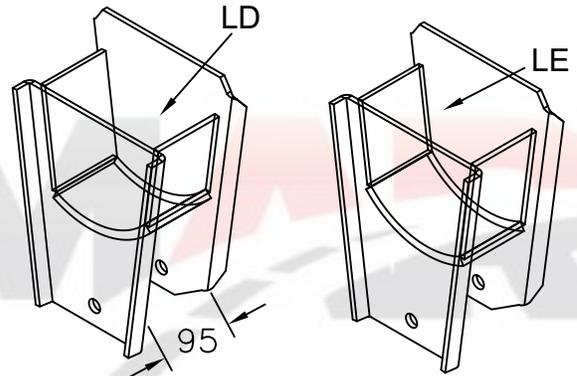


Suporte central do SR mod. 2005  
**72.44** - LD  
**72.45** - LE

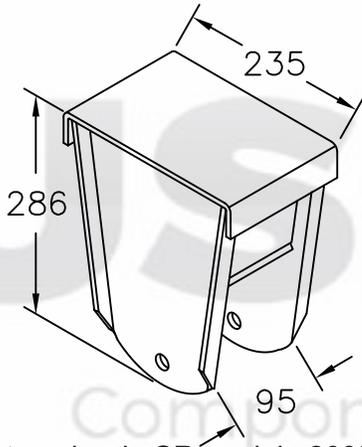
# NOMA



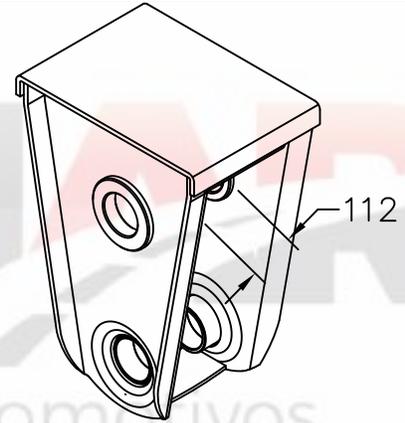
Suporte suspensão a ar SR  
**73.22- LD**  
**73.21- LE**



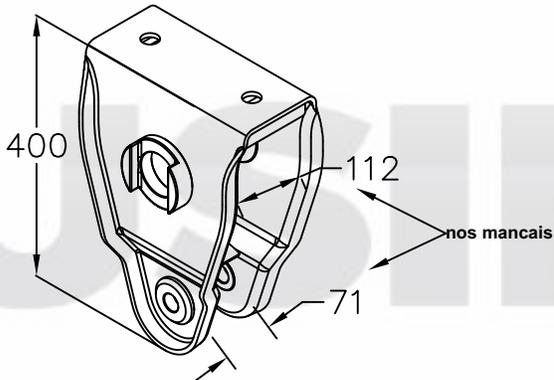
Suporte do SR  
**73.37 - LE**  
**73.38 - LD**



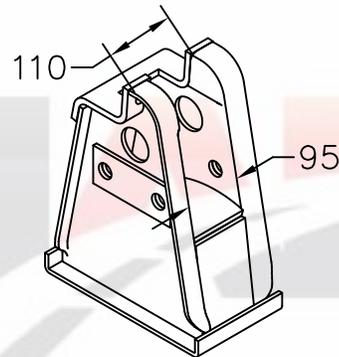
**73.78**  
 Suporte traseiro do SR modelo 2005



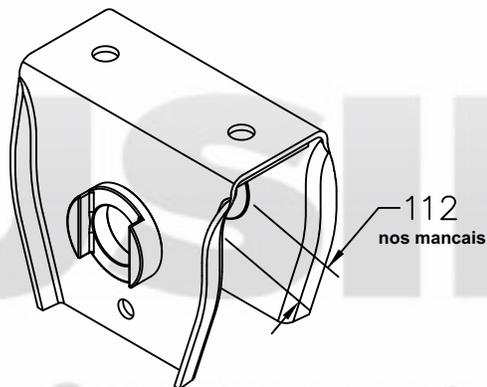
**74.56**  
 Suporte central do SR



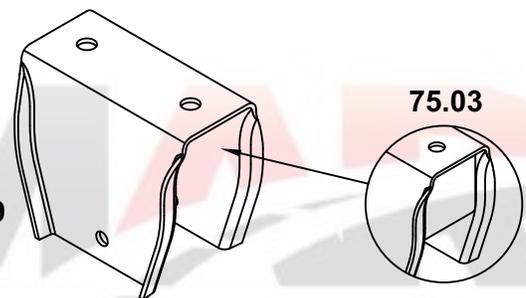
**74.81**  
 Suporte central pino Ø61mm modelo 2012 do SR



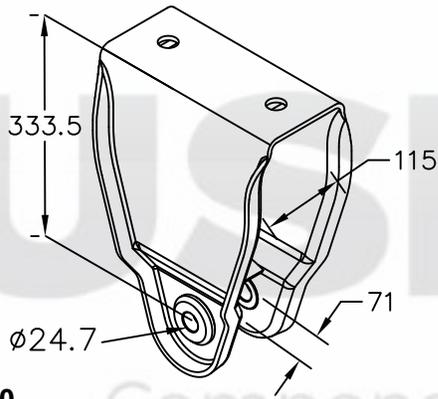
**74.89**  
 Suporte dianteiro do SR modelo 2005 a 2007



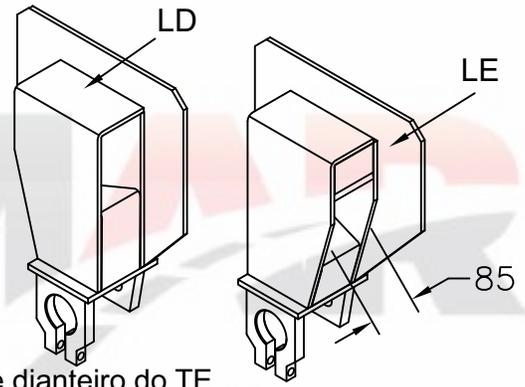
**74.97**  
 Suporte central pino Ø61mm do SR distanciado modelo 2012



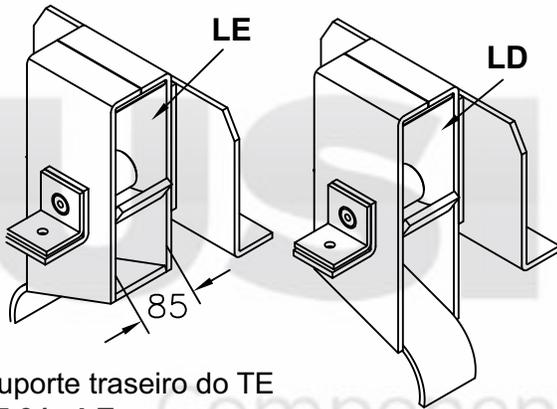
**75.19**  
**75.03**  
 Suporte traseiro do SR modelo 2012  
**75.19**  
 Suporte guia dianteiro da balança do SR distanciado modelo 2012



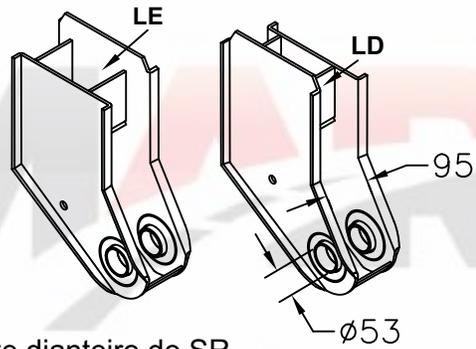
**75.20**  
Suporte guia traseiro do SR modelo 2012



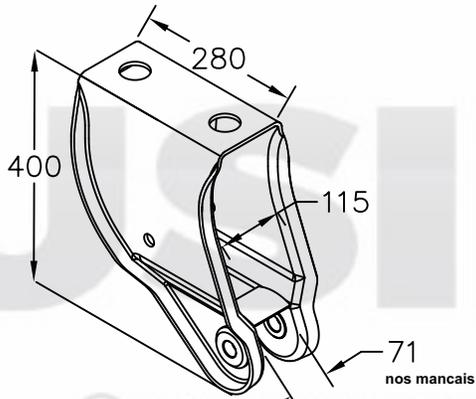
Suporte dianteiro do TE  
**75.90 - LD**  
**75.89 - LE**



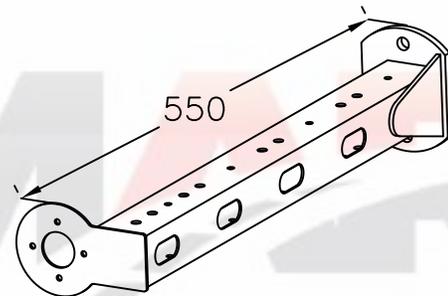
Suporte traseiro do TE  
**75.91 - LE**  
**75.92 - LD**



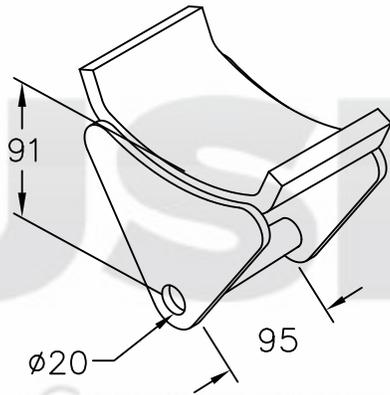
Suporte dianteiro do SR  
**75.93 - LE**  
**75.94 - LD**



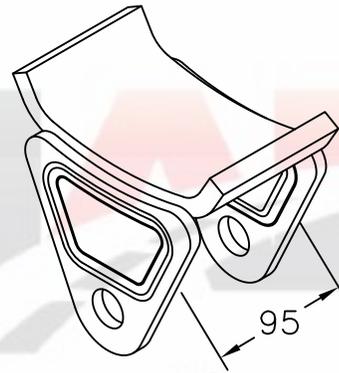
**75.95**  
Suporte dianteiro modelo 2012 do SR



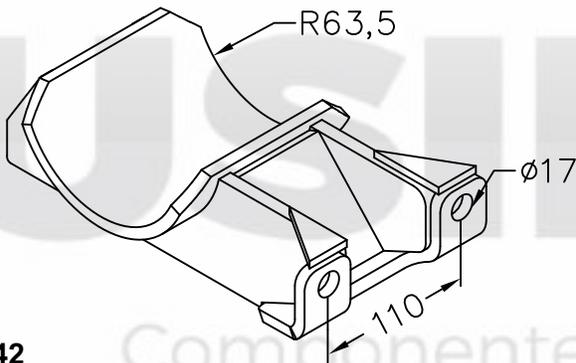
**76.35**  
Suporte da sinaleira da 1º carreta bitrem fênix



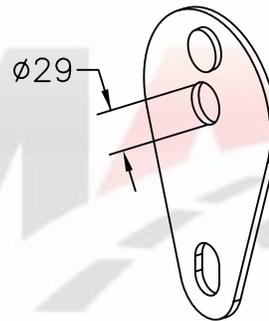
**80.26**  
Esfrega móvel do SR 2007



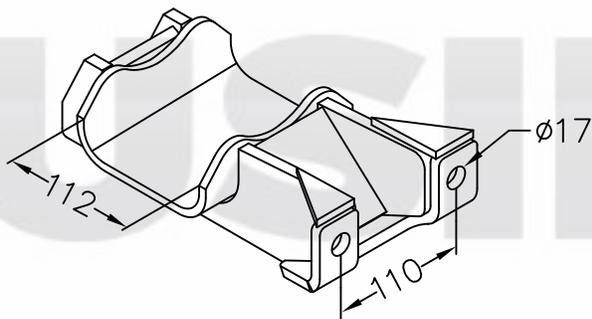
**80.27**  
Esfrega móvel do SR modelo 2011



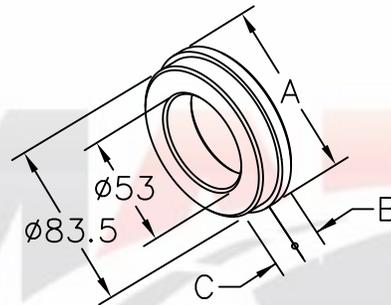
**81.42**  
Sapata superior do SR 2007



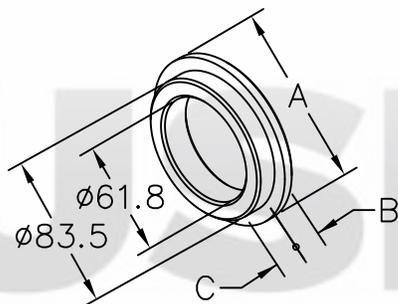
**81.62**  
Arruela mancal suspensão a ar



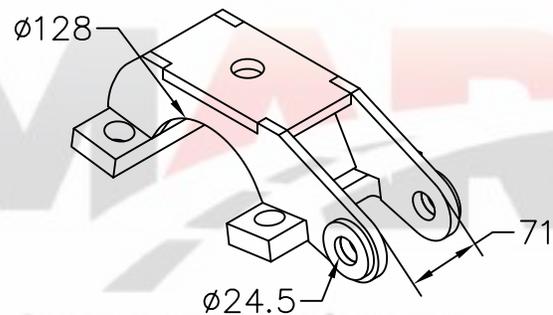
**81.65**  
Sapata superior para eixo retângular do SR 2007



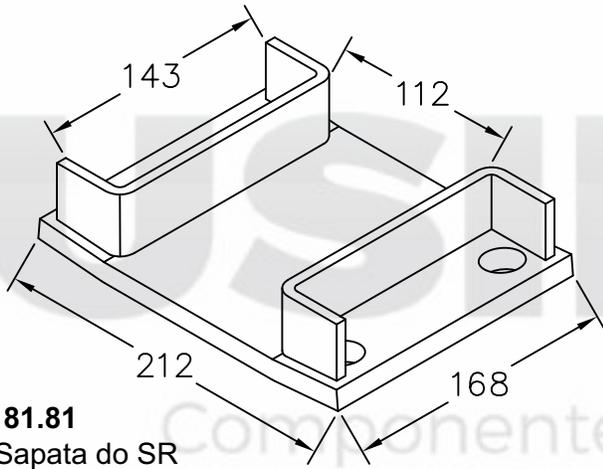
Mancal para suporte central do SR  
**81.68** - A = Ø89,7mm B = 8mm C = 12mm  
**81.69** - A = Ø98mm B = 6,7mm C = 12mm  
**81.70** - A = Ø89,7mm B = 12mm C = 8mm



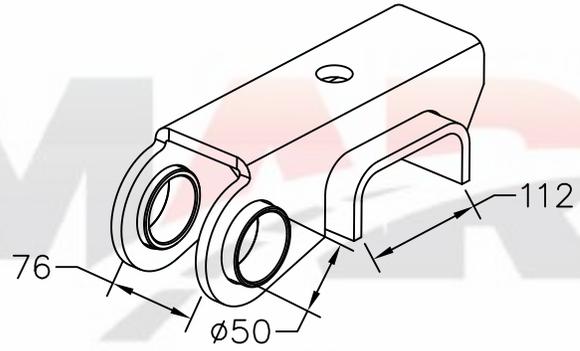
Mancal para suporte central do SR  
**81.71** - A = Ø89,7mm B = 8mm C = 12mm  
**81.72** - A = Ø99mm B = 6,7mm C = 12mm  
**81.73** - A = Ø89,7mm B = 12mm C = 8mm



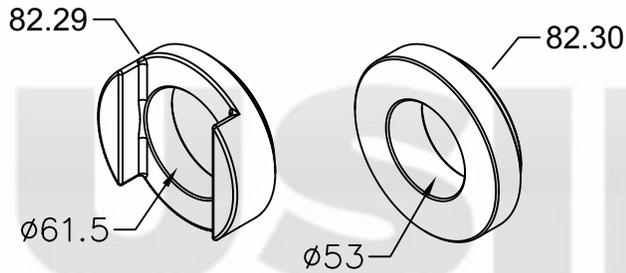
**81.79**  
Sapata do SR p/ eixo redondo modelo 2012



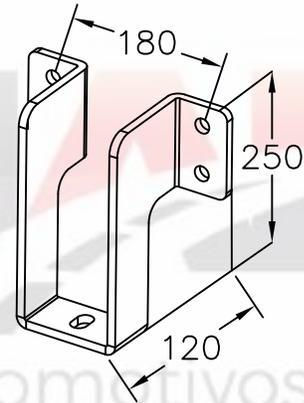
**81.81**  
Sapata do SR



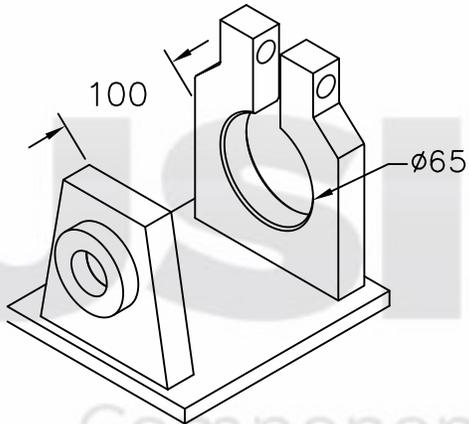
**81.95**  
Sapata do SR com bucha



Mancal do suporte central pino Ø61mm modelo 2012 do SR  
**82.29** - Interno  
**82.30** - Externo

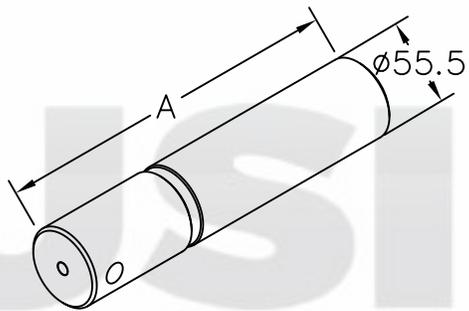


**82.91**  
Suporte de fixação do suspensor do SR



**83.15**  
Mancal duplo do suporte dianteiro do TE

# PASTRE

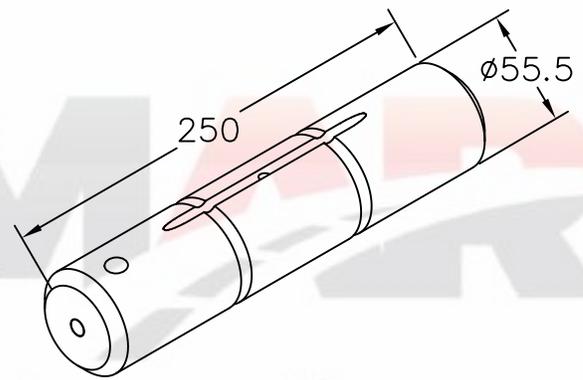


Pino da balança

**40.65** - A = 240mm (TE)

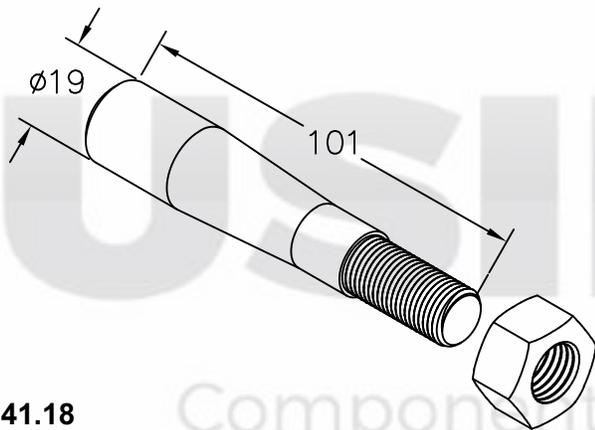
**40.67** - A = 250mm (SR)

**40.66** - A = 260mm (SR)



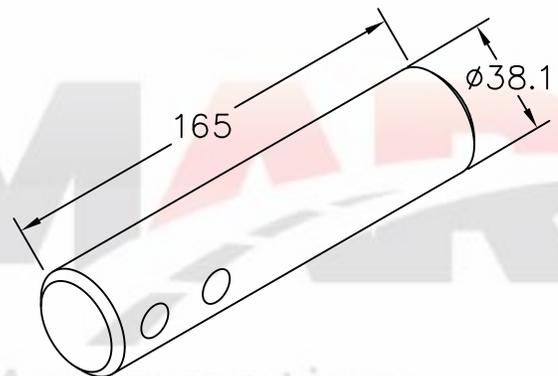
**40.69**

Pino para balança do SR



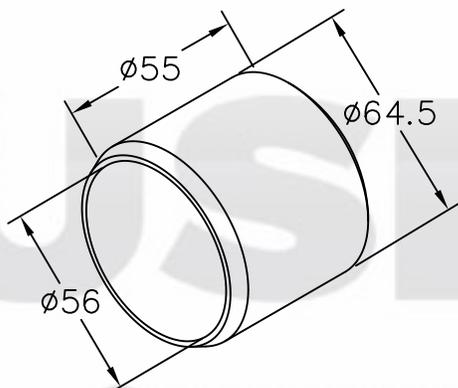
**41.18**

Pino cônico para mancal com porca do SR



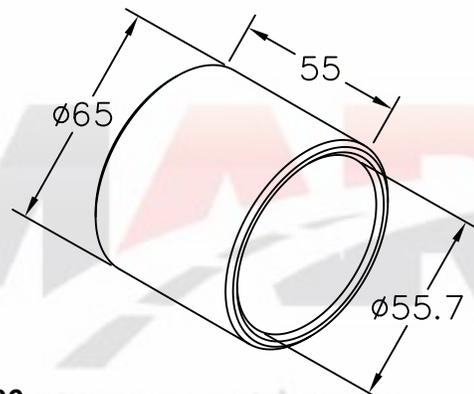
**41.61**

Pino para deslizante



**50.62**

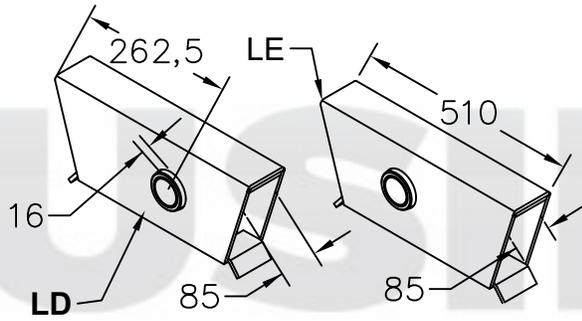
Bucha interna para balança do SR



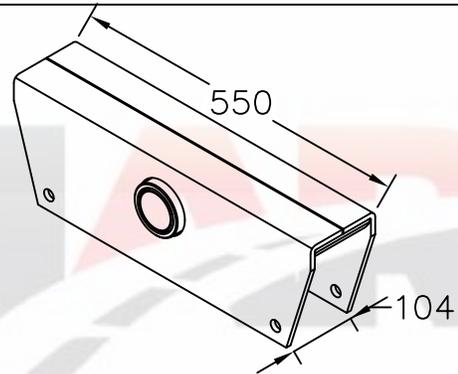
**51.06**

Bucha interna para balança do TE

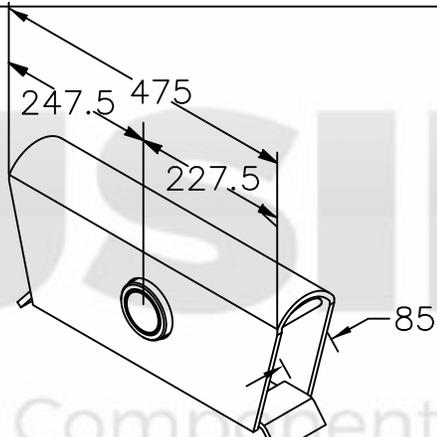
# PASTRE



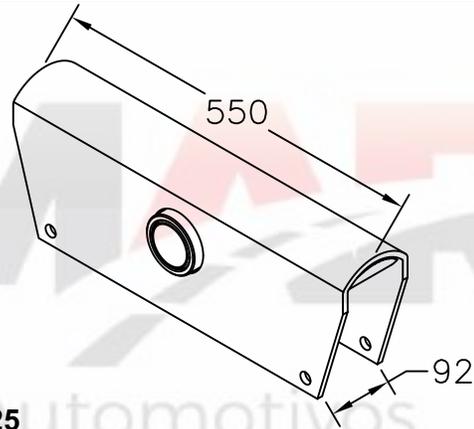
Balança do TE para pino Ø55.5mm  
**71.20 - LD**  
**71.21 - LE**



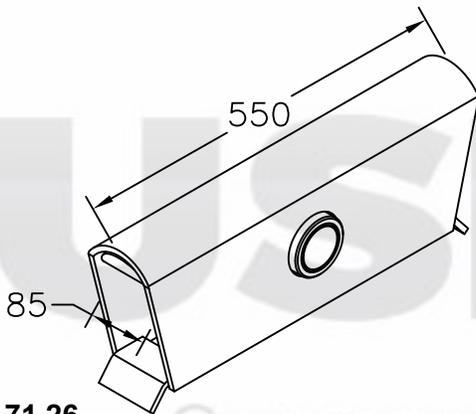
**71.22**  
 Balança do SR para pino Ø55.6mm  
**71.23**  
 Balança do SR modelo redondo



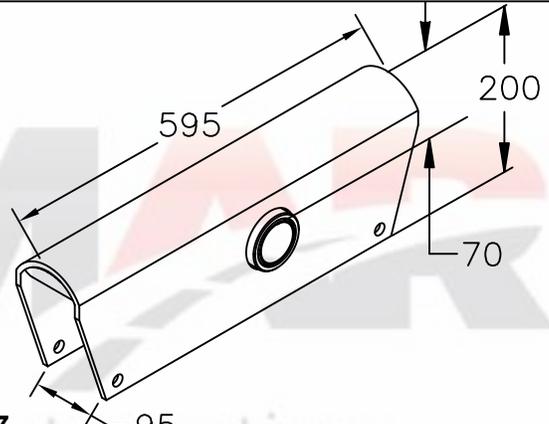
**71.24**  
 Balança do TE para pino Ø55.5mm



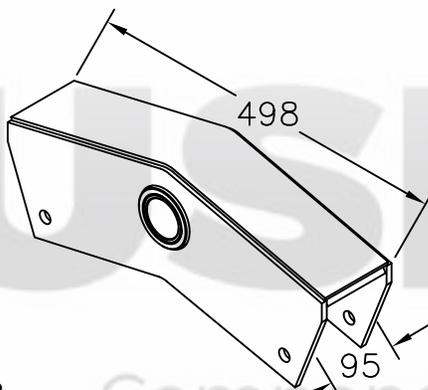
**71.25**  
 Balança do SR para pino Ø55.5mm



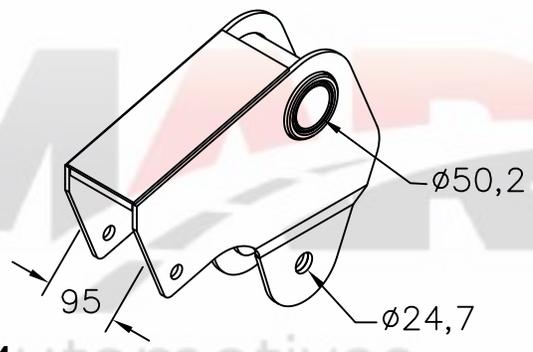
**71.26**  
 Balança do TE para pino Ø55.5mm



**71.27**  
 Balança do TE LS para pino Ø55.5mm

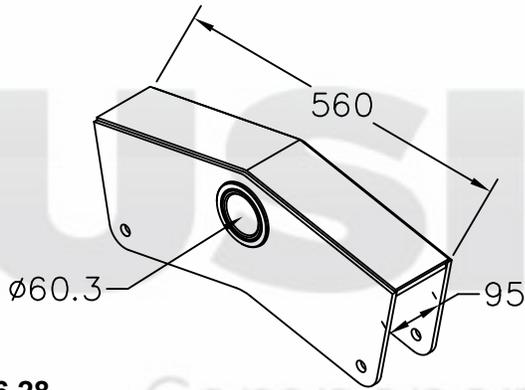


**71.28**  
 Balança do SR para pino Ø50mm

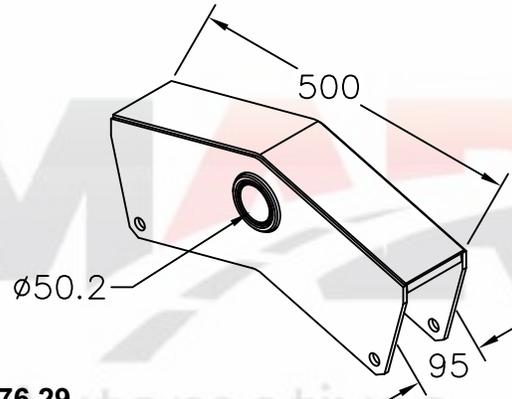


**73.34**  
 Balança do SR Vanderléia para pino Ø50mm

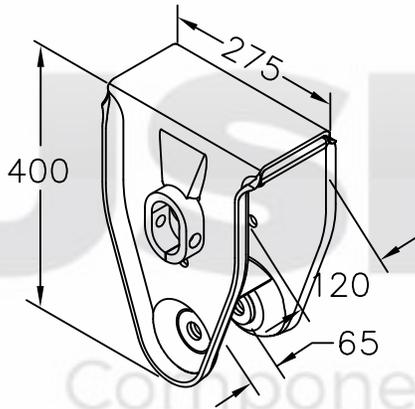
# PASTRE



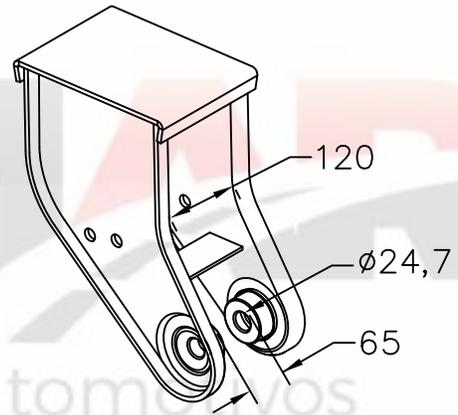
**76.28**  
Balança do SR carrega tudo p/ pino 60mm



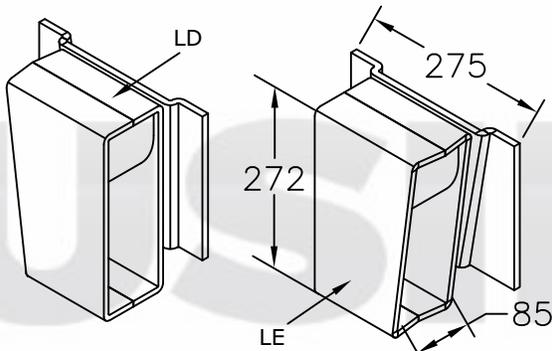
**76.29**  
Balança do SR p/ pino 50mm



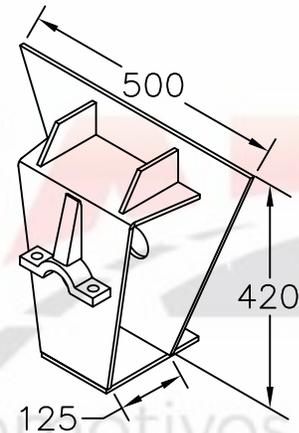
**72.58**  
Suporte central do SR pastre Ø50mm



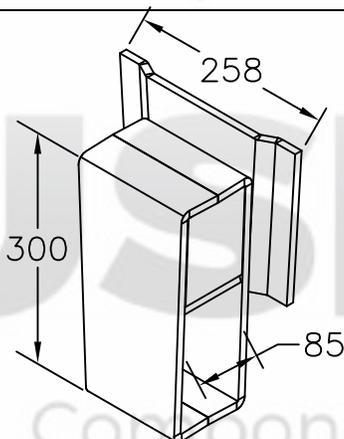
**74.37**  
Suporte dianteiro do SR



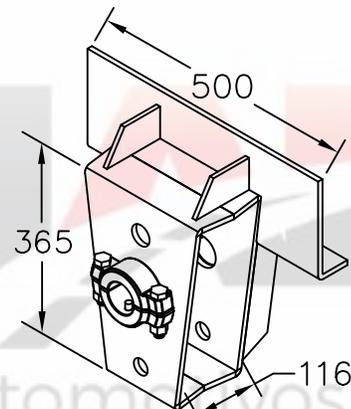
Suporte Dianteiro lateral 5/16" do TE  
**74.46 - LD**  
**74.47 - LE**



**74.90**  
Suporte Central para pino Ø55.5 do TE

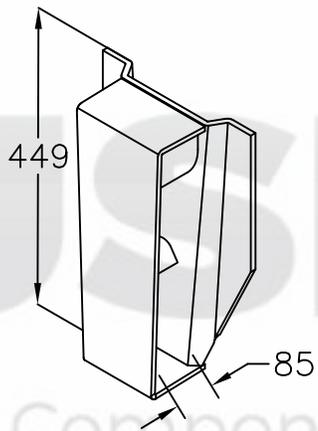


**75.96**  
Suporte Traseiro para Caçamba



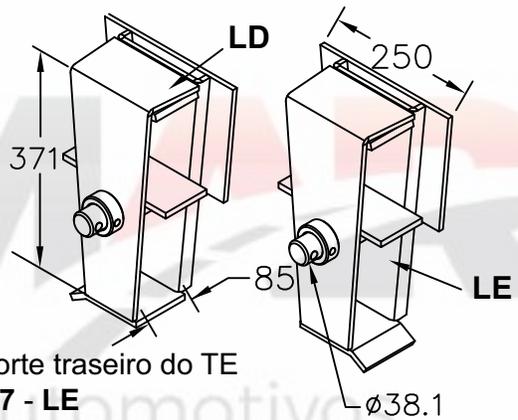
**75.97**  
Suporte Central pino Ø55.5mm do TE

# PASTRE



**75.98**

Suporte dianteiro do TE



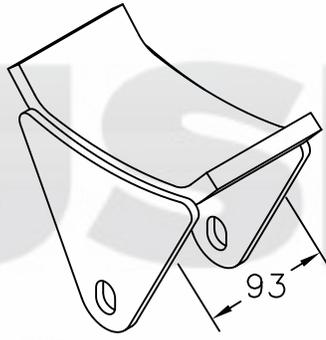
Suporte traseiro do TE

**76.17 - LE**

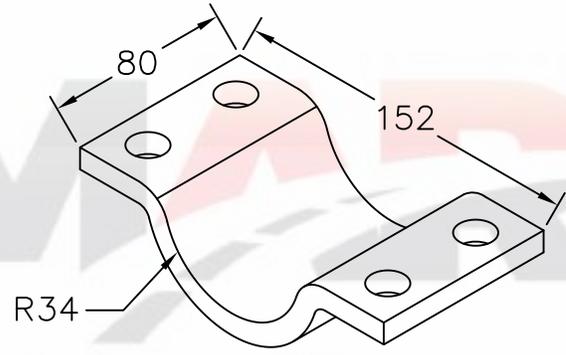
**76.16 - LD**



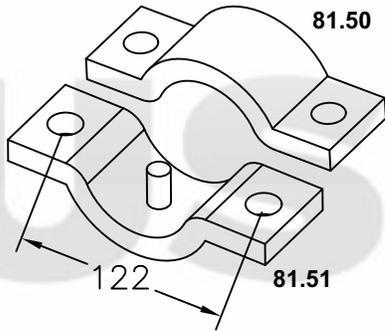
# PASTRE



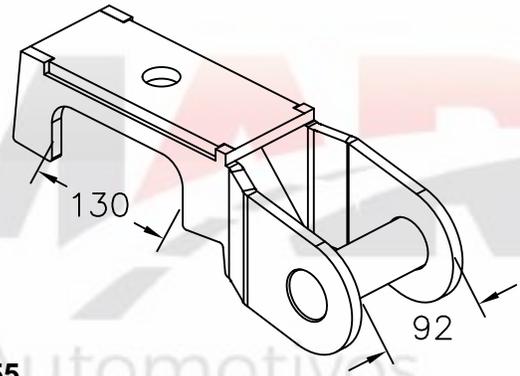
**80.07**  
Esfrega móvel do SR



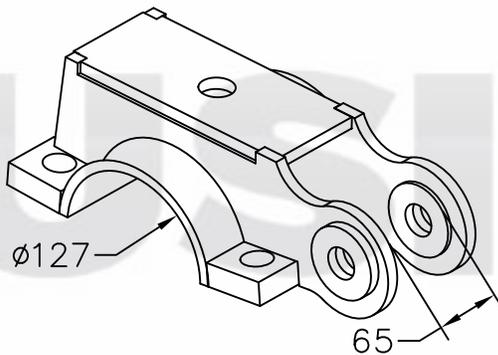
**60.96**  
Ponteira do tirante do tensor



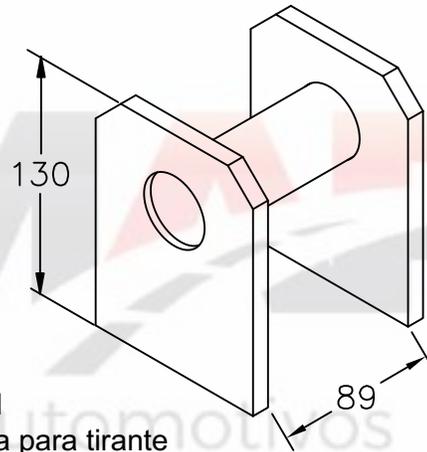
Semi-mancal do suporte central  
**81.50** - Sem trava  
**81.51** - Com trava do pino



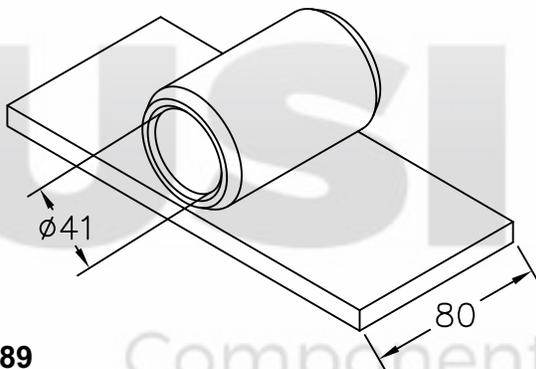
**81.55**  
Sapata superior do SR



**81.58**  
Sapata do SR

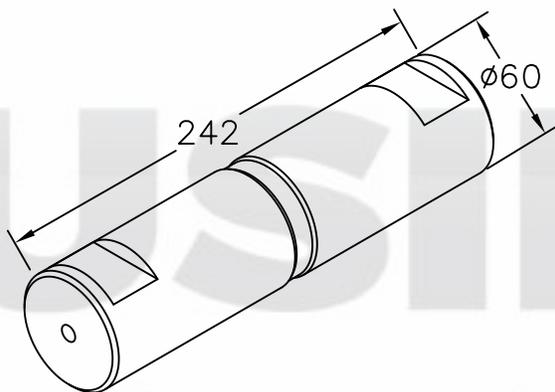


**82.71**  
Orelha para tirante

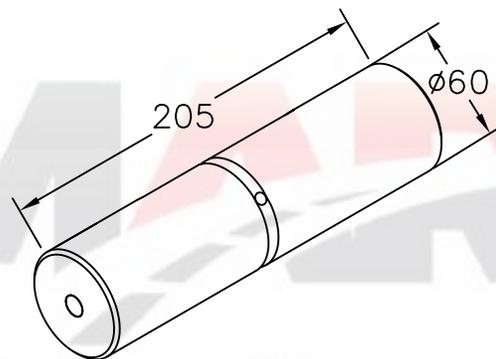


**82.89**  
Deslizante do TE

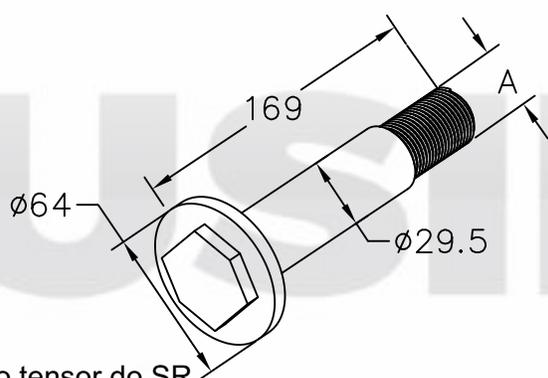
# RECRUSUL



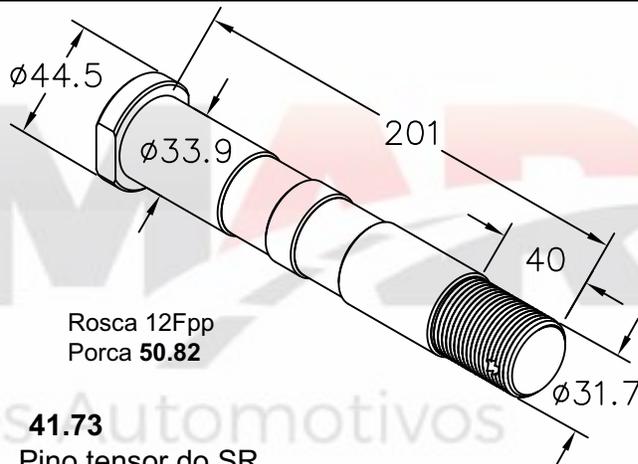
**40.70**  
Pino da balança do SR



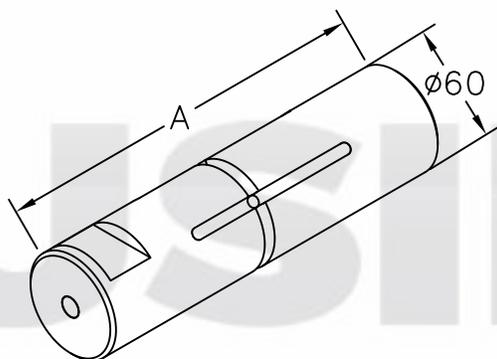
**40.71**  
Pino da balança do SR



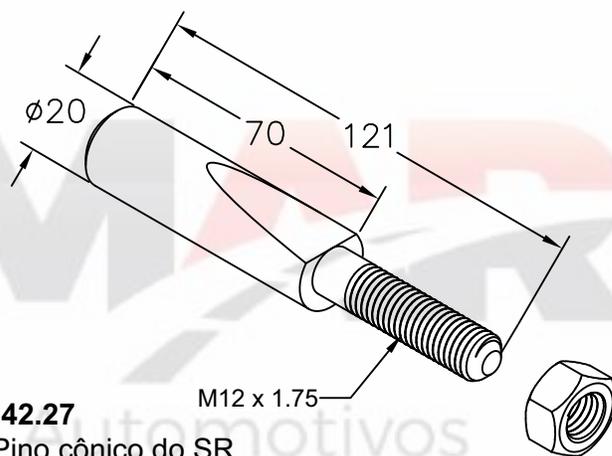
Pino tensor do SR  
**41.09** - A = Rosca M24 (Porca 50.26)  
**41.10** - A = Rosca 1" (Porca 50.04)



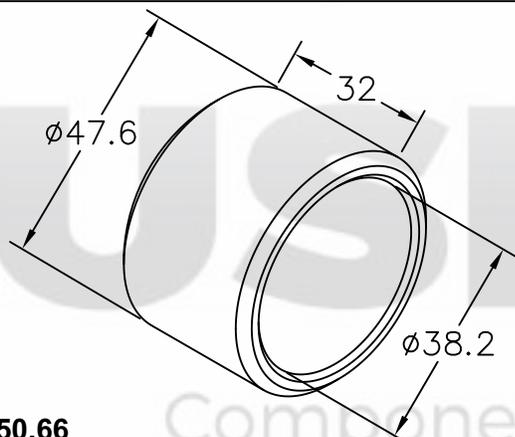
**41.73**  
Pino tensor do SR



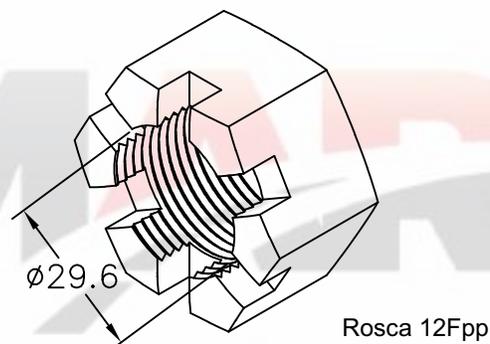
Pino da balança do SR  
**42.23** - A = 240mm  
**42.26** - A = 230mm



**42.27**  
Pino cônico do SR

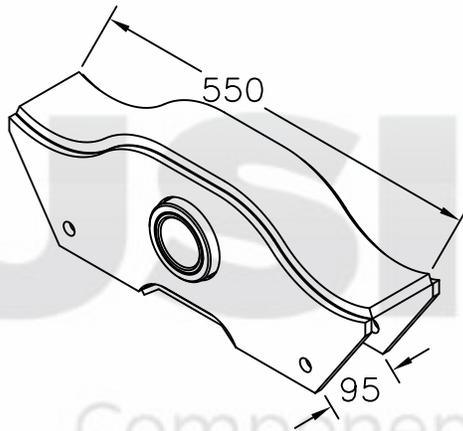


**50.66**  
Buchta de ferro do varão do S do SR

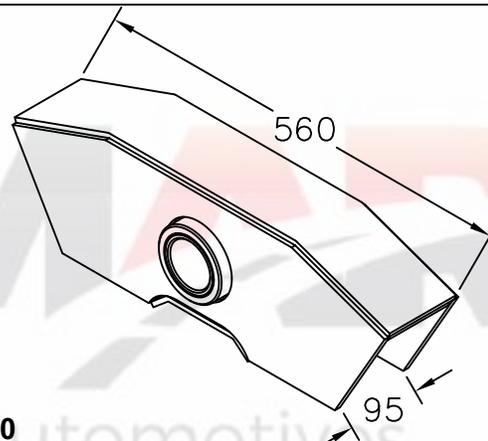


**50.82**  
Porca castelo do pino tensor do SR

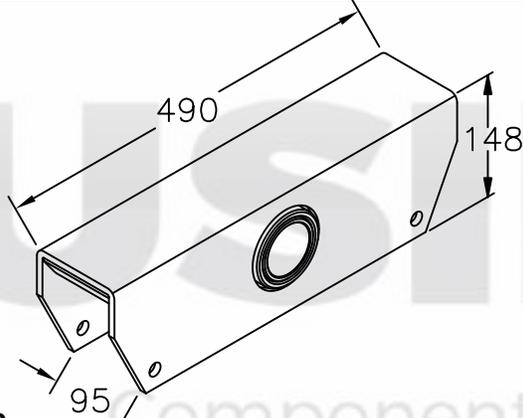
# RECRUSUL



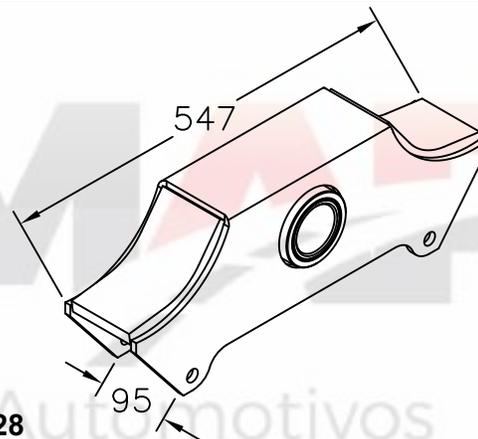
**71.29**  
Balança do SR para pino  $\varnothing$  60mm



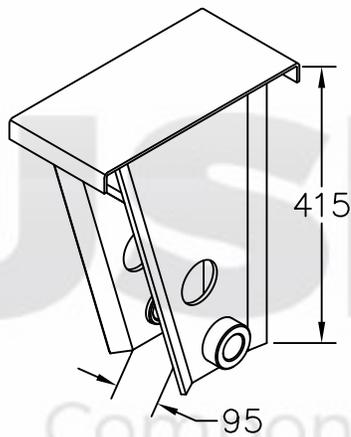
**71.30**  
Balança do SR para pino  $\varnothing$  60mm



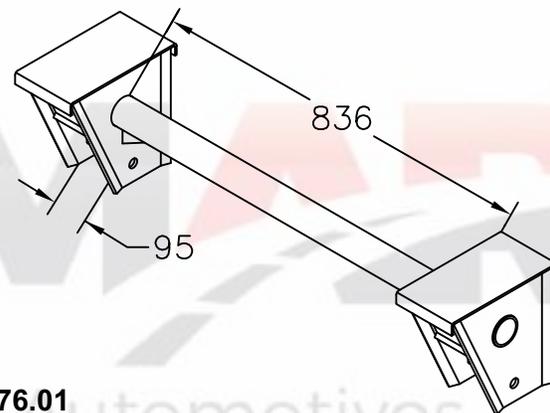
**71.32**  
Balança do SR p/ pino  $\varnothing$ 60



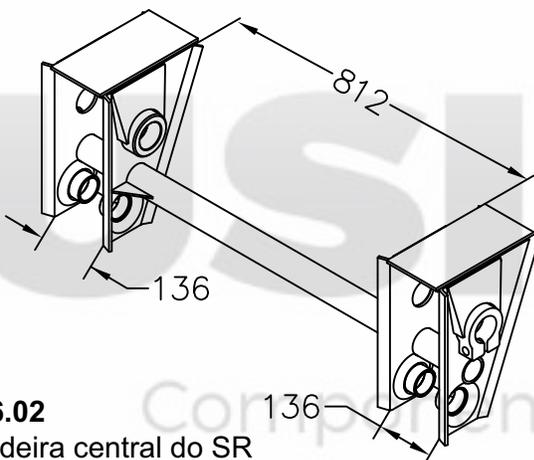
**75.28**  
Balança do SR para pino  $\varnothing$  60mm



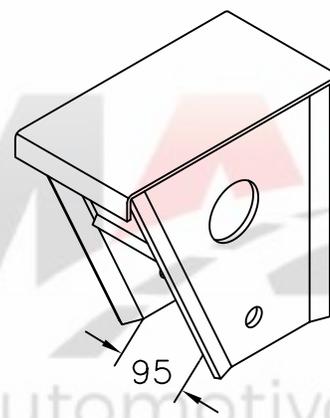
**75.99**  
Suporte dianteiro do SR



**76.01**  
Cadeira traseira do SR

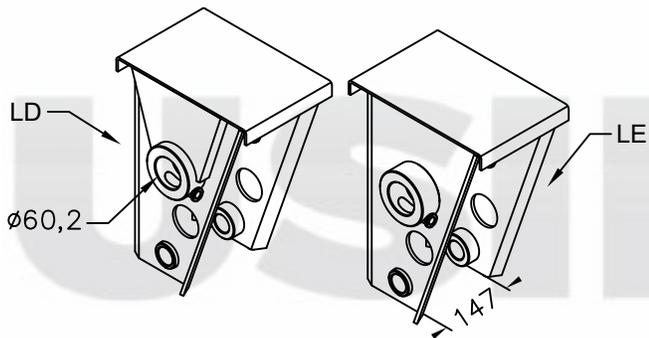


**76.02**  
Cadeira central do SR

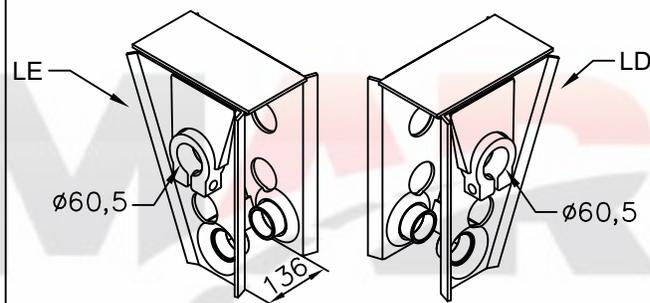


**76.03**  
Suporte da cadeira traseira do SR

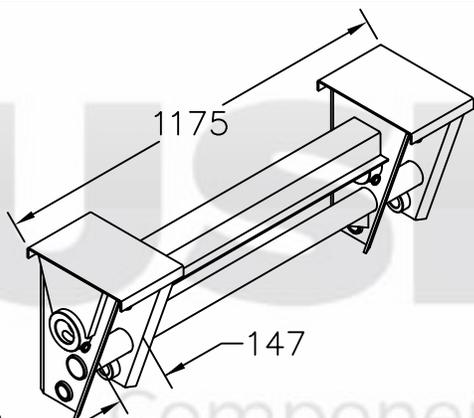
# RECRUSUL



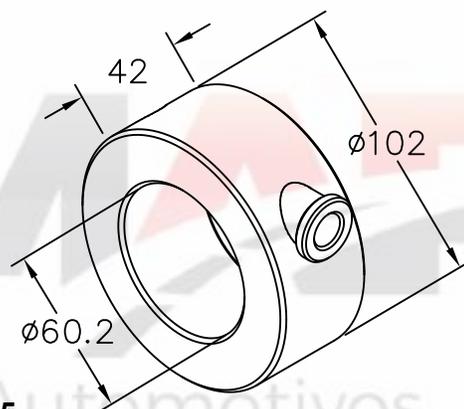
Suporte da cadeira para suspensão do SR  
76.04 - LE  
76.05 - LD



Suporte da cadeira central do SR  
76.06 - LE  
76.07 - LD

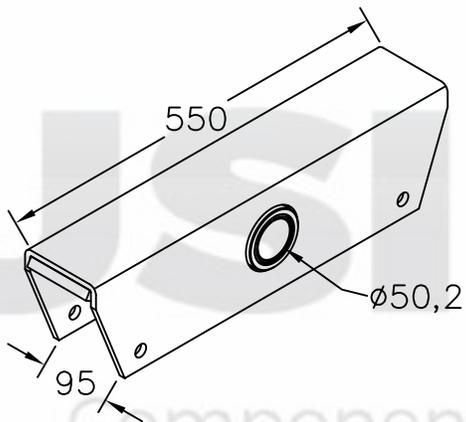


76.08  
Cadeira para suspensão do SR

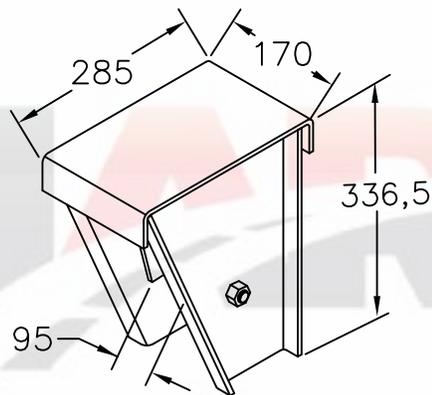


82.65  
Mancal do pino da balança do SR

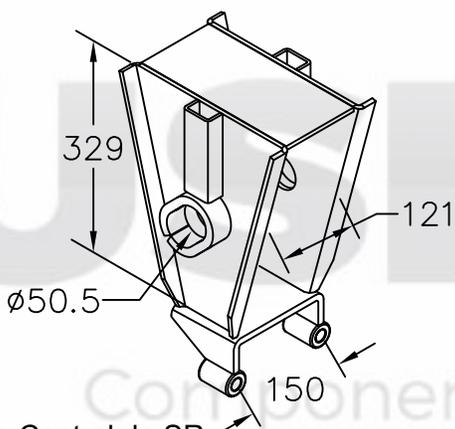
# RODO LINEA



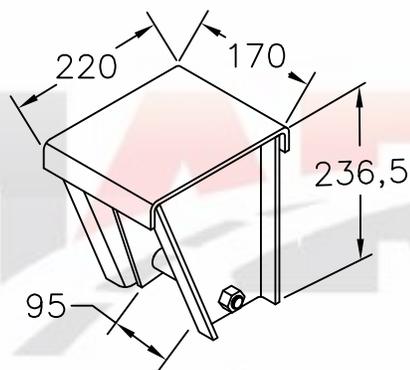
**71.33**  
Balança pino Ø50 do SR



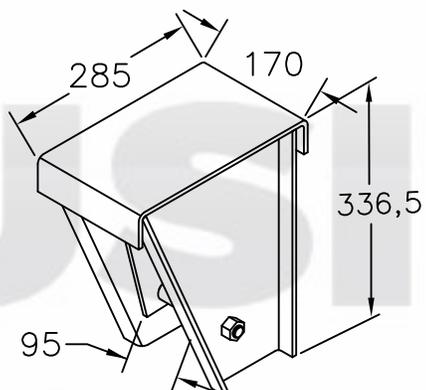
**76.13**  
Conjunto do suporte dianteiro do SR  
com esfrega móvel



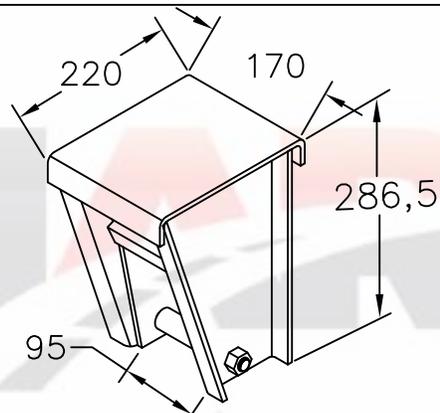
**73.14**  
Suporte Central do SR



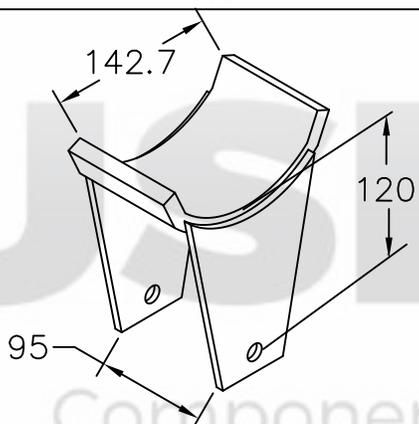
**73.76**  
Conjunto do suporte traseiro do SR  
com esfrega móvel



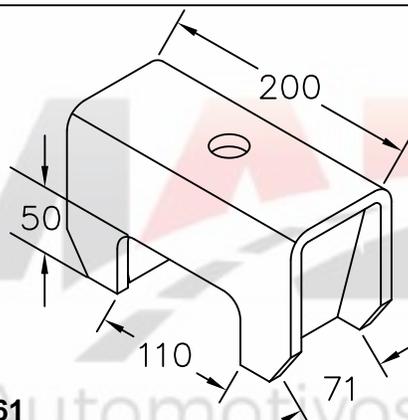
**76.14**  
Conjunto do suporte dianteiro maior do SR  
com esfrega móvel



**76.15**  
Conjunto do suporte traseiro maior do SR  
com esfrega móvel

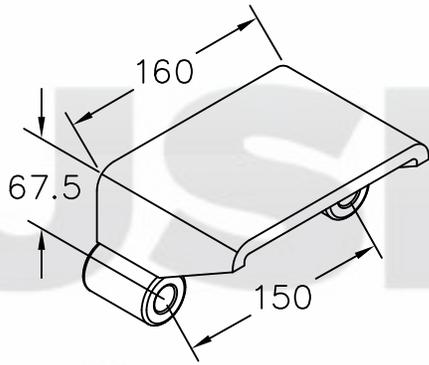


**80.08**  
Conjunto de esfrega móvel do SR



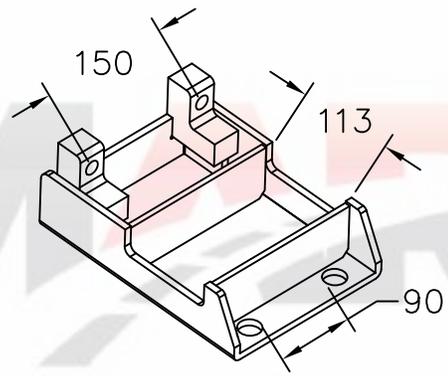
**81.61**  
Sapata Superior do SR

# RODO LINEA



**82.59**

Conjunto mancal do braço tensor do Suporte Central do SR



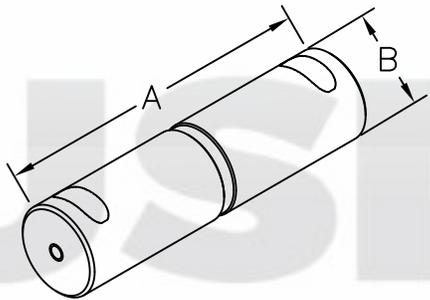
**83.09**

Sapata inferior do SR eixo quadrado

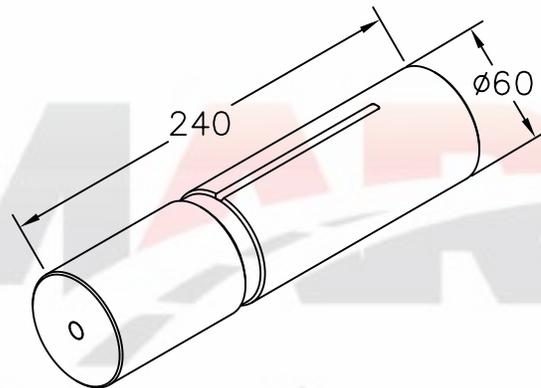
USIMAR  
Componentes Automotivos

USIMAR  
Componentes Automotivos

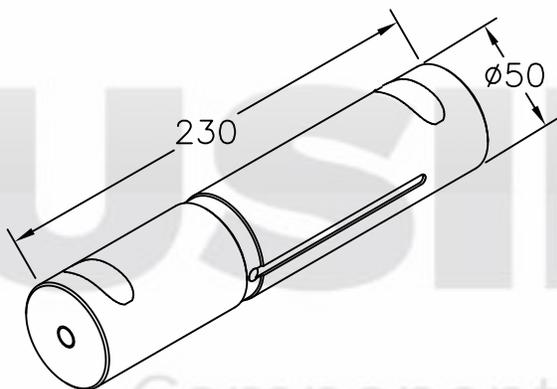
USIMAR  
Componentes Automotivos



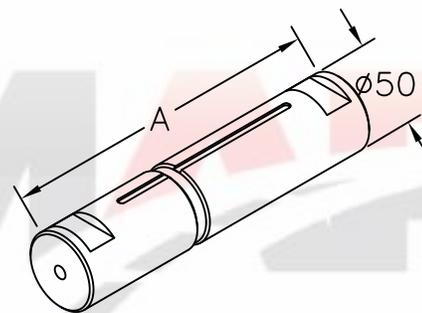
Pino para balança  
**40.20** - A = 230mm B = 60mm (SR)  
**40.21** - A = 215mm B = 50mm (TE)



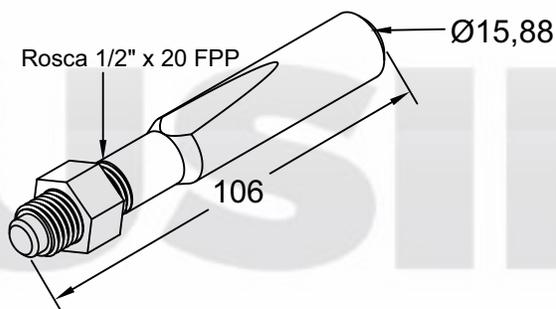
**40.22**  
 Pino da balança para cavalo TE LS



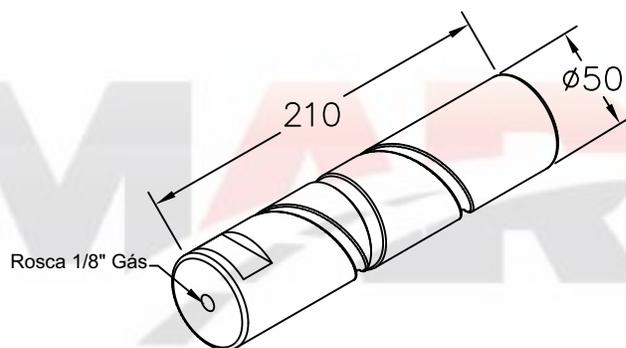
**40.23**  
 Pino da balança do SR modelo 95



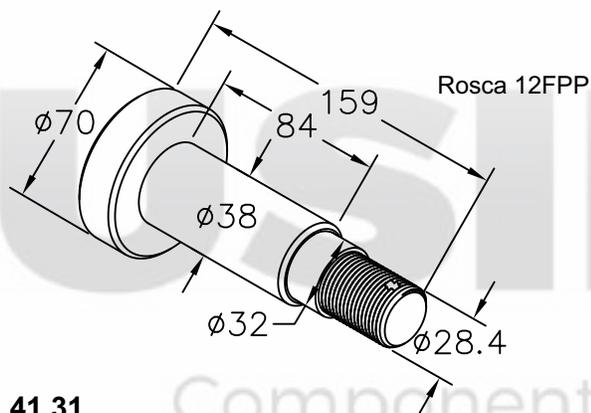
Pino da balança do SR  
**40.25** - A = 222mm (modelo 96)  
**40.24** - A = 200mm



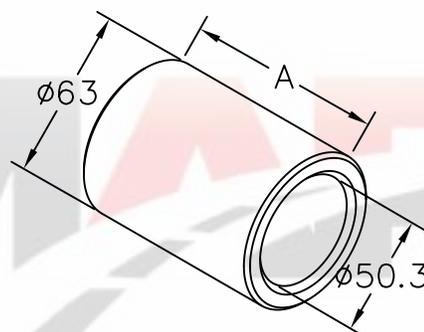
Pino cônico do mancal da balança do SR  
**40.26** - A = 106mm  
**42.15** - A = 114mm



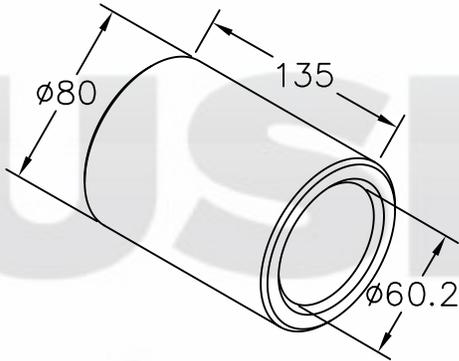
**40.27**  
 Pino da Balança do SR 2003



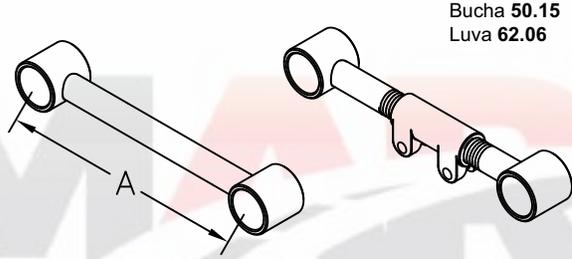
**41.31**  
 Pino tensor do SR



Bucha interna da balança do SR  
**50.72** - A = 117mm (SR 2003)  
**51.07** - A = 135mm (SR)



**51.35**  
Bucha interna da balança do SR



Tensor do SR

Bucha 50.15  
Luva 62.06

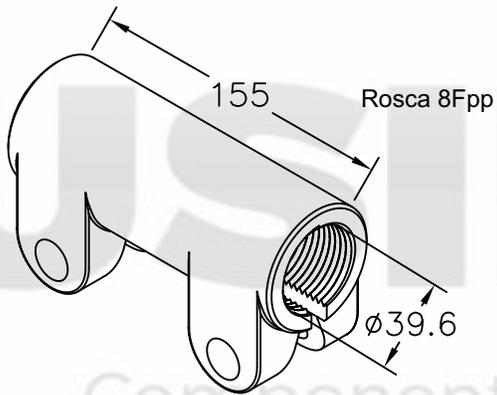
**REGULÁVEL**

**FIXO**

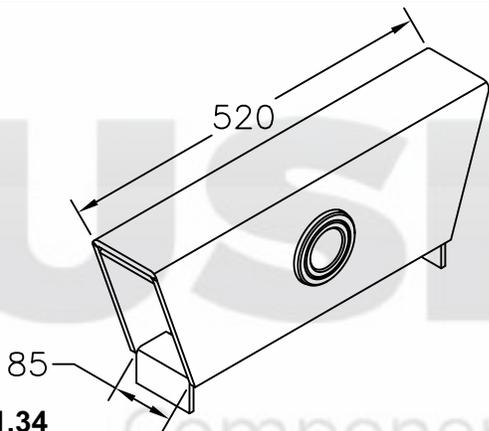
**60.88** - A = 476mm

**60.89** - A = 476mm

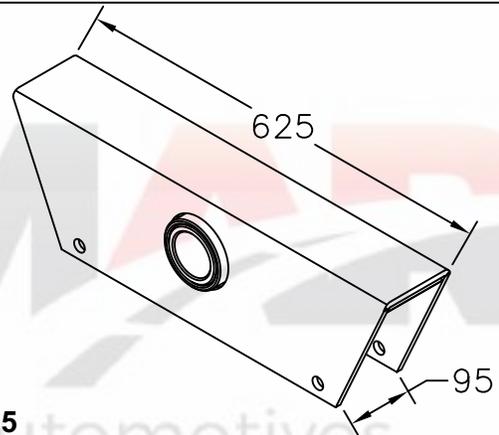
**62.05** - A = 480mm



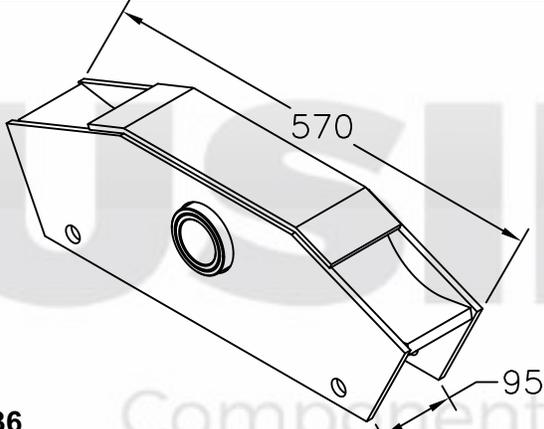
**62.06**  
Luva fundida do tensor do SR



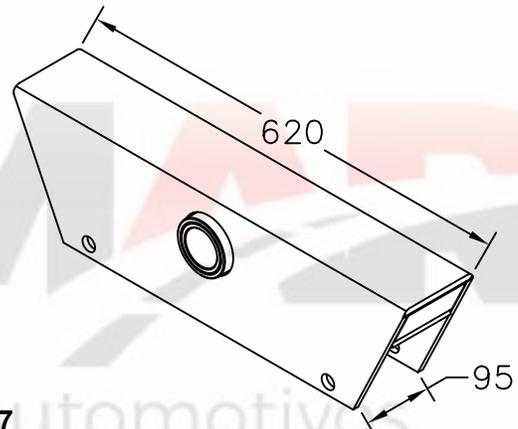
**71.34**  
Balança do TE para pino  $\varnothing$  50mm



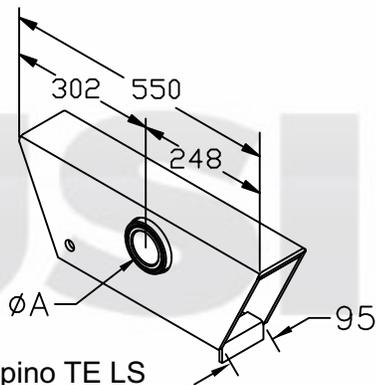
**71.35**  
Balança do SR para pino  $\varnothing$  60mm



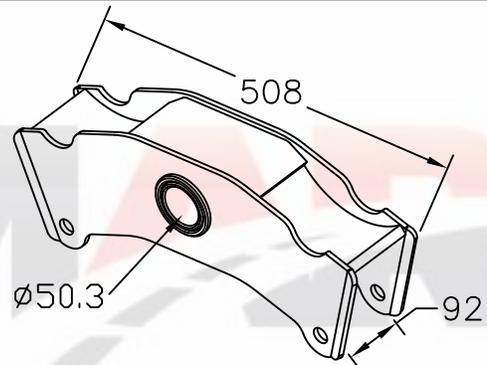
**71.36**  
Balança do SR para pino  $\varnothing$  50mm(40.25)



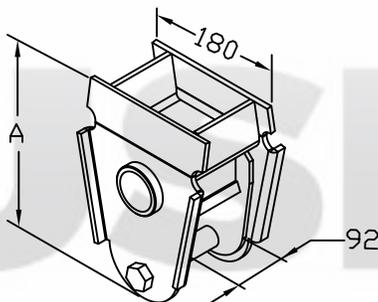
**71.37**  
Balança do SR para pino  $\varnothing$  50mm



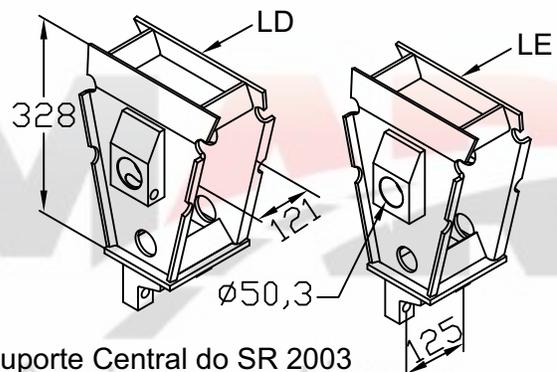
Balança para pino TE LS  
**71.38** - A =  $\varnothing$ 60mm  
**71.39** - A =  $\varnothing$ 50mm



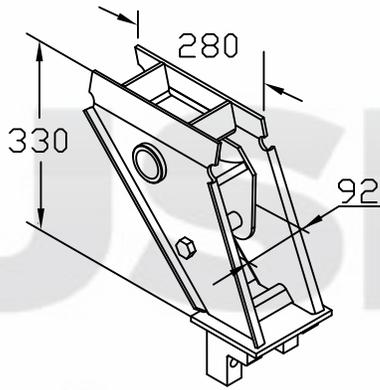
Balança do SR 2003 pino  $\varnothing$ 50mm  
**71.40** - Lateral 1/4"  
**71.41** - Lateral 5/16"



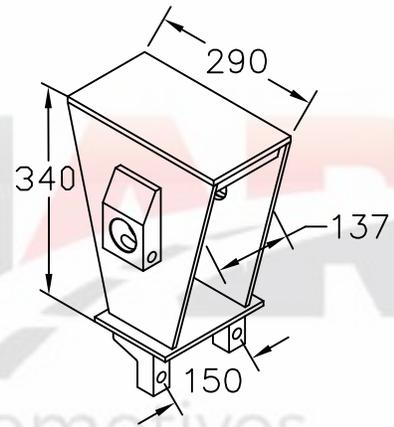
Suporte traseiro com esfrega móvel do SR 2003  
**71.48** - A = 250mm  
**71.49** - A = 285mm



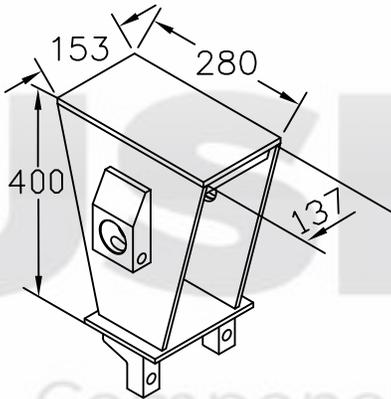
Suporte Central do SR 2003  
**71.50** - LD  
**71.51** - LE



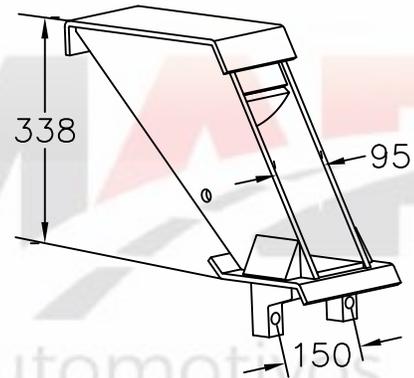
**71.52**  
Suporte dianteiro com esfrega móvel do SR 2003



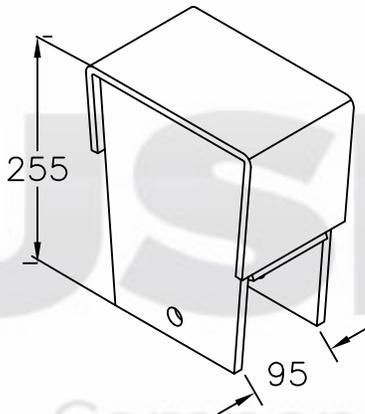
**71.53**  
Suporte central do SR 2000 à 2002



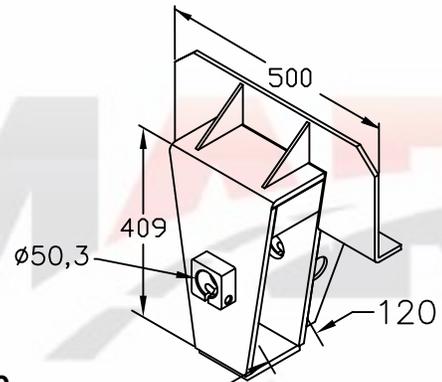
**71.54**  
Suporte central do SR 1996



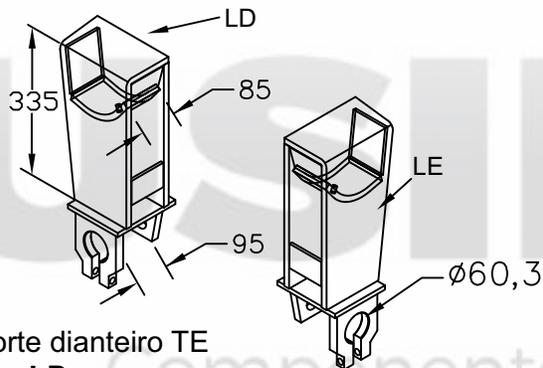
**71.55**  
Suporte dianteiro do SR 2001



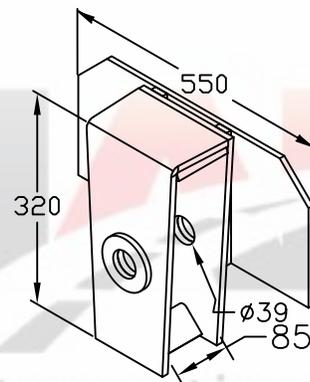
**71.56**  
Suporte traseiro do SR 2001



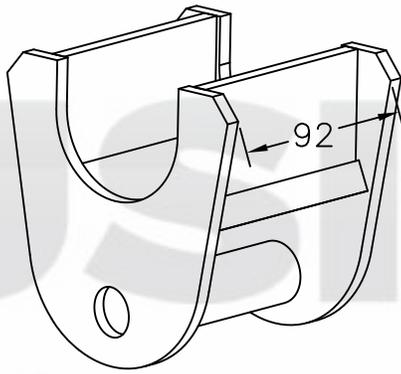
**76.09**  
Suporte central do TE



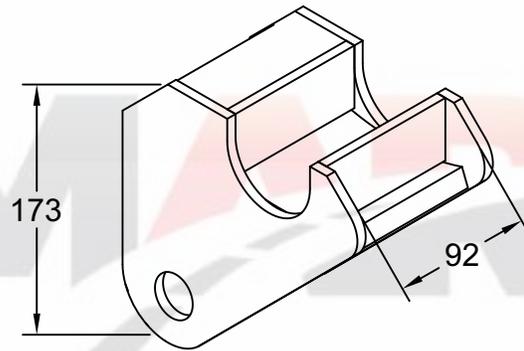
Suporte dianteiro TE  
**76.10 - LD**  
**76.11 - LE**



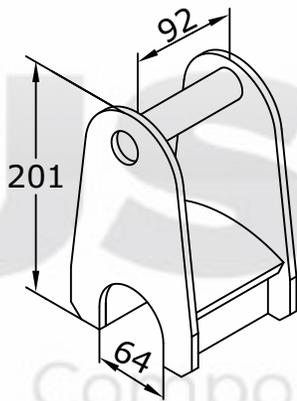
**76.12**  
Suporte traseiro do TE



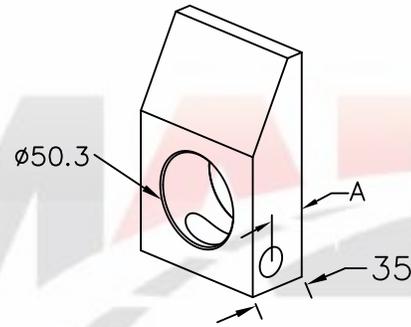
**80.09**  
Sapata Móvel Traseira do SR 2003



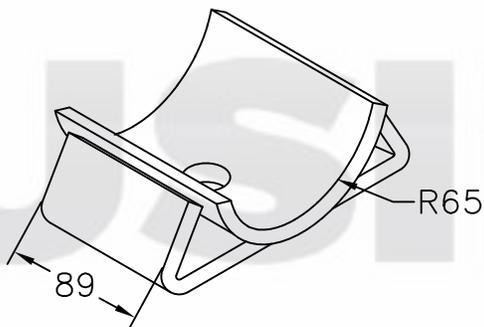
**80.10**  
Sapata Móvel Dianteira do SR 2003



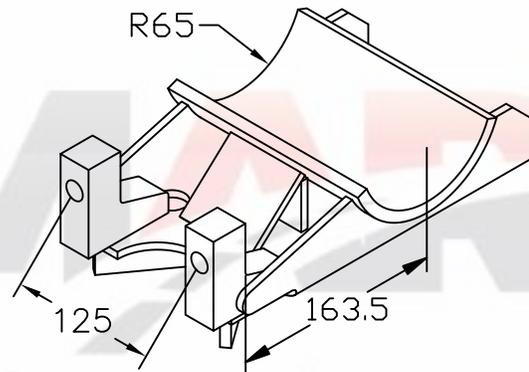
**80.11**  
Esfrega móvel traseira (florestal) do SR



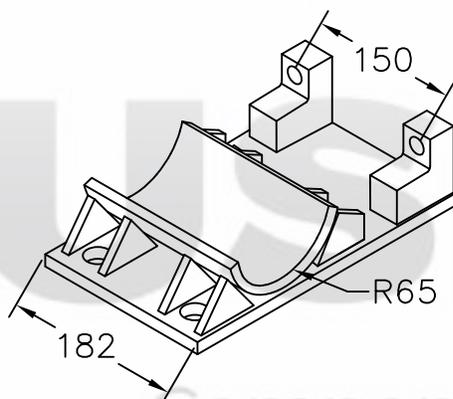
Mancal do Pino da Balança do SR  
**81.26** - Externo, com furo A = 22mm  
**81.29** - Mancal do suporte central A = 17,5mm  
**81.27** - Interno, sem furo



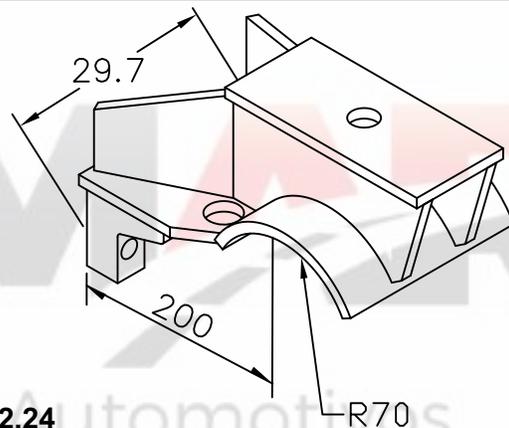
**81.40**  
Sapata do SR



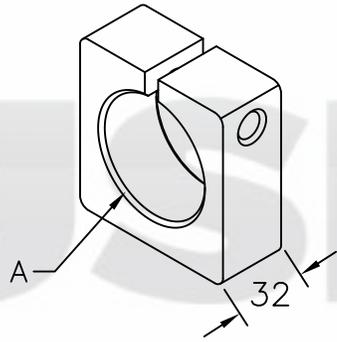
**81.74**  
Sapata inferior do SR 2003



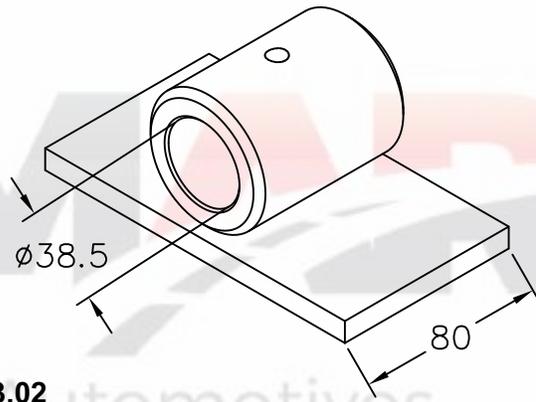
**81.97**  
Sapata com mancal para pino tensor do SR



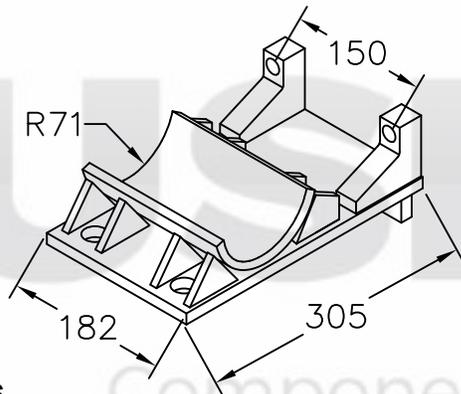
**82.24**  
Sapata superior do SR 2000



Mancal para pino de balança do TE  
**82.50** - A = Ø50mm  
**82.81** - A = Ø60mm

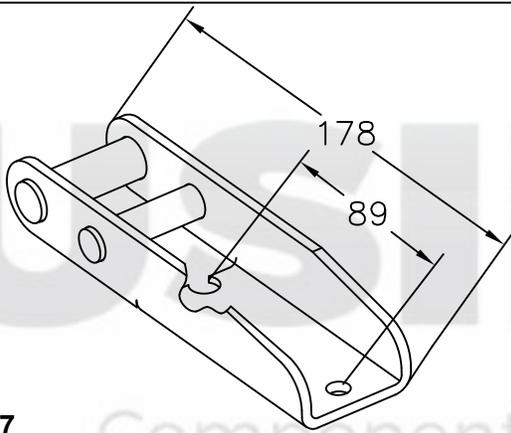


**83.02**  
 Deslizante do suporte traseiro do TE

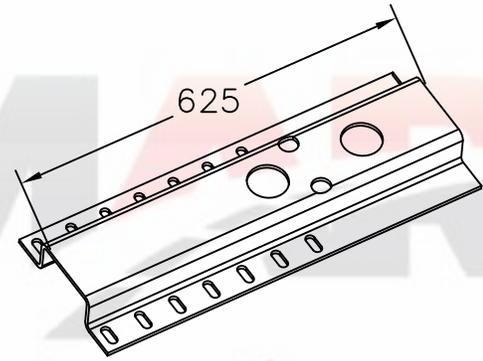


**83.26**  
 Sapata do SR c/ mancal para eixo Ø 138mm

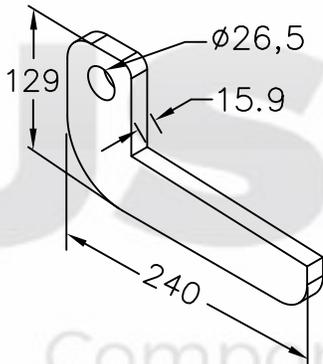
# RODOCLARA



**20.37**  
Engate da tampa moderna da carroceria

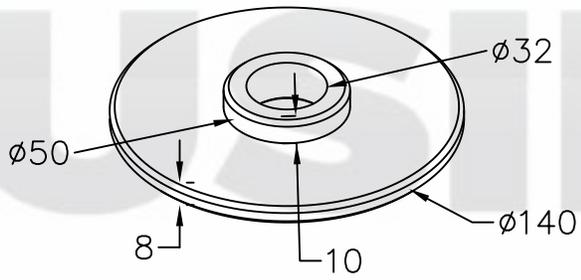


**22.57**  
Fixador do pé mecânico

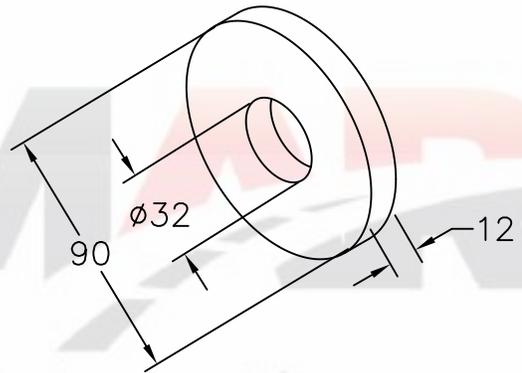


**24.97**  
Articulação da tampa para basculante

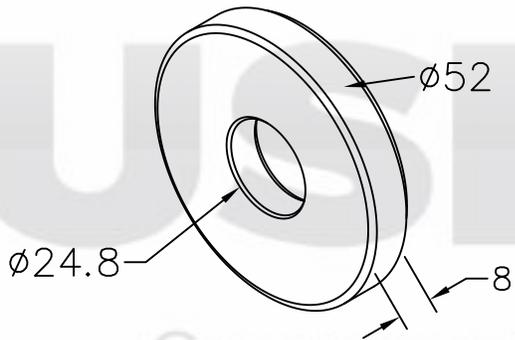
# RODOCLARA



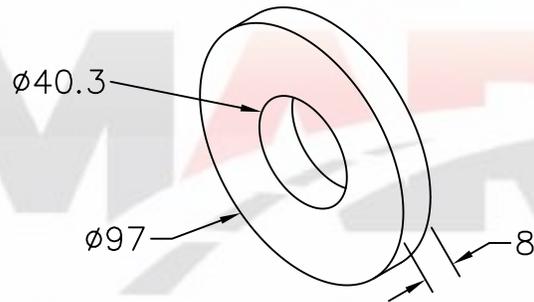
**30.48**  
Arruela do SR



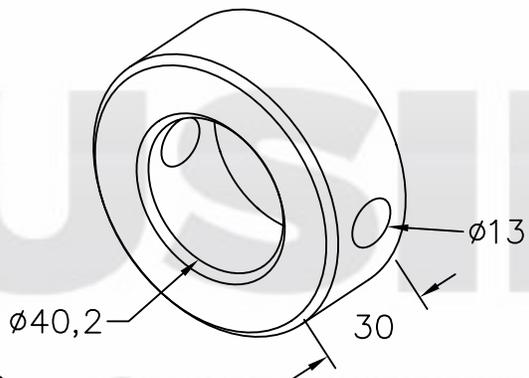
**30.62**  
Arruela do SR



**30.69**  
Arruela para restaurar sapata do SR

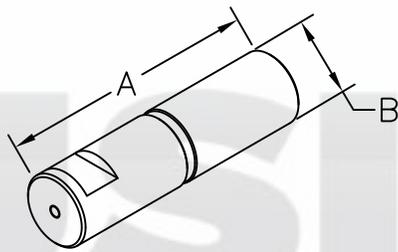


**30.95**  
Arruela interna do suporte traseiro do TE

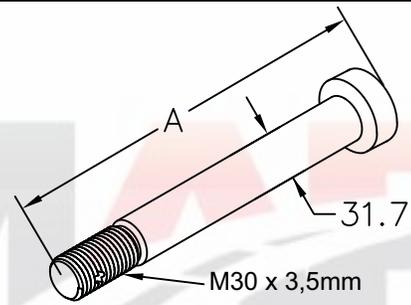


**83.50**  
Mancal externo do suporte traseiro do TE

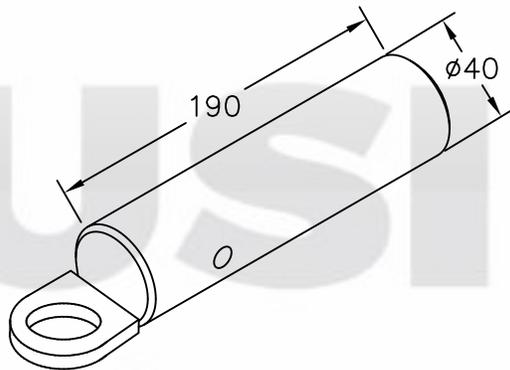
# RODOCLARA



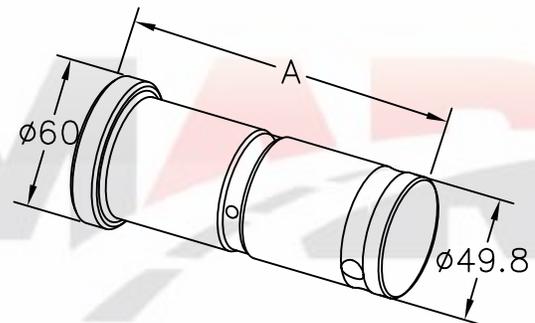
Pino da balança do SR  
**41.06** - A = 200mm B = Ø50mm  
**41.13** - A = 200mm B = Ø60mm  
**41.15** - A = 240mm B = Ø50mm  
**41.82** - A = 260mm B = Ø50mm



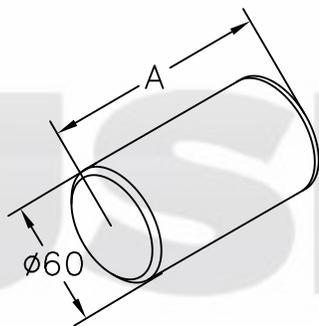
Pino do SR  
**41.07** - A = 270mm  
**41.08** - A = 230mm  
**41.57** - A = 290mm



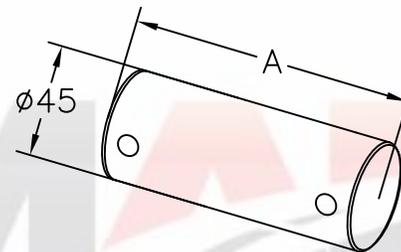
**41.24**  
 Pino do suporte traseiro do TE



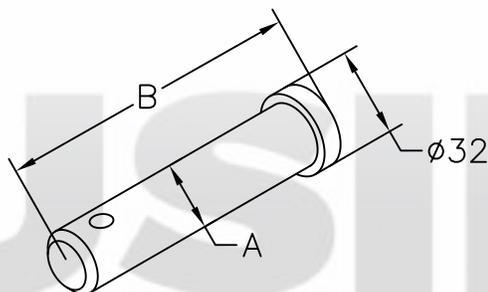
Pino da basculante  
**41.28** - A = 136mm  
**42.52** - A = 120mm



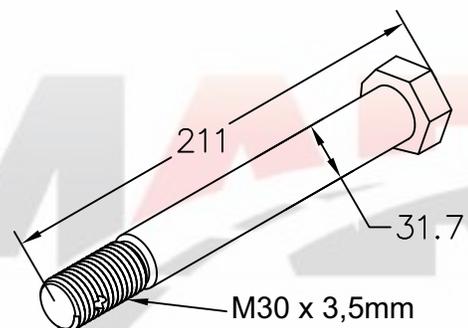
Pino basculante  
**42.11** - A = 930mm  
**42.12** - A = 115mm



Pino de articulação da caçamba  
**42.13** - A = 160mm  
**42.53** - A = 300mm  
**42.54** - A = 400mm  
**42.55** - A = 570mm

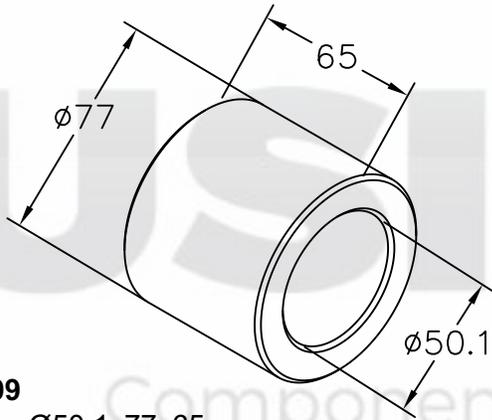


Pino do semi-reboque  
**42.50** - A = Ø25mm B = 88mm  
**41.56** - A = Ø25mm B = 121mm  
**42.51** - A = Ø27mm B = 118mm

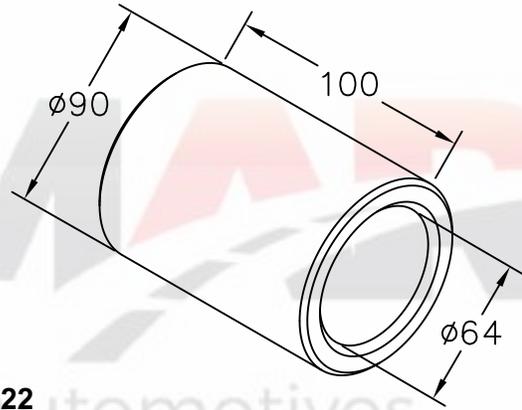


**42.60**  
 Pino do SR cabeça sextavada

# RODOCLARA



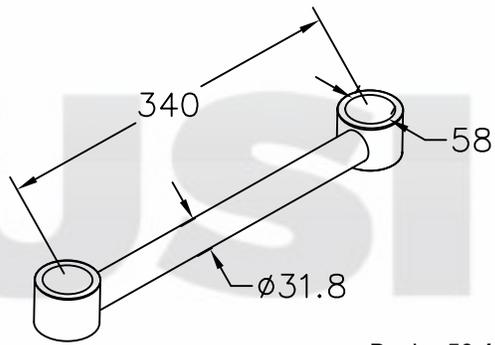
**50.99**  
Bucha  $\phi 50,1 \times 77 \times 65$ mm



**51.22**  
Bucha externa especial

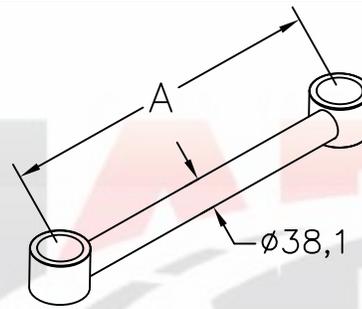


# RODOCLARA



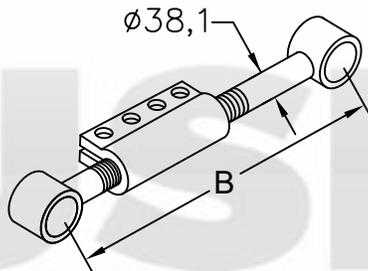
Bucha 50.11

**60.60**  
Tensor fixo especial



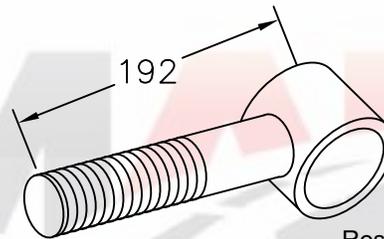
Bucha 50.13

Tensor Fixo  
**62.48** - A = 580mm  
**62.49** - A = 640mm  
**62.50** - A = 680mm  
**62.51** - A = 730mm



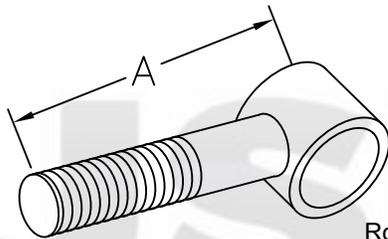
Bucha 50.13

Tensor Regulável  
**62.52** - A = 580mm  
**62.53** - A = 640mm  
**62.54** - A = 680mm  
**60.06** - A = 730mm



Rosca 10 Fpp  
Bucha 50.13

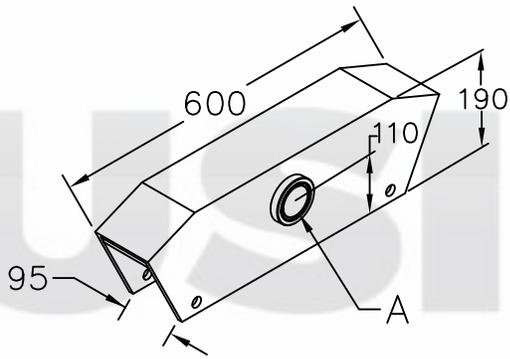
**62.55**  
Ponteira do tensor do TE rosca direita



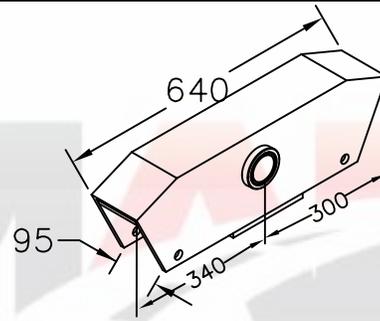
Rosca 10 Fpp  
Bucha 50.13

Ponteira do tensor regulável rosca esquerda TE  
**62.56** - A = 520mm  
**62.57** - A = 470mm  
**62.58** - A = 370mm  
**62.59** - A = 430mm

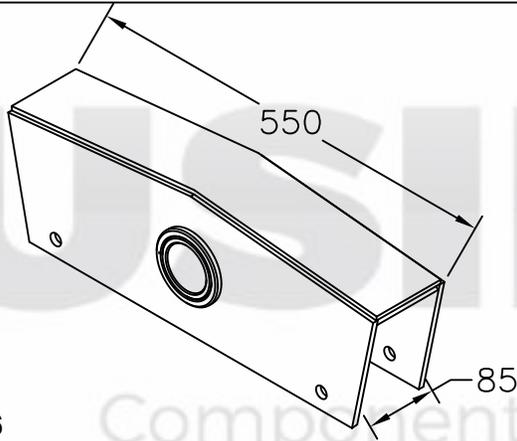
# RODOCLARA



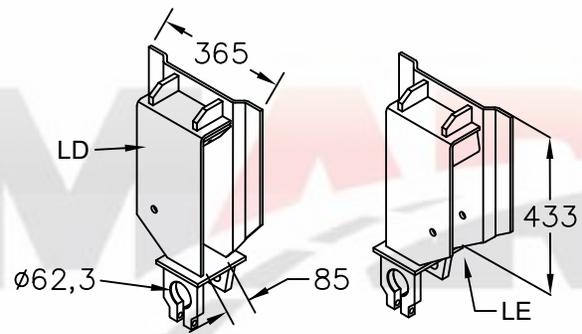
Balança do SR  
**70.17** - A = Ø60mm  
**70.18** - A = Ø50mm



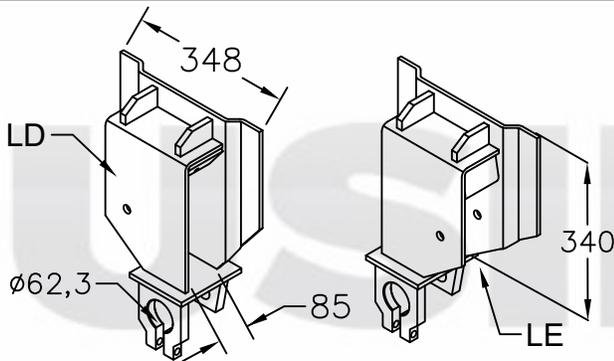
Balança do TE LS com bucha 120mm  
 fora de centro  
**71.96** - A = Ø60mm  
**75.47** - A = Ø50mm



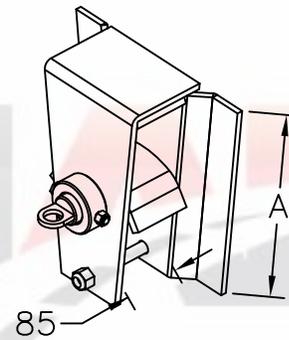
**75.46**  
 Balança do TE para pino Ø60mm



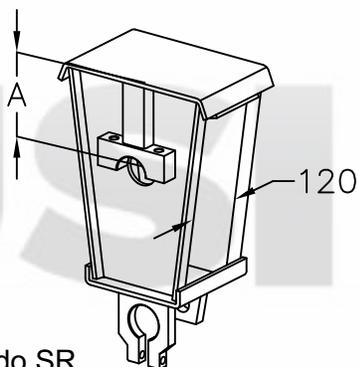
Suporte dianteiro do TE 3/8" 433mm  
**71.88** - LD  
**71.86** - LE



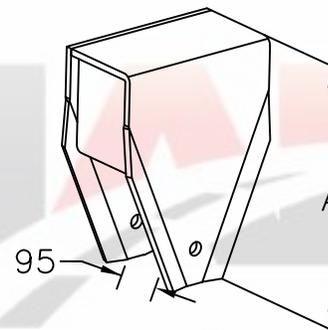
Suporte dianteiro do TE 3/8" 340mm  
**71.89** - LD  
**71.87** - LE



Suporte traseiro do TE rodoclara  
**72.36** - A = 350mm  
**72.37** - A = 300mm

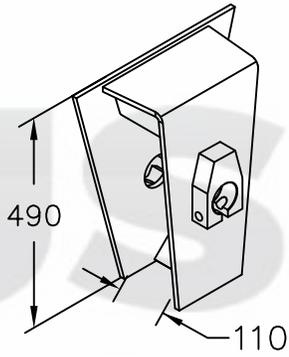


Suporte central do SR  
**72.52** - A = 162mm  
**77.15** - A = 190mm

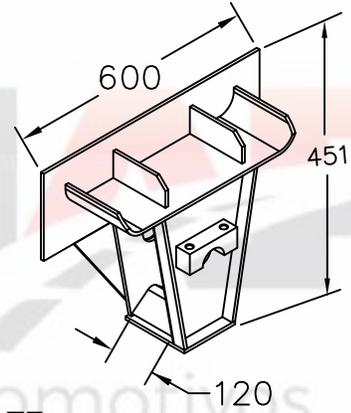


Suporte dianteiro e traseiro do SR  
**76.40** - A = 270mm  
**76.41** - A = 290mm

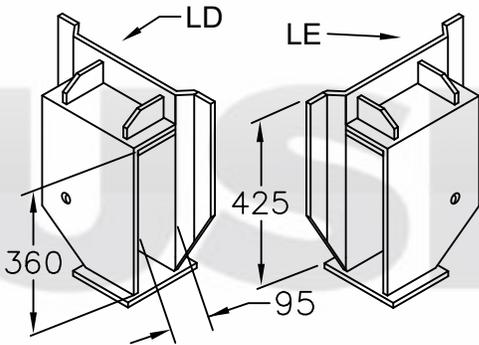
# RODOCLARA



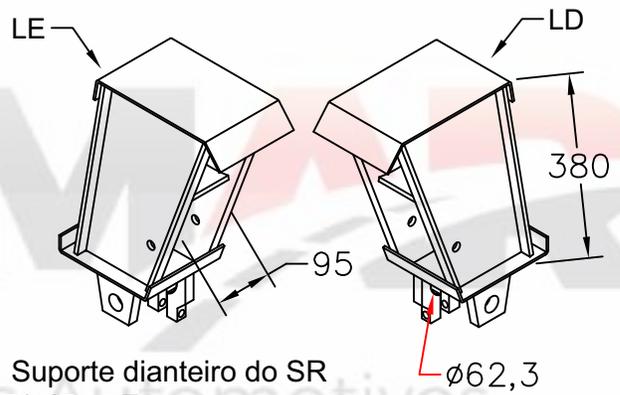
Suporte central do TE  
**76.42** - P/ pino Ø50mm  
**76.43** - P/ pino Ø60mm



**76.44**  
Suporte do TE

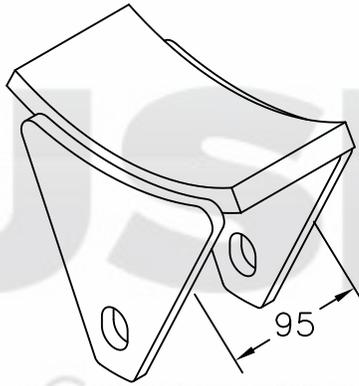


Suporte dianteiro do TE com chapa 1/2"  
**76.46** - LD  
**76.45** - LE

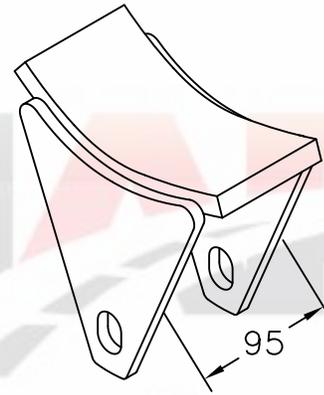


Suporte dianteiro do SR  
**76.47** - LE  
**76.48** - LD

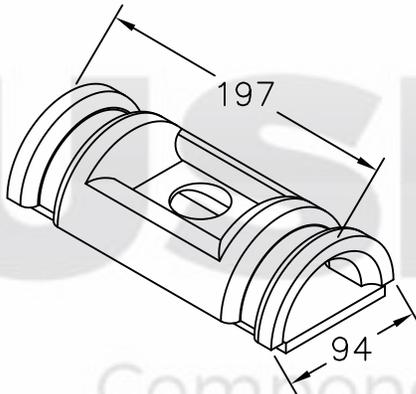
# RODOCLARA



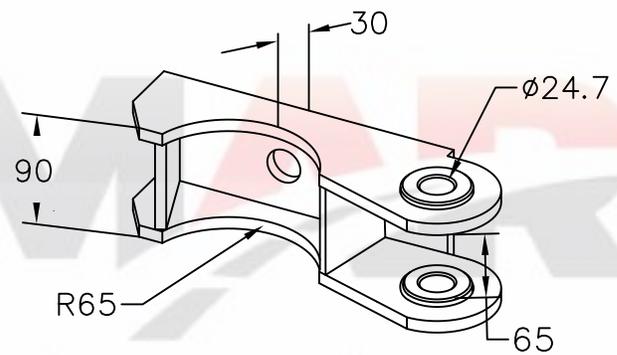
**80.28**  
Esfrega móvel do suporte dianteiro do SR



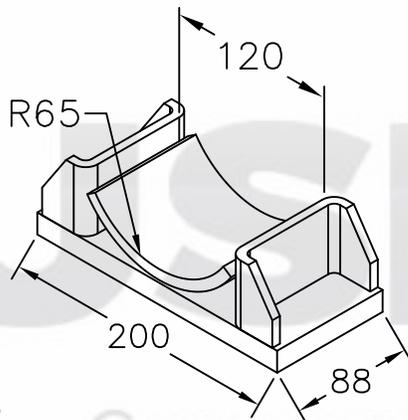
**80.29**  
Esfrega móvel do suporte traseiro do SR



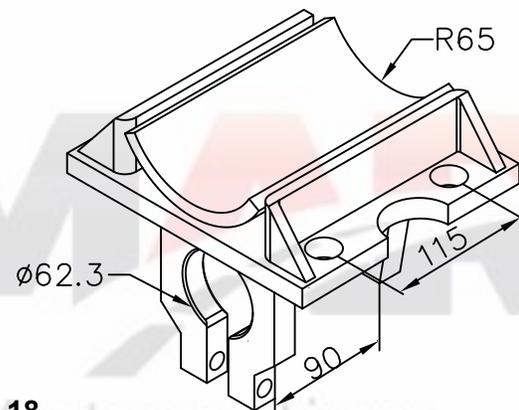
**82.03**  
Separador do grampo de mola do SR



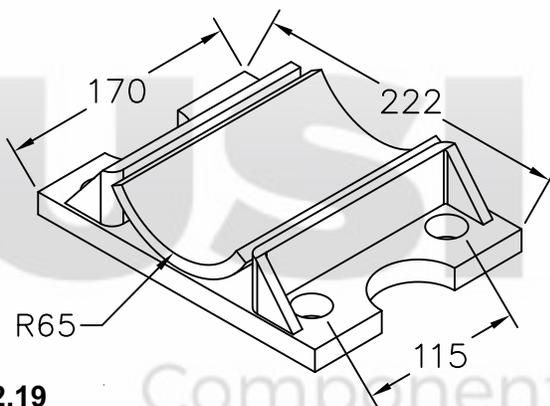
**82.16**  
Sapata do SR eixo redondo



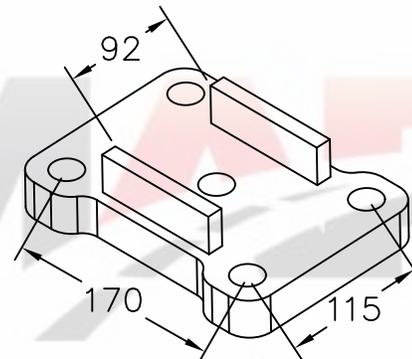
**82.17**  
Sapata feixe de mola eixo redondo



**82.18**  
Sapata com mancais Rodoviária do SR

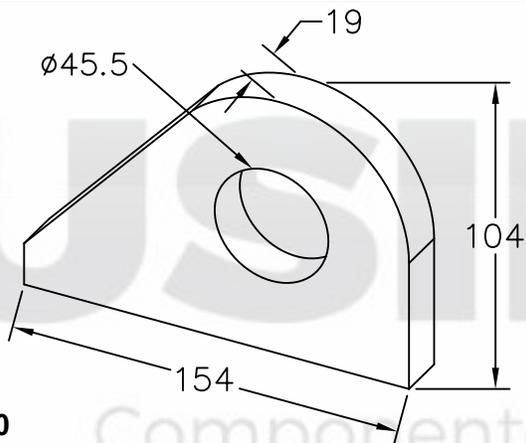


**82.19**  
Sapata inferior do SR

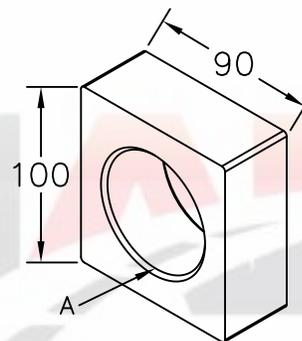


**82.27**  
Sapata inferior do SR

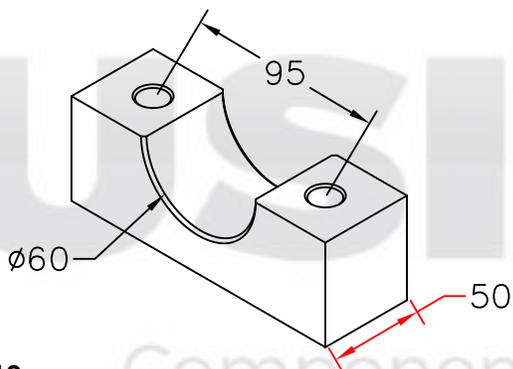
# RODOCLARA



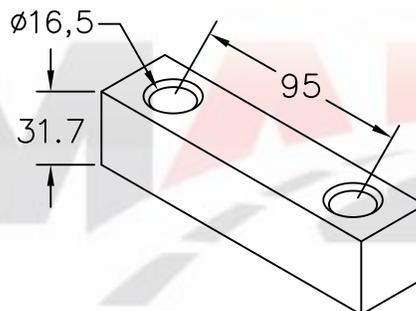
**82.60**  
Mancal do pino da basculante



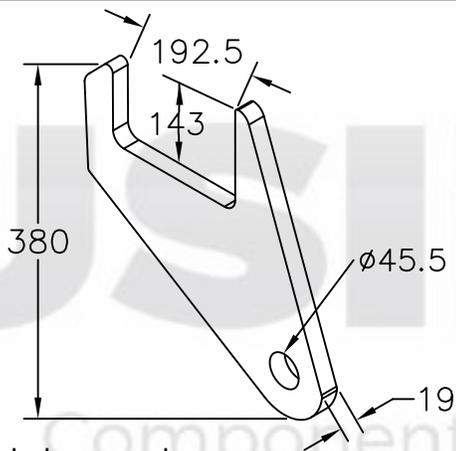
Mancal interno do pino da balança sem furo  
**82.82** - A = 60mm  
**82.20** - A = 50mm



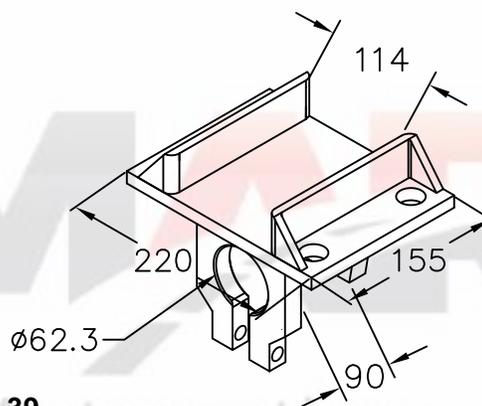
**83.13**  
Mancal maciço do SR p/ pino balança Ø60



**83.14**  
Chaveta inferior maciça para o pino da balança



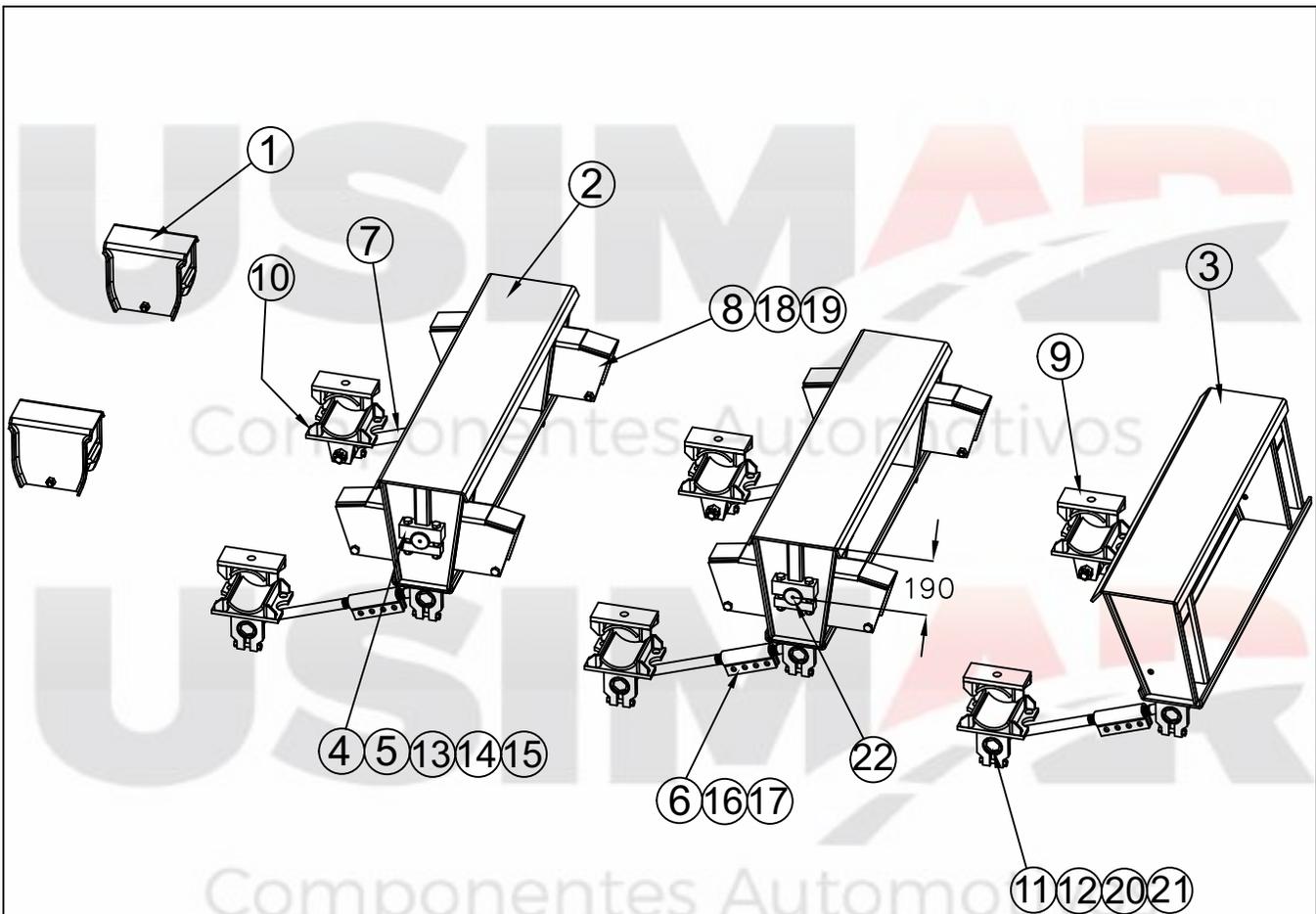
**83.38**  
Garfo de lek da caçamba



**83.39**  
Sapata inferior do TE



# RODOCLARA

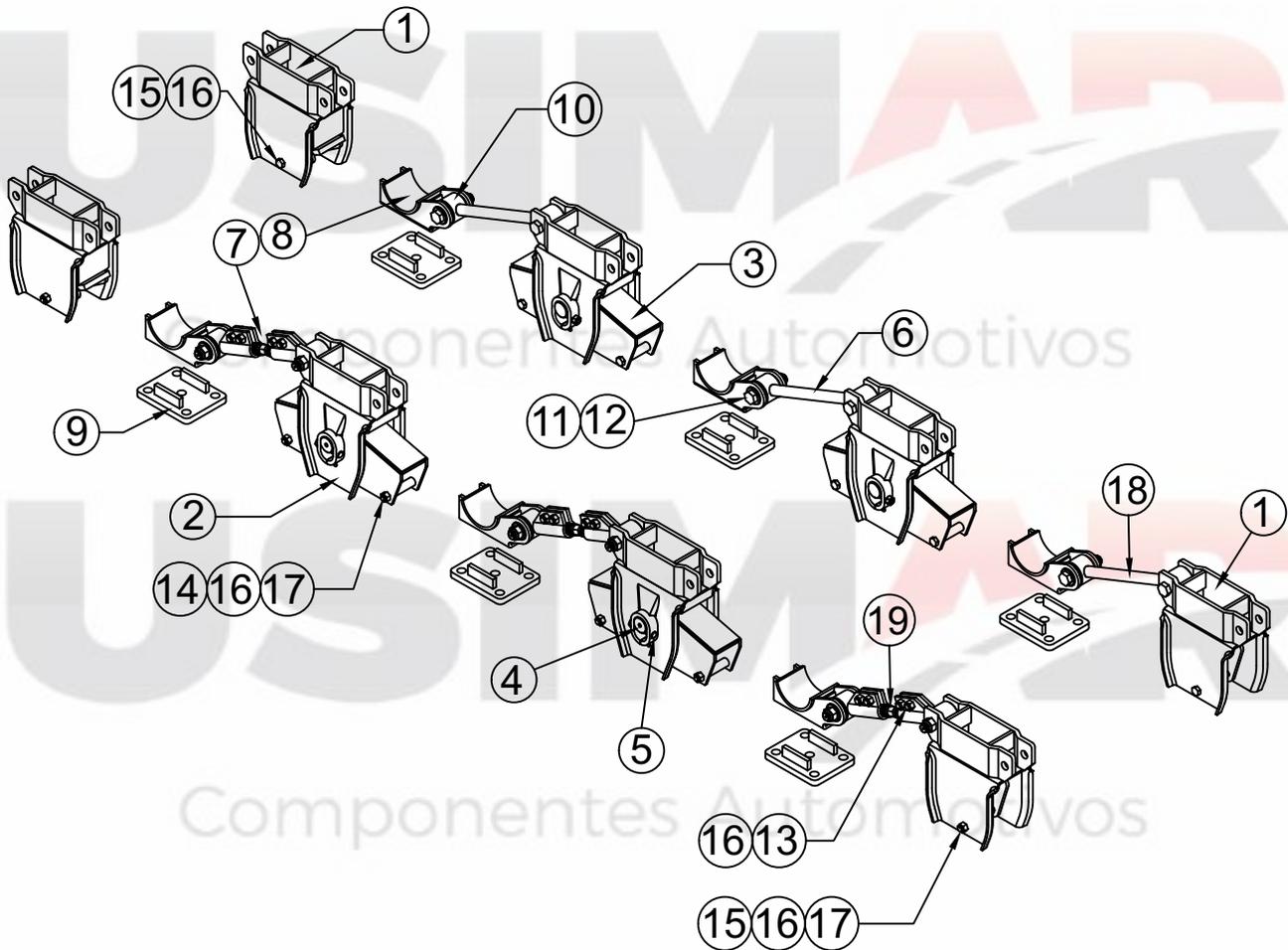


**75.36**

Suspensão 3 Eixos Alta do SR

N°	Qtd.	Código	Denominação
01	02	<b>71.62</b>	Suporte traseiro
02	02	<b>75.36.10</b>	Cadeira Central
03	01	<b>75.36.20</b>	Cadeira Dianteira
04	04	<b>75.36.40</b>	Mancal trava pino
05	04	<b>41.13/esp</b>	Pino da balança
06	03	<b>60.04</b>	Tensor regulável
07	03	<b>61.43</b>	Tensor Fixo
08	04	<b>70.17</b>	Balança para pino Ø60mm
09	06	<b>82.17</b>	Sapata superior
10	06	<b>82.18</b>	Sapata inferior
11	12	<b>41.04</b>	Pino do Tensor
12	12	<b>50.04</b>	Porca do pino tensor
13	08		Parafuso M16 x 125mm
14	08		Porca M16
15	08		Arruela de pressão
16	12		Parafuso M16 x 50mm
17	12		Porca M16 autotravante
18	12		Parafuso 5/8" x 6" zincado
19	12		Porca 5/8" autotravante
20	12		Parafuso 1/2" x 90mm
21	12		Porca 1/2" autotravante
22	04		Graxeira

# RODOCLARA



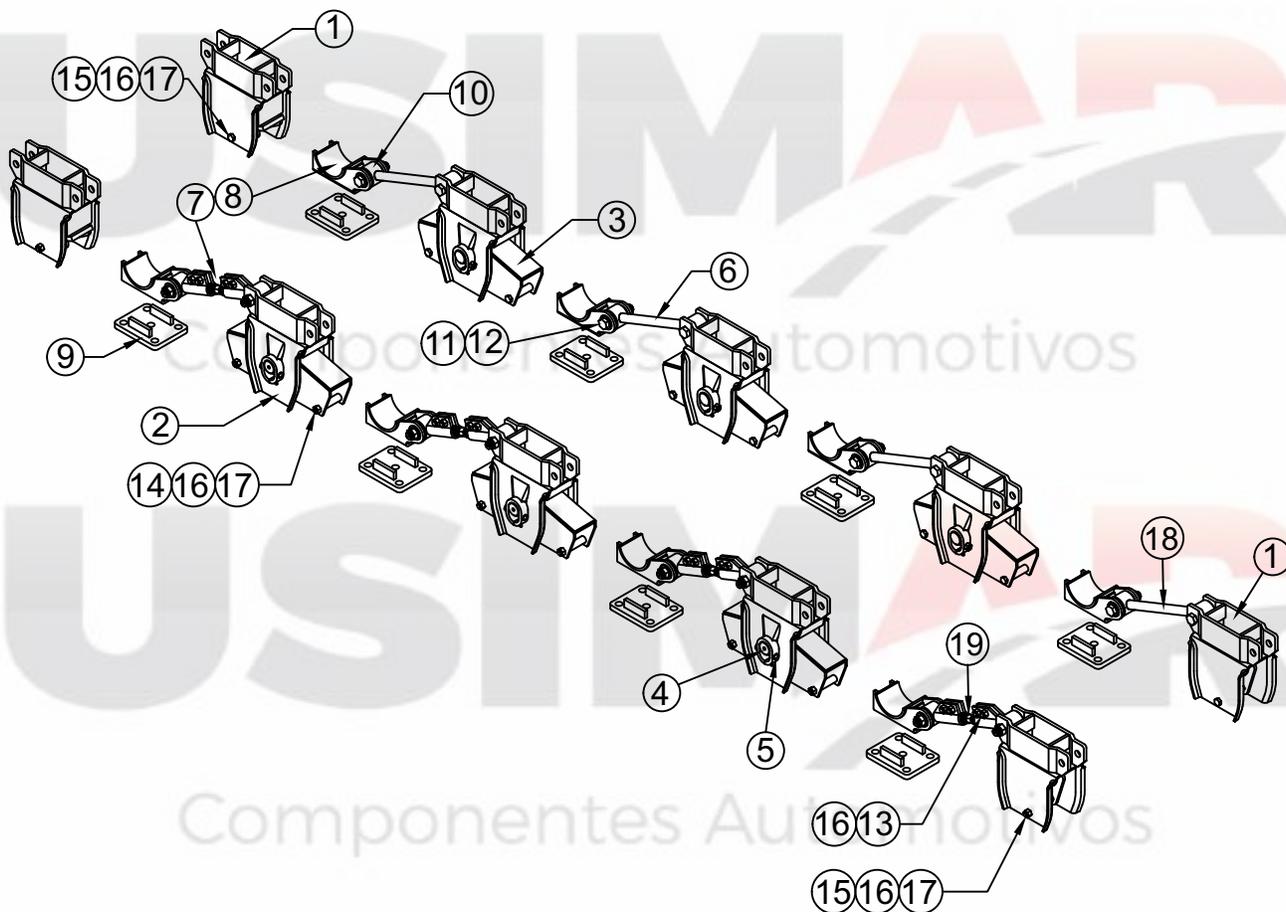
## Suspensão Carrega Tudo - Suporte Dianteiro Reto

**76.89 - 3 EIXOS**

**76.88 - 2 EIXOS**

Nº	Qtd.	Código	Denominação
01	04	72.33	Suporte Dianteiro/Traseiro
02	04	72.34	Suporte Central
03	04	70.20	Balança
04	04	40.01	Pino da Balança
05	08	41.18	Contrapino do Mancal + porca 9/16"
06	02	62.61	Tensor Fixo 430mm
07	02	62.62	Tensor Regulável 430mm
08	06	81.05	Sapata Superior p/ Ø130mm
09	06	83.46	Sapata Inferior c/ furos Ø26mm
10	12	90.63	Bucha Molecular
11	12	41.16	Parafuso do Tensor
12	12	50.26	Porca do Pino do Tensor
13	12		Parafuso 5/8" X 2" zincado
14	08		Parafuso 5/8" x 5" zincado
15	20		Porca 5/8" autotravante
16	12	82.04	Tubo
18	01	62.63	Tensor fixo c/ 320mm
19	01	62.64	Tensor regulável c/ 320mm

Nº	Qtd.	Código	Denominação
01	04	72.33	Suporte Dianteiro/Traseiro
02	02	72.34	Suporte Central
03	02	70.20	Balança
04	02	40.01	Pino da Balança
05	04	41.18	Contrapino do Mancal + porca 9/16"
06	01	62.61	Tensor Fixo 430mm
07	01	62.62	Tensor Regulável 430mm
08	04	81.05	Sapata Superior p/ Ø130mm
09	04	83.46	Sapata Inferior c/ furos Ø26mm
10	08	90.63	Bucha Molecular
11	08	41.16	Parafuso do Tensor
12	08	50.26	Porca do Pino do Tensor
13	08		Parafuso 5/8" X 2" zincado
14	04		Parafuso 5/8" x 5" zincado
15	12		Porca 5/8" autotravante
16	04	82.04	Tubo
18	01	62.63	Tensor fixo c/ 320mm
19	01	62.64	Tensor regulável c/ 320mm

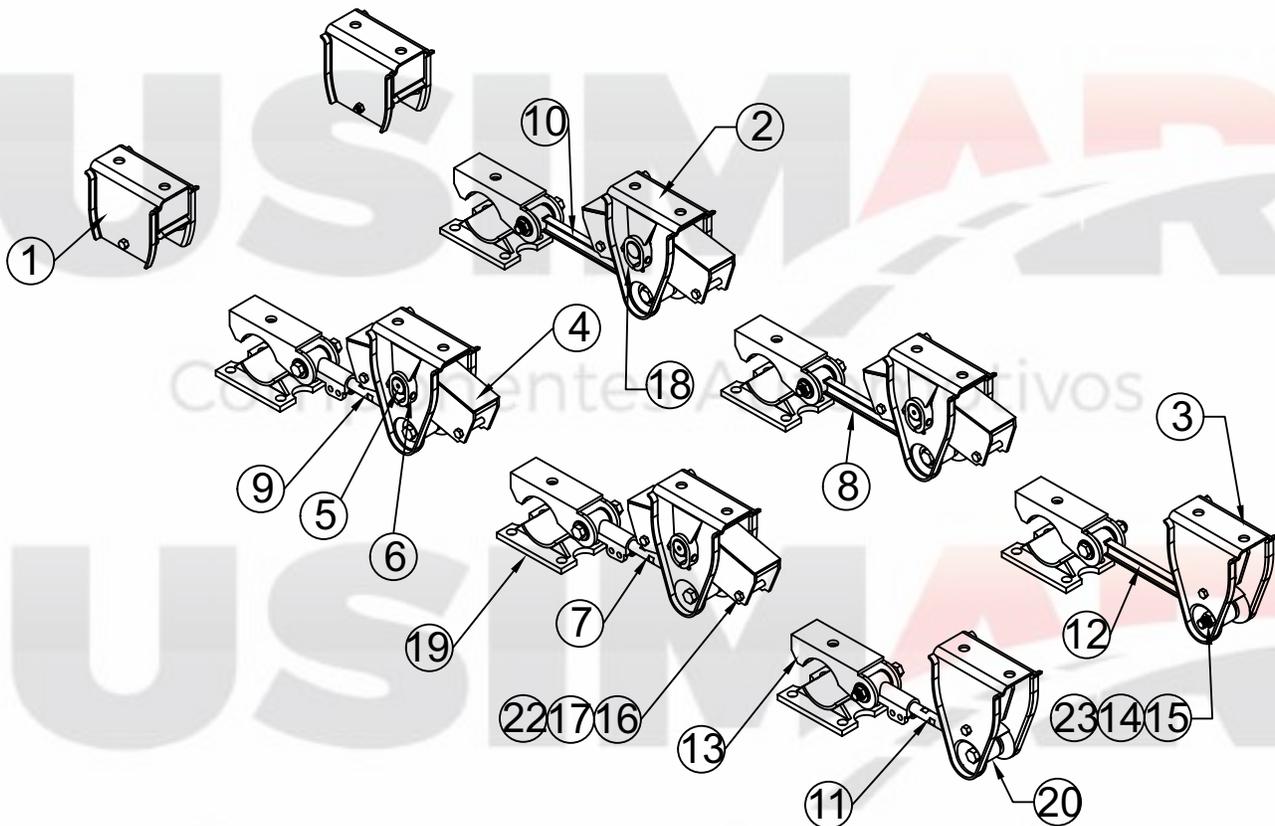


## 76.90

### Suspensão Carrega Tudo 4 Eixos Suporte Dianteiro Reto

Nº	Qtd.	Código	Denominação
01	04	72.33	Suporte Dianteiro/Traseiro
02	06	72.34	Suporte Central
03	06	70.20	Balança
04	06	40.01	Pino da Balança
05	12	41.18	Contrapino do Mancal + porca 9/16"
06	03	62.61	Tensor Fixo 430mm
07	03	62.62	Tensor Regulável 430mm
08	08	81.05	Sapata Superior p/ Ø130mm
09	08	83.46	Sapata Inferior c/ furos Ø26mm
10	16	90.63	Bucha Molecular
11	16	41.16	Parafuso do Tensor
12	18	50.26	Porca do Pino do Tensor
13	16		Parafuso 5/8" X 2" zincado
14	12		Parafuso 5/8" x 5" zincado
15	28		Porca 5/8" autotravante
16	12	82.04	Tubo
17	12		Arruela de Pressão 5/8"
18	01	62.63	Tensor fixo c/ 320mm
19	01	62.64	Tensor regulável c/ 320mm

# RODOCLARA

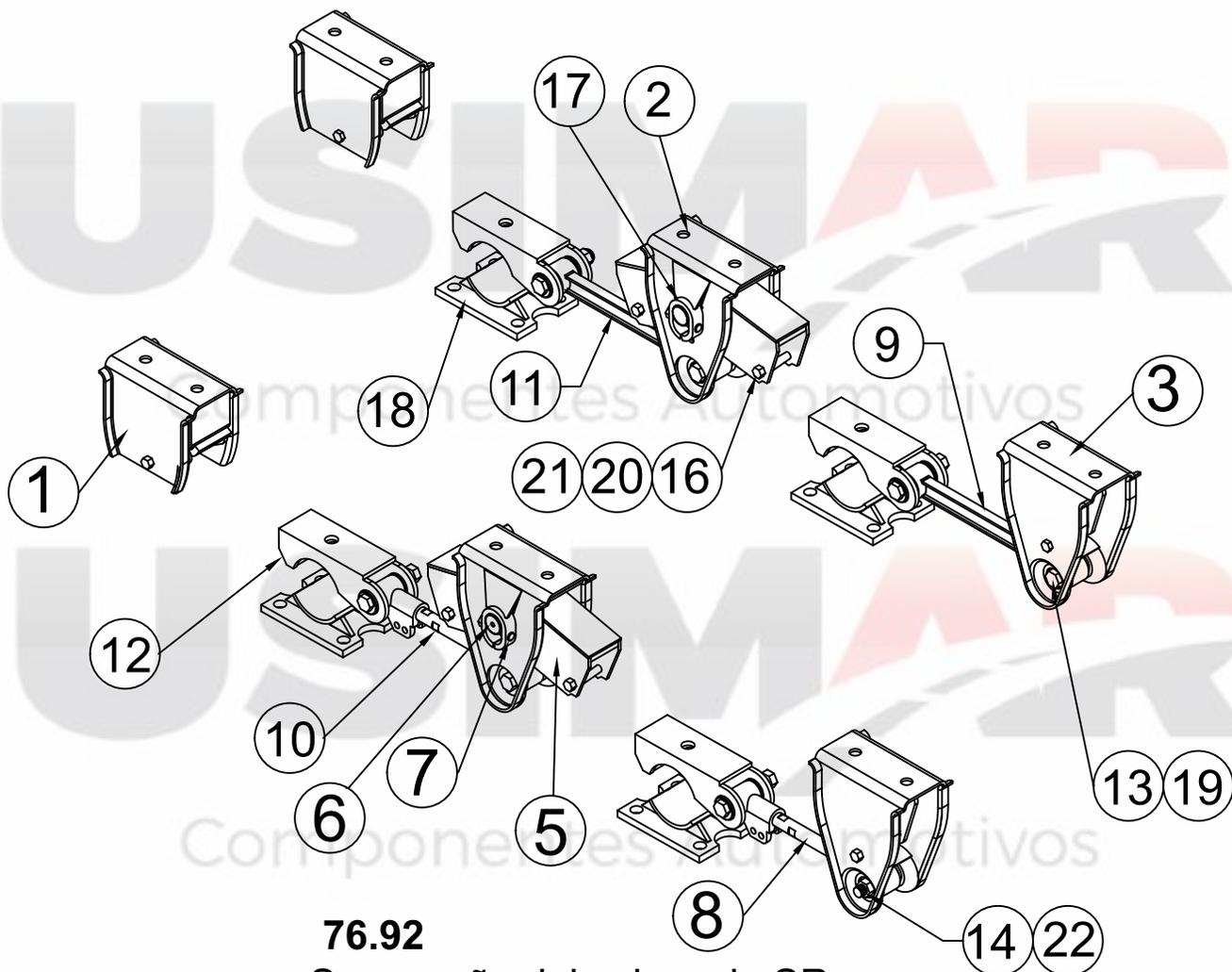


**76.91**

Suspensão três eixos do semi-reboque

N°	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	04	71.64	Suporte central
03	02	71.66	Suporte dianteiro
04	04	70.10	Balança
05	04	40.01	Pino da balança
06	08	41.18	Pino do mancal
07	03	60.29	Tensor regulável c/ 480mm
08	03	60.30	Tensor fixo c/ 480mm
09	01	60.31	Tensor regulável c/ 510mm
10	01	60.32	Tensor fixo c/ 510mm
11	01	62.65	Tensor regulável c/ 340mm
12	01	62.66	Tensor fixo c/ 340mm
13	06	82.16	Sapata Superior
14	12	41.16	Pino tensor
15	12	50.26	Porca do pino tensor
16	08		Parafuso 5/8" x 5"
17	08		Porca 5/8"
18	08	80.34	Mancal
19	06	82.19	Sapata Inferior
20	12	90.63	Bucha molecular 2000
22	08	82.04	Tubo
23	12	30.92	Arruela lisa

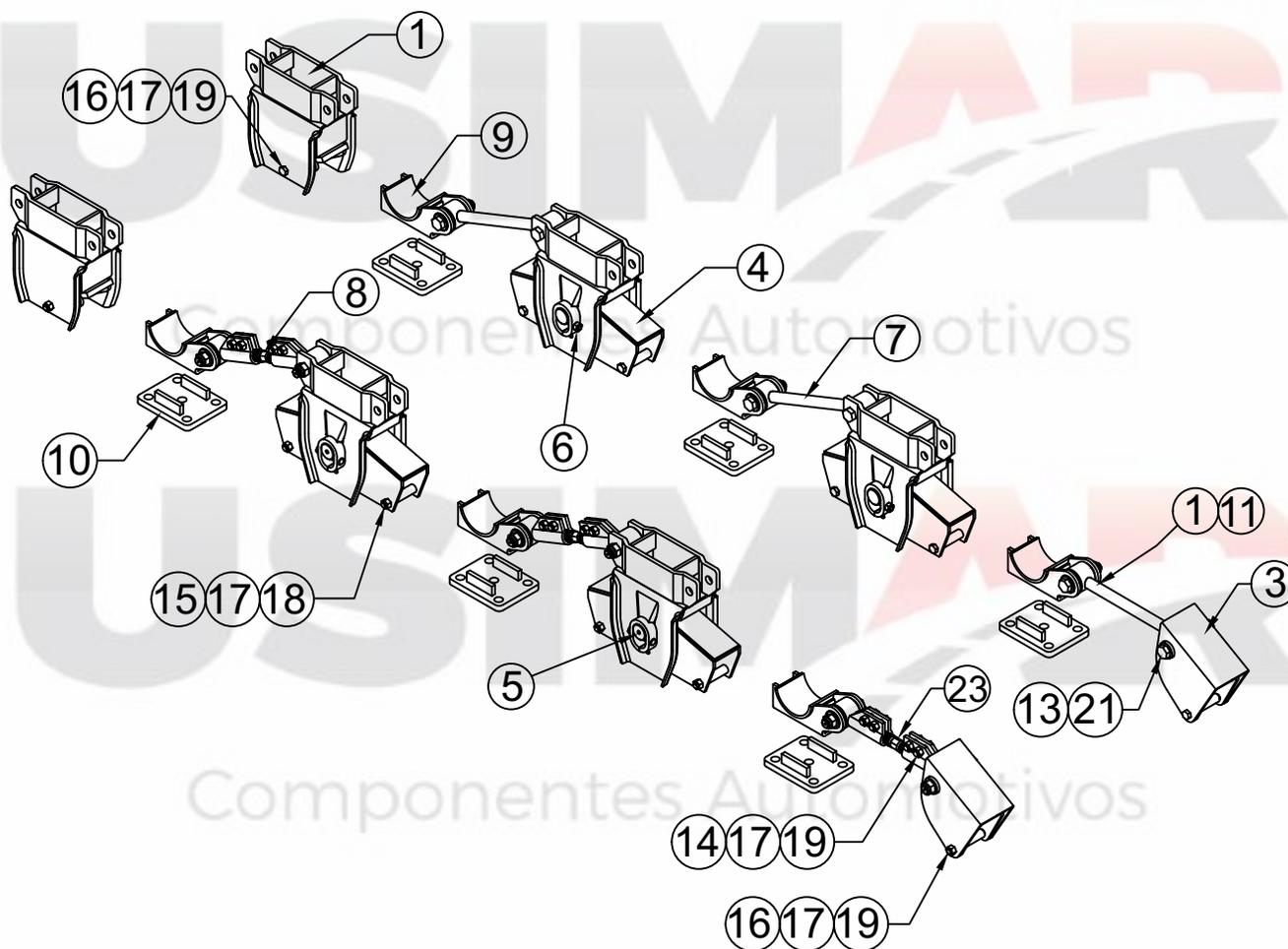
# RODOCLARA



**76.92**

Suspensão dois eixos do SR

N°	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	02	71.64	Suporte central
03	02	71.66	Suporte dianteiro
05	02	70.10	Balança
06	02	40.01	Pino da balança
07	04	41.18	Pino do mancal
08	01	60.29	Tensor regulável 480mm
09	01	60.30	Tensor fixo 480mm
10	01	60.31	Tensor regulável 510mm
11	01	60.32	Tensor fixo 510mm
12	04	82.16	Sapata Superior
13	08	41.16	Pino tensor
14	08	50.26	Porca do pino tensor
16	04		Porca 5/8"
17	04	80.34	Mancal
18	04	82.19	Sapata Inferior
19	08	90.63	Bucha molecular 2000
20	04	82.04	Tubo
21	04		Parafuso 5/8" X 5"
22	08	30.92	Arruela lisa



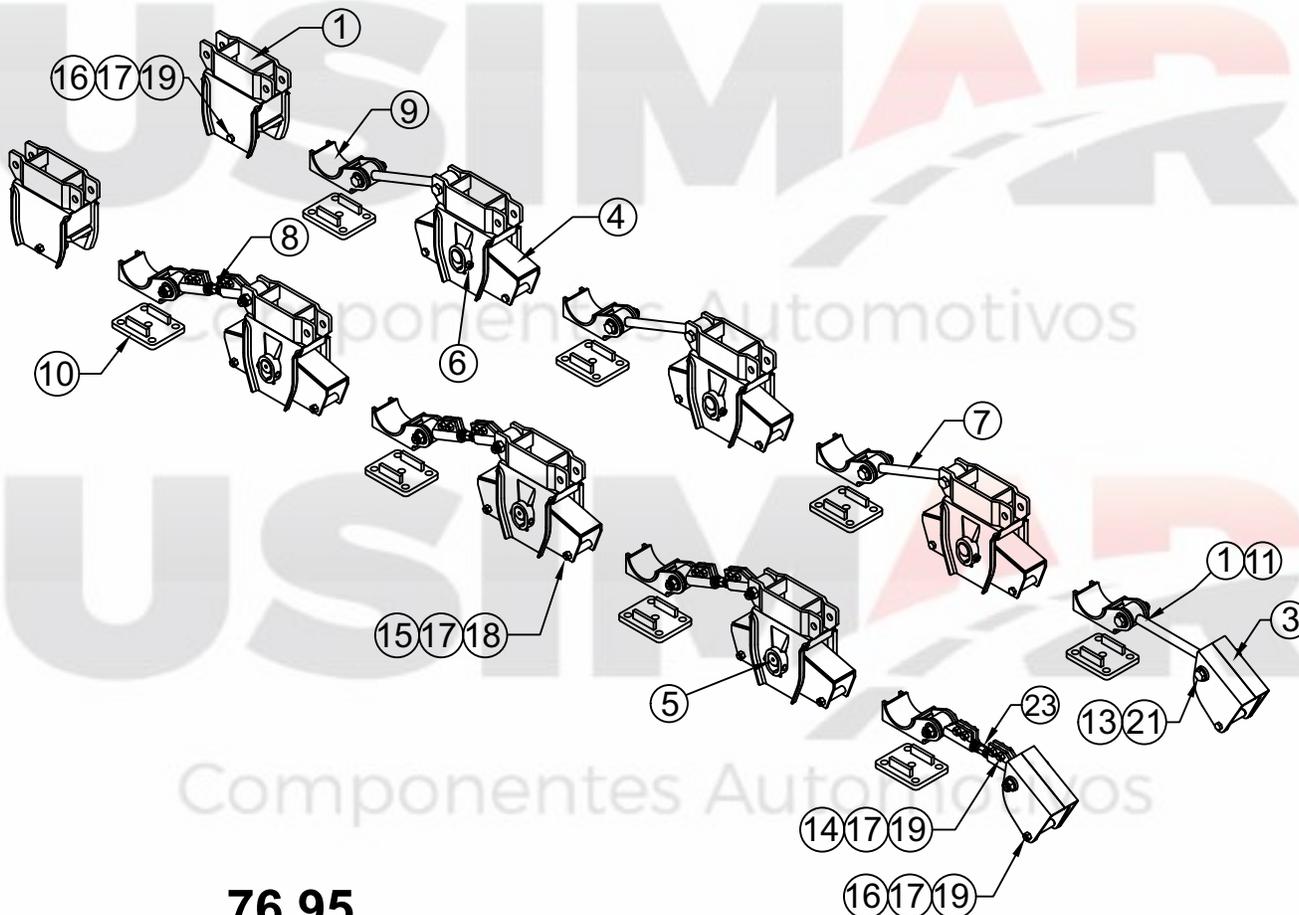
Suspensão Carrega - Suporte Dianteiro inclinado

**76.94 - 3 EIXOS**

**76.93 - 2 EIXOS**

Nº	Qtd.	Código	Denominação
01	02	72.33	Suporte Traseiro
02	04	72.34	Suporte Central
03	02	72.35	Suporte Dianteiro Inclinado
04	04	70.20	Balança
05	04	40.01	Pino da Balança
06	08	41.18	Contrapino do Mancal + porca 9/16"
07	02	62.61	Tensor Fixo 430mm
08	02	62.62	Tensor Regulável 430mm
09	06	81.05	Sapata Superior
10	06	83.46	Sapata Inferior c/ furo Ø26mm
11	12	90.63	Bucha Molecular
12	10	41.16	Parafuso do Tensor
13	12	50.26	Porca do Pino do Tensor AT
14	12		Parafuso 5/8" X 2" zincado
15	08		Parafuso 5/8" x 5" zincado
16	04		Parafuso 5/8" x 6" zincado
17	24		Porca 5/8" autotravante
18	08	82.04	Tubo Ø1" x 92mm
19	04		Tubo Ø1" x 97mm
21	02	41.52	Pino do tensor M24 x 2mm
22	01	62.63	Tensor fixo c/ 320mm
23	01	62.64	Tensor regulável c/ 320mm

Nº	Qtd.	Código	Denominação
01	02	72.33	Suporte Traseiro
02	02	72.34	Suporte Central
03	02	72.35	Suporte Dianteiro Inclinado
04	02	70.20	Balança
05	02	40.01	Pino da Balança
06	04	41.18	Contrapino do Mancal + porca 9/16"
07	01	62.61	Tensor Fixo 430mm
08	01	62.62	Tensor Regulável 430mm
09	04	81.05	Sapata Superior
10	04	83.46	Sapata Inferior c/ furo Ø26mm
11	08	90.63	Bucha Molecular
12	06	41.16	Parafuso do Tensor
13	08	50.26	Porca do Pino do Tensor AT
14	08		Parafuso 5/8" X 2" zincado
15	04		Parafuso 5/8" x 5" zincado
16	04		Parafuso 5/8" x 6" zincado
17	16		Porca 5/8" autotravante
18	04	82.04	Tubo Ø1" x 92mm
19	04		Tubo Ø1" x 97mm
21	02	41.52	Pino do tensor M24 x 2mm
22	01	62.63	Tensor fixo c/ 320mm
23	01	62.64	Tensor regulável c/ 320mm

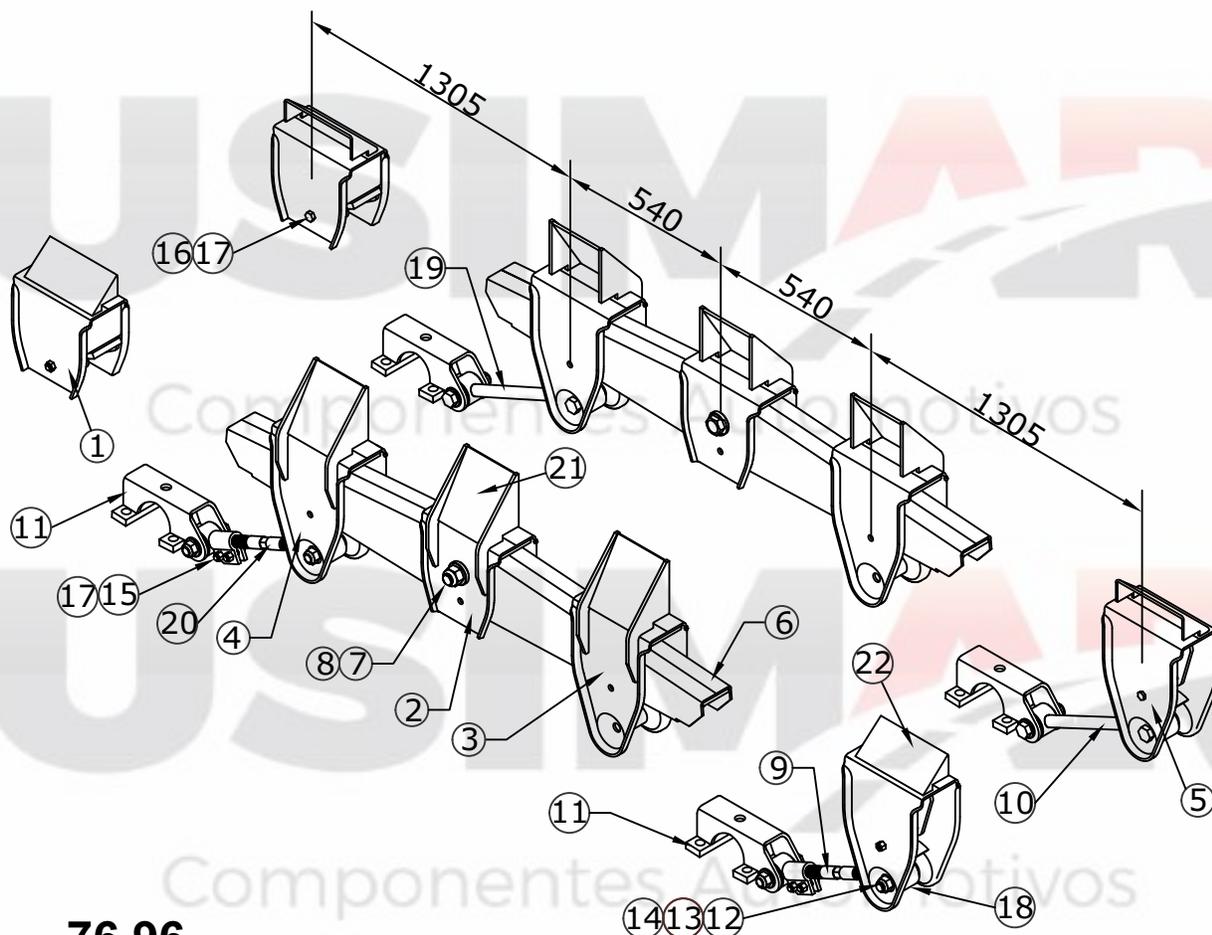


**76.95**

**Suspensão Carrega tudo 4 Eixos Suporte Dianteiro inclinado**

Nº	Qtd.	Código	Denominação
01	02	<b>72.33</b>	Suporte Traseiro
02	06	<b>72.34</b>	Suporte Central
03	02	<b>72.35</b>	Suporte Dianteiro Inclinado
04	06	<b>70.20</b>	Balança
05	06	<b>40.01</b>	Pino da Balança
06	12	<b>41.18</b>	Contrapino do Mancal + porca 9/16"
07	03	<b>62.61</b>	Tensor Fixo 430mm
08	03	<b>62.62</b>	Tensor Regulável 430mm
09	08	<b>81.05</b>	Sapata Superior
10	08	<b>83.46</b>	Sapata Inferior c/ furo Ø26mm
11	16	<b>90.63</b>	Bucha Molecular
12	14	<b>41.16</b>	Parafuso do Tensor
13	16	<b>50.26</b>	Porca do Pino do Tensor AT
14	16		Parafuso 5/8" X 2" zincado
15	12		Parafuso 5/8" x 5" zincado
16	04		Parafuso 5/8" x 6" zincado
17	32		Porca 5/8" autotravante
18	12	<b>82.04</b>	Tubo Ø1" x 92mm
19	04		Tubo Ø1" x 97mm
21	02	<b>41.52</b>	Pino do tensor M24 x 2mm
22	01	<b>62.63</b>	Tensor fixo c/ 320mm
23	01	<b>62.64</b>	Tensor regulável c/ 320mm

# RODOCLARA

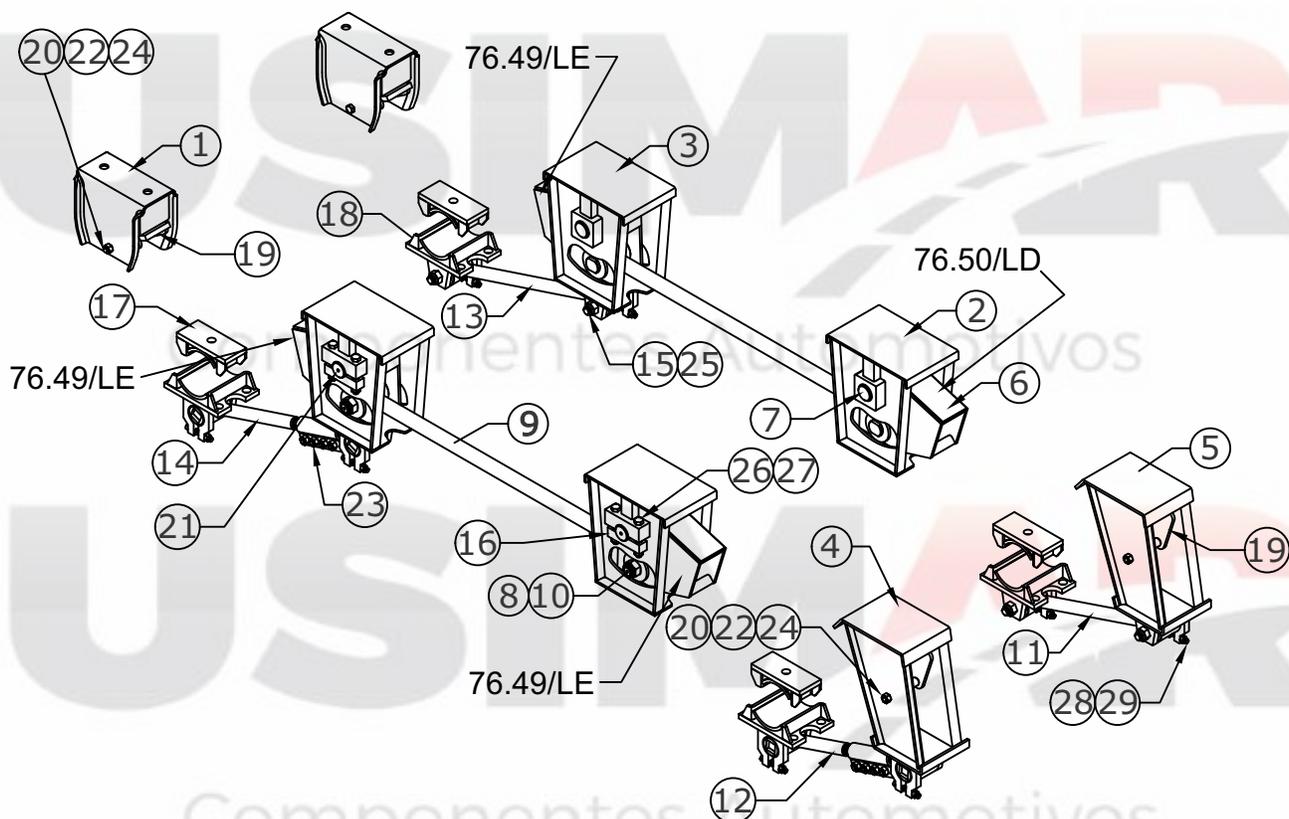


**76.96**

Suspensão distanciada 2 eixos (bucha silenciosa)SR

Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte traseiro
02	02	72.67	Suporte central
03	02	73.41	1º Suporte da balança
04	02	73.36	2º Suporte da balança
05	02	71.66	Suporte dianteiro
06	02	70.24	Balança distanciada
07	02	40.58	Pino da balança M30x190
08	02	50.30	Porca M30 autotravante
09	01	62.02	Tensor regulável c/ 420mm
10	01	62.37	Tensor fixo c/ 420mm
11	04	83.47	Sapata eixo redondo Ø130mm
12	08	41.16	Pino tensor
13	08	50.26	Porca do pino tensor
14	04	30.92	Arruela
15	08		Parafuso 5/8" x 2" zincado
16	04		Parafuso 5/8" x 6" zincado
17	08		Porca 5/8" autotravante
18	08	90.63	Bucha molecular 2000
19	01	62.68	Tensor fixo c/ 520mm
20	01	62.67	Tensor regulável c/ 520mm
21	06		Reforço suporte central, 1ª e 2ª balança
22	04		Reforço do suporte dianteiro e traseiro

# RODOCLARA

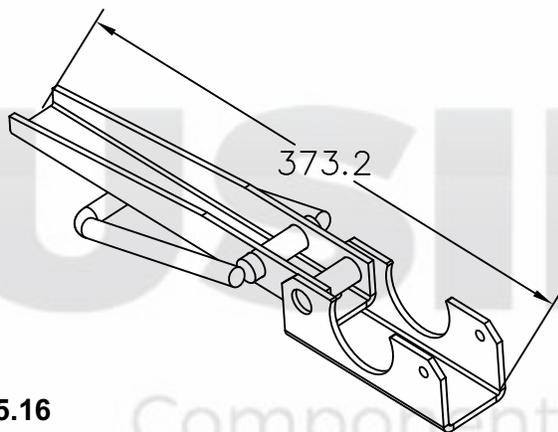


## 76.97

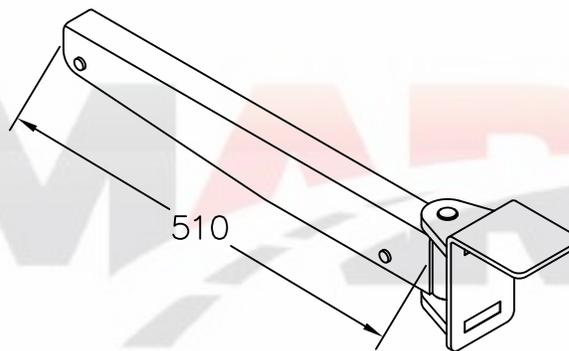
### Suspensão Distanciada 02 Eixos SR

Nº	Qtd.	Código	Denominação
01	02	71.62	Suporte Traseiro
02	02	76.98	Suporte Central Dianteiro s/ mancal pino Ø50
03	02	76.99	Suporte Central Traseiro c/ mancal pino Ø50
04	01	77.00	Suporte Dianteiro ESPECIAL
05	01	77.01	Suporte Dianteiro ESPECIAL
06	04	76.49/50	Balança pino Ø50mm
07	04	41.15	Pino da Balança Ø50
08	04	40.73	Pino do Tensor ESPECIAL
09	02	62.69	Tensor Fixo c/ 1.170mm
10	04	50.30	Porca Sextavada M30 autotravante
11	01	62.48	Tensor Fixo 580mm
12	01	62.52	Tensor Regulável 580mm
13	01	62.50	Tensor Fixo 680mm
14	01	62.54	Tensor Regulável 680mm
15	08	41.37	Pino do tensor rosca M24
16	04	83.14	Chaveta do Pino Balança
17	04	82.17	Sapata Superior eixo redondo
18	04	82.18	Sapata Inferior
19	04	80.01	Deslizante Móvel
20	04		Tubo Ø1" x 97mm
21	04		Graxeira reta 1/8" gas
22	04		Paraf. Sext. 5/8" x 6" Zincado
23	08		Paraf. Sext. 5/8" x 2" Zincado
24	12		Porca sext. 5/8" Autotravante
25	08	50.26	Porca Autotravante
26	08		Paraf. Sext. M16 x 120 8.8
27	08		Porca sext M16 amassada Zincado
28	08		Paraf. Sext. 1/2" x 3.1/2" zincado
29	08		Porca sext. 1/2" zincado

# MORUMBI

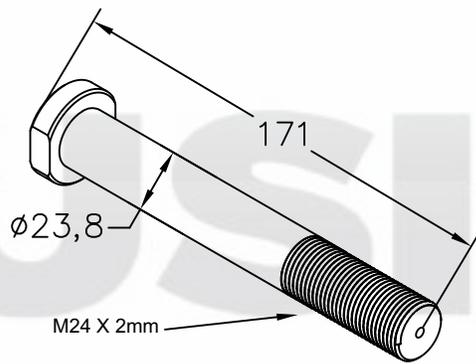


**25.16**  
Dobradiça da carroceria

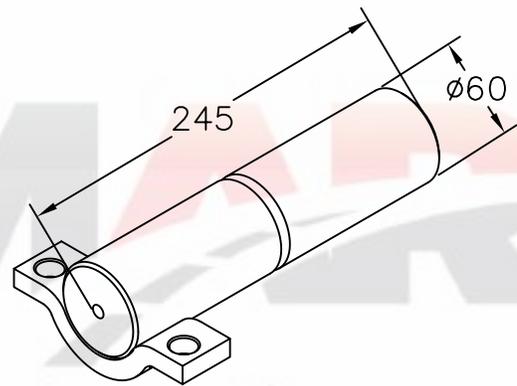


**25.64**  
Suporte do estepe do SR basculante

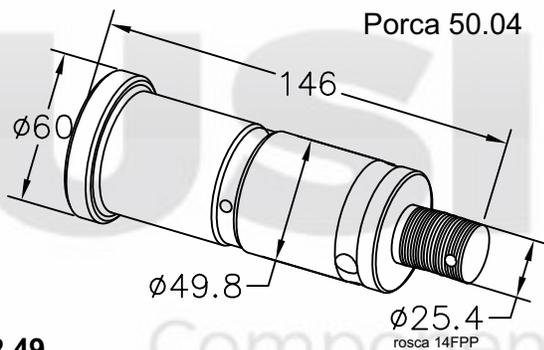




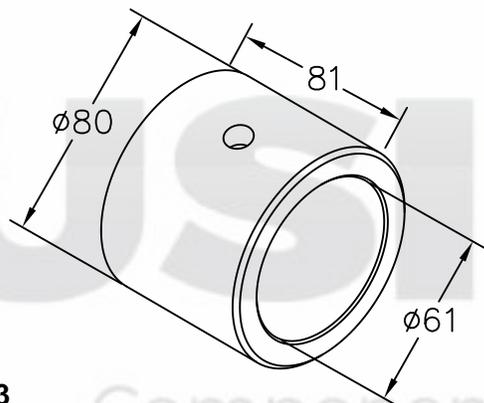
**41.58**  
Pino do suporte dianteiro inclinado  
carrega tudo



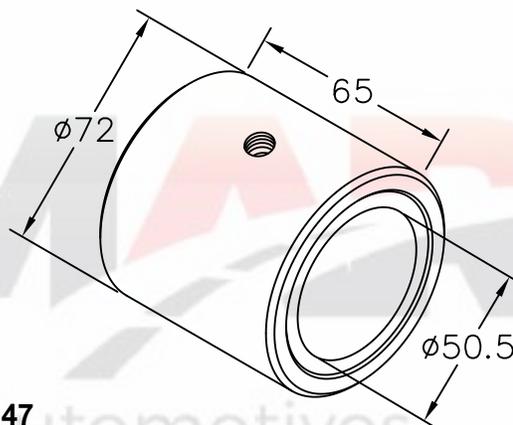
**41.88**  
Pino c/ mancal da balança do SR Vanderléia NK



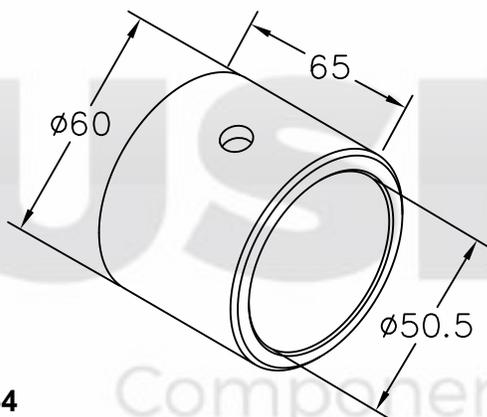
**42.49**  
Pino da basculante com rosca



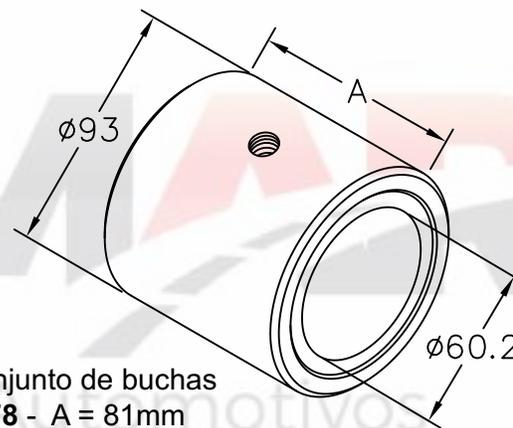
**50.43**  
Bucha para ponteira do tensor



**50.47**  
Conjunto buchas do pino basculante

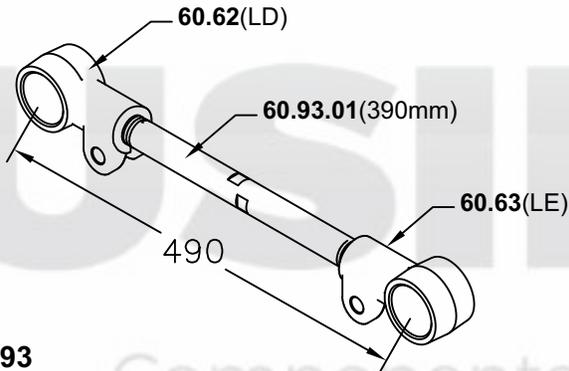


**50.54**  
Bucha interna do pino da basculante

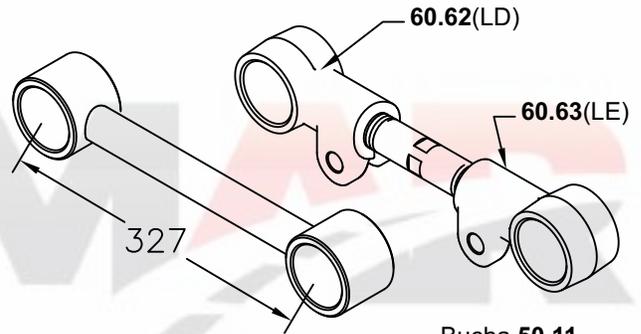


Conjunto de buchas  
**50.78** - A = 81mm  
**51.21** - A = 110mm

# MORUMBI

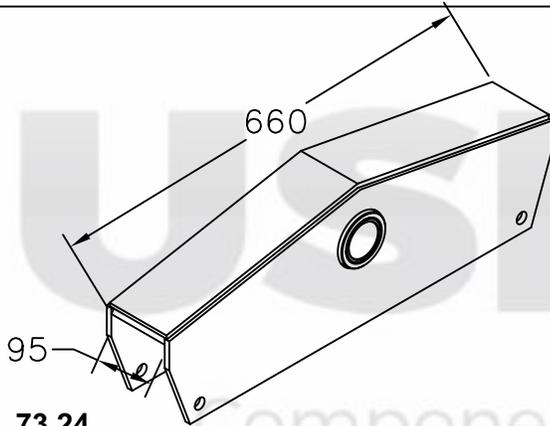


**60.93**  
Tensor regulável do SR carrega tudo

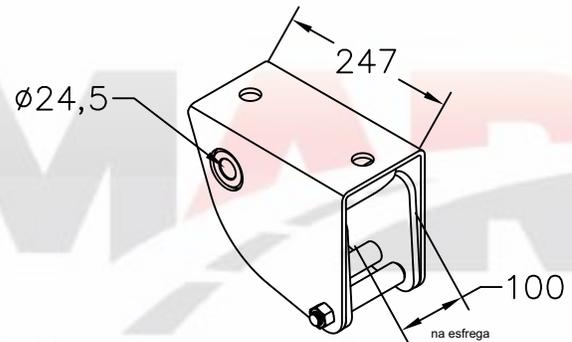


Tensor do SR carrega tudo  
**60.95** - Fixo  
**60.94** - Regulável

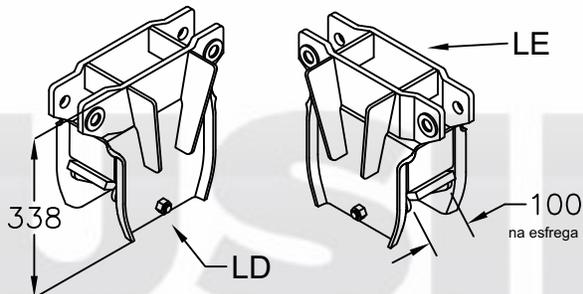
Bucha 50.11



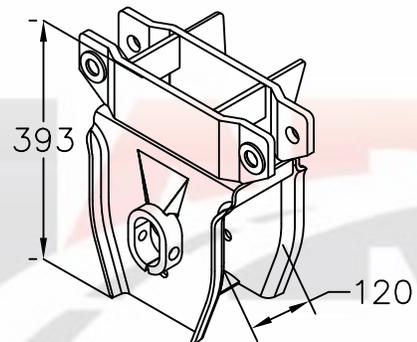
**73.24**  
Balança do SR carrega tudo p/ pino Ø50mm



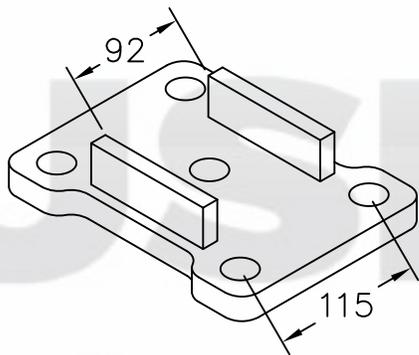
**74.55**  
Suporte dianteiro inclinado carrega tudo morumbi



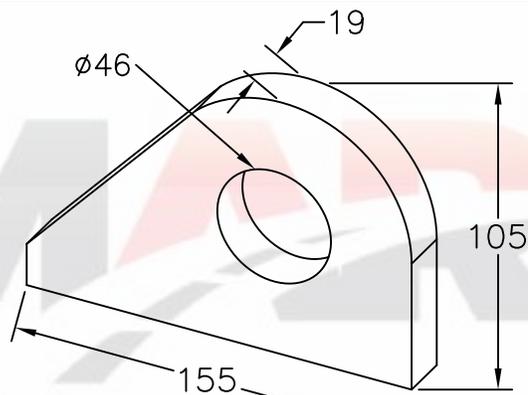
Suporte traseiro do SR carrega tudo morumbi  
c/ esfrega móvel  
**73.62** - LD  
**73.63** - LE



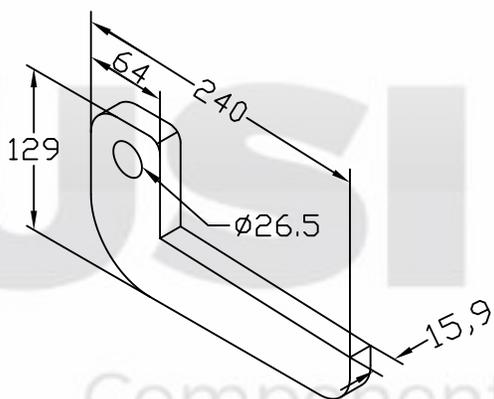
**73.64**  
Suporte central do SR carrega tudo morumbi  
p/ pino 50mm



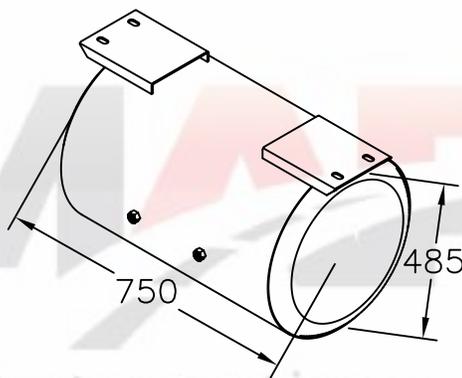
**81.96**  
Sapata inferior p/ grampo 140mm carrega tudo



**82.61**  
Mancal do pino da basculante



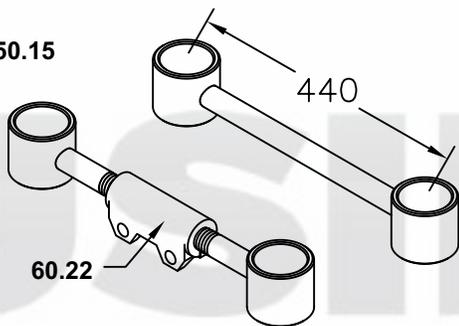
**83.25**  
Articulação da tampa para basculante



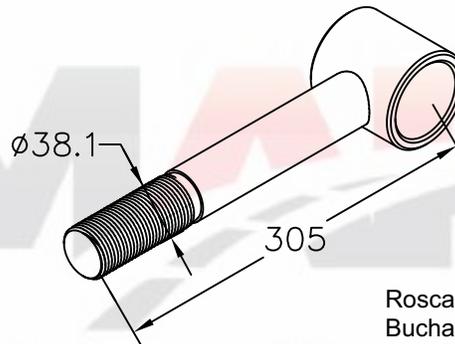
**91.94**  
Reservatório de ar 117 litros sistema ABS

# ROSSETTI

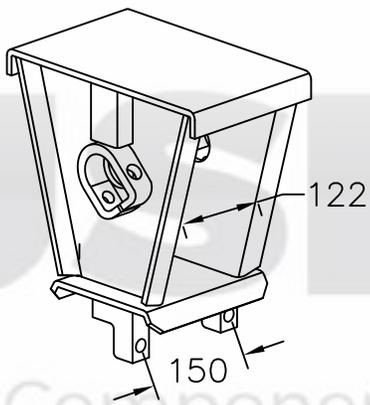
Bucha 50.15



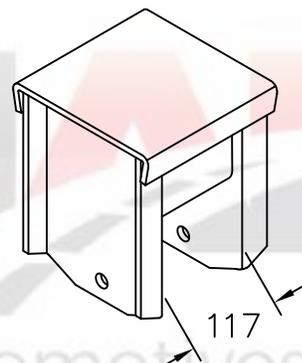
Tensor para bucha molecular do SR  
**60.35** - Regulável  
**60.36** - Fixo



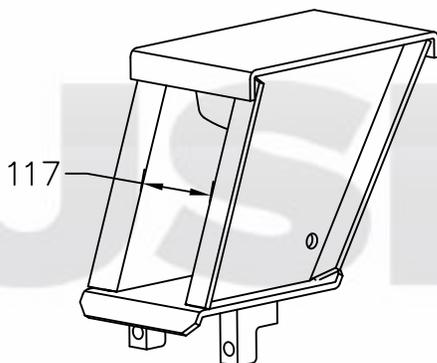
**61.02**  
 Ponteira do tensor Nakata RD



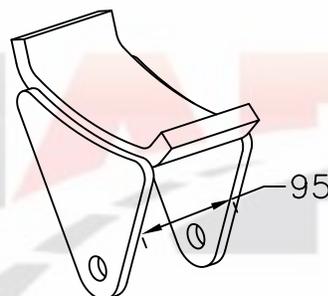
**74.74**  
 Suporte central do SR p/ pino 50mm



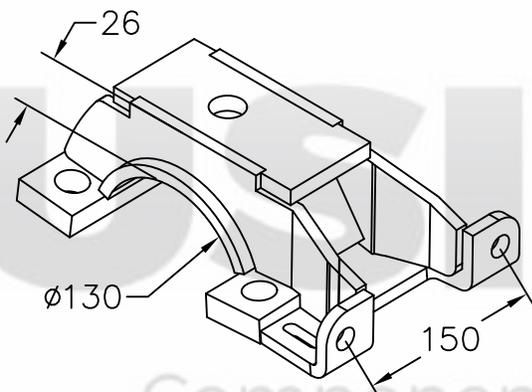
**76.52**  
 Suporte traseiro do SR



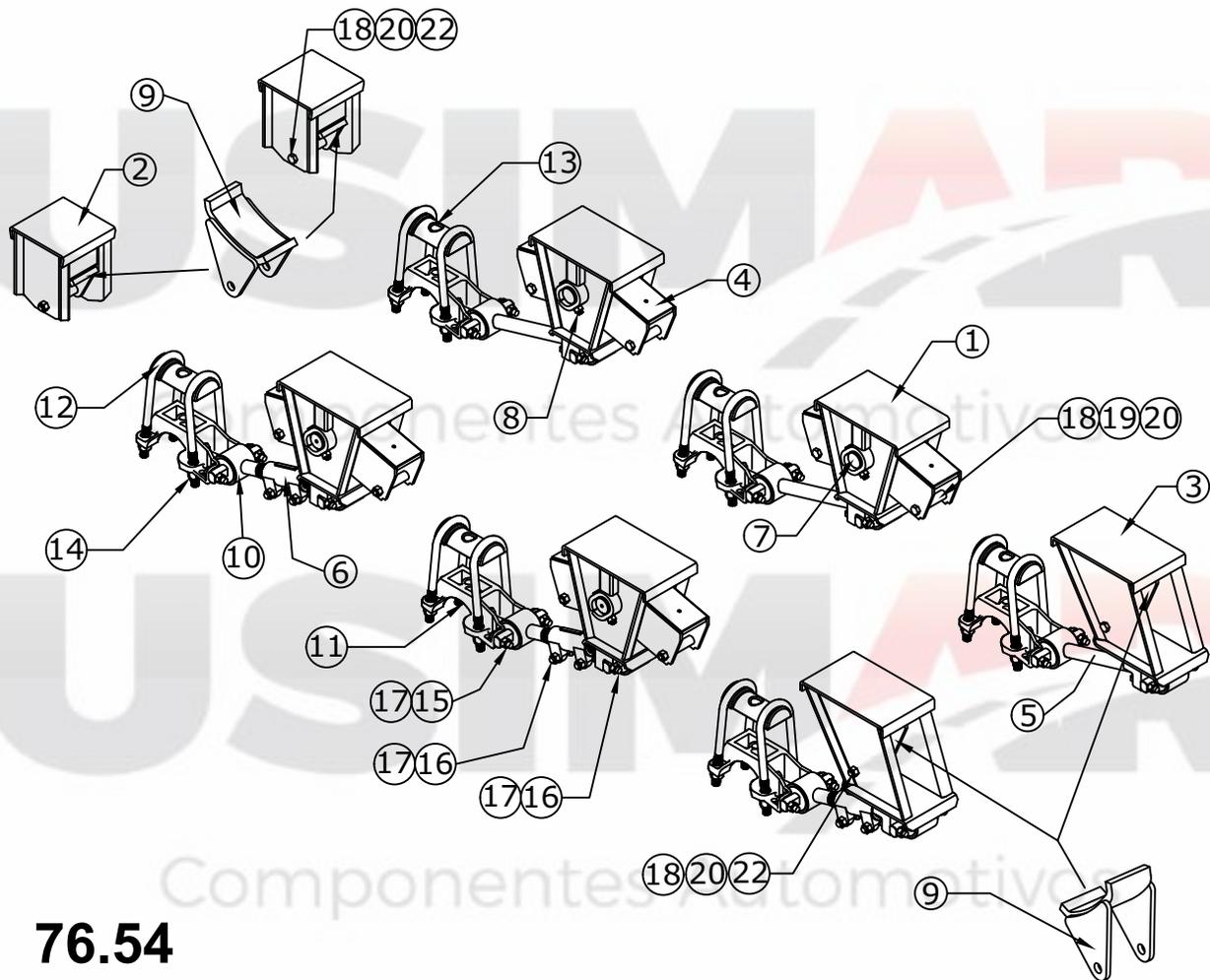
**76.53**  
 Suporte dianteiro do SR



**81.13**  
 Deslizante da esfrega do suporte tras/diant do SR



**83.35**  
 Sapata superior do SR p/ eixo redondo

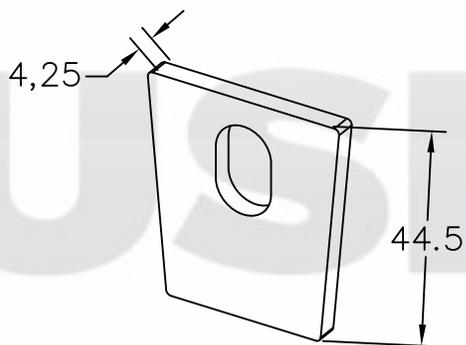


## 76.54

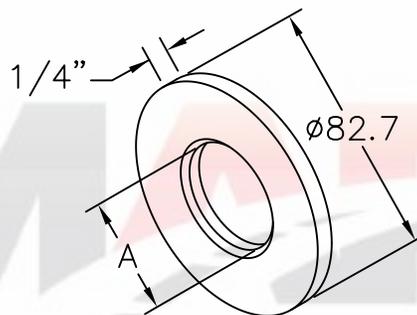
### Suspensão 3 eixos modelo Rossetti

N°	Qtd.	Código	Denominação
01	04	74.74	Suporte Central
02	02	76.52	Suporte Traseiro
03	02	76.53	Suporte Dianteiro
04	04	70.10	Balança para pino Ø50mm
05	03	60.36	Tensor fixo 440mm
06	03	60.35	Tensor Regulável 440mm
07	04	40.17	Pino da Balança Ø50mm
08	08	41.18	Contra Pino c/ porca
09	04	81.13	Deslizante da Esfrega
10	12	90.11	Bucha Estabilizadora Nakata
11	06	83.35	Sapata Fundida Modelo Guerra
12	12		Grampo Ø7/8" x 92 x 320 tipo "C"
13	06	82.72	Separador de Grampo Redondo
14	24	50.05	Porca 7/8" dupla do Grampo
15	12		Parafuso Sextavado M16 x 60 classe 8.8
16	18		Parafuso Sextavado M16 x 80 classe 8.8
17	30		Porca de torque M16
18	12	82.04	Tubo
19	08		Parafuso 5/8" x 5"
20	12		Porca 5/8" Baixa Autotravante
22	04		Parafuso 5/8" x 6"
23	16		Graxeira reta 1/8"

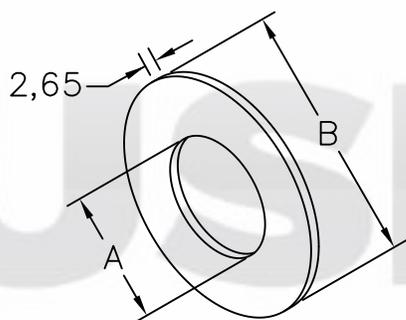
# MERCEDES-BENZ



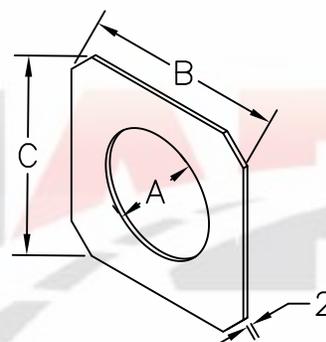
**10.75**  
Trava do pino do patim



Arruela para pino da suspensão MB 2013  
**30.38** - A = Ø38mm  
**30.39** - A = Ø32,7mm

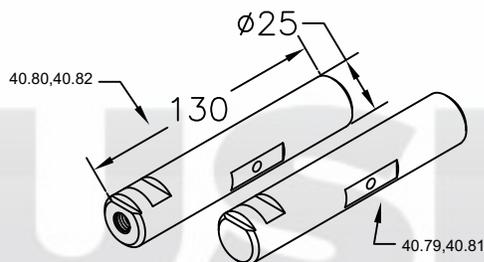


Arruela para pino do olhal da mola MB 1113  
**30.40** - Traseira A = Ø33mm B = Ø65mm  
**30.41** - Dianteira A = Ø27mm B = Ø52mm

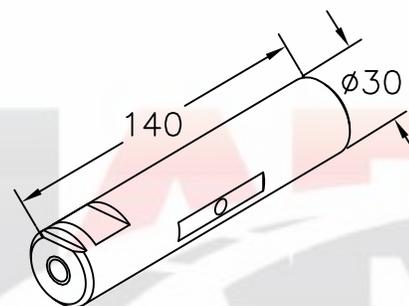


Arruela do suporte central do TE Atego 2425KLL  
**30.42** - A = Ø51mm B = 85mm C = 85mm  
**30.43** - A = Ø59mm B = 93mm C = 93mm

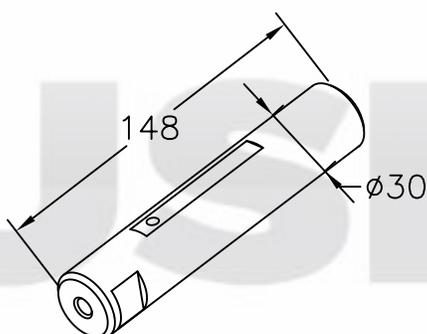
# MERCEDES-BENZ



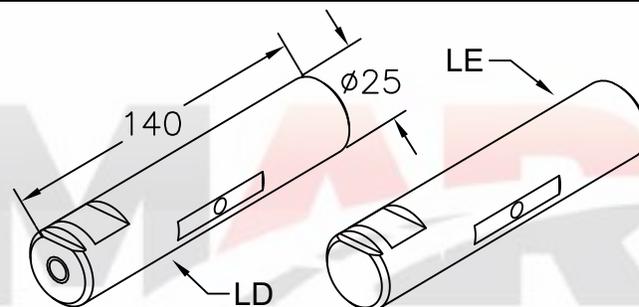
Pino para suporte de mola do eixo dianteiro  
MB 1113 ao 2213  
**40.80** - cementado  
**40.82** - comum  
**40.79** - cementado (trava oposta)  
**40.81** - comum (trava oposta)



Pino para suporte de mola  
traseiro do MB 1113 ao 2213  
**40.83** - cementado  
**40.84** - comum

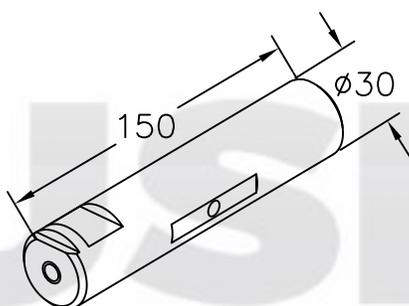


**40.86**  
Pino de mola traseira parte traseira MB 1924 a  
1945

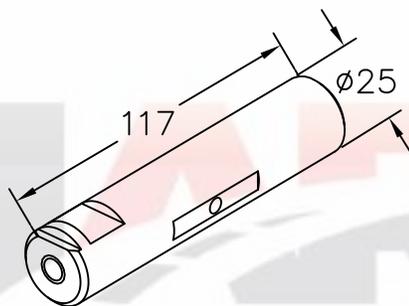


Pino do olhal da mola dianteiro do 1620 ao 1945

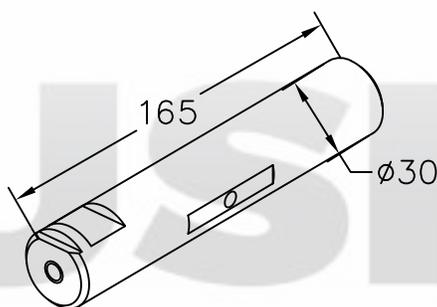
LADO DIREITO	LADO ESQUERDO
<b>40.87</b> - Cementado	<b>40.88</b> - Cementado
<b>41.99</b> - Comum	<b>42.46</b> - Comum



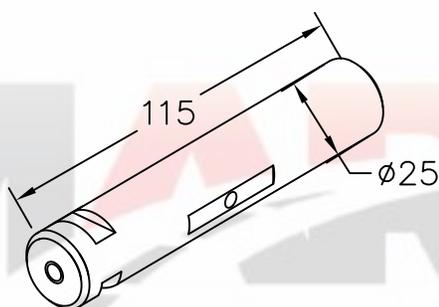
Pino do olhal da mola traseira do 1620 ao 1945  
**42.00** - cementado  
**42.01** - comum



Pino do olhal da mola traseira do MB 608  
**42.04** - cementado  
**42.05** - comum

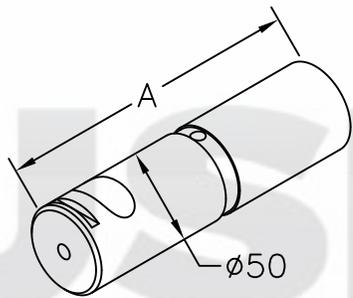


Pino do olhal da mola traseira parte dianteira  
**42.19** - cementado  
**42.20** - comum



Pino do olhal da mola dianteira MB 1111  
**42.61** - cementado  
**42.62** - comum

# MERCEDES-BENZ

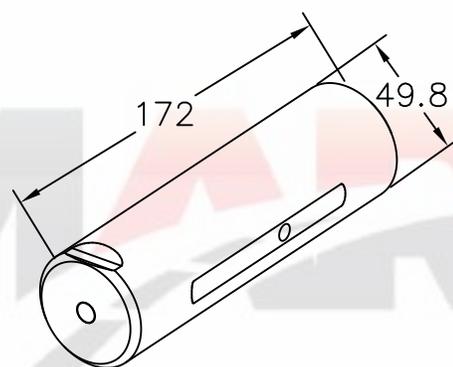


Pino da Balança do TE modelo Suspensys

**40.89** - A = 180mm

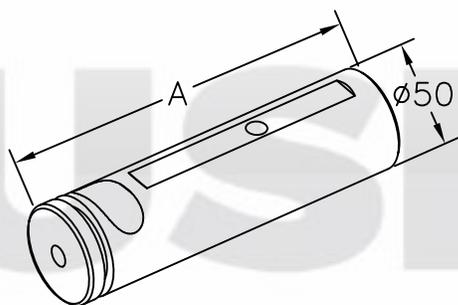
**40.90** - A = 165mm

**40.91** - A = 170mm



**40.92**

Pino da balança do TE Atego 2425 KLL p/ pino 50mm



Pino p/ balança do TE

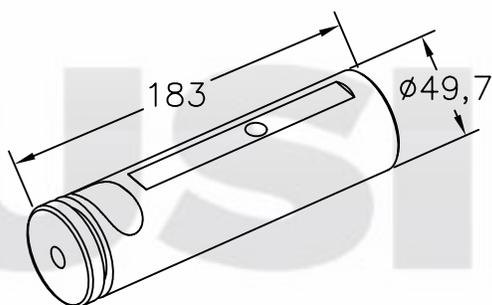
**40.93** - A = 200mm (LS MB1941/1944)

**40.94** - A = 179mm (Atego 2425)



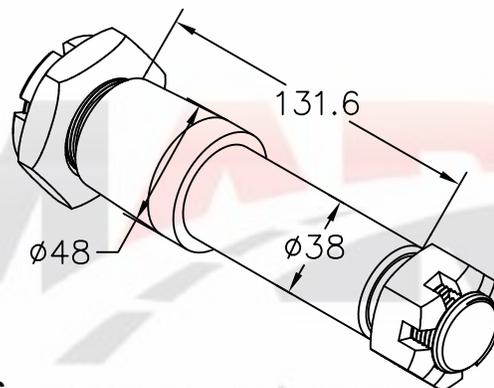
**40.95**

Pino cônico MB



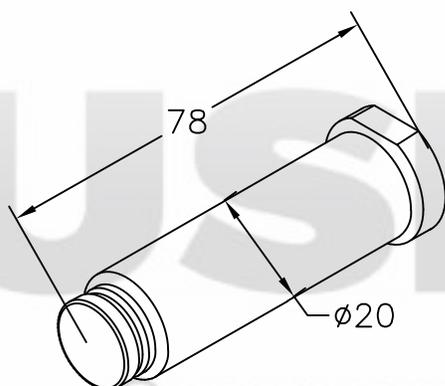
**41.95**

Pino da balança do TE Atego 2017



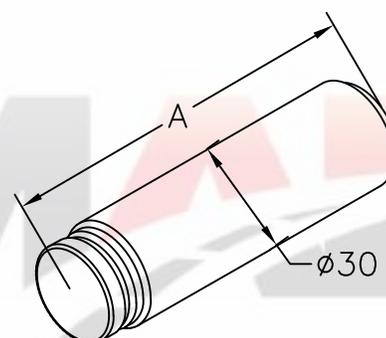
**41.96**

Pino da suspensão MB 2013 6x4 sem as porcas



**42.43**

Freio do rolete patim freio a ar

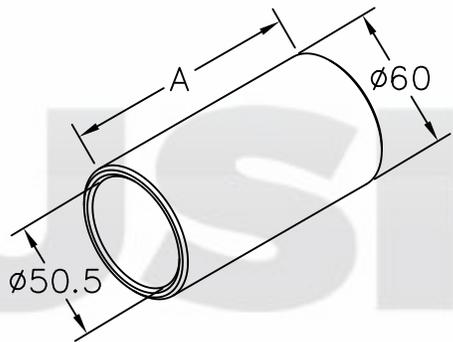


Pino do patim do freio

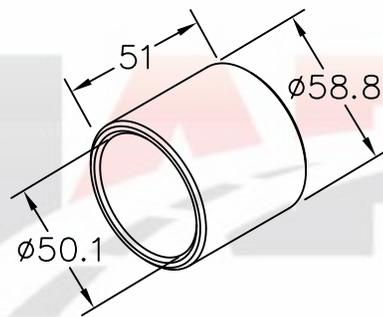
**42.44** - A = 94mm(antigo)

**42.45** - A = 102mm(moderno)

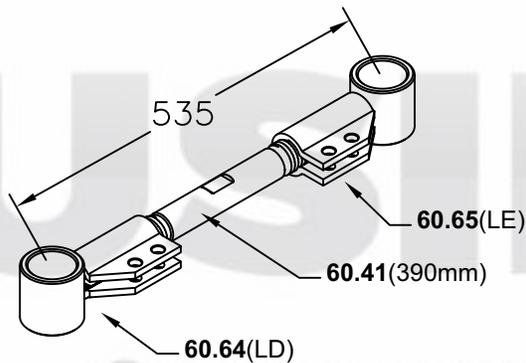
# MERCEDES-BENZ



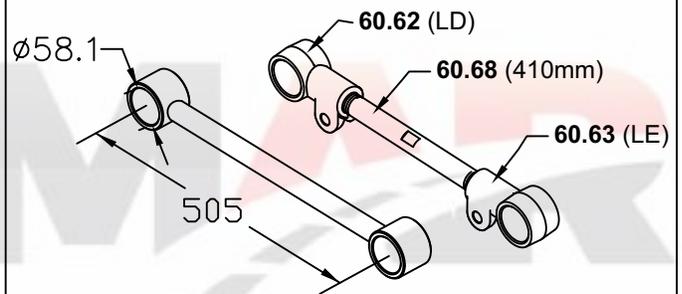
Bucha interna para balança do TE  
**50.22** - A = 114mm (MB 1620)  
**51.12** - A = 107,5mm (Atego 2017)



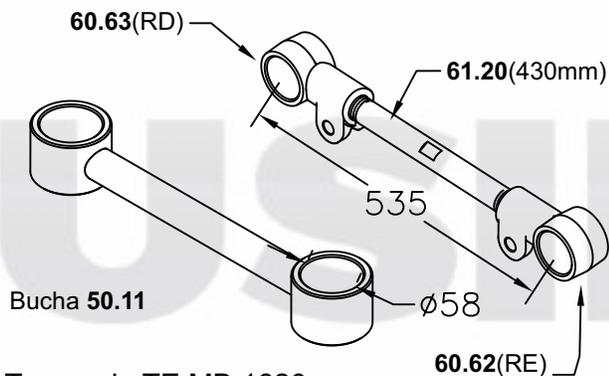
**50.23**  
 Bucha interna para balança



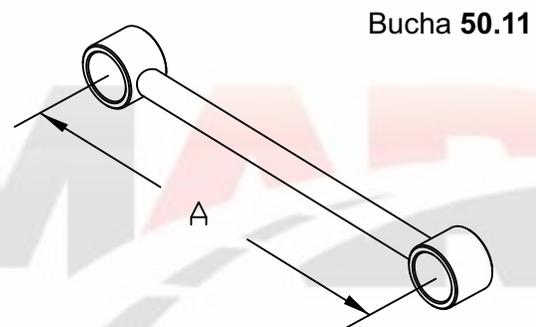
**60.33**  
 Tensor regulável do MB 1620 especial em chapa



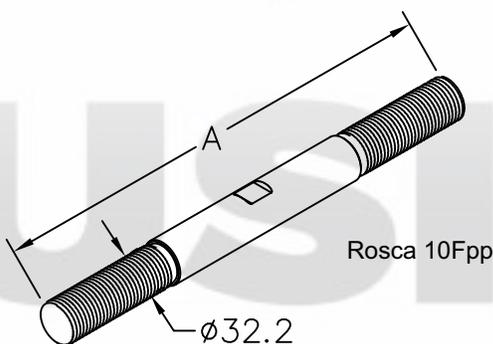
Tensor do TE MB 2425  
**60.58** - Regulável  
**60.59** - Fixo



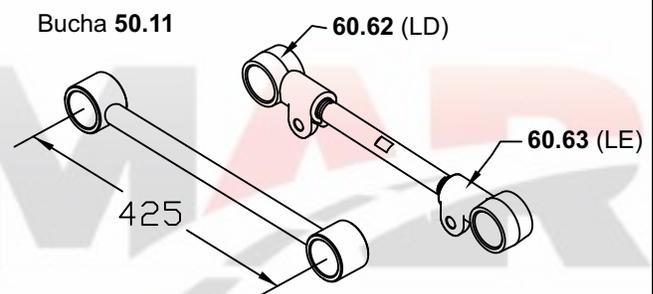
Tensor do TE MB 1620  
**61.19** - Regulável  
**60.34** - Fixo



Tensor fixo do TE  
**61.56** - A = 550mm  
**61.57** - A = 570mm

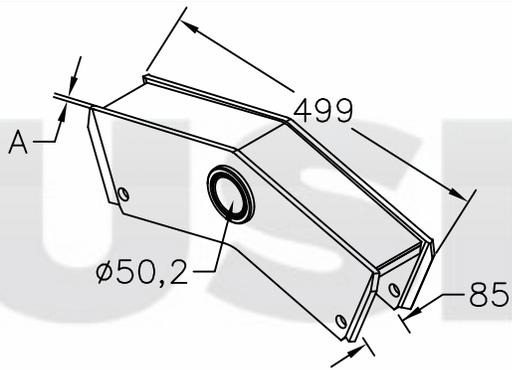


Fuso do tensor MB Atego 2425KLL  
**61.71** - A = 480mm  
**61.72** - A = 440mm

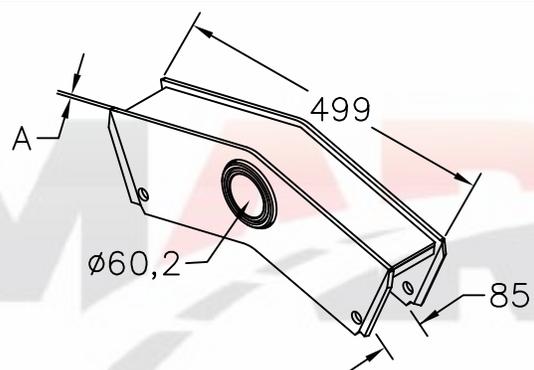


Tensor do TE suspensão 3/4"  
**61.59** - Regulável  
**61.58** - Fixo

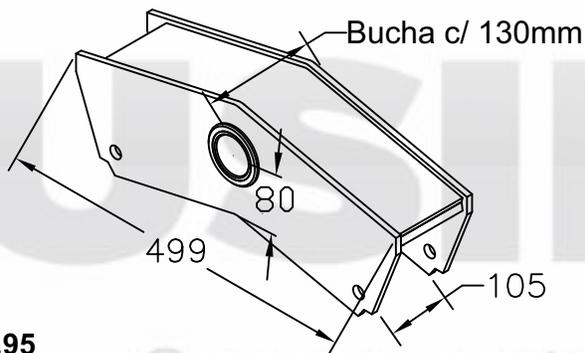
# MERCEDES-BENZ



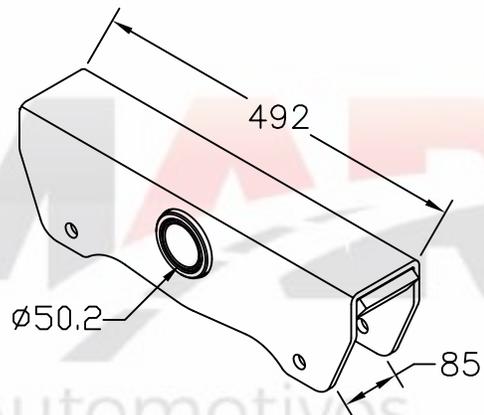
Balança do TE MB 1620 p/ pino Ø50mm  
**70.93** - A = 5/16"  
**70.92** - A = 3/8"



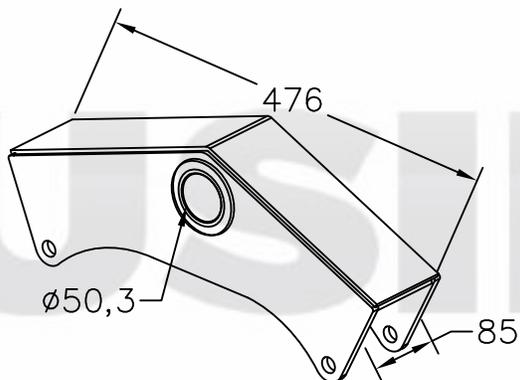
Balança do TE para pino Ø 60mm  
**70.94** - A = 5/16"  
**73.60** - A = 3/8"



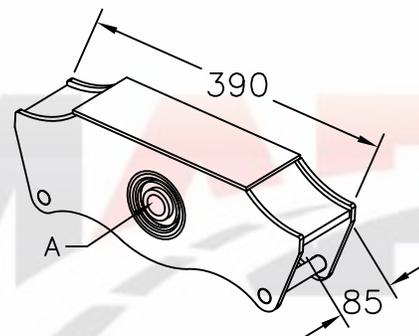
**70.95**  
 Balança do TE LS MB 1941/1944 Suspensys  
 pino Ø 50 mm



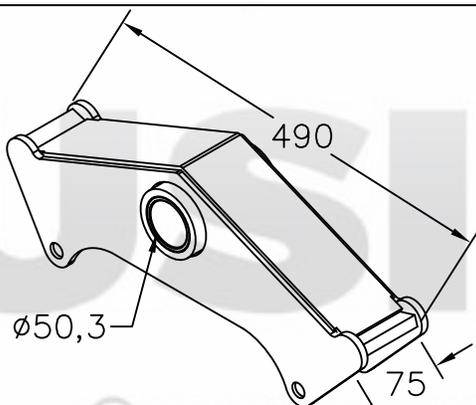
**70.96**  
 Balança do TE Atego 2425



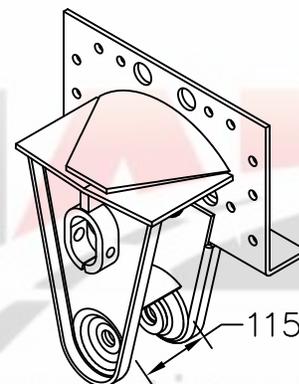
**73.86**  
 Balança do TE Atego 2430(2017) p/ pino Ø50mm



Balança do TE 3/4  
**74.19** - A = Ø25mm (para parafuso M24)  
**76.55** - A = Ø30,1mm ( para parafuso M30)

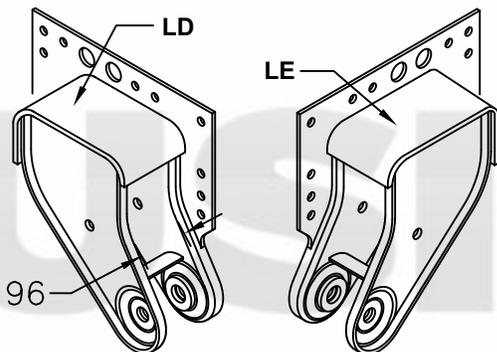


**77.48**  
 Balança Ø50mm mola 70mm MB Atego

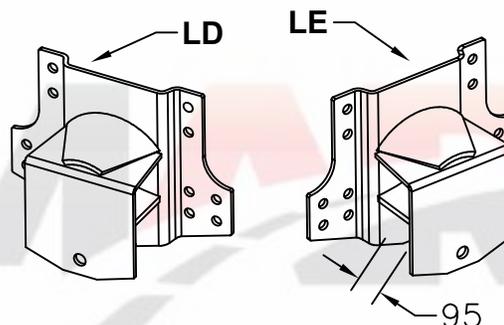


**71.57**  
 Suporte central pino Ø50mm do TE MB 1620  
 Suspensys

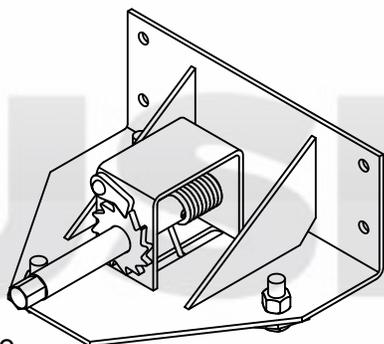
# MERCEDES-BENZ



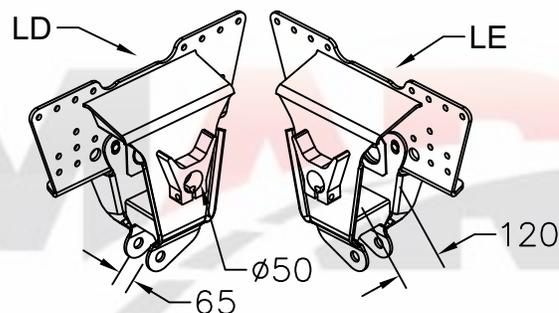
Suporte dianteiro do TE MB 1620 Suspensys  
**71.58 - LD**  
**71.59 - LE**



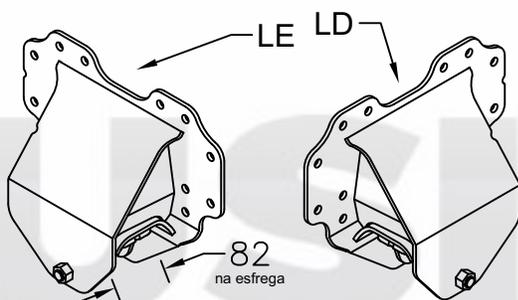
Suporte traseiro do TE MB 1620 Suspensys  
**71.60 - LE**  
**71.61 - LD**



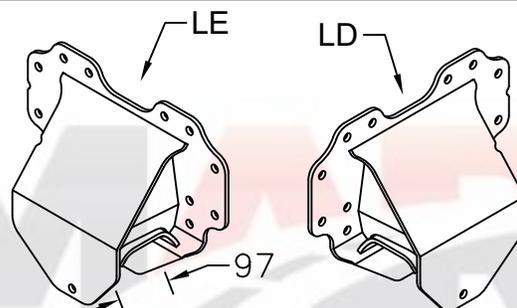
Porta estepe  
**72.69 - 608 / 709 / 912**  
**72.70 - MB1113 Ø275mm (entre furos da roda)**  
**72.71- Ø335mm (entre furos de roda)**



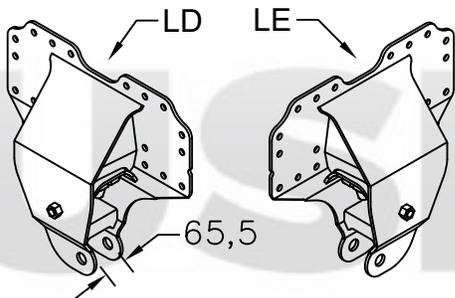
Suporte central do TE Atego KLL 2425  
**72.79 - LD**  
**72.80 - LE**



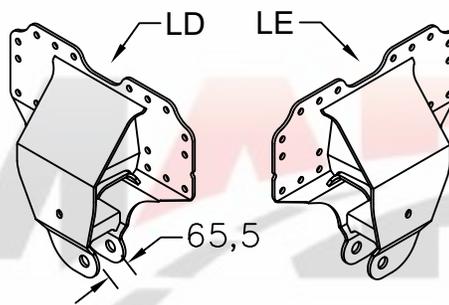
Suporte traseiro do TE Atego KLL 2425  
 c/ esfrega  
**73.06 - LD**  
**73.07 - LE**



Suporte traseiro do TE Atego KLL 2425  
 s/ esfrega  
**73.08 - LD**  
**73.09 - LE**

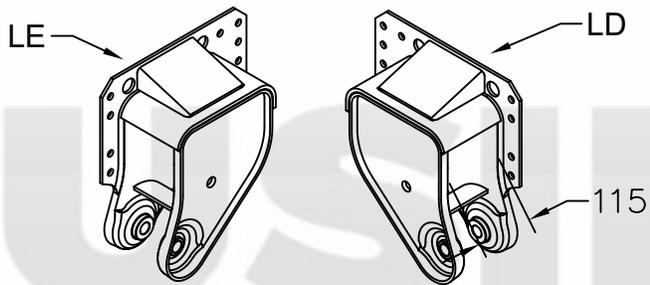


Suporte dianteiro do TE Atego KLL 2425  
 c/ esfrega  
**73.40 - LD**  
**73.39 - LE**

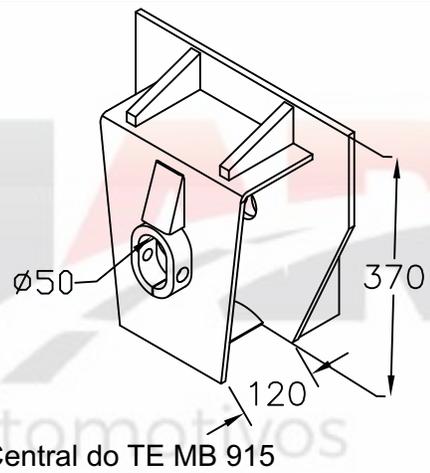


Suporte dianteiro do TE Atego KLL 2425  
 s/ esfrega  
**74.12 - LD**  
**74.13 - LE**

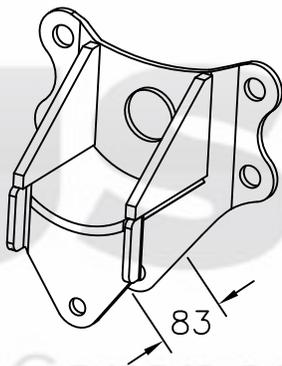
# MERCEDES-BENZ



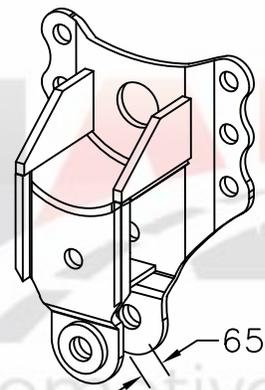
Suporte dianteiro do TE Suspensys MB  
1938/1944 mola 100mm  
**73.53 - LE**  
**73.52 - LD**



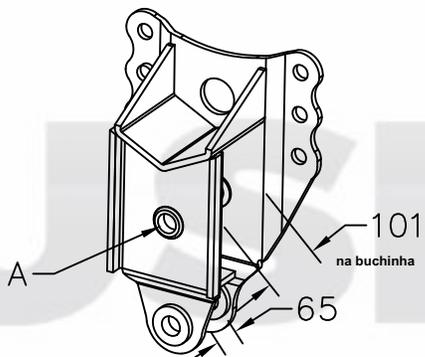
**73.98**  
Suporte Central do TE MB 915



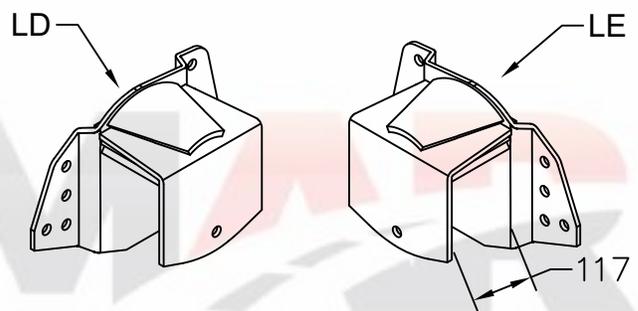
**74.20**  
Suporte traseiro do TE em 3/4



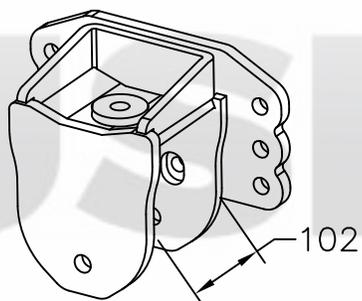
**74.21**  
Suporte dianteiro do TE em 3/4



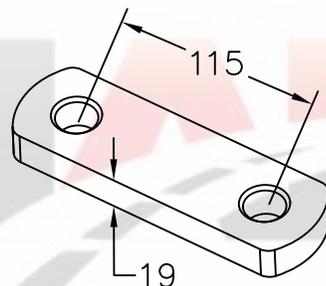
Suporte central do TE suspensão 3/4  
**74.22 - A = Ø25mm (para parafuso M24)**  
**76.56 - A = Ø30,1mm ( para parafuso M30)**



Suporte traseiro do TE MB 1938 suspensys mola  
de 100mm  
**74.35 - LE**  
**74.36 - LD**

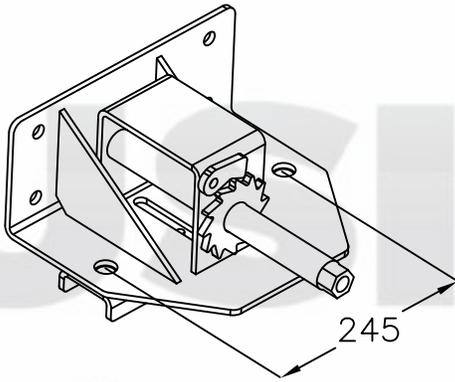


**74.50**  
Suporte traseiro do TE Atego 3030 modelo 2017

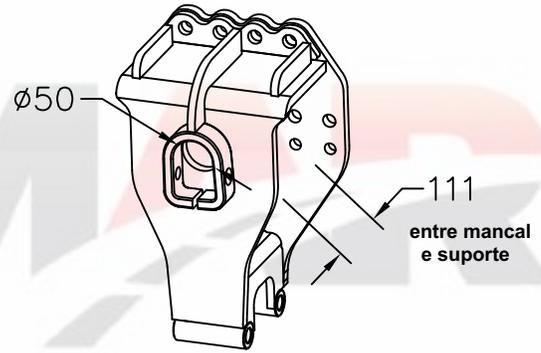


**74.75**  
Jumelo de mola do MB Atego

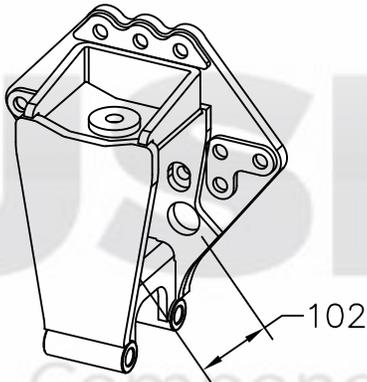
# MERCEDES-BENZ



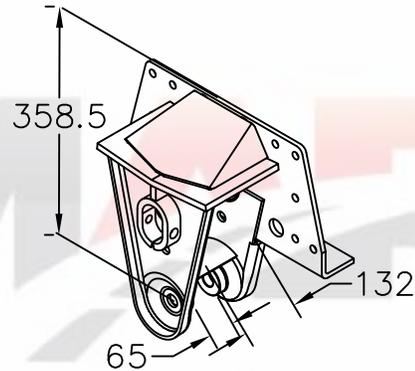
**74.94**  
Porta estepe MB Accelo 245mm



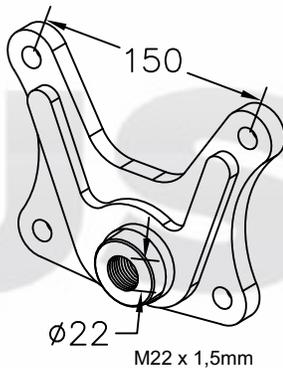
**75.00**  
Suporte central do TE Atego 3030 modelo 2017



**75.01**  
Suporte dianteiro do TE Atego 3030 modelo 2017

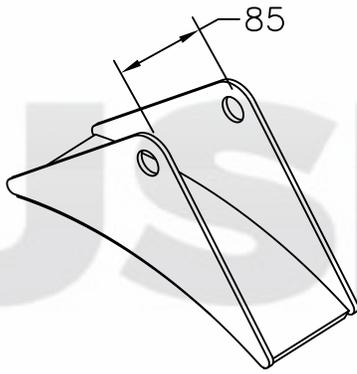


**75.04**  
Suporte central pino  $\varnothing 50$ mm do TE MB  
1938/1944 Suspensys mola 100mm



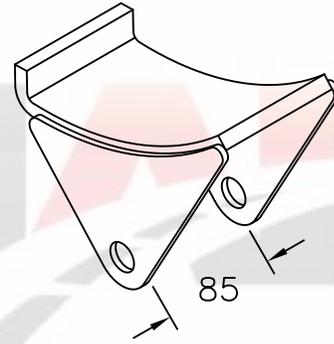
**75.66**  
Suporte dianteiro do amortecedor Atego

# MERCEDES-BENZ



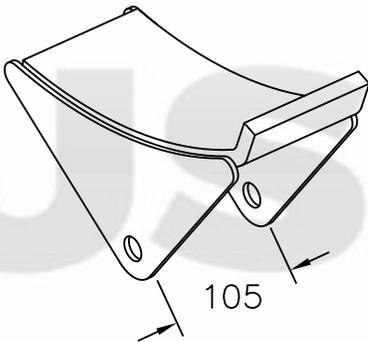
**80.17**

Esfrega móvel para suporte dianteiro do TE MB 1620



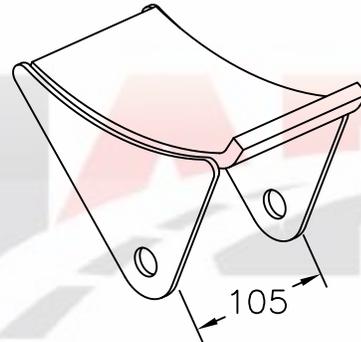
**80.18**

Esfrega móvel do suporte traseiro do TE MB 1620



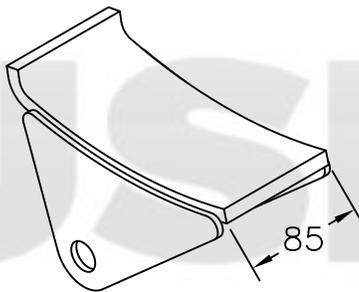
**80.19**

Esfrega Móvel dianteira TE LS para MB 1938/1944



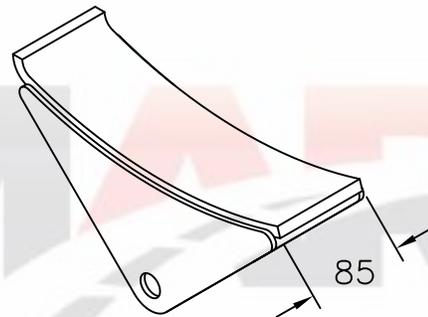
**80.20**

Esfrega Móvel traseira TE LS para MB 1938/1944



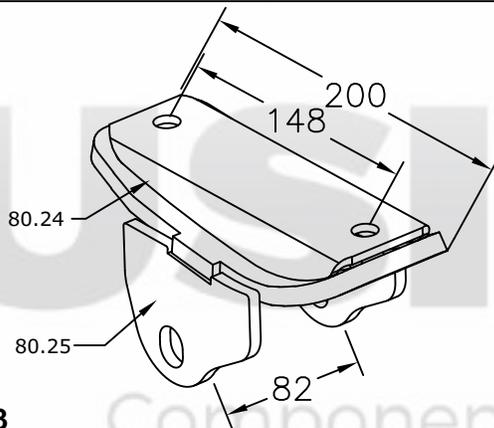
**80.21**

Esfrega Móvel traseira TE MB Atego



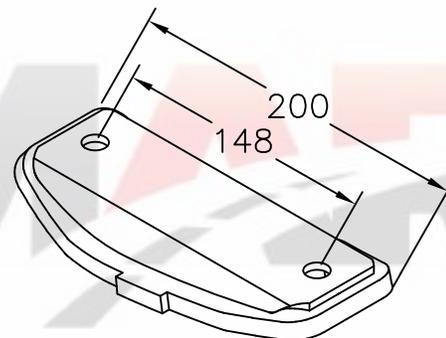
**80.22**

Esfrega Móvel dianteira TE MB Atego



**80.23**

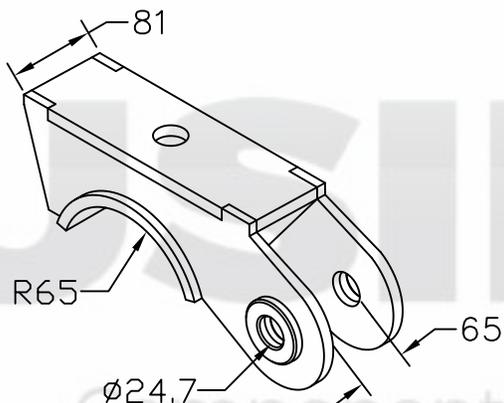
Esfrega móvel do TE Atego 2425



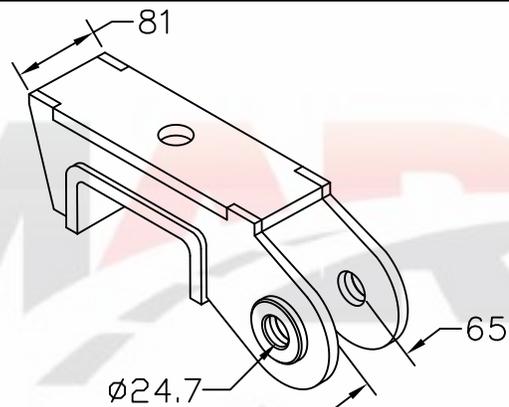
**80.24**

Base da Esfrega móvel do TE Atego 2425

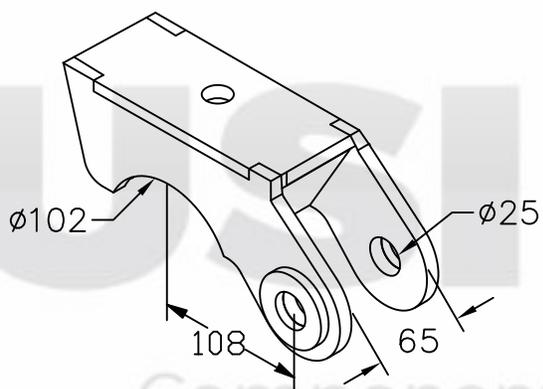
# MERCEDES-BENZ



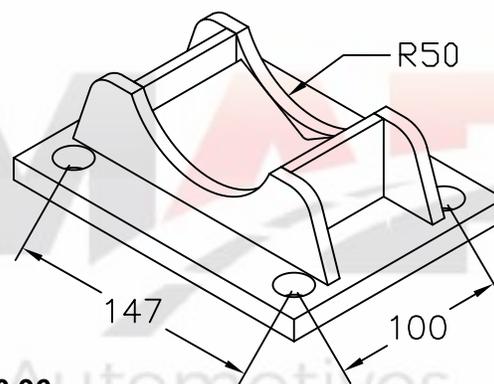
**80.31**  
Sapata superior do TE MB 1620



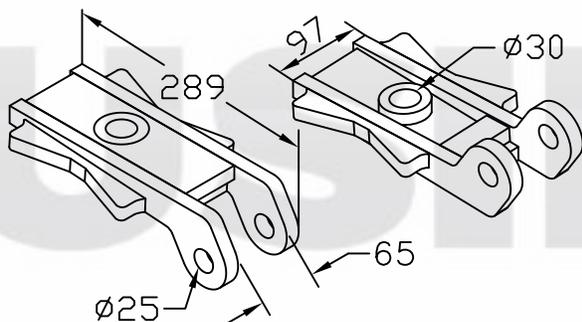
**80.32**  
Sapata superior retangular do TE MB 1620



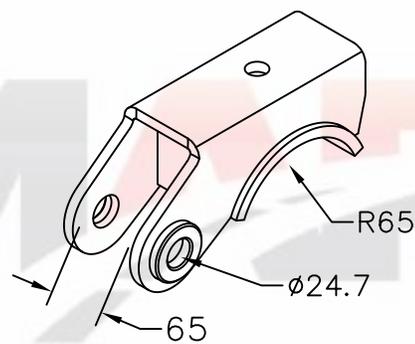
**80.95**  
Sapata Superior do TE para Eixo redondo



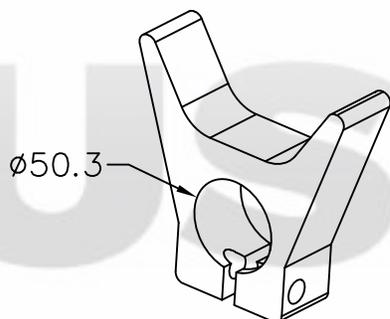
**80.96**  
Sapata Inferior do TE para Eixo redondo



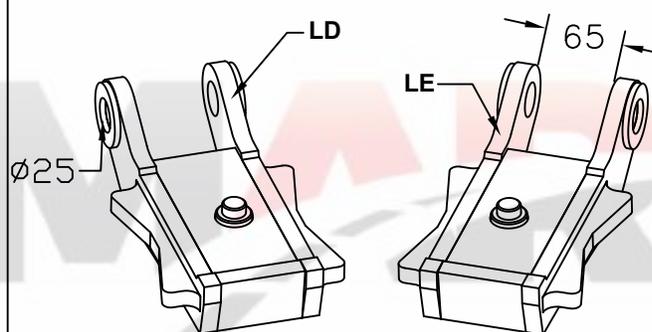
**81.03**  
Sapata superior do eixo de tração MB 1938/1944



**81.21**  
Sapata superior do TE Atego 2425

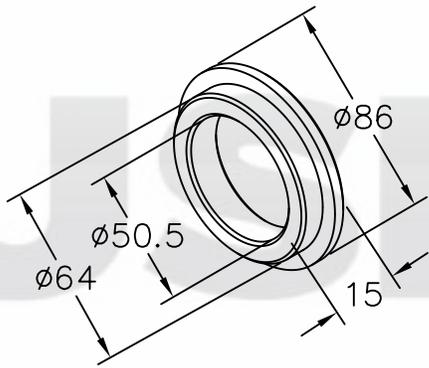


**81.52**  
Mancal externo do suporte central Atego KLL 2425

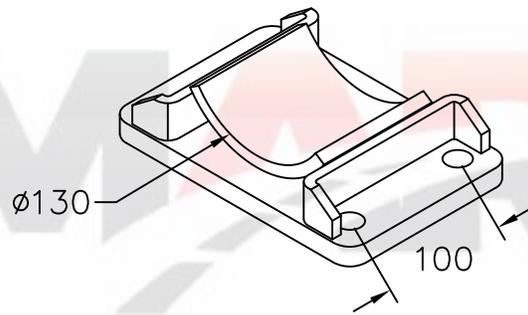


Sapata superior da tração MB 1634 Suspensys  
**81.53 - LE**  
**81.54 - LD**

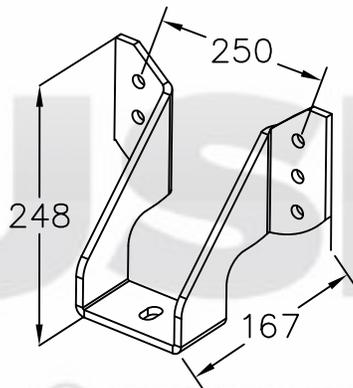
# MERCEDES-BENZ



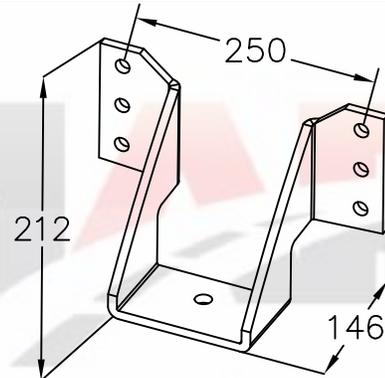
**81.64**  
Mancal do suporte central MB 1620



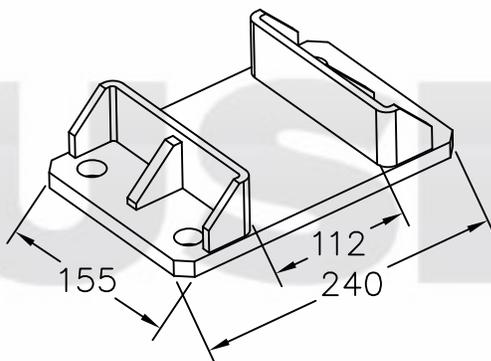
**81.85**  
Sapata inferior do TE Atego 2425



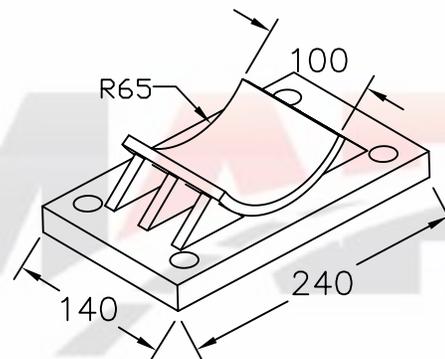
**81.92**  
Suporte de fixação do suspensor pneumático  
TE Axor 6 furos



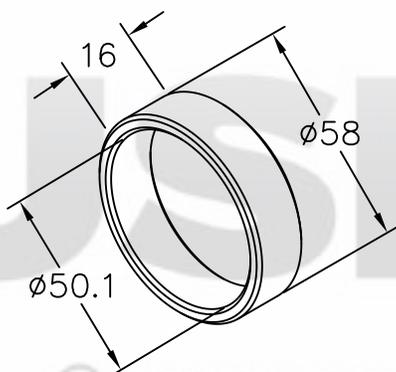
**83.20**  
Suporte de fixação do suspensor pneumático  
Axor 6 furos



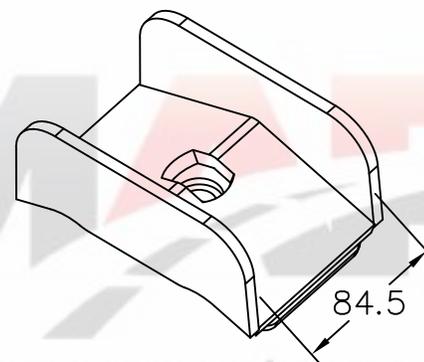
**82.10**  
Sapata inferior retângular do TE MB 1620



**82.11**  
Sapata inferior do TE MB 1620 Suspensys

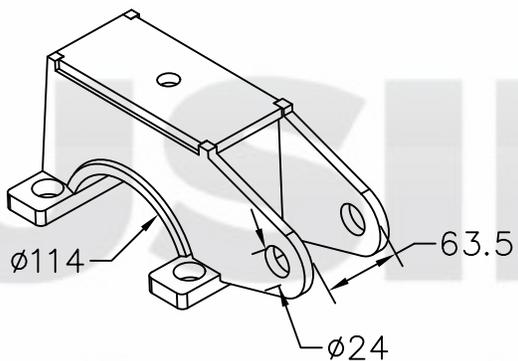


**82.12**  
Anel do suporte central Atego KLL 2425

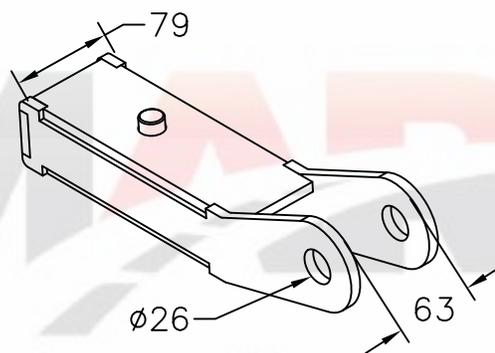


**82.73**  
Deslizante do suporte diant/tras. Atego 2017

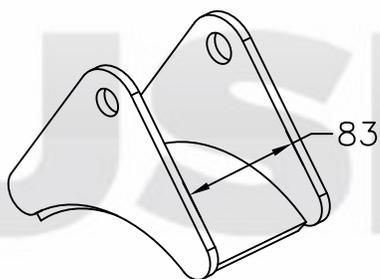
# MERCEDES-BENZ



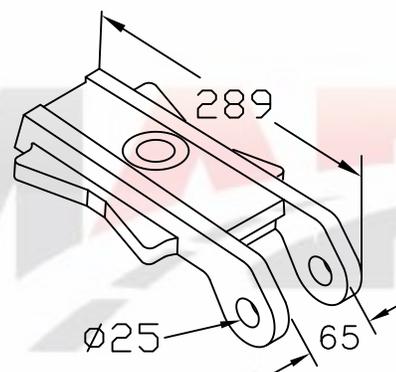
**82.51**  
Sapata eixo redondo suspensão 3/4"



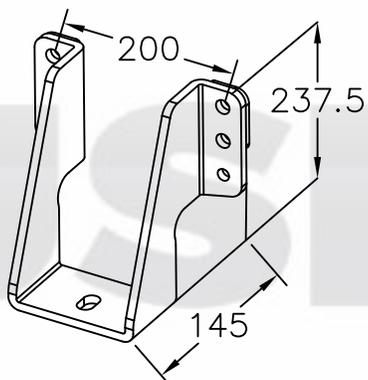
**82.52**  
Sapata da tração suspensão 3/4"



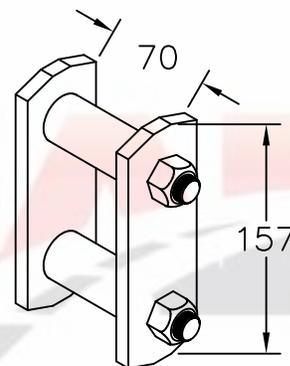
**82.53**  
Deslizante da suspensão 3/4"



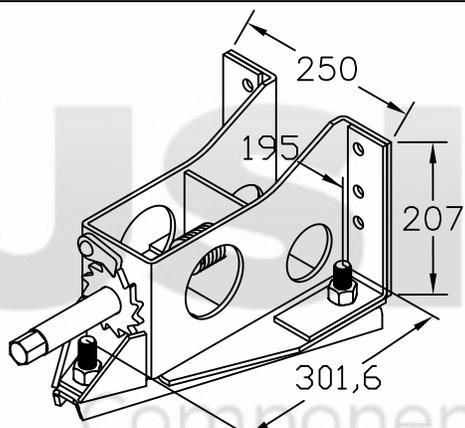
**82.86**  
Sapata superior do eixo de tração MB 1938/1944  
(inclinação ao contrário)



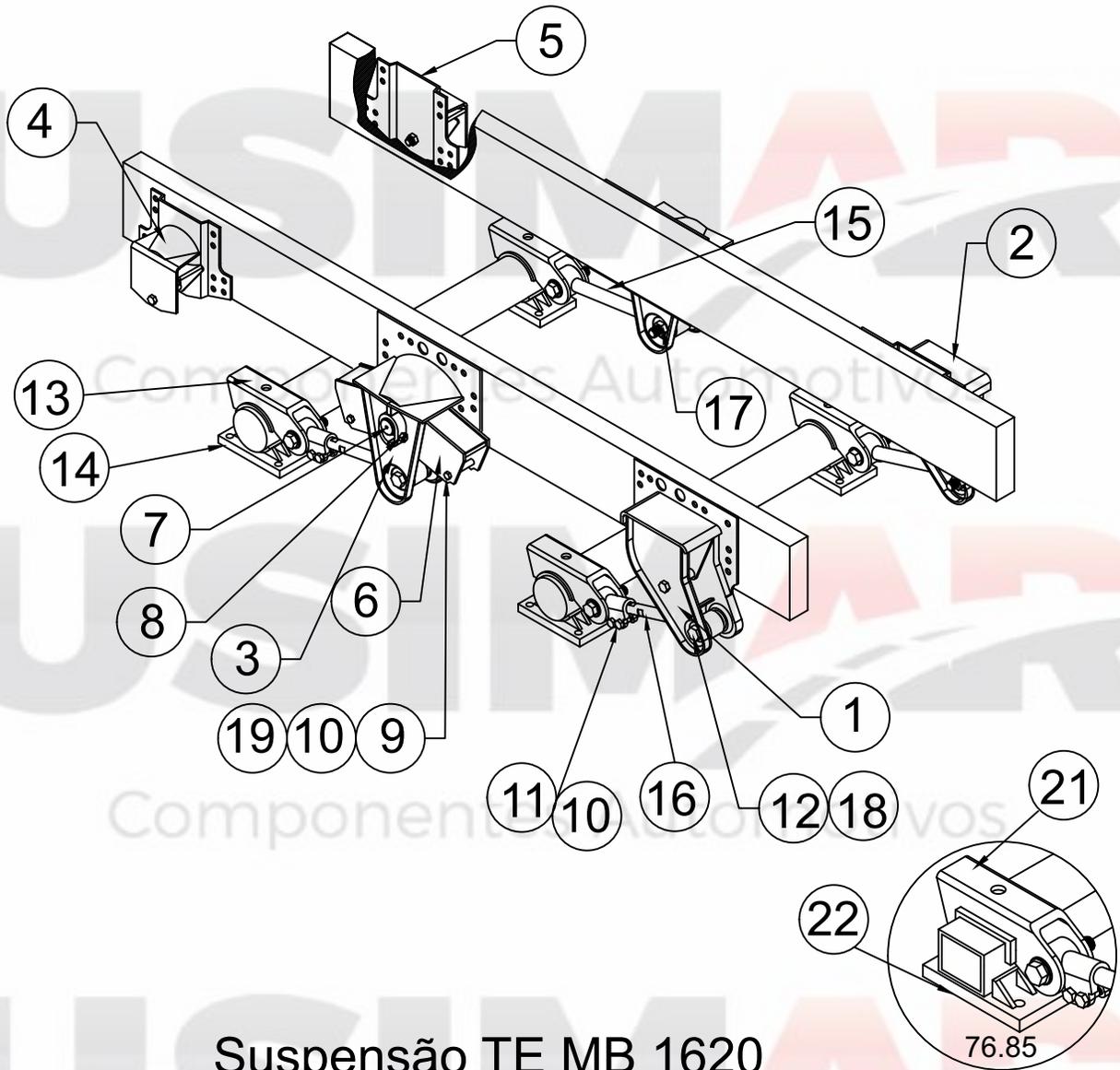
**82.97**  
Suporte de fixação do suspensor 6 furos  
ATEGO



**83.32**  
Conjunto do jumelo da parte traseira do  
MB 608-D



**91.57**  
Porta estepe do TE MB-1620



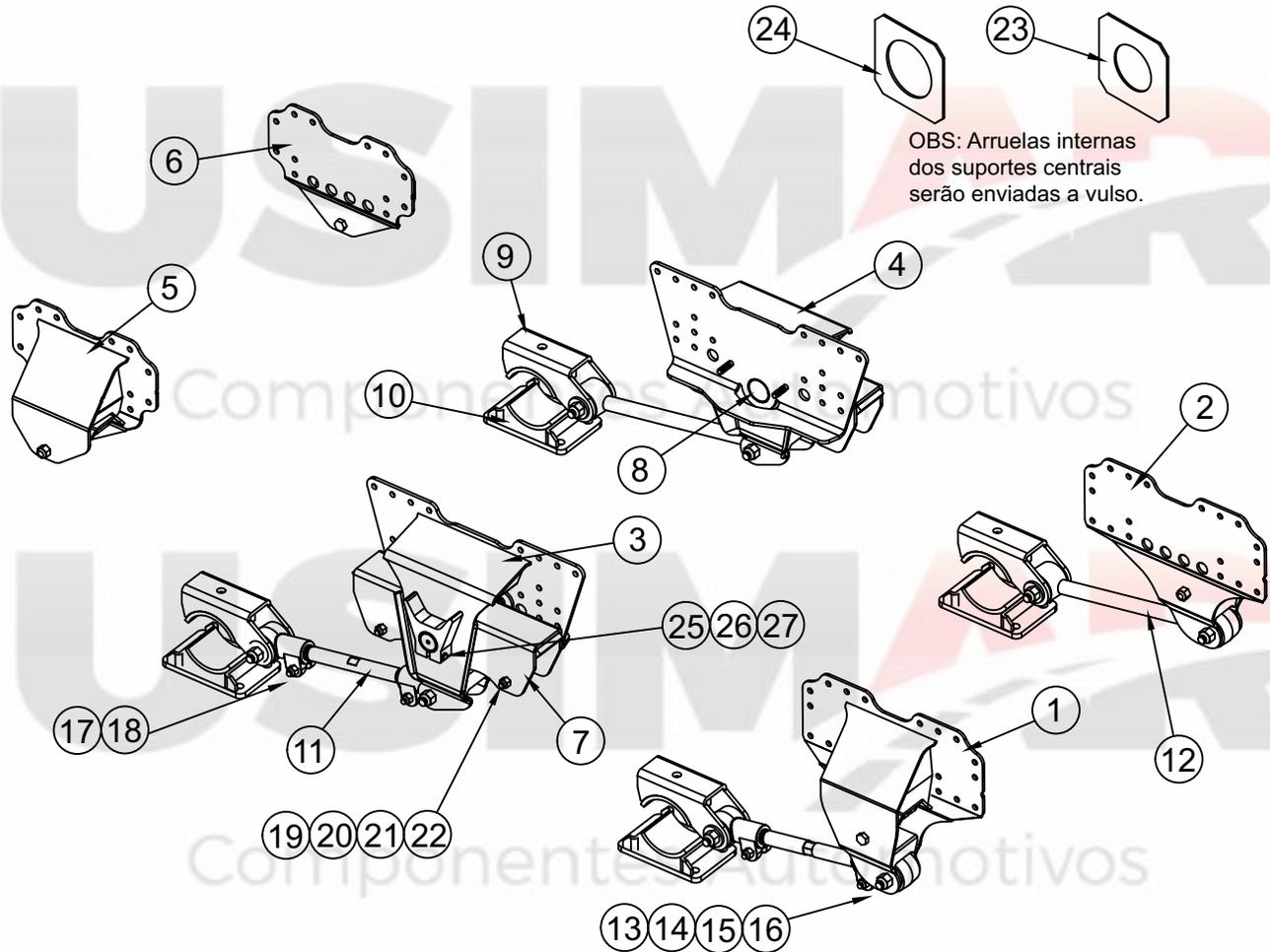
Suspensão TE MB 1620

**76.84 - Eixo redondo**

**76.85 - Eixo retângular**

Nº	Qtd.	Código	Denominação
01	01	<b>71.58</b>	Suporte dianteiro LD
02	01	<b>71.59</b>	Suporte dianteiro LE
03	02	<b>71.57</b>	Suporte central
04	01	<b>71.61</b>	Suporte traseiro LD
05	01	<b>71.60</b>	Suporte traseiro LE
06	02	<b>70.93</b>	Balança
07	02	<b>40.89</b>	Pino da balança
08	02	<b>41.18</b>	Contrapino do mancal
09	04		Parafuso sext. 5/8" x 5"
10	12		Porca 5/8"
11	08		Parafuso sext. 5/8" x 1 3/4"
12	08	<b>41.16</b>	Pino do tensor
13	04	<b>80.31</b>	Sapata superior do "TE"
14	04	<b>82.11</b>	Sapata inferior do "TE"
15	02	<b>60.34</b>	Tensor fixo
16	02	<b>60.33</b>	Tensor regulável
17	08	<b>50.26</b>	Porca autotravante
18	08	<b>90.63</b>	Bucha molecular
19	04	<b>82.04</b>	Tubo 80mm

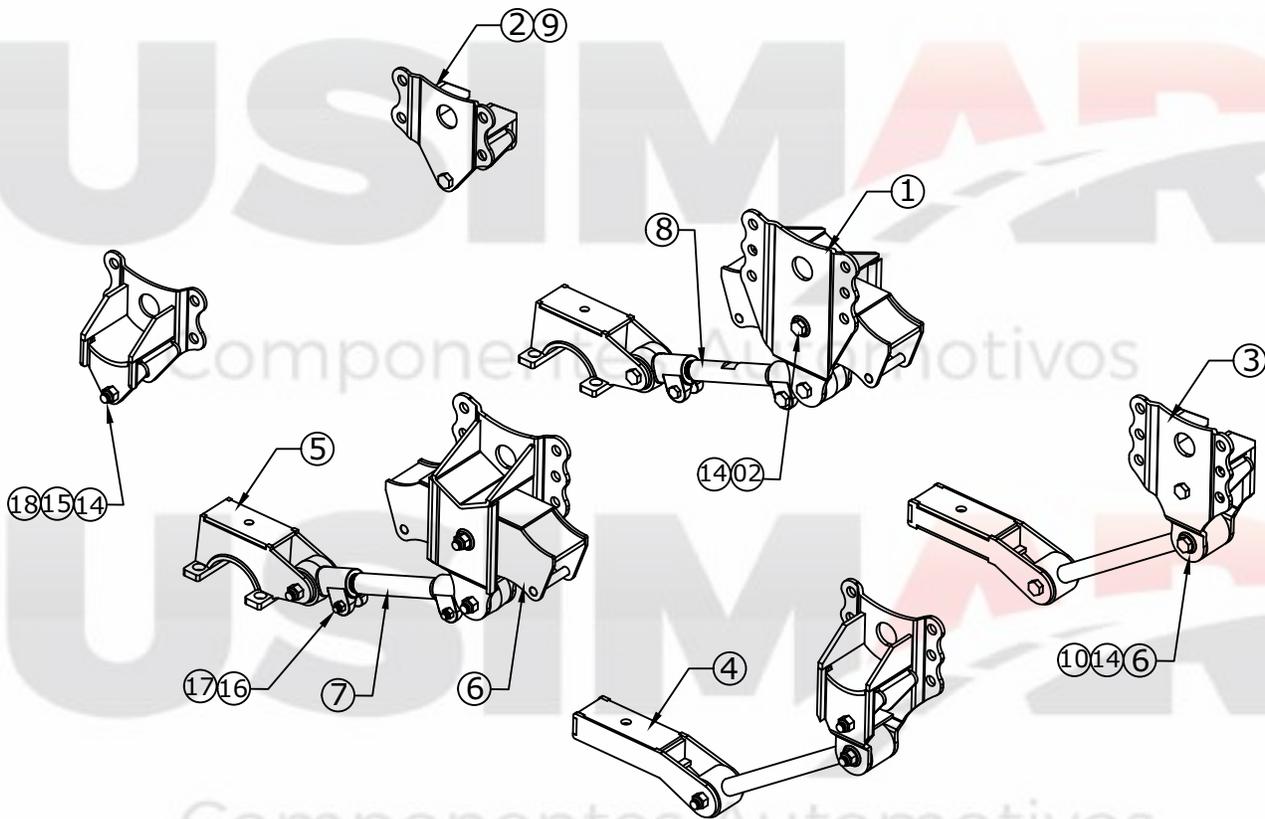
Nº	Qtd.	Código	Denominação
01	01	<b>71.58</b>	Suporte dianteiro LD
02	01	<b>71.59</b>	Suporte dianteiro LE
03	02	<b>71.57</b>	Suporte central
04	01	<b>71.61</b>	Suporte traseiro LD
05	01	<b>71.60</b>	Suporte traseiro LE
06	02	<b>70.93</b>	Balança
07	02	<b>40.89</b>	Pino da balança
08	02	<b>41.18</b>	Contrapino do mancal
09	04		Parafuso sext. 5/8" x 5"
10	12		Porca 5/8"
11	08		Parafuso sext. 5/8" x 1 3/4"
12	08	<b>41.16</b>	Pino do tensor
15	02	<b>60.34</b>	Tensor fixo
16	02	<b>60.33</b>	Tensor regulável
17	08	<b>50.26</b>	Porca autotravante
18	08	<b>90.63</b>	Bucha molecular
19	04	<b>82.04</b>	Tubo 80mm
21	02	<b>80.32</b>	Sapata superior eixo retângular
22	12	<b>82.10</b>	Sapata inferior eixo retângular



## 77.06

### Suspensão TE Atego 2425 Mercedes - Benz

Nº	Qtd.	Código	Denominação
01	01	73.40	Suporte dianteiro LD
02	01	73.39	Suporte dianteiro LE
03	01	72.79	Suporte central LD
04	01	72.80	Suporte central LE
05	01	73.06	Suporte traseiro LD
06	01	73.07	Suporte traseiro LE
07	02	70.96	Balança pino Ø50mm
08	02	40.92	Pino da balança Ø49,8mm
09	04	81.21	Sapata superior eixo Ø130mm
10	04	81.85	Sapata inferior eixo Ø130mm
11	02	60.58	Tensor regulável 505mm
12	02	60.59	Tensor fixo 505mm
13	08	90.63	Bucha molecular
14	08	41.16	Pino do tensor
15	08	50.26	Porca do pino do tensor
16	08	30.92	Arruela do pino do tensor
17	04		Parafuso M16 x 80mm (8.8)
18	04		Porca M16 autotravante (8.8)
19	04		Tubo 84mm
20	04		Parafuso 5/8" x 5"
21	04		Porca 5/8 autotravante
22	04		Arruela de pressão 5/8"
23	02	30.42	Arruela Ø51mm suporte central
24	02	30.43	Arruela Ø59mm suporte central
25	02		Parafuso sext. M12 x 90mm
26	02		Porca sext. M12 autotravante
27	02		Arruela M12

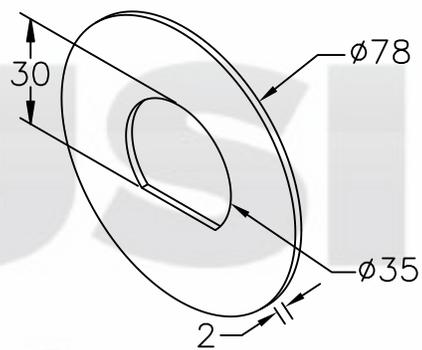


## 74.33

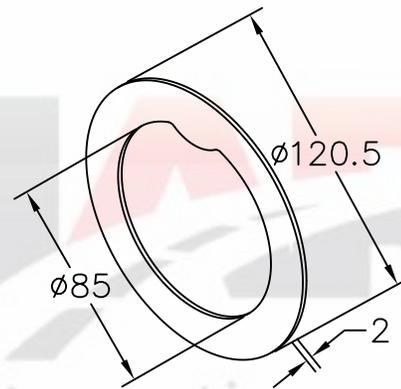
### Suspensão para TE em 3/4" Usimar

N°	Qtd.	Código	Denominação
01	02	74.22	Suporte Central
02	02	74.20	Suporte Traseiro
03	02	74.21	Suporte Dianteiro
04	02	82.52	Sapata da tração
05	02	82.51	Sapata do eixo redondo
06	02	74.19	Balança p/ pino Ø25mm
07	02	61.58	Tensor Fixo 425mm
08	02	61.59	Tensor regulável 425mm
09	04	82.53	Deslizante da Esfrega
10	08	90.11	Bucha Estabilizadora Nakata
11	02	41.14	Parafuso M24 x 160mm
12	10	50.26	Porca autotravante M24 x 2mm
13	06	41.16	Parafuso do tensor M24
14	04		Parafuso 5/8" x 5" zincado
15	04		Porca 5/8" autotravante
16	04		Parafuso M16 x 80 mm
17	04		Porca autotravante M16
18	04		Tubo Ø1" x 83mm

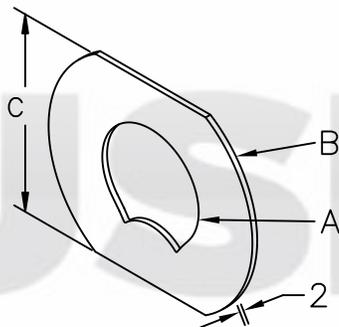




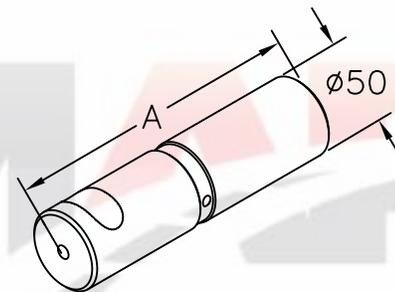
**31.13**  
Arruela do cubo dianteiro



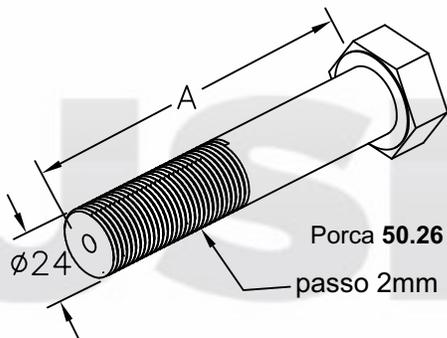
**31.14**  
Arruela do cubo traseiro



Arruela de encosto do cubo de roda  
**31.28** - A = Ø40,2 B = Ø85 C = 72 (112)  
**31.29** - A = Ø45.2 B = Ø90 C = 77 (112 e 142)

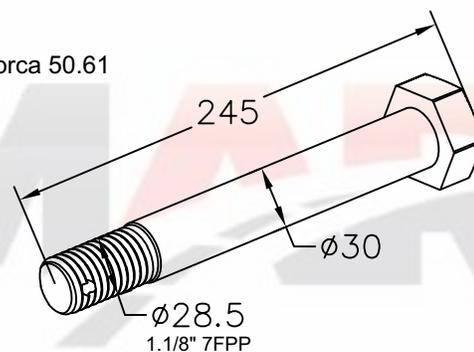


Pino da balança do TE LS  
**40.97** - A = 178mm  
**40.98** - A = 183mm

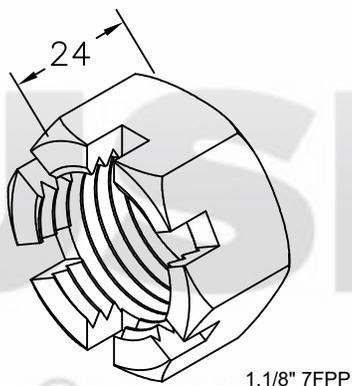


Pino do tensor do TE LS  
**41.16** - A = 125mm  
**41.20** - A = 140mm

Porca 50.61

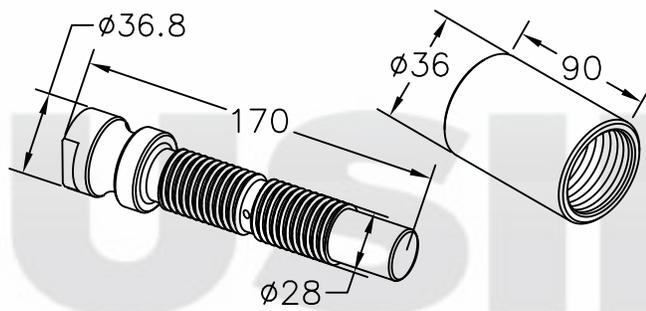


**41.59**  
Pino Scania sueco

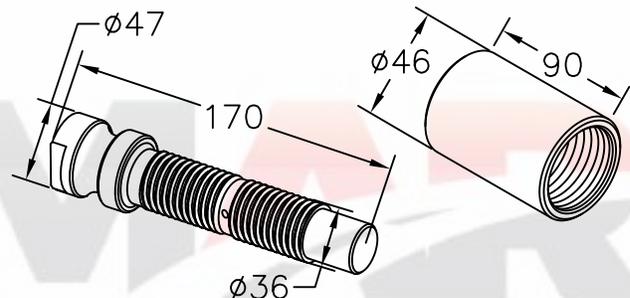


**50.61**  
Porca castelo pino sueco

# SCANIA

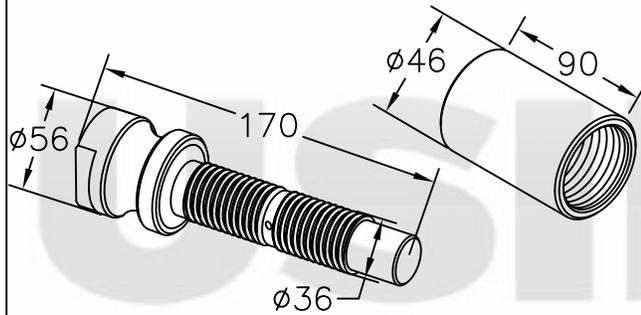


Olhal da mola dianteira 112/113



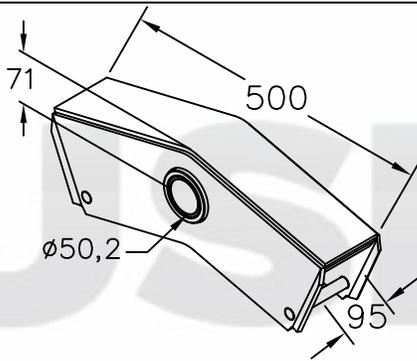
Olhal da mola traseira 112/113

PINO		BUCHA	
41.45 - Cementado	50.48 - Cementado	41.46 - Cementado	50.49 - Cementado
42.28 - Comum	50.91 - Comum	42.29 - Comum	51.39 - Comum

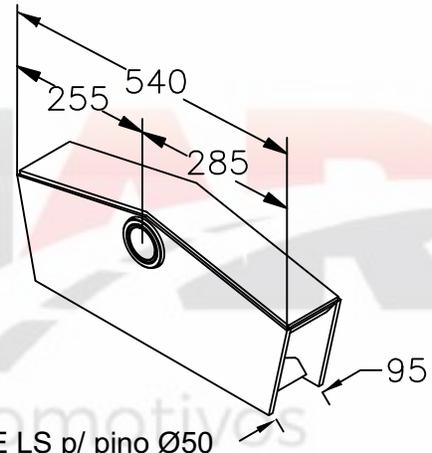


Olhal da mola traseira G5

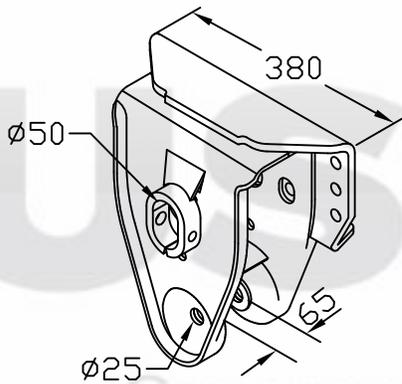
PINO		BUCHA	
41.76 - Cementado	50.49 - Cementado		
42.30 - Comum	51.39 - Comum		



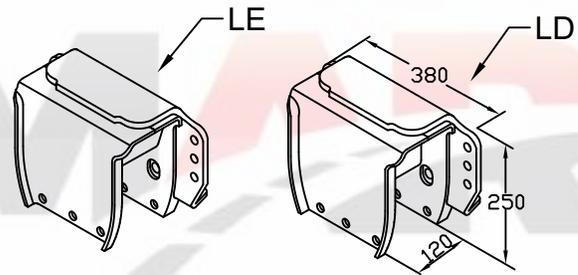
**70.04**  
 Balança do TE LS p/ pino Ø50mm  
**71.85**  
 Balança do TE LS sem pininho p/ pino Ø50mm



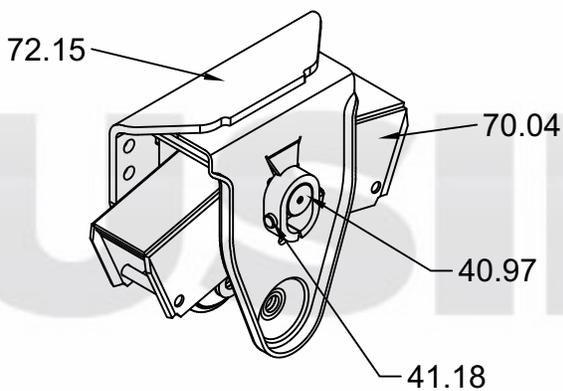
**70.13**  
 Balança TE LS p/ pino Ø50



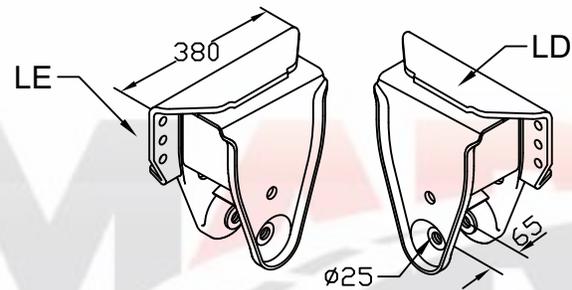
**72.15**  
 Suporte central do TE LS suspensys



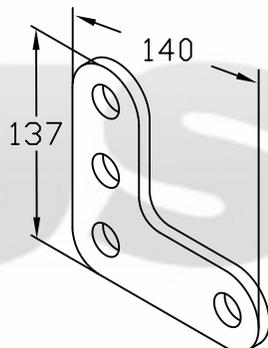
Suporte traseiro do TE LS Suspensys  
**72.18 - LE**  
**72.19 - LD**



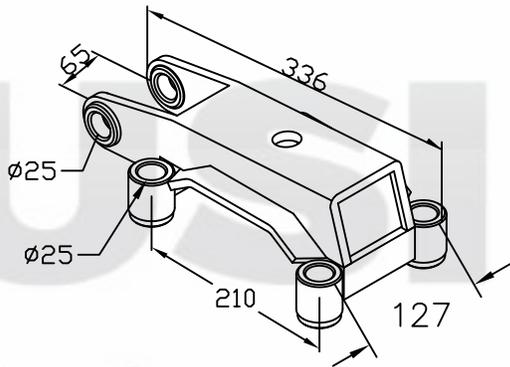
**74.24**  
 Kit central do TE



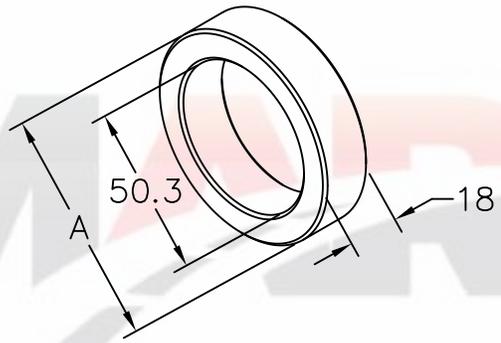
Suporte dianteiro do TE LS Suspensys reforçado  
**76.20 - LD**  
**76.21 - LE**



**75.27**  
 Calço de fixação do suporte dianteiro, traseiro e central

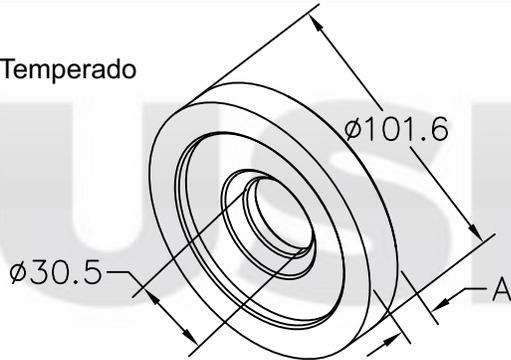


**80.91**  
Sapata superior do eixo tração TE LS

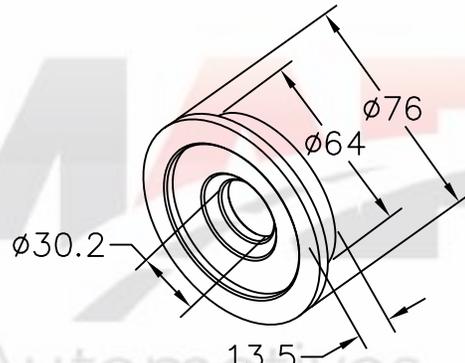


Mancal para restaurar o suporte central  
**81.45** - A =  $\phi 70$ mm  
**81.46** - A =  $\phi 60$ mm

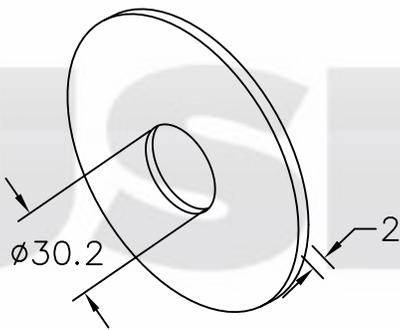
Temperado



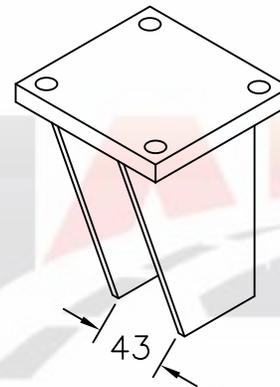
Arruela da suspensão pneumática  
**81.48** - A = 16,5mm  
**81.49** - A = 17,5mm



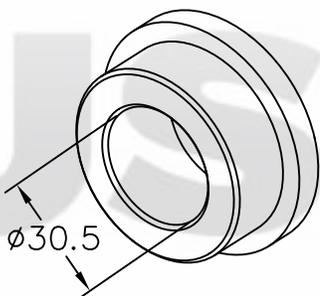
**81.87**  
Arruela da suspensão pneumática



**82.26**  
Arruela da suspensão pneumática lisa

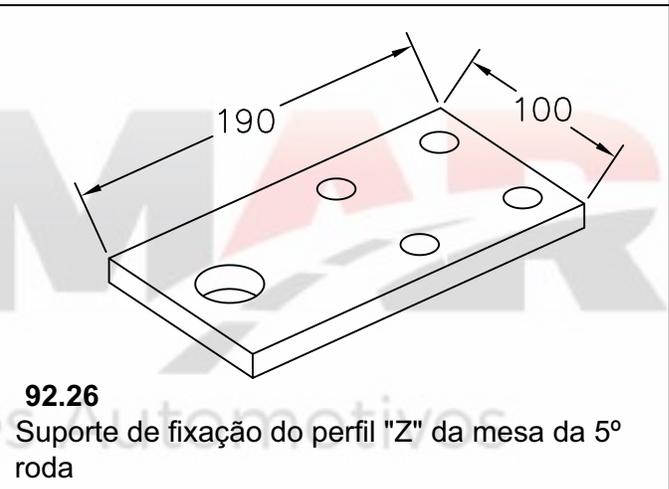
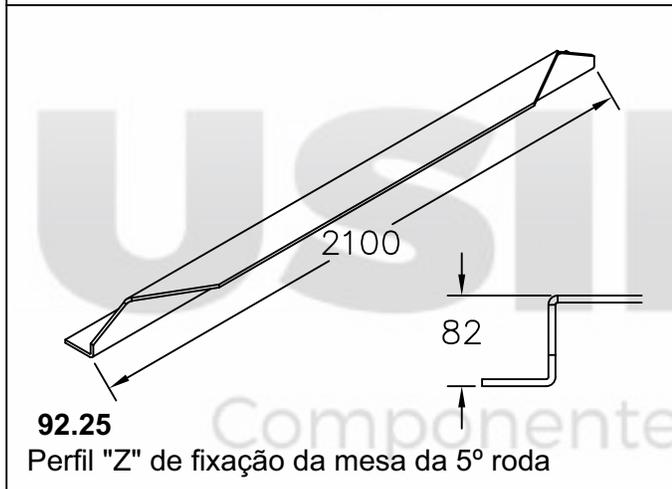
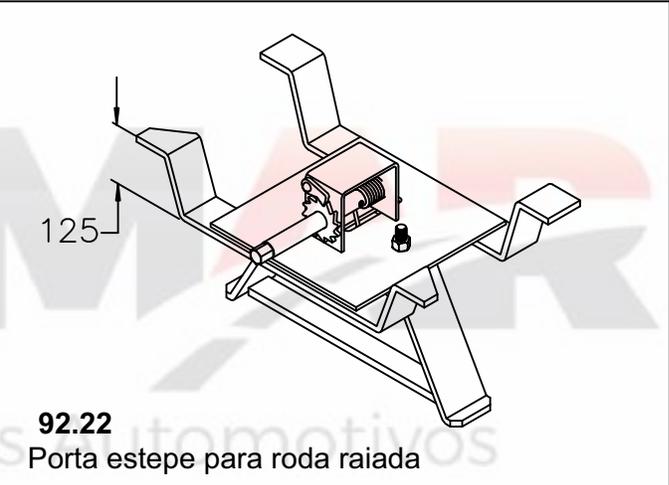
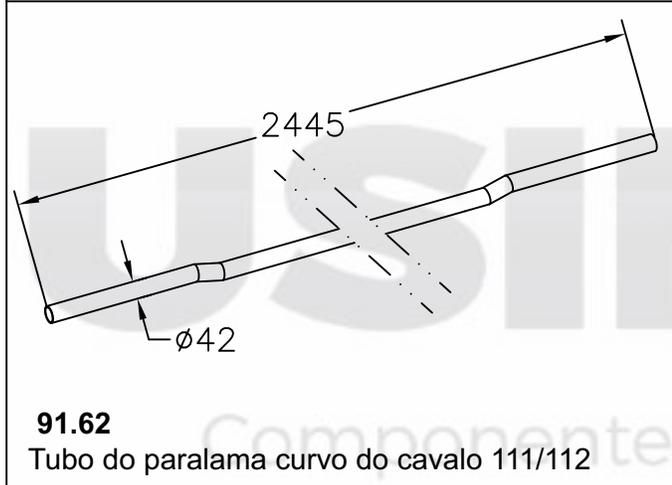
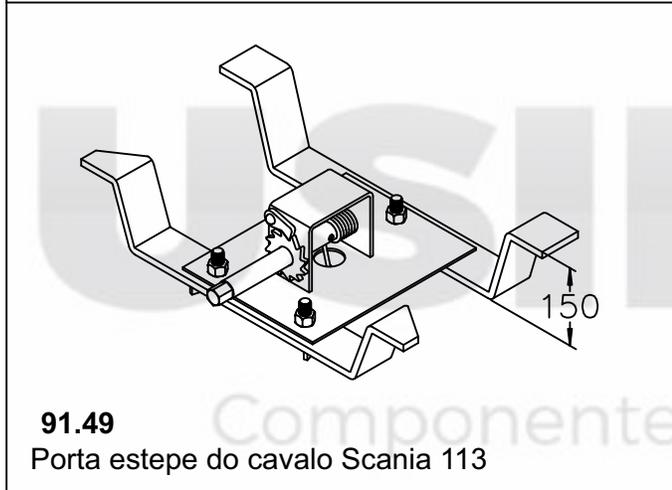
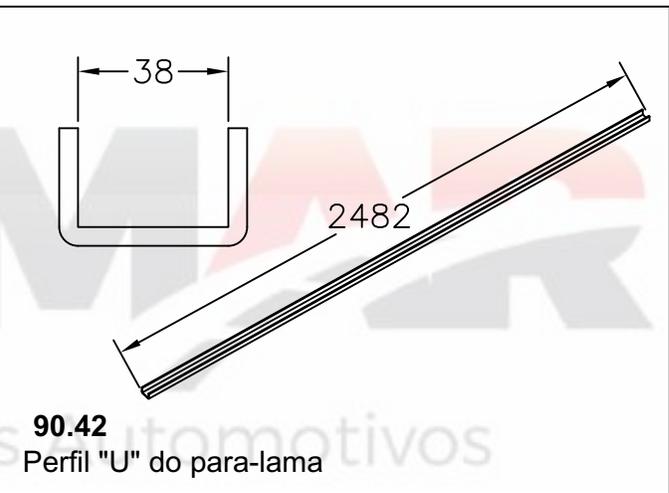
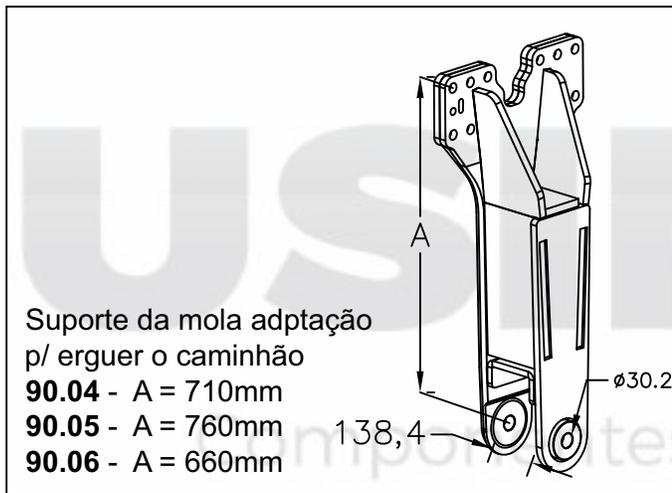


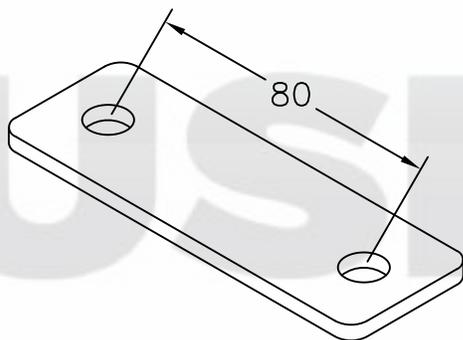
**82.37**  
Chapa para sustentação do tubo do pára-lama do cavalo 113



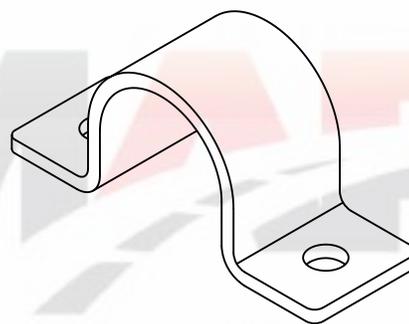
**83.07**  
Mancal da suspensão pneumática

# SCANIA



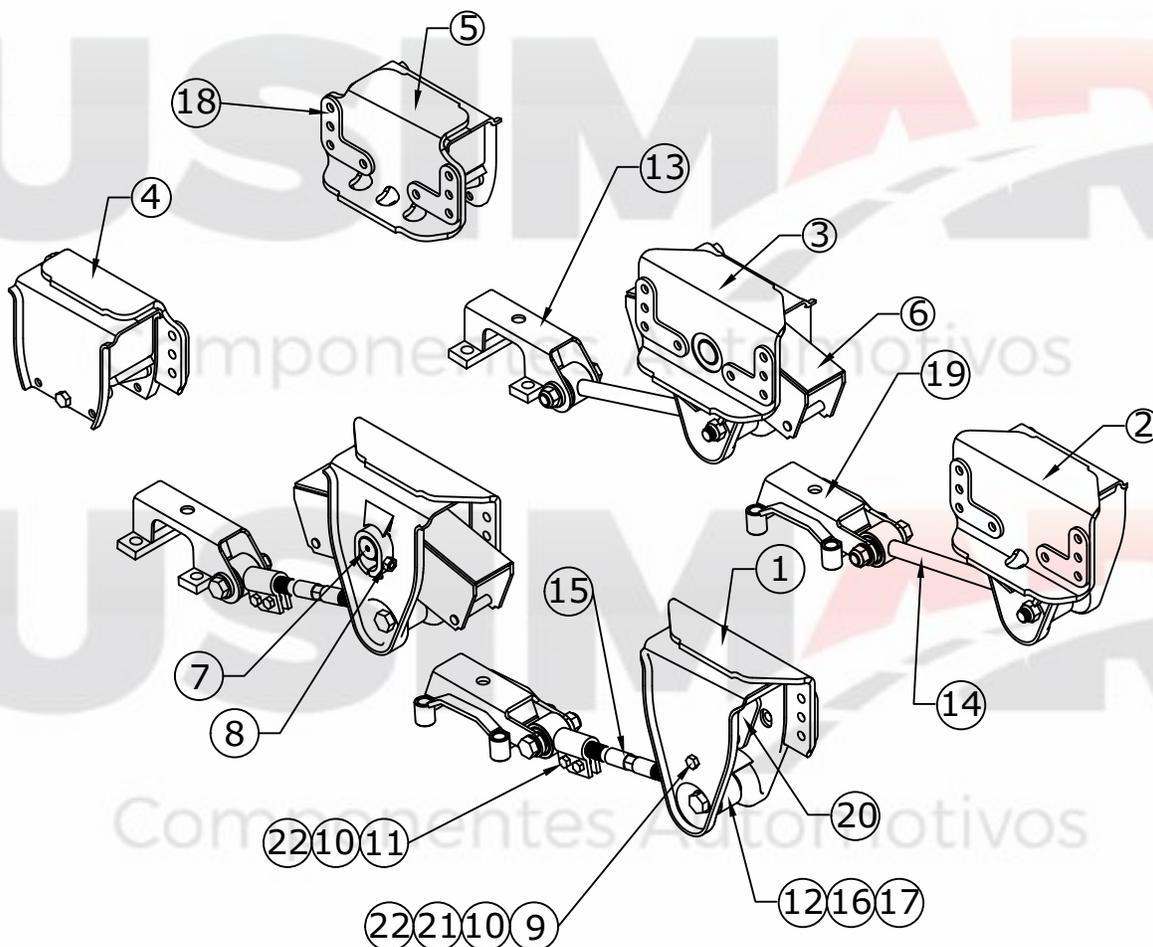


**92.37**  
Reforço da abraçadeira do para-lama



**24.83**  
Abraçadeira do pára-lama do cavalo

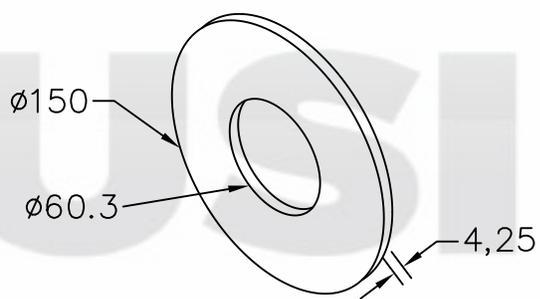




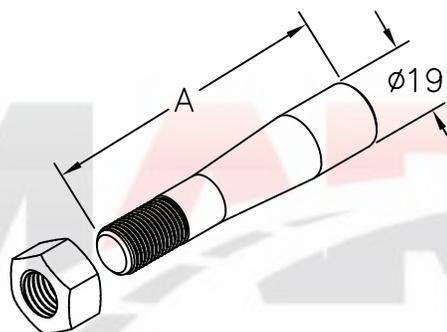
**76.86**

**Suspensão Terceiro Eixo LS Suspensys**

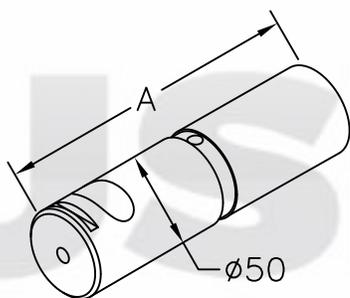
N°	Qtd.	Código	Denominação
01	01	<b>76.20</b>	Suporte dianteiro LD
02	01	<b>76.21</b>	Suporte dianteiro LE
03	02	<b>72.15</b>	Suporte central
04	01	<b>72.19</b>	Suporte traseiro LD
05	01	<b>72.18</b>	Suporte traseiro LE
06	02	<b>70.04</b>	Balança
07	02	<b>40.97</b>	Pino da balança
08	02	<b>41.18</b>	Contrapino do mancal
09	04		Paraf. sext. 5/8" x 6"
10	12		Porca 5/8"
11	08		Paraf. 5/8" x 2"
12	08	<b>41.16</b>	Pino do tensor
13	02	<b>80.51</b>	Sapata do 3° eixo retângular
14	02	<b>60.30</b>	Tensor fixo
15	02	<b>60.29</b>	Tensor regulável
16	08	<b>50.26</b>	Porca autotravante
17	08	<b>90.63</b>	Bucha molecular
18	12	<b>75.27</b>	Calço do suporte
19	02	<b>80.91</b>	Sapata superior de tração
20	04	<b>80.01</b>	Deslizante da esfrega
21	04	<b>82.04</b>	Tubo da esfrega móvel
22	18		Arruela de pressão 5/8"



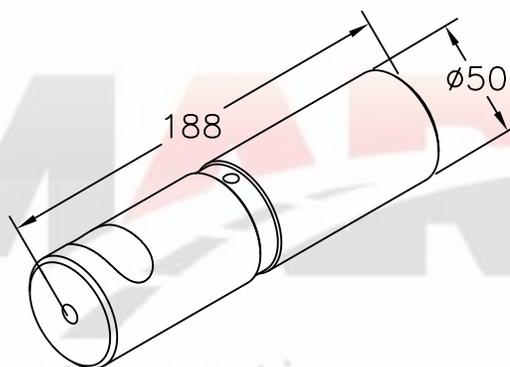
**31.26**  
Arruela de reparo suporte central



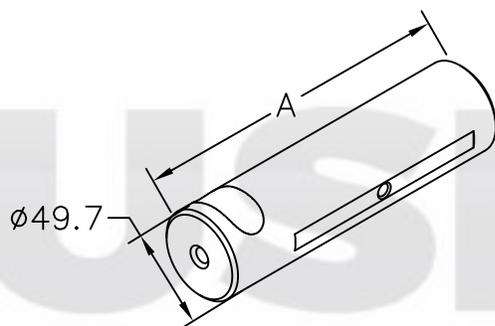
Pino cônico para mancal com porca do SR  
**40.03** - A = 92mm  
**40.05** - A = 100mm



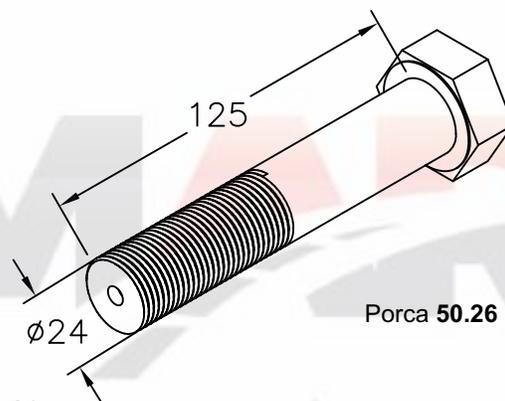
Pino da Balança do TE modelo Suspensys  
**40.75** - A = 190mm  
**40.76** - A = 180mm



**40.77**  
Pino da balança do TE

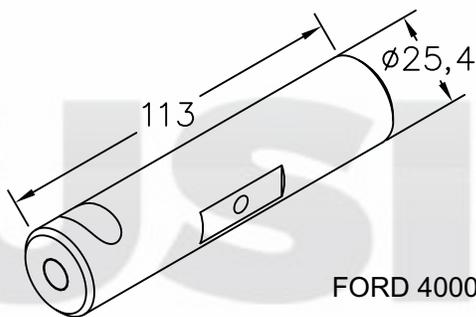


Pino da balança do TE do suporte fundido  
**40.78** - A = 183mm  
**41.87** - A = 185mm



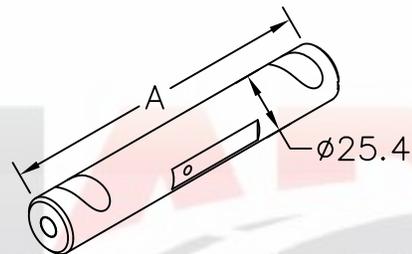
**41.16**  
Pino do Tensor

# VOLKSWAGEN/FORD

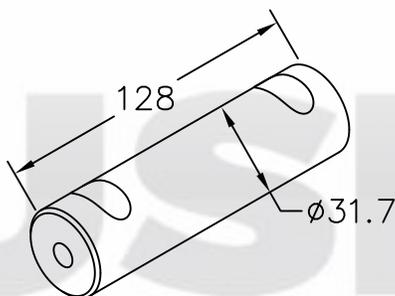


FORD 4000

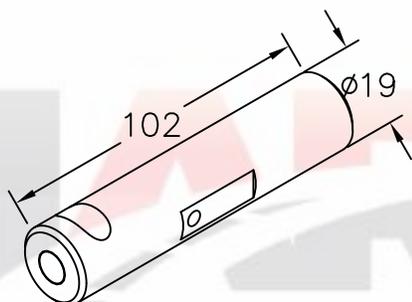
Pino do suporte de mola  
**40.72** - Cementado  
**42.03** - Comum



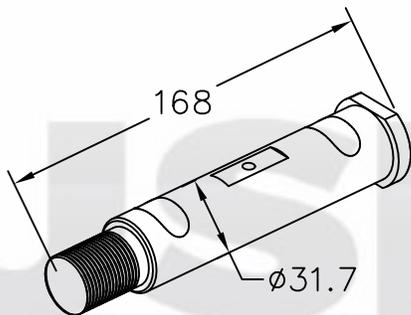
Pino do olhal de mola 16170/220/300  
**40.99** - A = 155mm (cementado TR E DT)  
**41.00** - A = 170mm (cementado Longo DT)  
**41.25** - A = 155mm (comum TR E DT)  
**41.26** - A = 170mm (comum Longo DT)



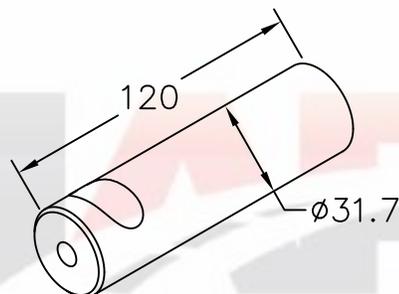
Pino do olhal da mola traseira F12000/1215  
 outros  
**41.60** - Cementado  
**42.38** - Comum



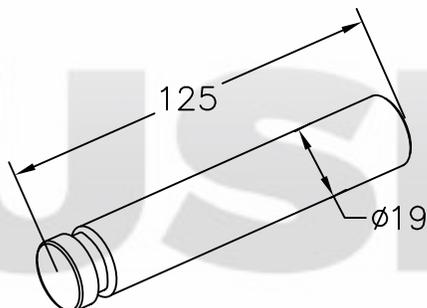
Pino do olhal da mola traseira F350  
**41.66** - Cementado  
**42.37** - Comum



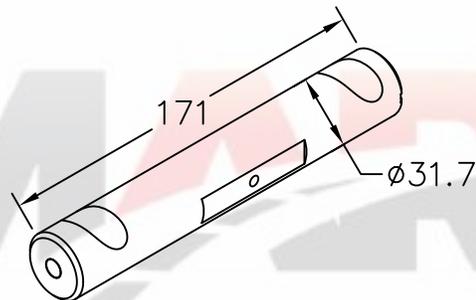
Pino do olhal da mola tensora TR  
**42.14** - Cementado  
**42.39** - Comum



Pino do olhal da mola tensora traseira  
**42.17** - Cementado  
**42.40** - Comum



Pino do suporte da mola com canal  
**42.41** - Cementado  
**42.42** - Comum



Pino do olhal da mola pit bull  
**42.47** - Cementado  
**42.48** - Comum

# VOLKSWAGEN/FORD

Tensor da suspensão TE fundida Cargo/Constellation  
**60.42** - Fixo  
**60.43** - Regulável

Tensor com luvas fundidas  
**60.44** - Fixo  
**60.45** - Regulável

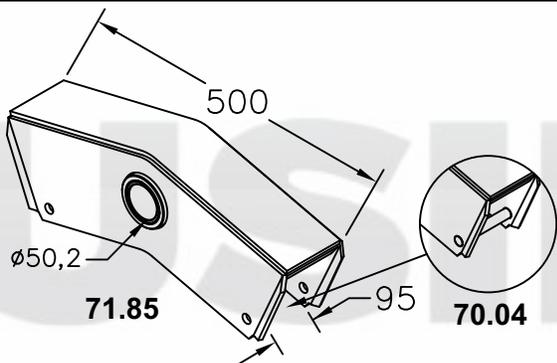
Tensor para o terceiro eixo  
**60.58** - Regulável  
**60.59** - Fixo

Tensor com luvas fundidas ou em chapa

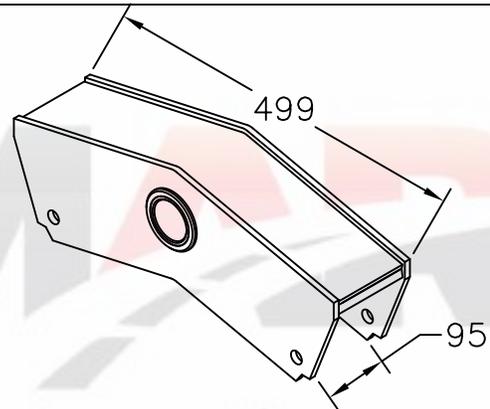
TENSOR	LUVA
<b>60.90</b> - Luva fundida	<b>60.63 , 60.62</b>
<b>60.29</b> - Em chapa	<b>60.65 , 60.64</b>

Tensor do TE suspensão 3/4"  
**61.59** - Regulável  
**61.58** - Fixo

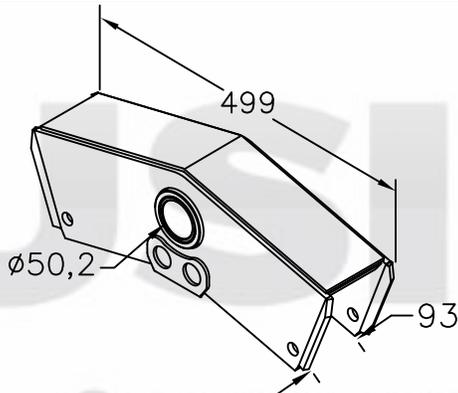
# VOLKSWAGEN/FORD



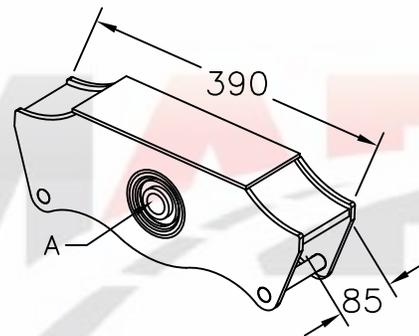
Balança do TE para pino Ø50mm  
**70.04** - Com pino  
**71.85** - Sem pino



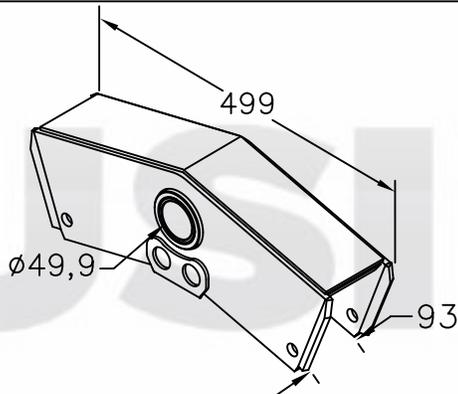
**70.21**  
 Balança do TE para pino Ø 50 mm  
 com tampa baixa



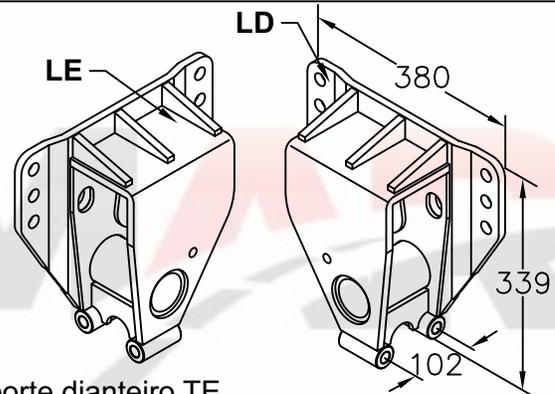
**70.91**  
 Balança TE suspensão fundida 6x2 Constel  
 24250/Cargo 2428



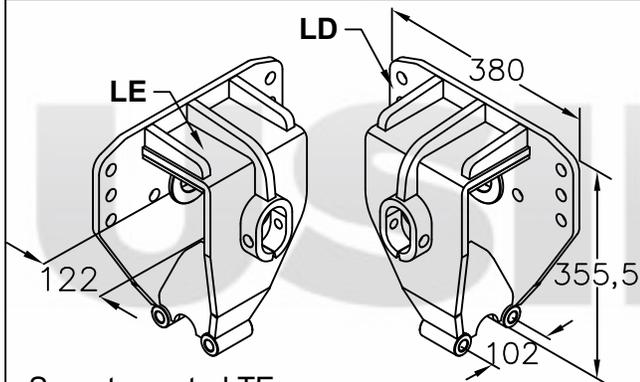
Balança do TE 3/4  
**74.19** - A = Ø25mm (para parafuso M24)  
**76.55** - A = Ø30,1mm ( para parafuso M30)



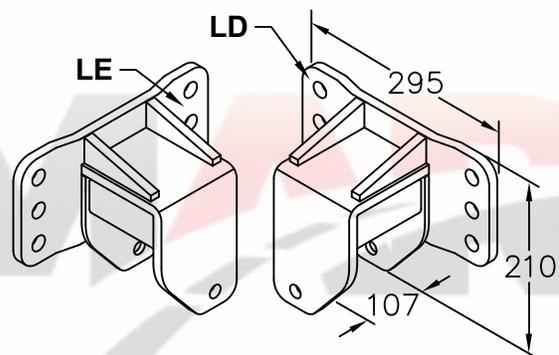
**75.30**  
 Balança TE suspensão fundida 6x2 Constel  
 24250/Cargo 2428



Suporte dianteiro TE  
**71.75** - LD  
**71.76** - LE

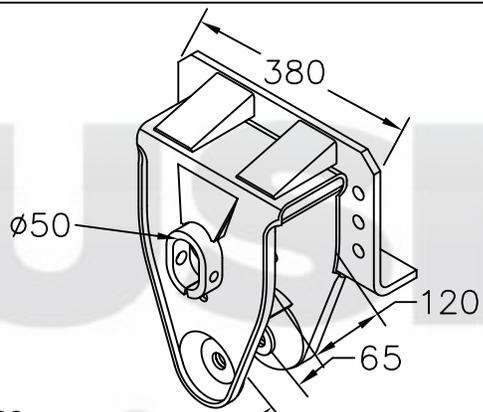


Suporte central TE  
**71.77** - LD  
**71.78** - LE

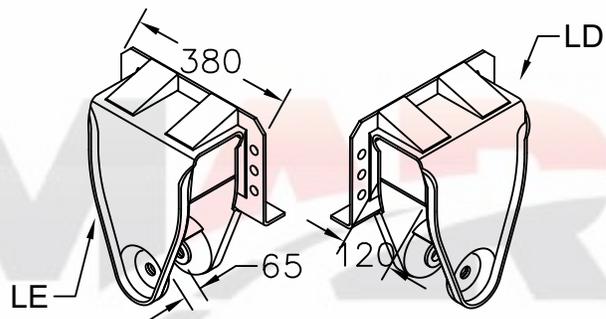


Suporte traseiro TE  
**71.79** - LD  
**71.80** - LE

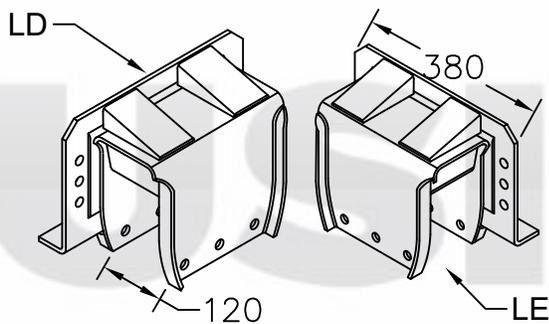
# VOLKSWAGEN/FORD



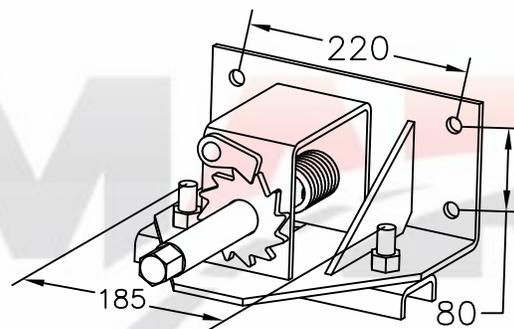
**72.28**  
Suporte Central do TE modelo Suspensys



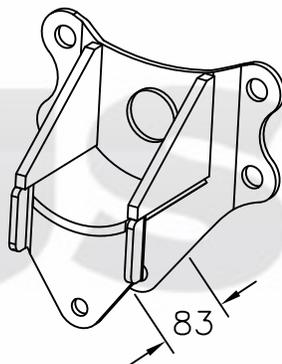
Suporte Dianteiro do TE modelo Suspensys  
**72.30 - LD**  
**72.29 - LE**



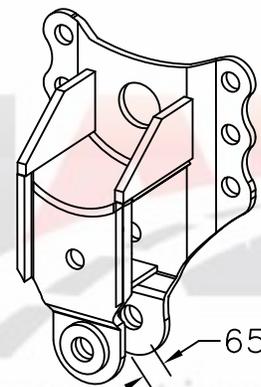
Suporte Traseiro do TE modelo Suspensys  
**72.32 - LD**  
**72.31 - LE**



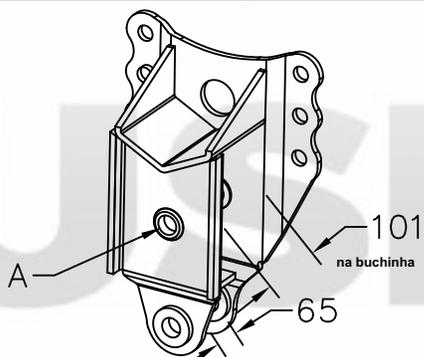
**73.10**  
Porta Estepe para Ford F4000



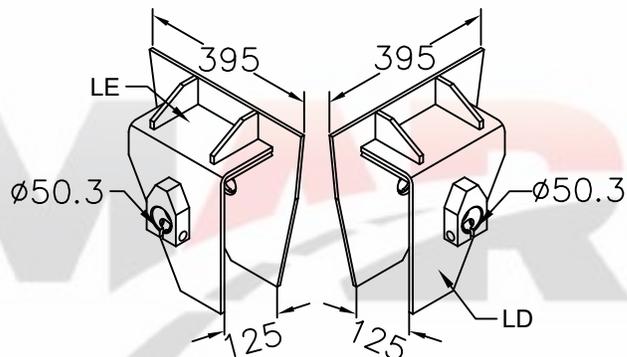
**74.20**  
Suporte traseiro do TE em 3/4



**74.21**  
Suporte dianteiro do TE em 3/4

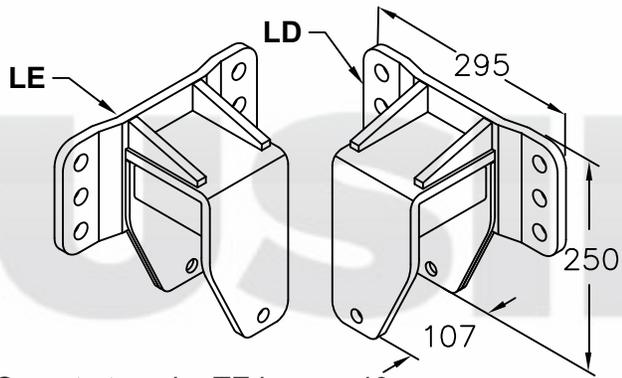


Suporte central do TE suspensão 3/4  
**74.22 - A = Ø25mm (para parafuso M24)**  
**76.56 - A = Ø30,1mm ( para parafuso M30)**



Suporte central do TE Ford Cargo  
**74.44 - LD**  
**74.45 - LE**

# VOLKSWAGEN/FORD



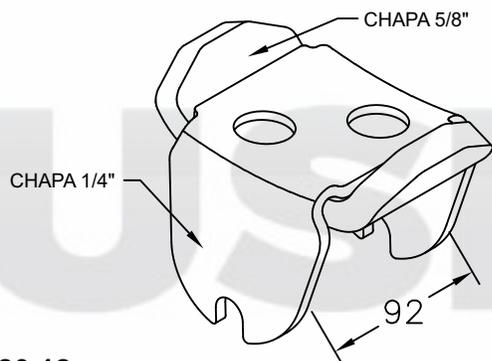
Suporte traseiro TE longo +40mm

74.68 - LD

74.67 - LE

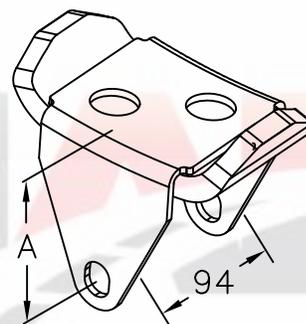


# VOLKSWAGEN/FORD



**80.12**

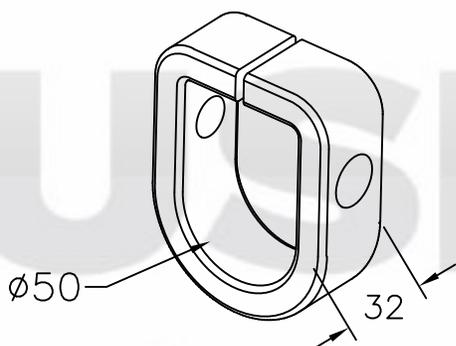
Esfrega móvel do TE suspensão fundida  
Suspensys modelo 2011



Esfrega móvel do TE suspensão fundida

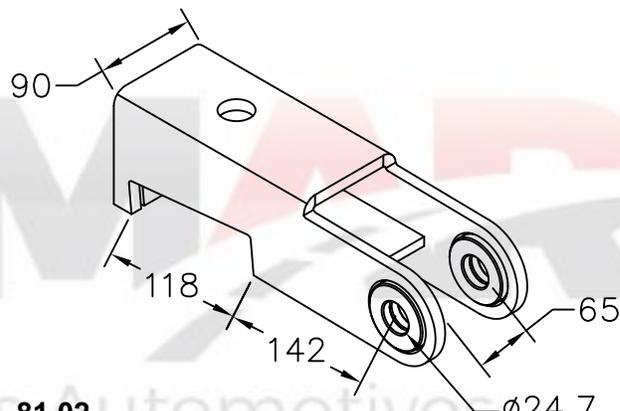
**80.13** - A = 79mm

**80.14** - A = 89mm



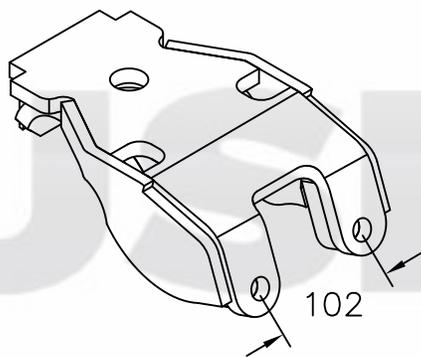
**80.34**

Mancal do pino cônico suporte central do TE



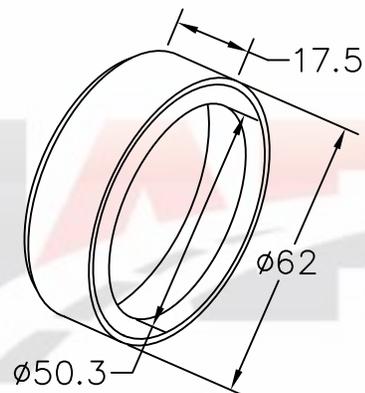
**81.02**

Sapata superior de tração do TE Suspensys



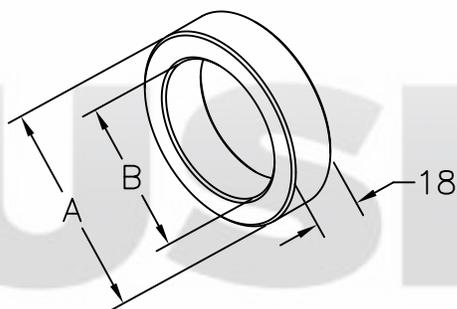
**81.04**

Sapata Superior do TE do eixo truck ford Cargo  
2009



**81.44**

Mancal Interno do suporte VW

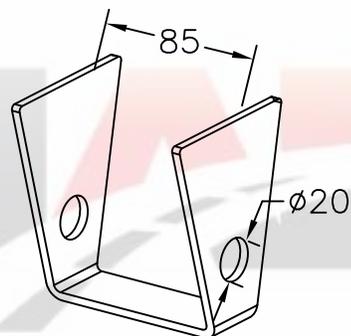


Mancal para restaurar o suporte central

**81.45** - A = Ø70mm B = Ø50,3mm

**81.46** - A = Ø60mm B = Ø50,3mm

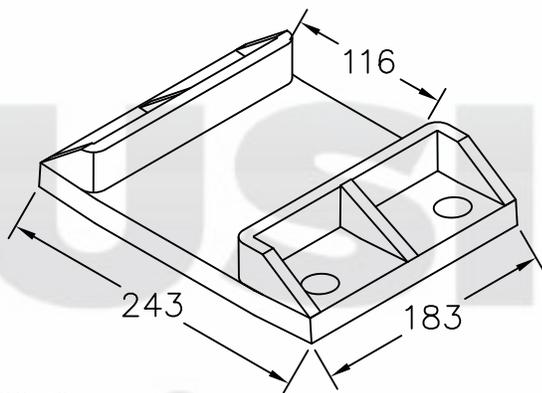
**82.41** - A = Ø70mm B = Ø60,3mm



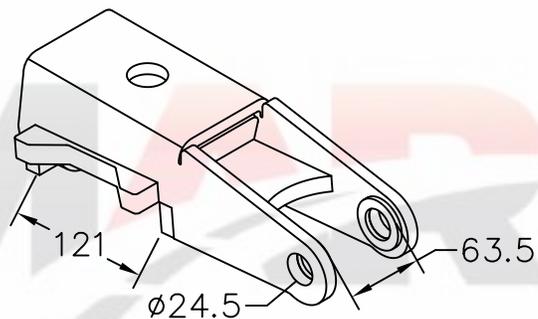
**82.31**

Chapa do suporte traseiro p/ traseira Cargo

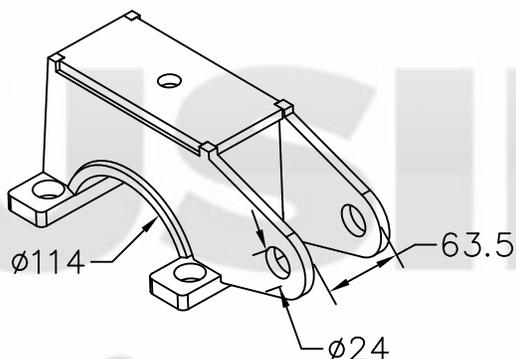
# VOLKSWAGEN/FORD



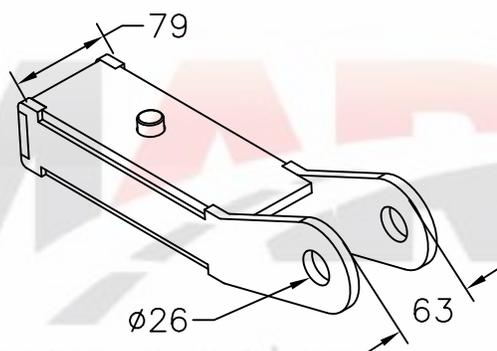
**82.40**  
Sapata inferior de tração do TE



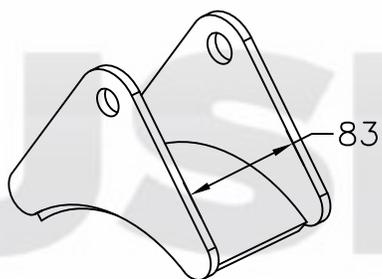
**82.49**  
Sapata superior da tração do TE Constellation 24.250 (81000701)



**82.51**  
Sapata eixo redondo suspensão 3/4"



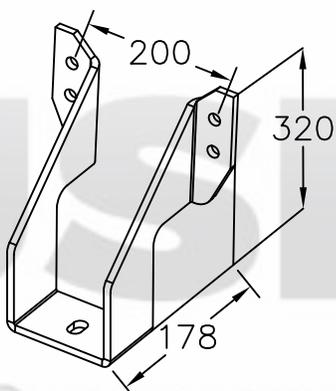
**82.52**  
Sapata da tração suspensão 3/4"



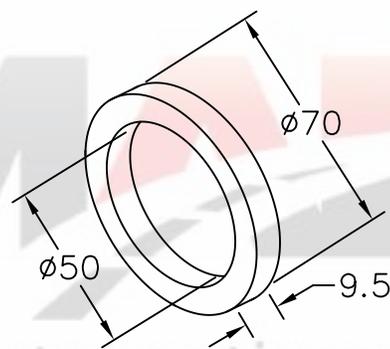
**82.53**  
Deslizante da suspensão 3/4"



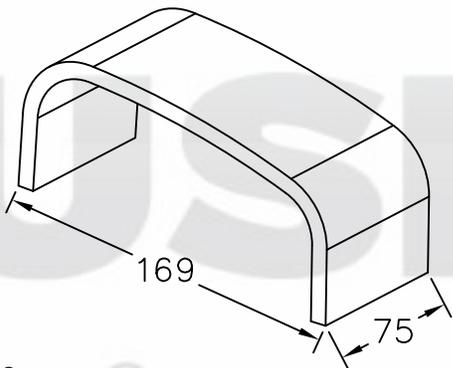
**82.78**  
Esfrega móvel do TE suporte longo +40mm



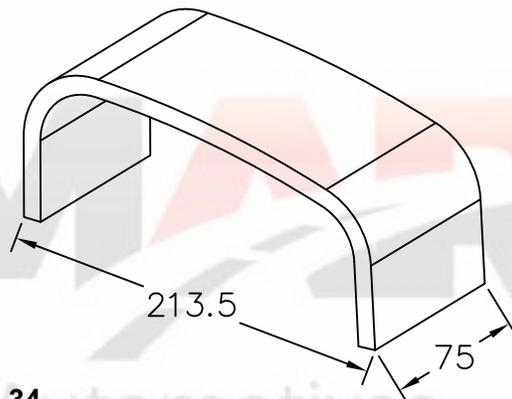
**82.94**  
Suporte de fixação do suspensor 4 furos Ford cargo 2428



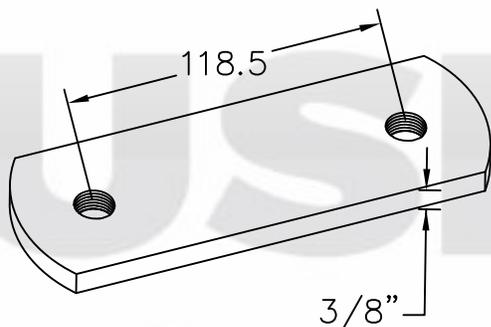
**83.03**  
Mancal externo do pino da balança



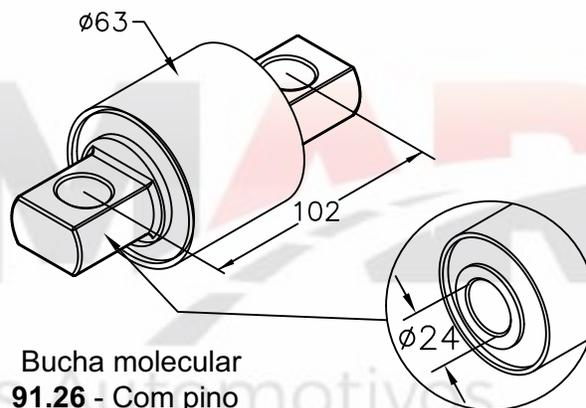
**83.33**  
Deslizante da mola traseira VW14140/16210



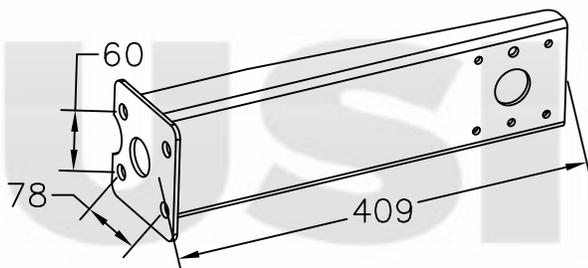
**83.34**  
Deslizante da mola tras/tras. VW16170/16220



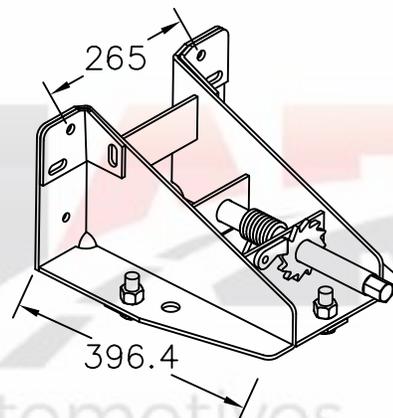
**83.43**  
Lateral do jumelo de mola VW 7.90



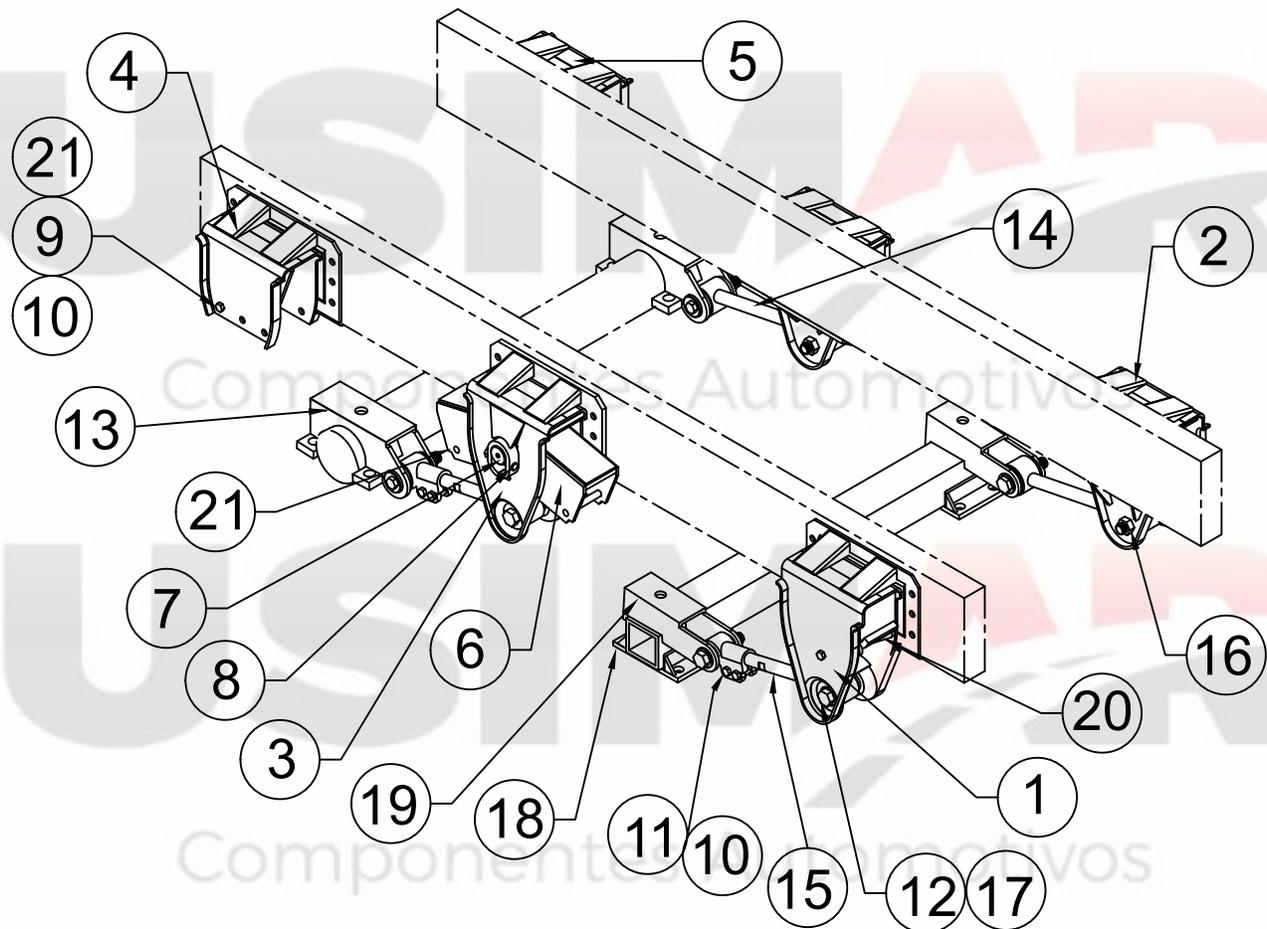
Bucha molecular  
**91.26** - Com pino  
**91.27** - Sem pino



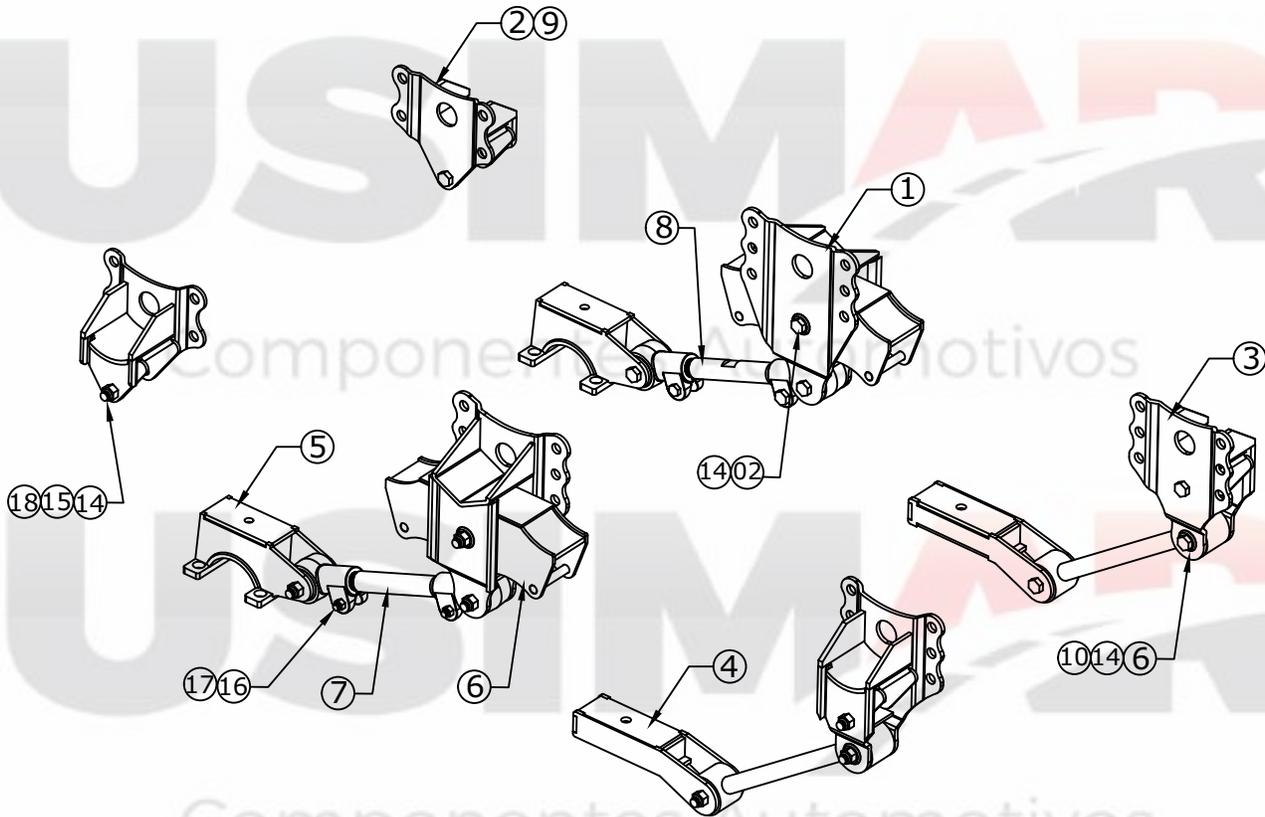
**92.33**  
Suporte da sinaleira traseira VW/FO



**93.33**  
Porta estepe roda disco

**73.74****Suspensão Terceiro Eixo Suspensys**

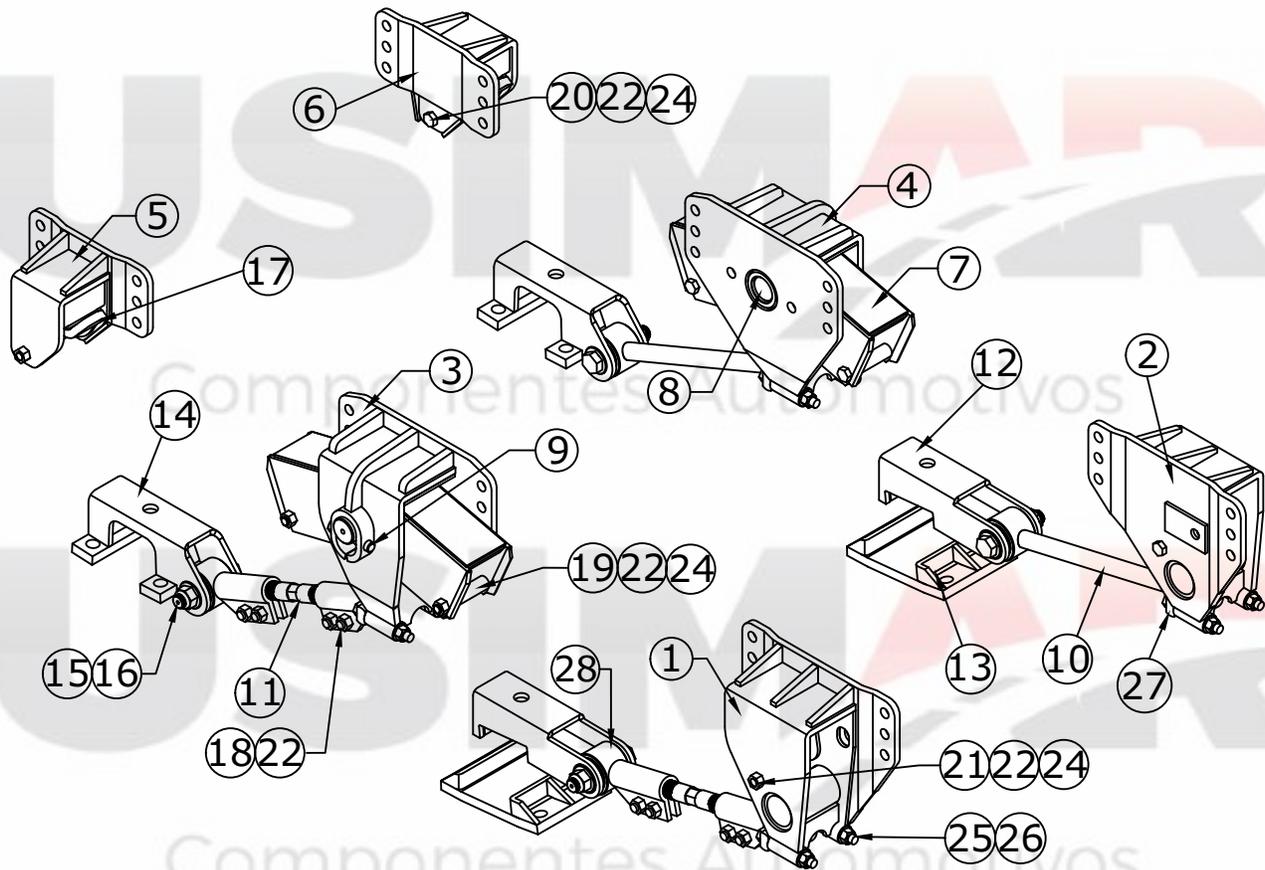
<b>N°</b>	<b>Qtd.</b>	<b>Código</b>	<b>Denominação</b>
01	01	<b>72.30</b>	Suporte dianteiro LD
02	01	<b>72.29</b>	Suporte dianteiro LE
03	02	<b>72.28</b>	Suporte central
04	01	<b>72.32</b>	Suporte traseiro LD
05	01	<b>72.31</b>	Suporte traseiro LE
06	02	<b>70.04</b>	Balança
07	02	<b>40.75</b>	Pino da balança
08	02	<b>41.18</b>	Contrapino do mancal
09	04		Paraf. sext. 5/8" x 6"
10	12		Porca 5/8"
11	08		Paraf. 5/8" x 2"
12	08	<b>41.16</b>	Pino do tensor
13	02	<b>80.50</b>	Sapata do 3° eixo
14	02	<b>60.30</b>	Tensor fixo
15	02	<b>60.29</b>	Tensor regulável
16	08	<b>50.26</b>	Porca autotravante
17	08	<b>90.63</b>	Bucha molecular
18	02	<b>82.40</b>	Sapata inferior de tração
19	02	<b>81.03</b>	Sapata superior de tração
20	04	<b>80.01</b>	Deslizante da esfrega
21	04	<b>82.04</b>	Tube da esfrega móvel



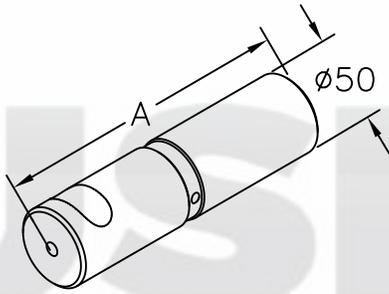
## 74.33

### Suspensão para TE em 3/4" Usimar

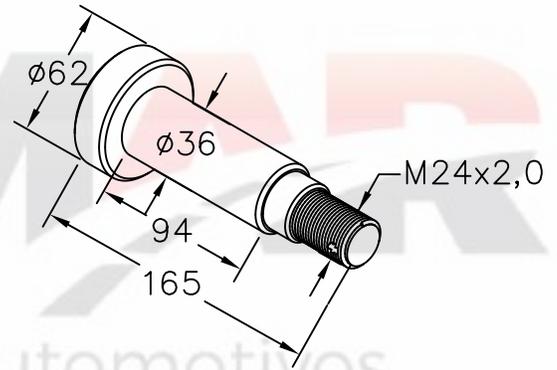
N°	Qtd.	Código	Denominação
01	02	74.22	Suporte Central
02	02	74.20	Suporte Traseiro
03	02	74.21	Suporte Dianteiro
04	02	82.52	Sapata da tração
05	02	82.51	Sapata do eixo redondo
06	02	74.19	Balança p/ pino Ø25mm
07	02	61.58	Tensor Fixo 425mm
08	02	61.59	Tensor regulável 425mm
09	04	82.53	Deslizante da Esfrega
10	08	90.11	Bucha Estabilizadora Nakata
11	02	41.14	Parafuso M24 x 160mm
12	10	50.26	Porca autotravante M24 x 2mm
13	06	41.16	Parafuso do tensor M24
14	04		Parafuso 5/8" x 5" zincado
15	04		Porca 5/8" autotravante
16	04		Parafuso M16 x 80 mm
17	04		Porca autotravante M16
18	04		Tubo Ø1" x 83mm

**76.81****Suspensão do TE Suspensys Ford Cargo 2428**

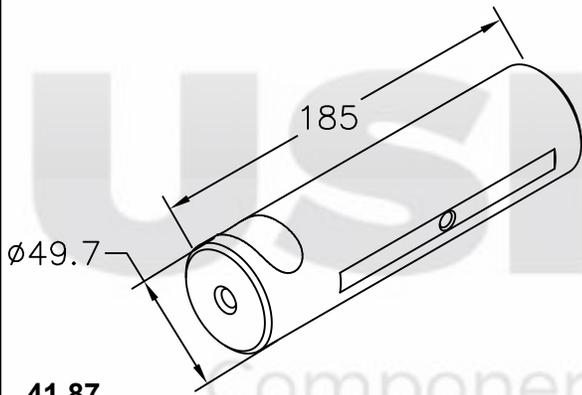
<b>N°</b>	<b>Qtd.</b>	<b>Código</b>	<b>Denominação</b>
01	01	<b>71.75</b>	Suporte dianteiro LD
02	01	<b>71.76</b>	Suporte dianteiro LE
03	01	<b>71.77</b>	Suporte central LD
04	01	<b>71.78</b>	Suporte central LE
05	01	<b>71.79</b>	Suporte traseiro LD
06	01	<b>71.80</b>	Suporte traseiro LE
07	02	<b>70.91</b>	Balança para pino Ø50mm
08	02	<b>40.77</b>	Pino da Balança Ø50mm
09	02	<b>41.18</b>	Contrapino do mancal + porca 9/16"
10	02	<b>60.42</b>	Tensor fixo 480mm
11	02	<b>60.43</b>	Tensor regulável 480mm
12	02	<b>81.02</b>	Sapata Superior da Tração
13	02	<b>82.40</b>	Sapata Inferior da Tração
14	02	<b>80.51</b>	Sapata Superior eixo quadrado
15	04	<b>41.16</b>	Pino do Tensor
16	04	<b>50.26</b>	Porca do pino do tensor
17	04	<b>80.12</b>	Esfrega móvel
18	08		Parafuso sextavado 5/8" x 2"
19	04		Parafuso sextavado 5/8" x 5"
20	02		Parafuso sextavado 5/8" x 5.1/2"
21	02		Parafuso sextavado 5/8" x 6"
22	16		Porca 5/8"
24	04	<b>82.04</b>	Tubo
25	08		Parafuso M16 x 120mm 8.8
26	08		Porca M16
27	04	<b>91.26</b>	Bucha molecular com pino
28	04	<b>91.27</b>	Bucha molecular sem pino



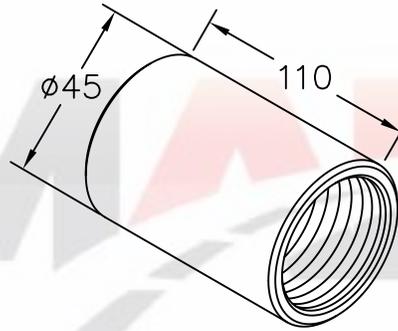
Pino da balança  
**40.77** - A = 188mm (TE)  
**40.97** - A = 178mm (TE LS)  
**40.98** - A = 183mm (TE LS)  
**41.01** - A = 192mm (TE)



**41.84**  
 Pino do tensor TE

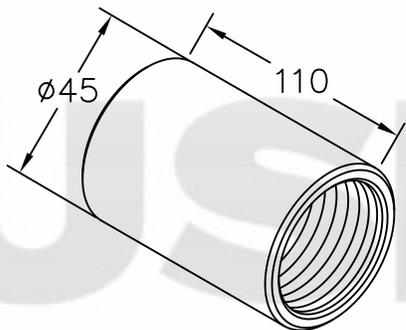


**41.87**  
 Pino da balança do TE do suporte fundido

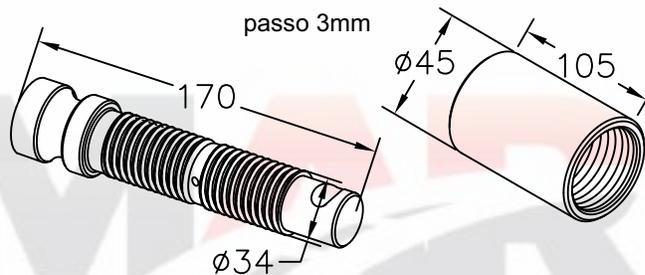


Bucha do olhal da mola onibus volvo B58  
**51.41** - Cementado  
**51.42** - Comum

# VOLVO

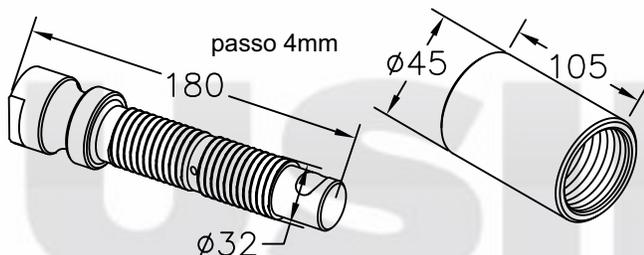


Bucha do olhal da mola onibus volvo B58  
**51.41** - Cementado  
**51.42** - Comum



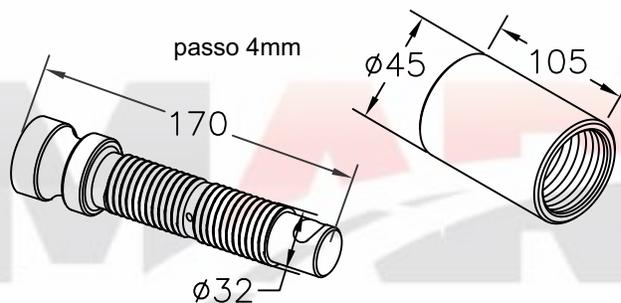
Olhal da mola NL 12 rosca fina

PINO	BUCHA
<b>41.89</b> - Cementado	<b>51.28</b> - Cementado
<b>42.32</b> - Comum	<b>51.40</b> - Comum



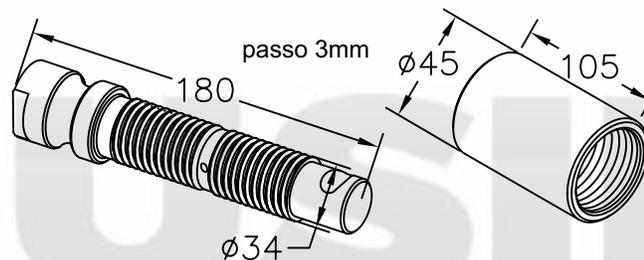
Olhal da mola adaptado cabeça chave rosca grossa

PINO	BUCHA
<b>41.91</b> - Cementado	<b>51.24</b> - Cementado
<b>42.33</b> - Comum	<b>51.30</b> - Comum



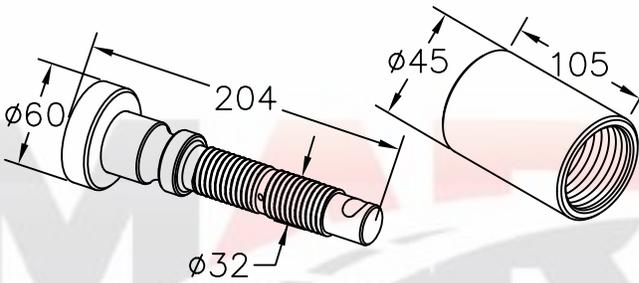
Pino do olhal da mola NH rosca grossa

PINO	BUCHA
<b>41.93</b> - Cementado	<b>51.24</b> - Cementado
<b>42.31</b> - Comum	<b>51.30</b> - Comum



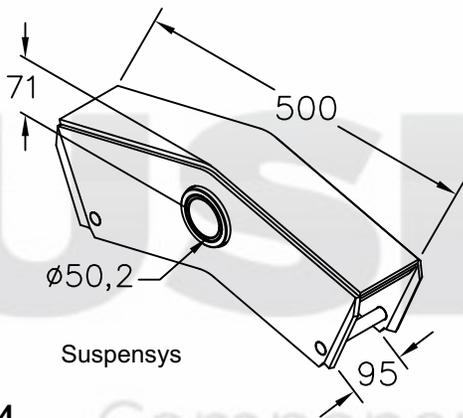
Olhal da mola adaptado cabeça chave rosca fina

PINO	BUCHA
<b>42.08</b> - Cementado	<b>51.28</b> - Cementado
<b>42.34</b> - Comum	<b>51.40</b> - Comum

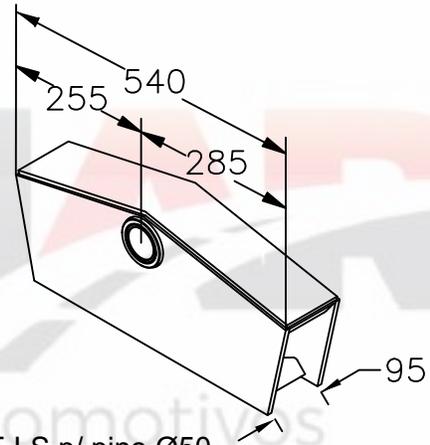


Olhal da mola adaptado cabeça chave rosca grossa

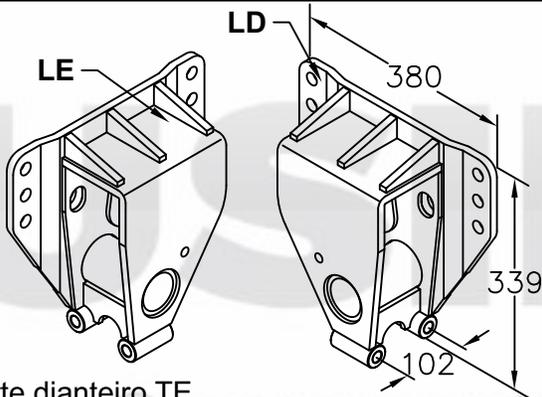
PINO	BUCHA
<b>42.35</b> - Cementado	<b>51.24</b> - Cementado
<b>42.36</b> - Comum	<b>51.30</b> - Comum



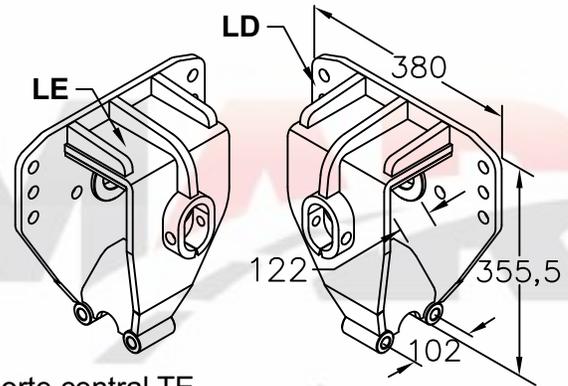
**70.04**  
Balança do TE LS p/ pino  $\phi 50$ mm



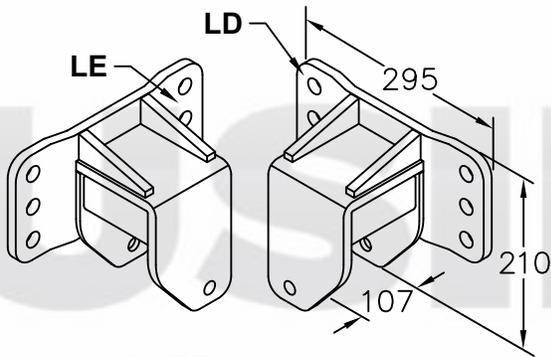
**70.13**  
Balança TE LS p/ pino  $\phi 50$



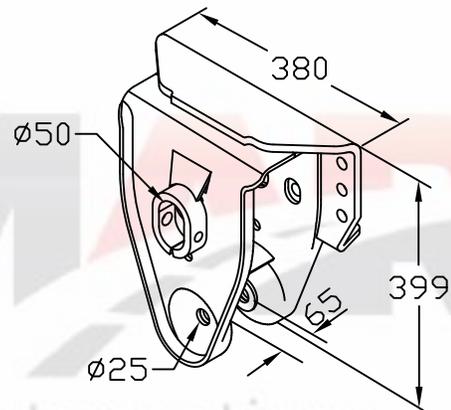
Suporte dianteiro TE  
**71.75 - LD**  
**71.76 - LE**



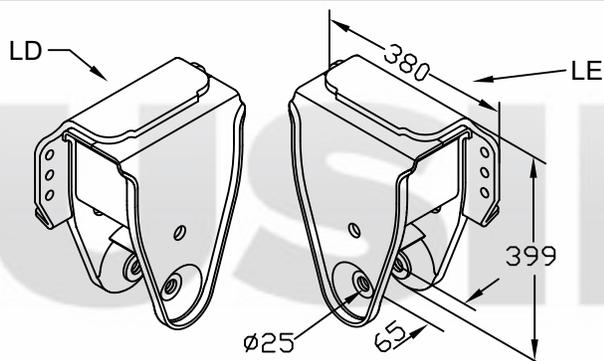
Suporte central TE  
**71.77 - LD**  
**71.78 - LE**



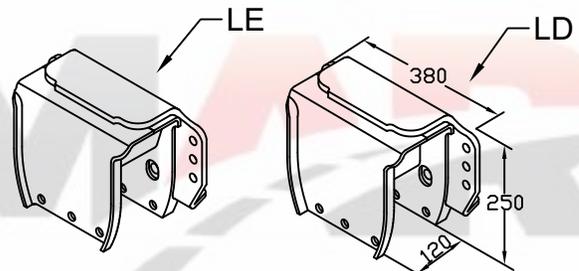
Suporte traseiro TE  
**71.79 - LD**  
**71.80 - LE**



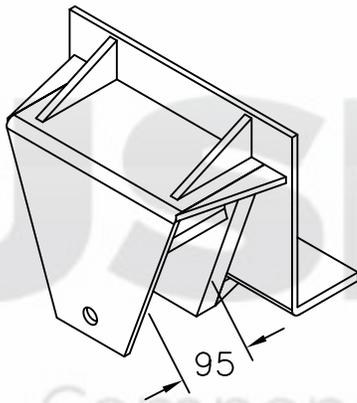
**72.15**  
Suporte central do TE LS suspensys



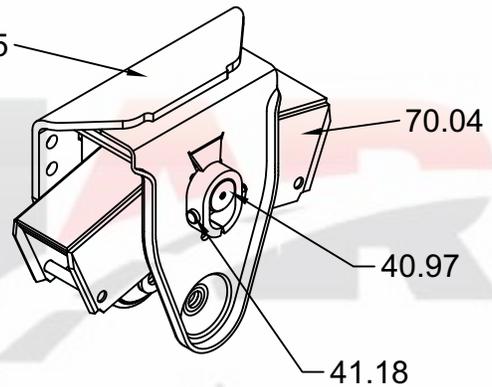
Suporte dianteiro do TE LS Suspensys  
**72.16 - LE**  
**72.17 - LD**



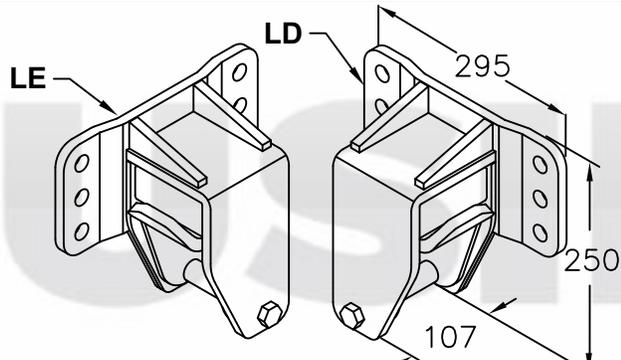
Suporte traseiro do TE LS Suspensys  
**72.18 - LE**  
**72.19 - LD**



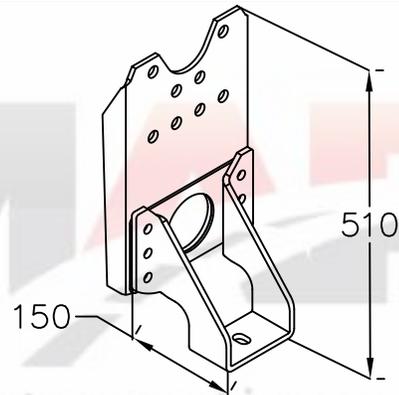
**74.01**  
Suporte traseiro/dianteiro do TE do Volvo LS



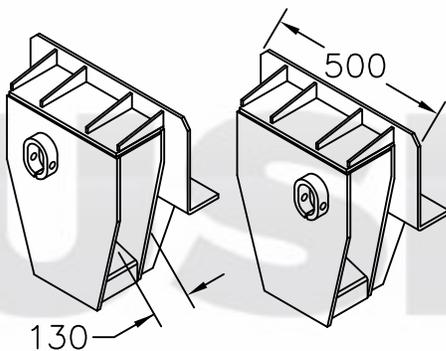
**74.24**  
Kit central do TE



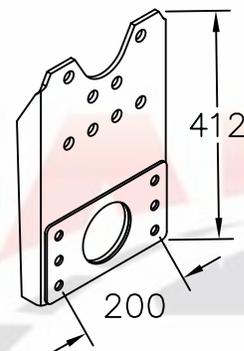
Suporte traseiro TE longo +40mm c/ deslizante  
**74.68 - LD**  
**74.67 - LE**



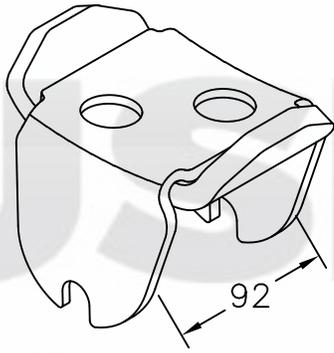
**76.22**  
Conj. do suporte p/ rebaixo do suspensor pneumático do TE Volvo FH traçado 2012



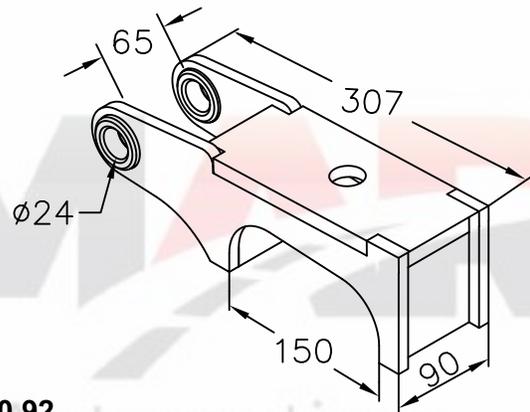
Suporte Central do Volvo LS p/ pino Ø50mm  
**76.38 - LD**  
**76.37 - LE**



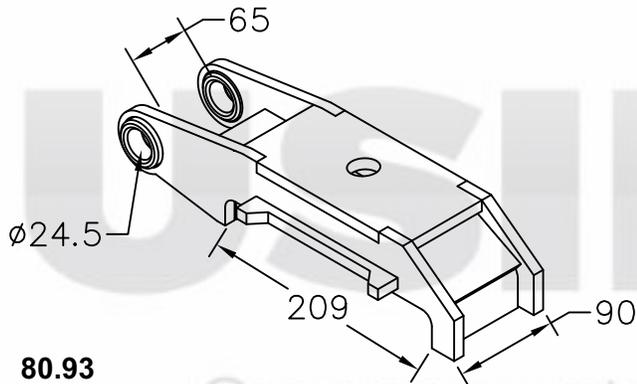
**76.39**  
"U" de fixação no chassi do suporte do rebaixo suspensor Volvo TE FH traçado 2012



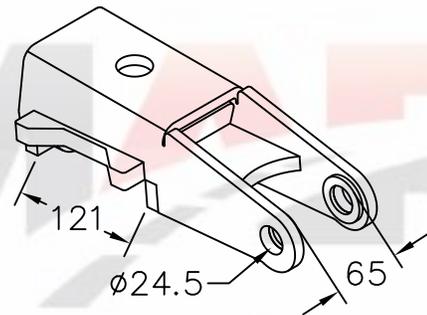
**80.15**  
Esfrega móvel do TE suportes fundidos



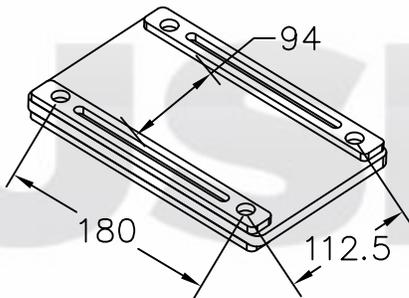
**80.92**  
Sapata superior do eixo de tração do TE LS



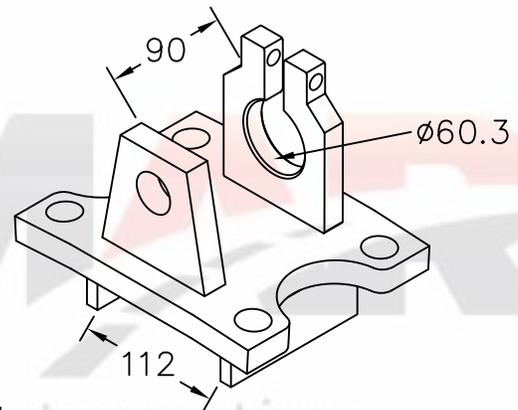
**80.93**  
Sapata superior tração da suspensão TE fundida Volvo OEMP/FH (81000159)



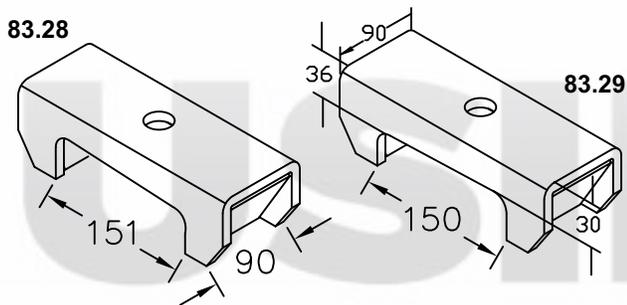
**80.94**  
Sapata superior tração do TE (81000986)



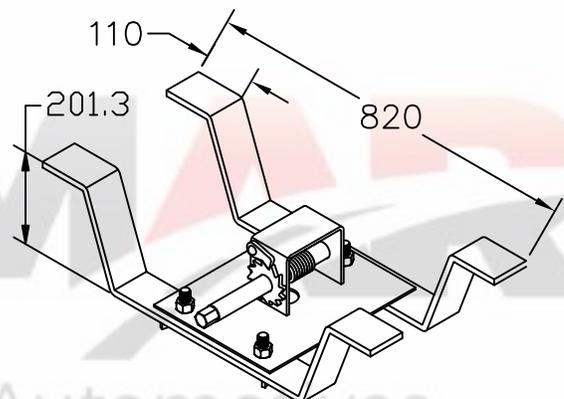
**82.70**  
Sapata do volvo traçado



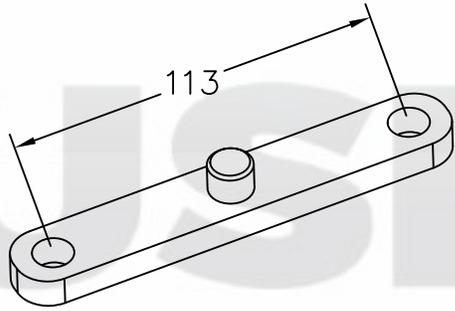
**83.04**  
Sapata inferior traseira do Volvo LS



Sapata superior dianteira do Volvo LS  
**83.28** - Reta  
**83.29** - Inclinação



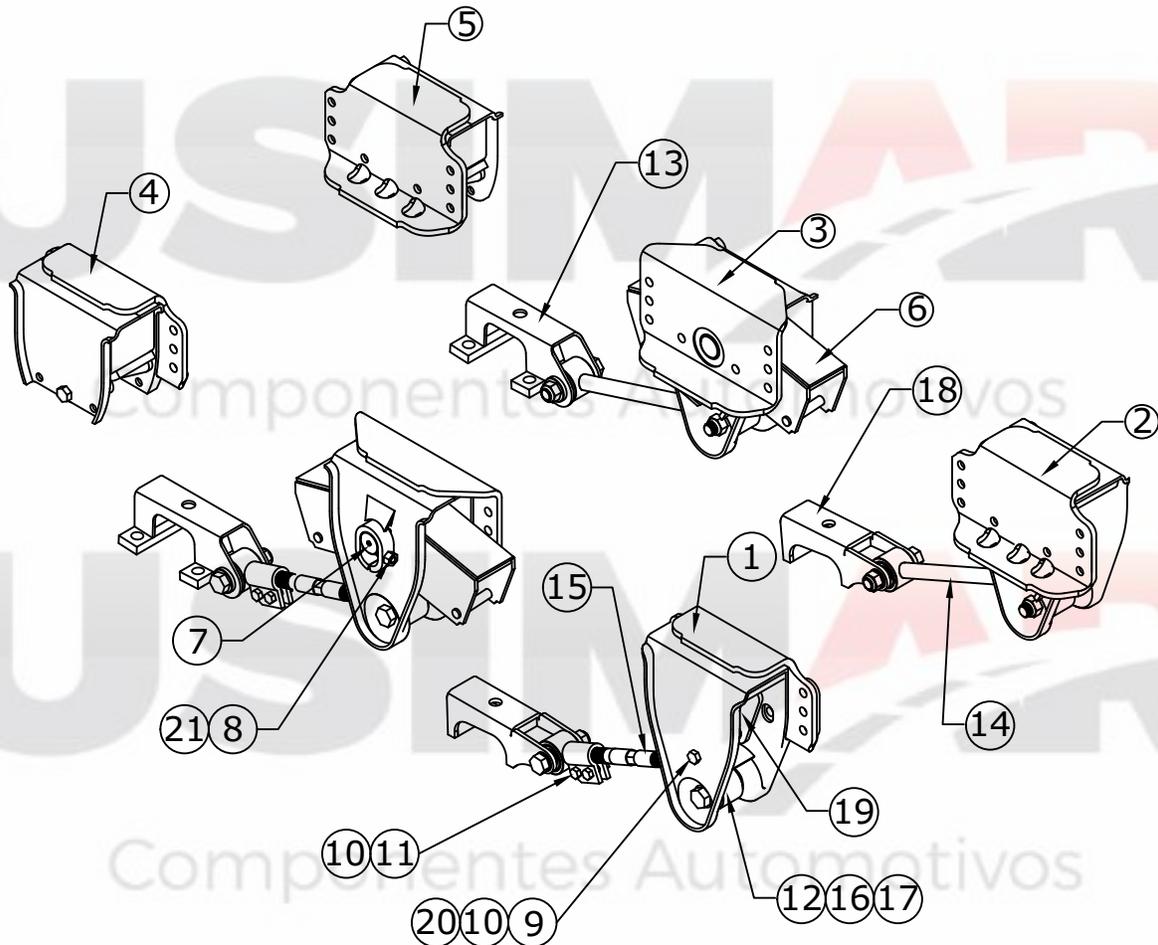
**92.23**  
Porta estepe do cavalo Volvo VM



**92.41**

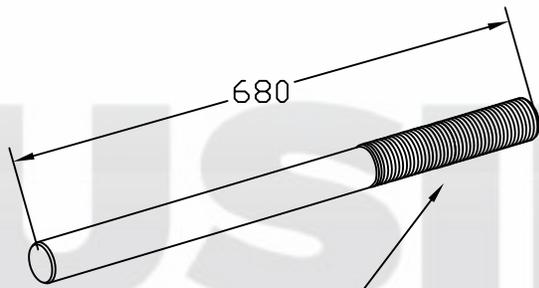
Chapa de fixação do molejo do FH



**76.87****Suspensão Terceiro Eixo LS Suspensys**

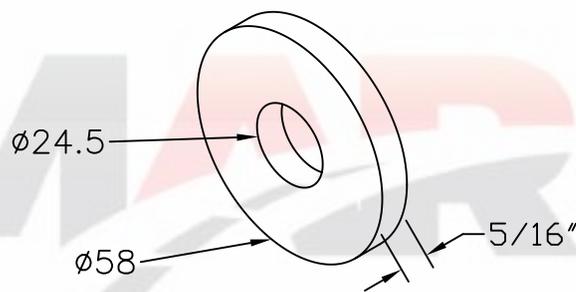
N°	Qtd.	Código	Denominação
01	01	72.17	Suporte dianteiro LD
02	01	72.16	Suporte dianteiro LE
03	02	72.15	Suporte central
04	01	72.19	Suporte traseiro LD
05	01	72.18	Suporte traseiro LE
06	02	70.04	Balança
07	02	40.97	Pino da balança
08	02	41.18	Contrapino do mancal
09	04		Paraf. sext. 5/8" x 6"
10	12		Porca 5/8"
11	08		Paraf. 5/8" x 2"
12	08	41.16	Pino do tensor
13	02	80.51	Sapata do 3° eixo retângular
14	02	60.30	Tensor fixo 480mm
15	02	60.29	Tensor regulável 480mm
16	08	50.26	Porca autotravante
17	08	90.63	Bucha molecular
18	02	80.92	Sapata superior tração volvo
19	04	80.01	Deslizante da esfrega
20	04	82.04	Tubo da esfrega móvel

# SUSPENSORES

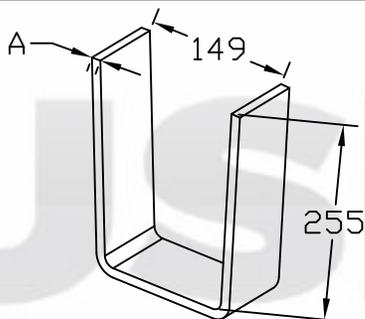


Rosca direita 7/8" x 14fpp

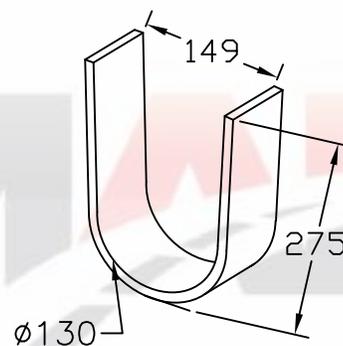
**30.63**  
Guia do suspensor



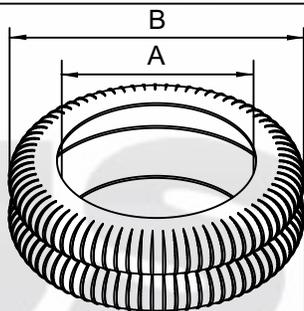
**30.75**  
Arruela guia do suspensor



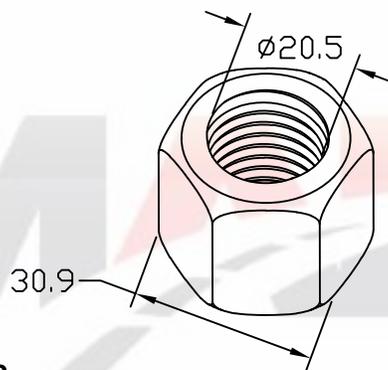
Cinta para o suspensor pneumático quadrado  
**82.55** - A = 3/8" (9,5mm)  
**82.79** - A = 5/16" (8mm)



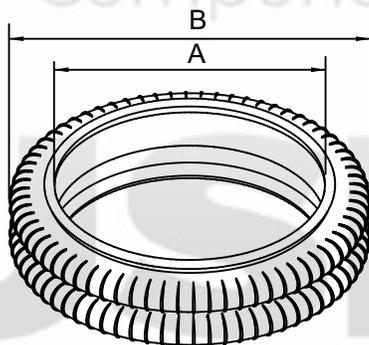
**82.64**  
Cinta para o suspensor pneumático eixo redondo



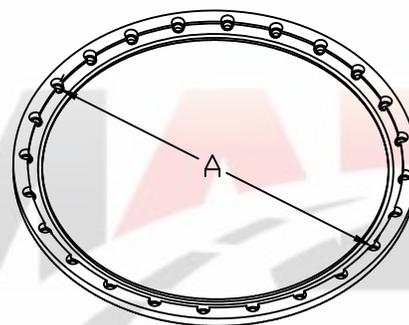
Bolsa de encaixe do suspensor pneumático  
**90.10** - Pequena A = Ø334mm B = Ø525mm  
**90.09** - Grande A = Ø379mm B = Ø545mm  
**93.54** - Grande e Larga A = Ø380mm B = Ø555mm



**90.13**  
Porca sextavada dupla 7/8"

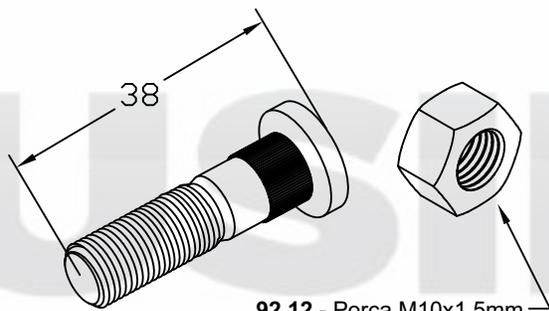


Bolsa do suspensor pneumático para fixação de parafusos  
**90.21** - Pequena A = Ø332mm B = Ø490mm  
**90.65** - Grande A = Ø426mm B = Ø540mm



Anel de alumínio do suspensor pneumático  
**90.22** - Grande A = Ø484mm  
**90.23** - Pequeno A = Ø420mm

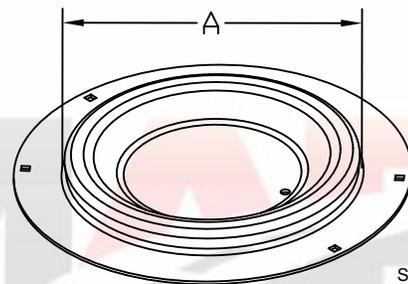
# SUSPENSORES



92.12 - Porca M10x1,5mm

**90.24**

Parafuso recartilhado M10x1,5 para o suspensor



Superior : S/ furo  
Inferior : C/ furo

Prato do suspensor pneumático de encaixe

**GRANDE** - A = Ø378

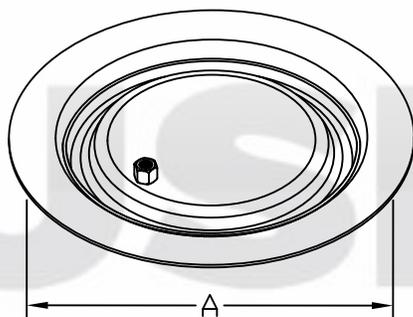
**PEQUENO** - A = Ø334

**90.30** - Superior

**90.32** - Superior

**90.29** - Inferior

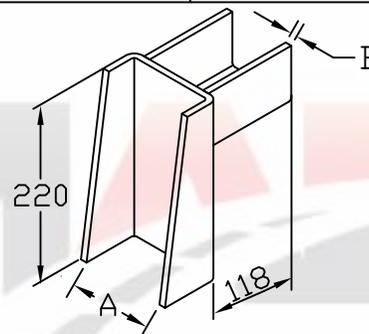
**90.33** - Inferior



Prato do suspensor de encaixe inferior com porca

**90.31** - Grande A = Ø378mm

**91.32** - Pequeno A = Ø334mm

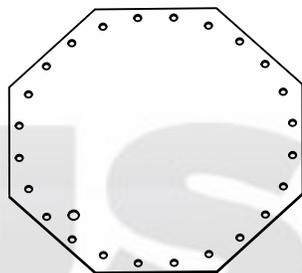


Conjunto de rebaixo suspensor pneumático

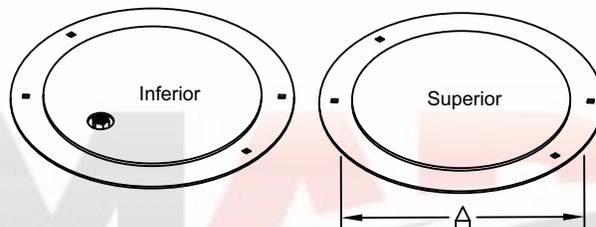
**90.52** - A = 104mm B = 5/16"

**90.64** - A = 104mm B = 3/8"

**92.56** - A = 116mm B = 3/8"



Prato do suspensor pneumático parafuso



Prato do suspensor pneumático de encaixe com reforço e com porca

**BOLSA GRANDE**

**BOLSA PEQUENA**

**GRANDE** - A = Ø378

**PEQUENO** - A = Ø334

**90.71** - Superior

**93.59** - Superior

**92.10** - Superior

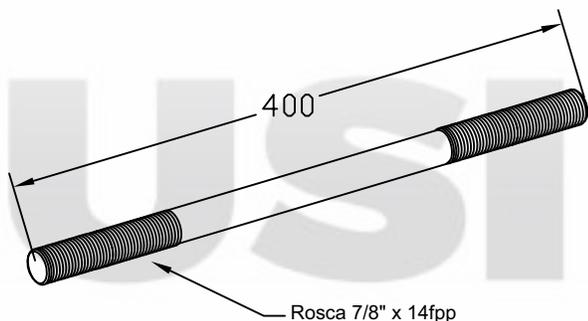
**92.02** - Superior

**90.70** - Inferior

**93.58** - Inferior

**92.11** - Inferior

**92.06** - Inferior



Rosca 7/8" x 14fpp

**91.68**

Limitador do suspensor

Grampo de suspensor para eixo retangular

**93.40** - A = 550mm

**93.41** - A = 600mm

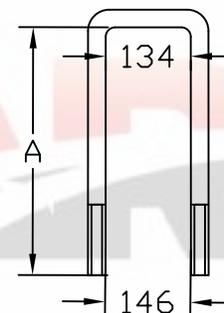
**92.16** - A = 650mm

**92.30** - A = 700mm

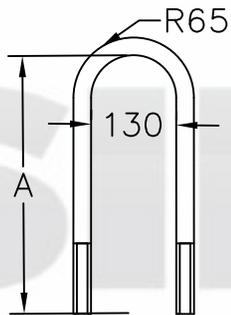
**92.17** - A = 750mm

**92.31** - A = 800mm

**93.42** - A = 850mm



# SUSPENSORES



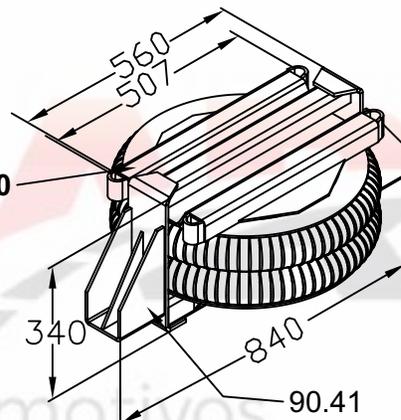
Grampo para eixo redondo

- 92.45 - A = 550mm
- 92.47 - A = 600mm
- 92.46 - A = 650mm
- 92.48 - A = 700mm
- 93.43 - A = 750mm
- 93.44 - A = 800mm
- 93.45 - A = 850mm

Bolsa pequena

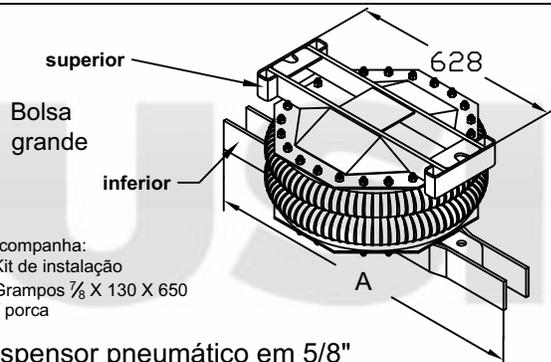
90.40

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca



90.39

Suspensor de encaixe do TE LS



Bolsa grande

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

Suspensor pneumático em 5/8"

90.67 - A = 1000mm (SR)

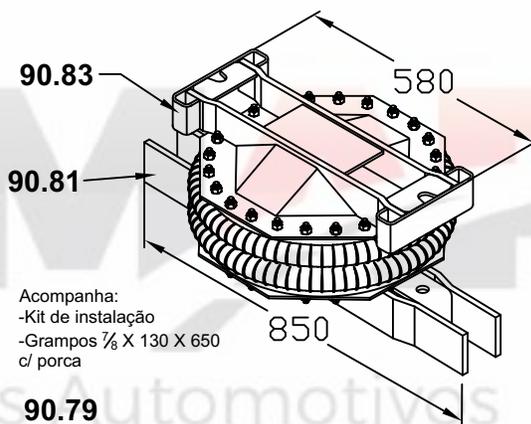
90.69 - A = 850mm (TE)

Base superior - 90.75

Base superior - 90.75

Base inferior - 90.73

Base inferior - 90.77



90.83

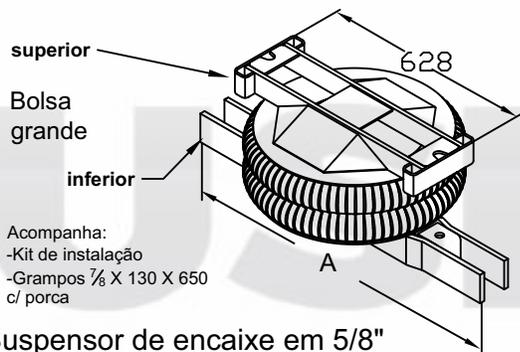
90.81

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

Bolsa pequena

90.79

Suspensor pneumático bolsa pequena do TE



Bolsa grande

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

Suspensor de encaixe em 5/8"

90.84 - A = 1000mm (SR)

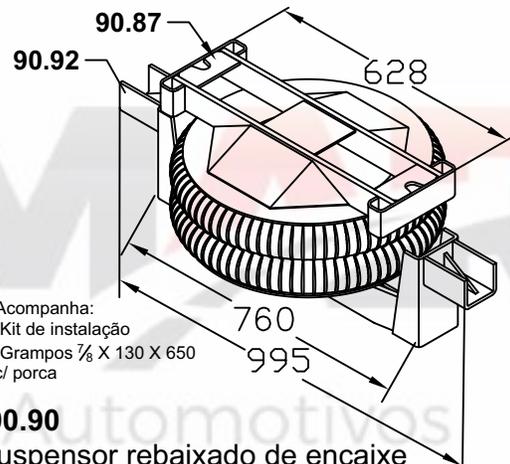
90.85 - A = 850mm (TE)

Base superior - 90.87

Base superior - 90.87

Base inferior - 90.86

Base inferior - 90.88



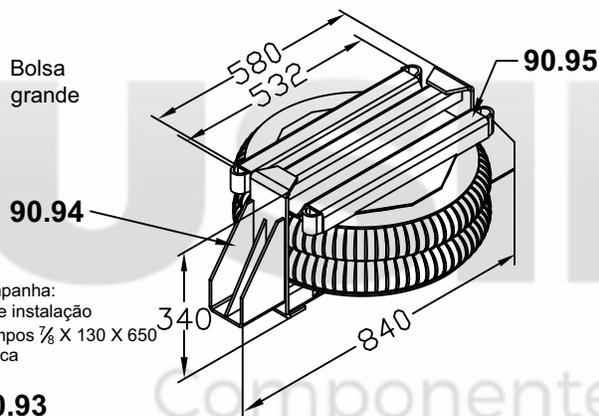
90.92

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

Bolsa grande

90.90

Suspensor rebaixado de encaixe

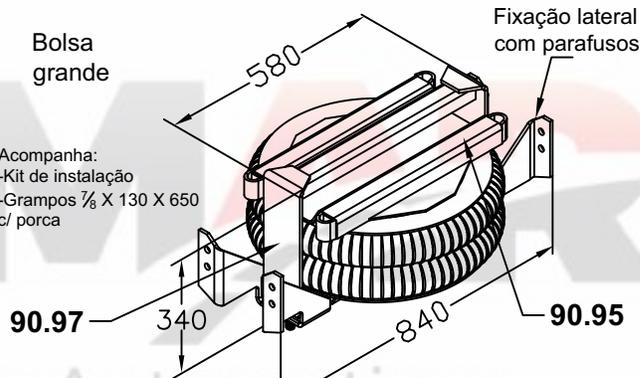


Bolsa grande

Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

90.93

Suspensor de encaixe do TE LS



Bolsa grande

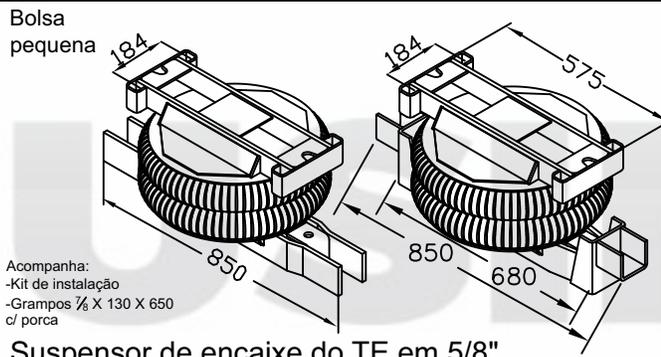
Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

90.97

90.96

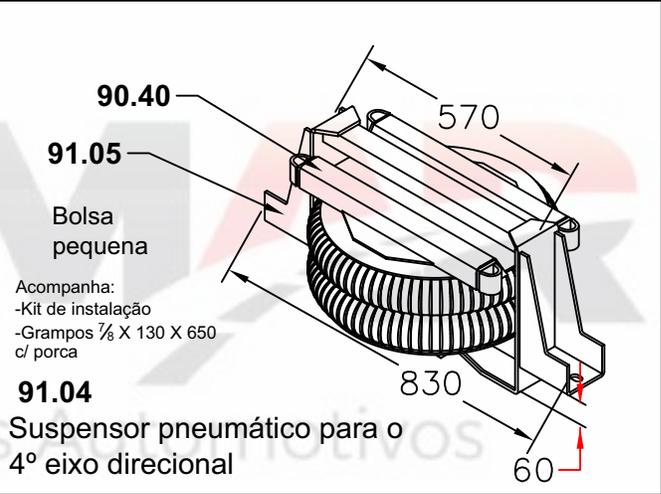
Suspensor de encaixe do TE LS

# SUSPENSORES

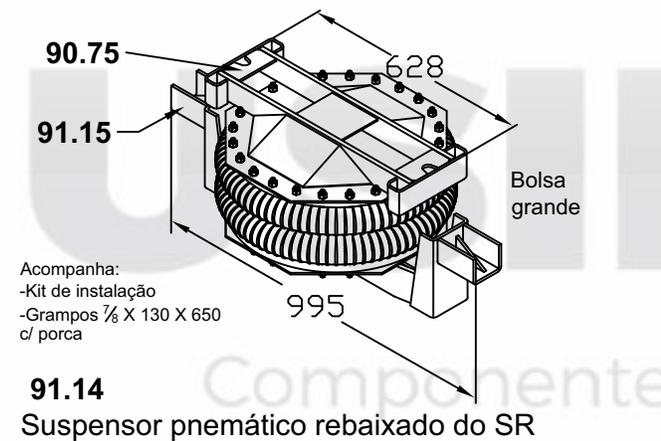


Suspensor de encaixe do TE em 5/8"

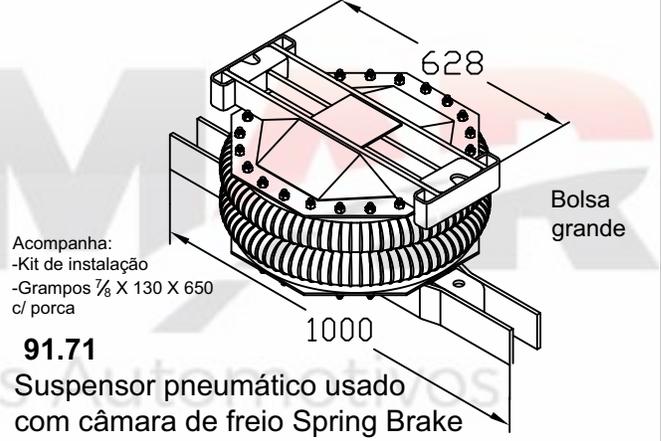
90.99 - Comum	91.08 - Rebaixado
Base superior - 91.03	Base superior - 91.03
Base inferior - 91.01	Base inferior - 91.09



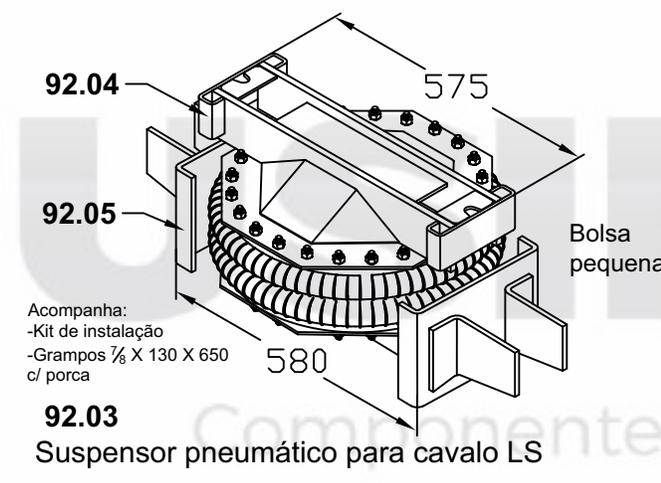
91.04  
Suspensor pneumático para o 4º eixo direcional



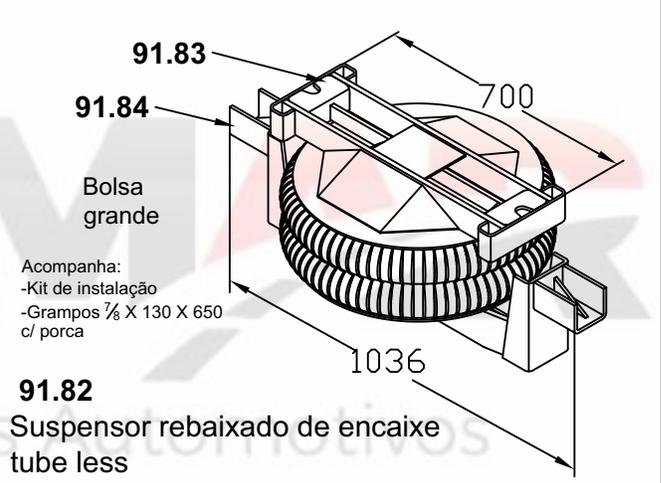
91.14  
Suspensor pneumático rebaixado do SR



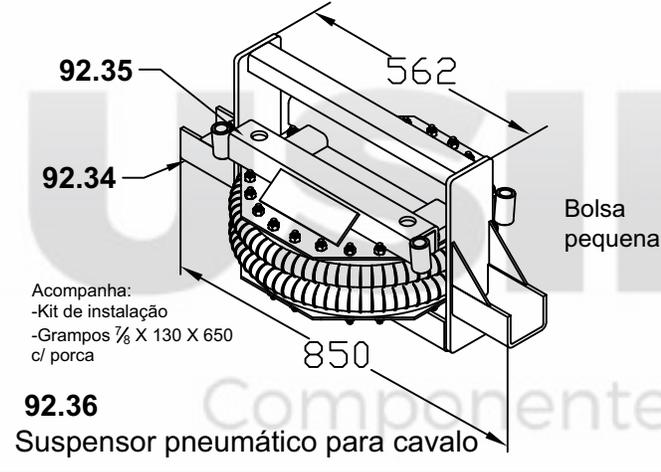
91.71  
Suspensor pneumático usado com câmara de freio Spring Brake



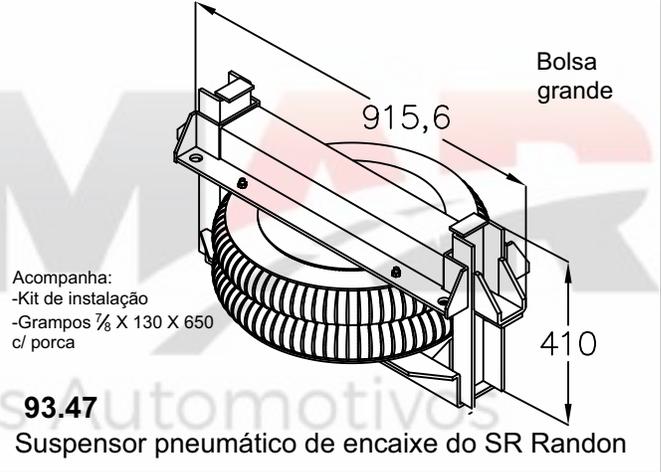
92.03  
Suspensor pneumático para cavalo LS



91.82  
Suspensor rebaixado de encaixe tube less

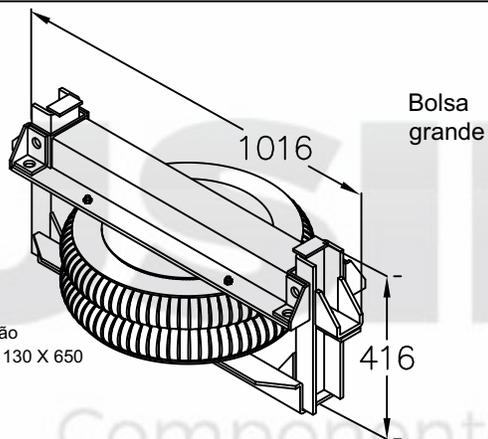


92.36  
Suspensor pneumático para cavalo



93.47  
Suspensor pneumático de encaixe do SR Randon

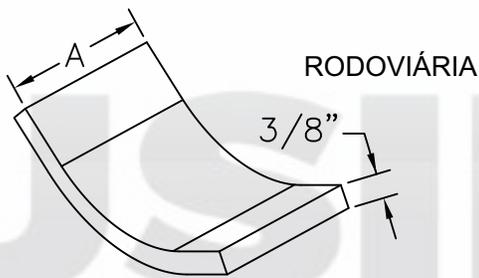
# SUSPENSORES



Acompanha:  
-Kit de instalação  
-Grampos  $\frac{7}{8}$  X 130 X 650  
c/ porca

**93.57**  
Suspensor pneumático de encaixe do SR Randon

# ESFREGAS

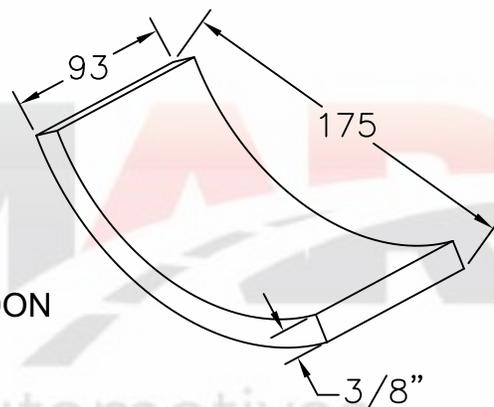


RODOVIÁRIA

Esfrega para balança

71.01 - A = 92mm

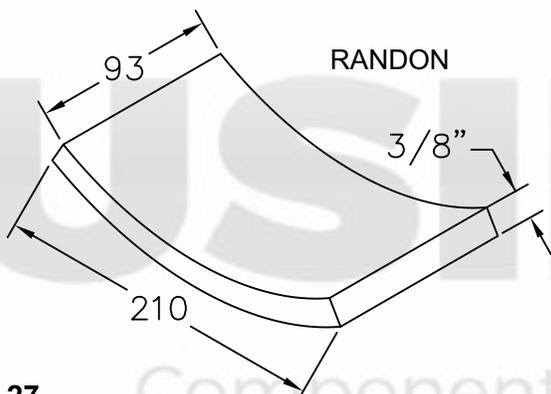
72.26 - A = 82mm



RANDON

71.02

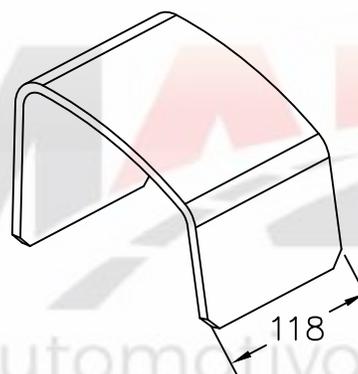
Esfrega para balança do SR



RANDON

72.27

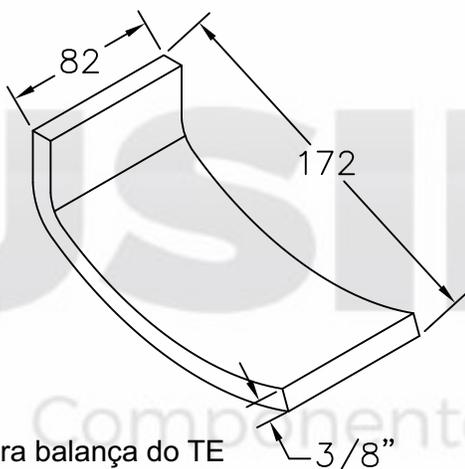
Esfrega para suporte tras/diant Randon



RANDON

72.72

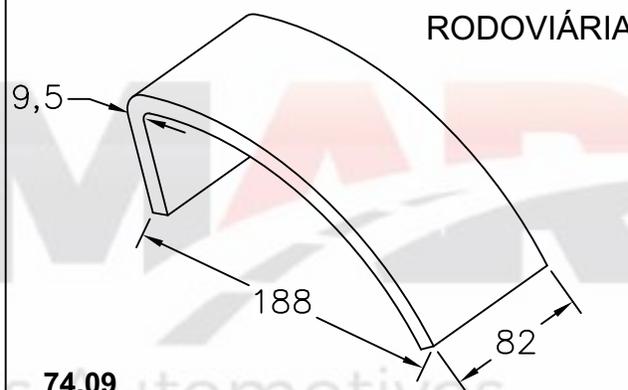
Esfrega do suporte SR Randon 2000



RANDON

72.97

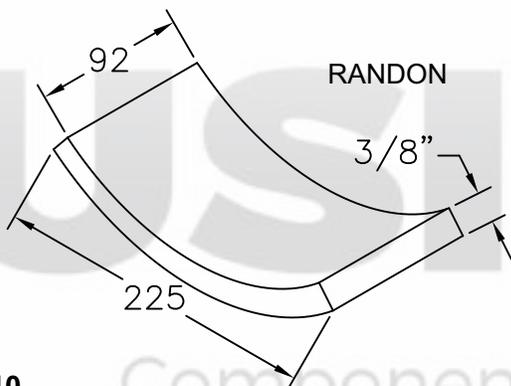
Esfrega para balança do TE



RODOVIÁRIA

74.09

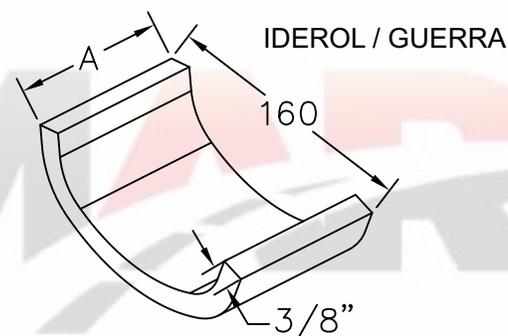
Esfrega do suporte dianteiro do TE rodoviária



RANDON

74.10

Esfrega superior do suporte do TE Randon



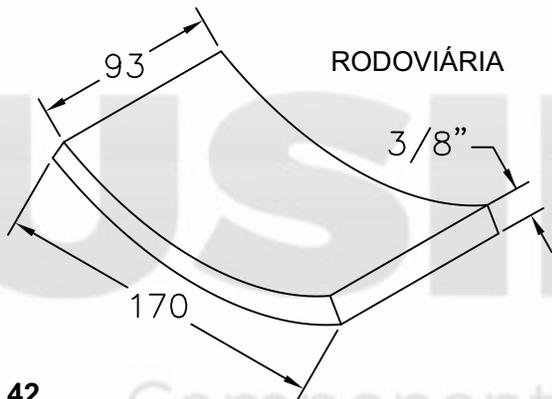
IDEROL / GUERRA

Esfrega para balança

74.41 - A = 82mm TE

72.43 - A = 92mm SR

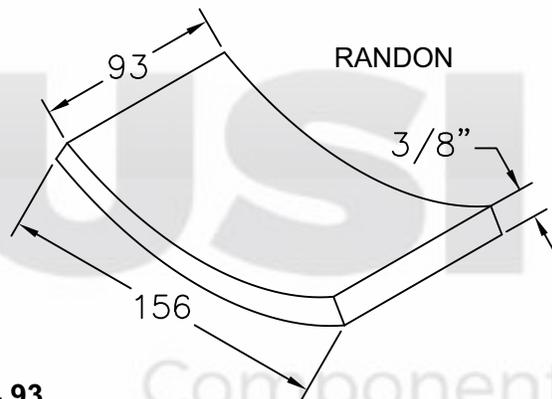
# ESFREGAS



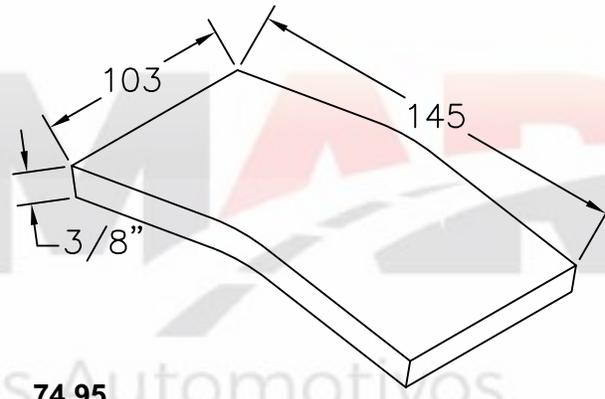
**74.42**  
Esfrega para balança do SR



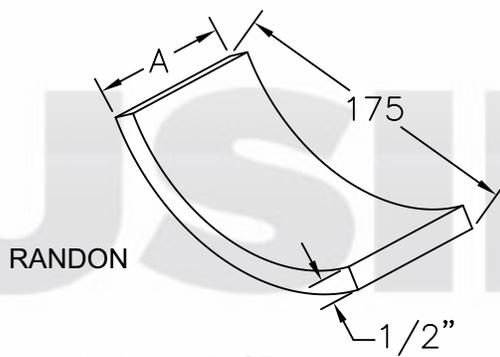
**74.51**  
Esfrega para balança do SR



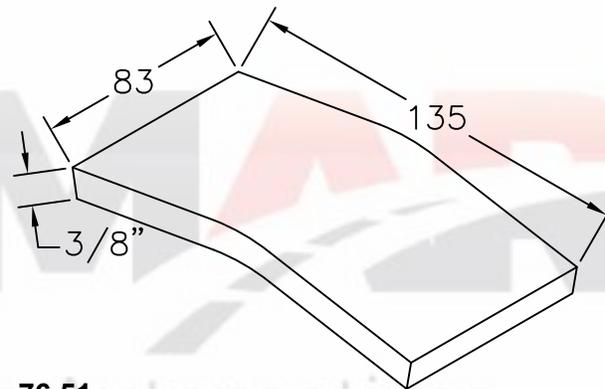
**74.93**  
Esfrega para suporte do SR traseiro



**74.95**  
Esfrega para balança do TE Suspensys

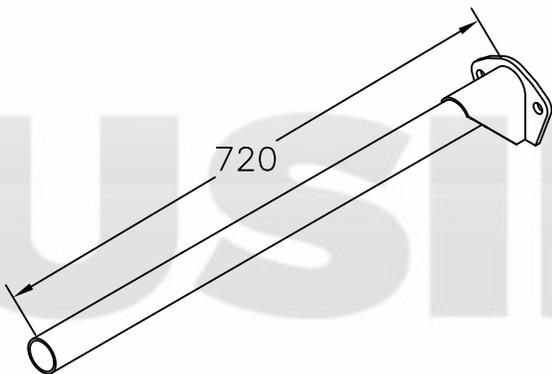


Esfrega para balança do SR  
**75.11** - A = 92mm  
**75.12** - A = 82mm

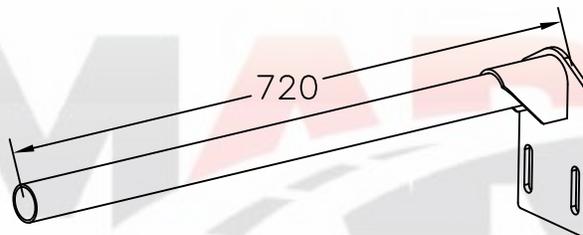


**76.51**  
Esfrega para balança do TE MB1620 Suspensys

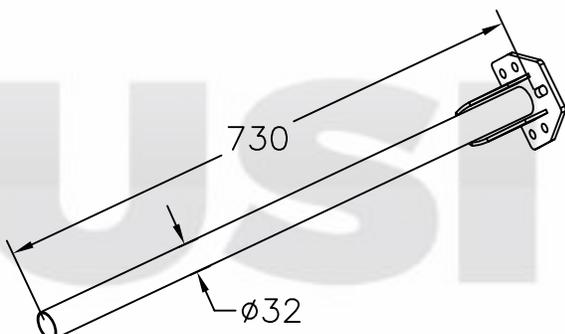
# SUPORE DE PARALAMA



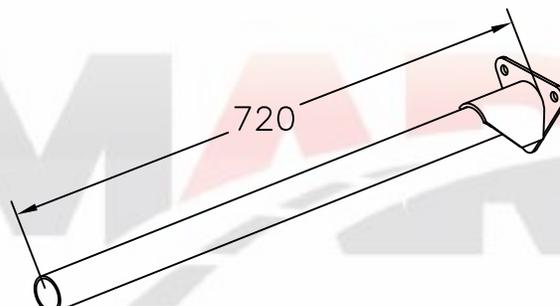
**21.65**  
Suporte do paralamo de plástico RANDON



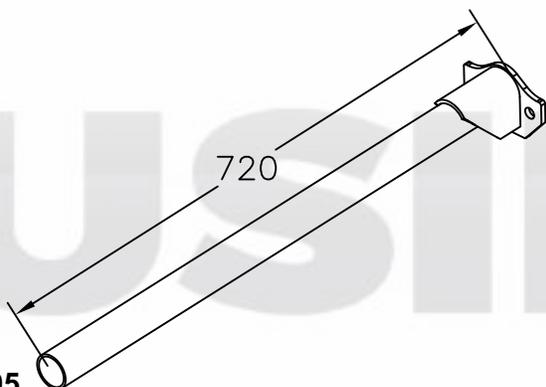
**23.42**  
Suporte do paralamo do 4º eixo



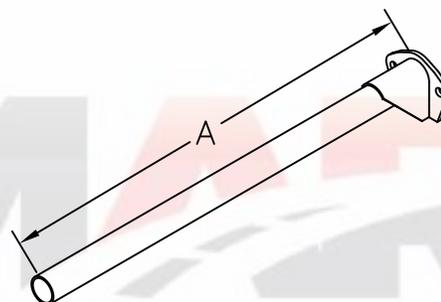
**23.45**  
Suporte do paralamo do TE 3/4"



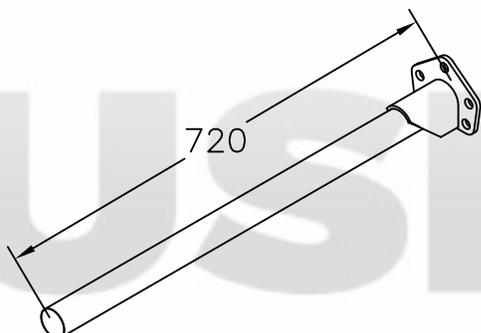
**24.87**  
Suporte do paralamo FACCHINI



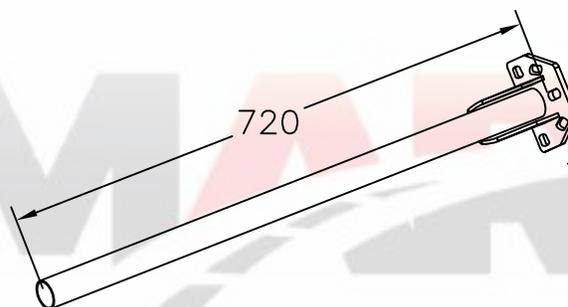
**24.95**  
Suporte do paralamo de plástico modelo 3  
furos GUERRA



Suporte do paralamo de plástico especiais  
**25.17** - A = 800mm  
**25.21** - A = 660mm  
**25.22** - A = 745mm

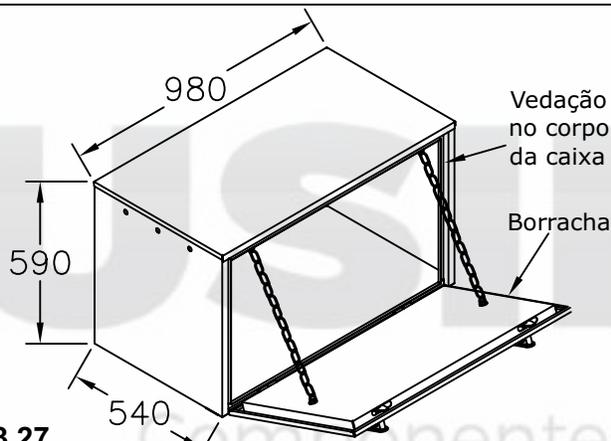


**91.90**  
Suporte do paralamo de plástico modelo 5  
furos GUERRA

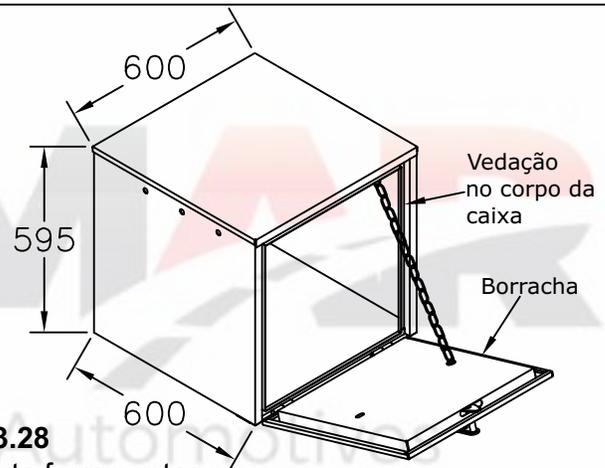


**26.14**  
Suporte do paralamo universal

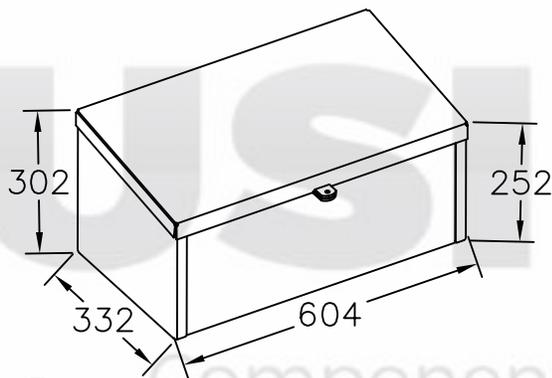
# CAIXAS



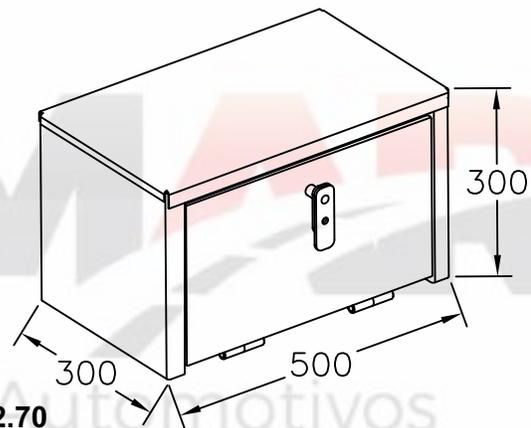
**23.27**  
Caixa de mantimentos



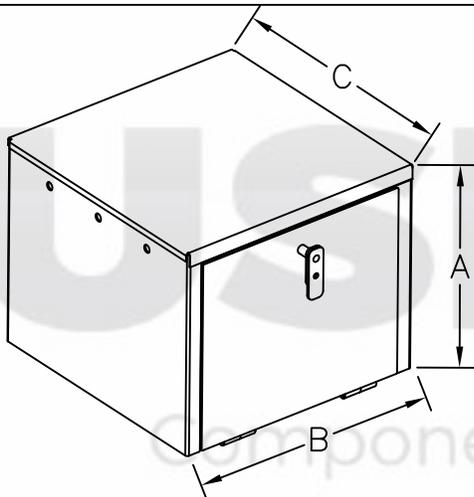
**23.28**  
Porta ferramentas



**23.47**  
Caixa de ferramentas sobre chassi

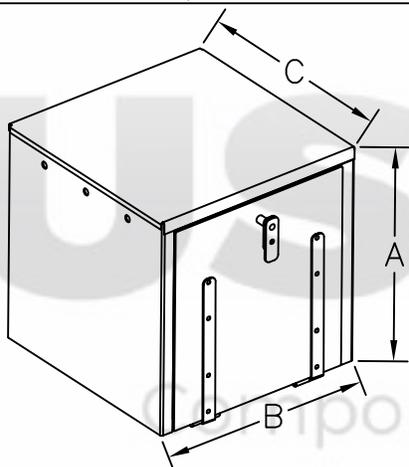


**22.70**  
Caixa de ferramentas da basculante



Caixa de ferramentas para o furgão

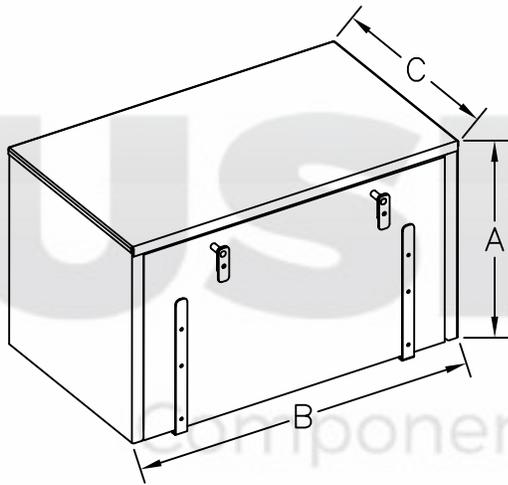
CÓD.	ALTURA	COMPRIMENTO	PROFUNDIDADE
<b>22.67</b>	A = 300mm	B = 300mm	C = 300mm
<b>22.69</b>	A = 300mm	B = 500mm	C = 500mm
<b>22.97</b>	A = 400mm	B = 470mm	C = 510mm



Caixa de ferramentas para o semi-reboque

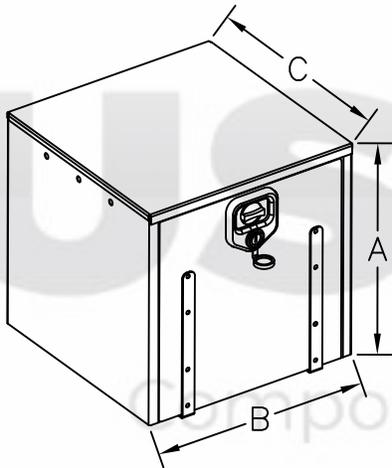
CÓD.	ALTURA	COMPRIMENTO	PROFUNDIDADE
<b>22.61</b>	A = 500mm	B = 600mm	C = 600mm
<b>22.62</b>	A = 600mm	B = 535mm	C = 600mm
<b>22.64</b>	A = 500mm	B = 500mm	C = 500mm
<b>22.65</b>	A = 500mm	B = 620mm	C = 600mm
<b>22.66</b>	A = 600mm	B = 600mm	C = 600mm

# CAIXAS



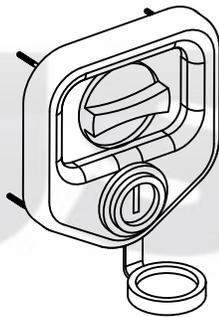
Caixa de ferramentas para o semi-reboque

CÓD.	ALTURA	COMPRIMENTO	PROFUNDIDADE
23.48	A = 590mm	B = 1500mm	C = 540mm
22.59	A = 600mm	B = 900mm	C = 600mm
22.60	A = 600mm	B = 1000mm	C = 600mm
22.63	A = 600mm	B = 1140mm	C = 600mm
24.77	A = 500mm	B = 1200mm	C = 500mm

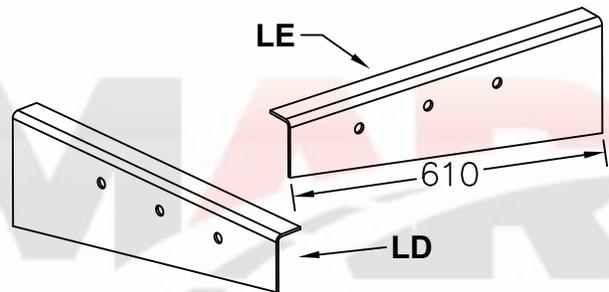


Caixa de ferramentas p/ o SR com fechadura plástica

CÓD.	ALTURA	COMPRIMENTO	PROFUNDIDADE
22.72	A = 300mm	B = 500mm	C = 500mm
22.73	A = 600mm	B = 535mm	C = 600mm
22.74	A = 500mm	B = 600mm	C = 600mm
22.75	A = 600mm	B = 600mm	C = 600mm
22.76	A = 500mm	B = 500mm	C = 500mm
22.77	A = 600mm	B = 900mm	C = 600mm
22.78	A = 600mm	B = 1000mm	C = 600mm
22.79	A = 600mm	B = 1140mm	C = 600mm
22.80	A = 500mm	B = 620mm	C = 600mm
22.81	A = 300mm	B = 300mm	C = 300mm
24.76	A = 390mm	B = 290mm	C = 465mm

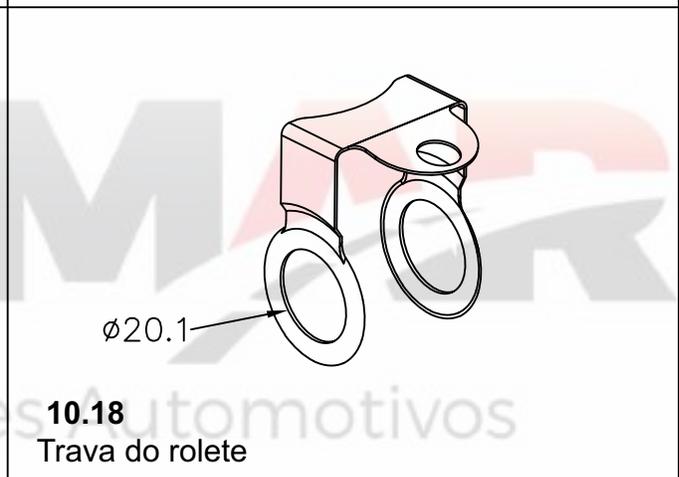
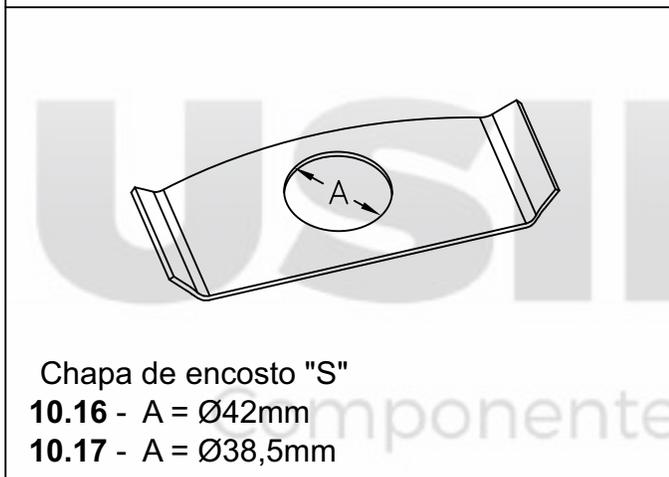
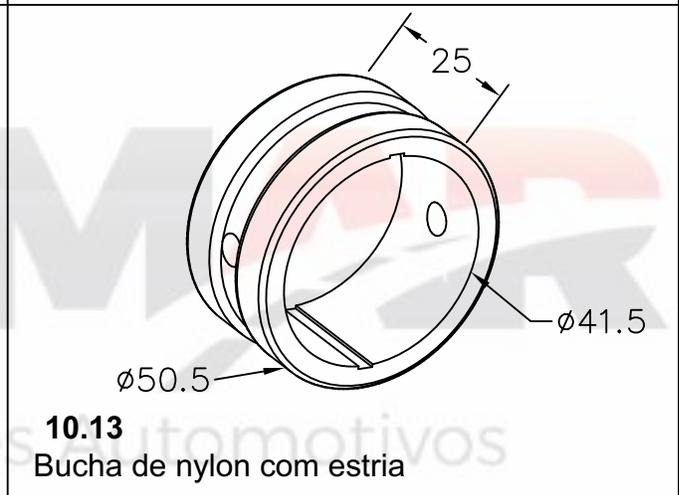
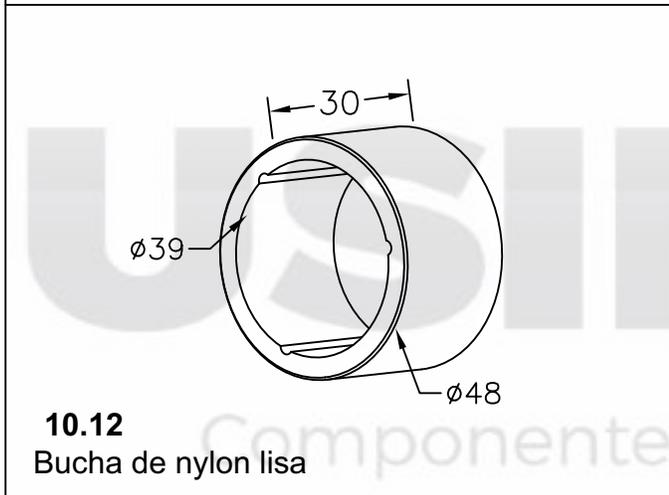
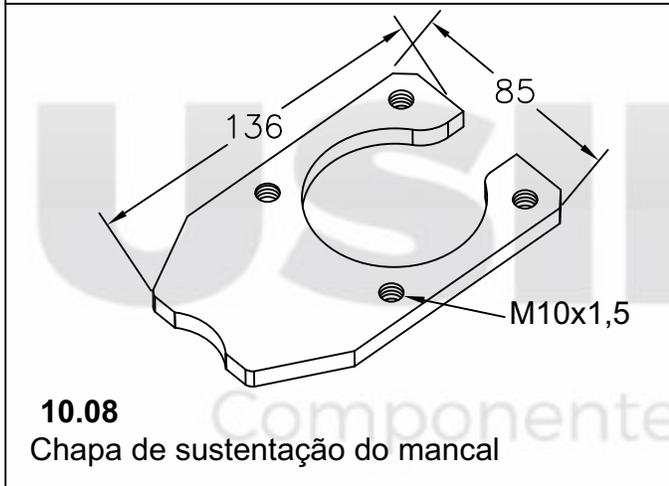
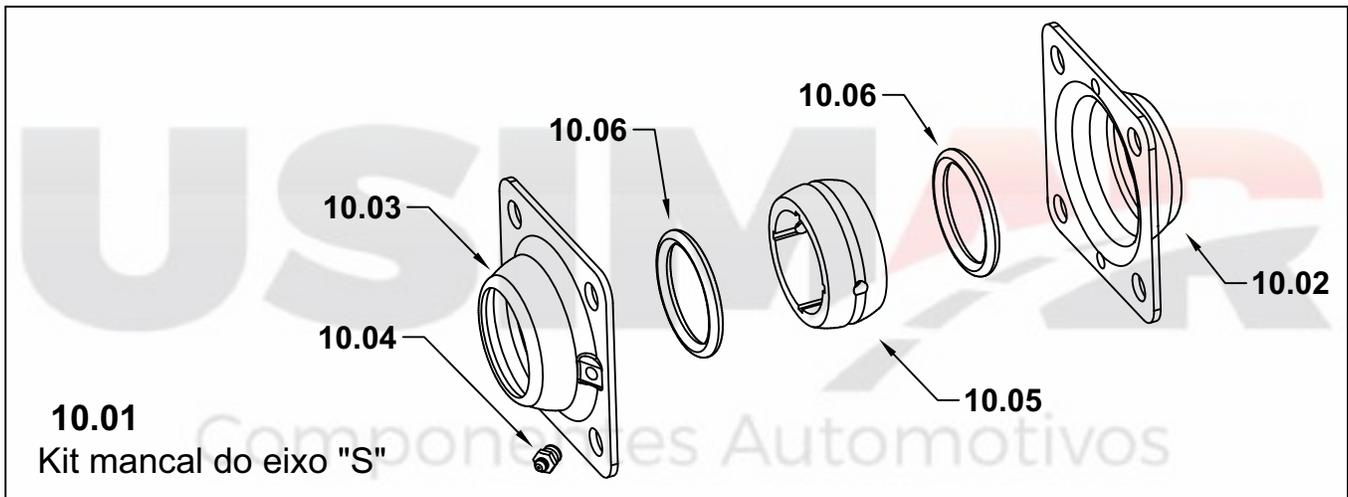


**24.73**  
Fechadura plástica da caixa de ferramentas

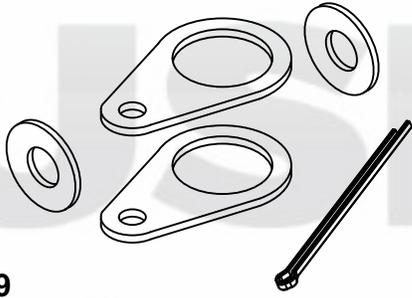


Mão francesa da caixa de ferramentas  
**90.14 - LD**  
**90.15 - LE**

# FREIOS

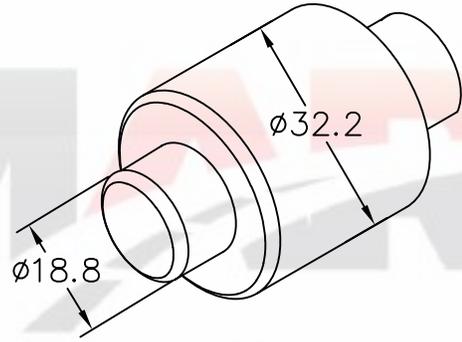


# FREIOS



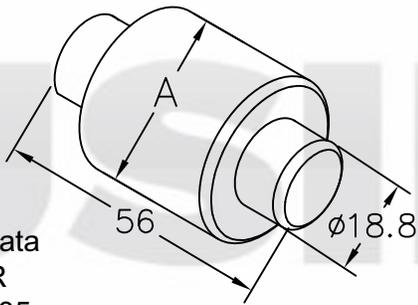
**10.19**

Kit da trava do rolete da sapata do freio do SR



**10.20**

Rolete da sapata do freio do SR



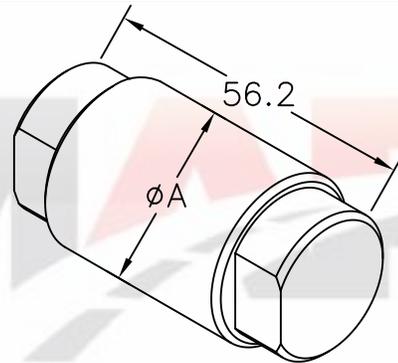
Rolete da sapata do freio do SR

**10.21** - A = Ø35mm

**10.22** - A = Ø38mm

**10.23** - A = Ø40mm

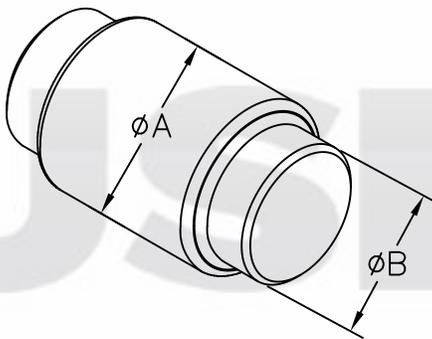
**10.56** - A = Ø45mm



Rolete da sapata do freio do SR

**10.24** - A = Ø28,5mm

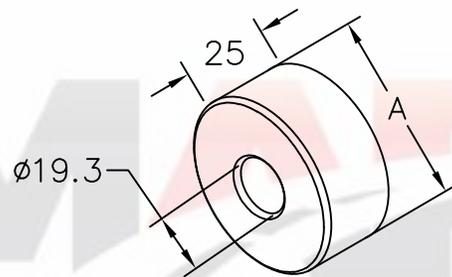
**10.68** - A = Ø31mm



Rolete da sapata do freio do SR

**10.25** - A = Ø31,7mm B = 25,3mm

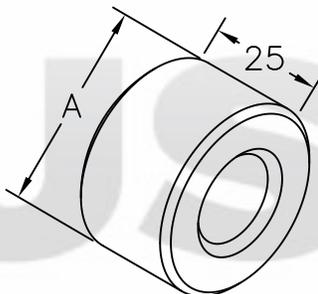
**10.26** - A = Ø32,2mm B = 25mm



Rolete da sapata do freio do TE

**10.60** - A = Ø60mm

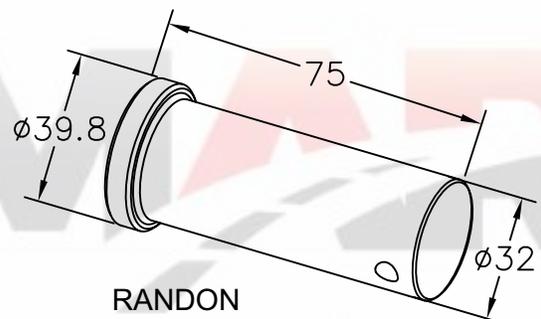
**10.63** - A = Ø50mm



Rolete da sapata do freio

**10.69** - A = 45mm

**10.64** - A = 55mm

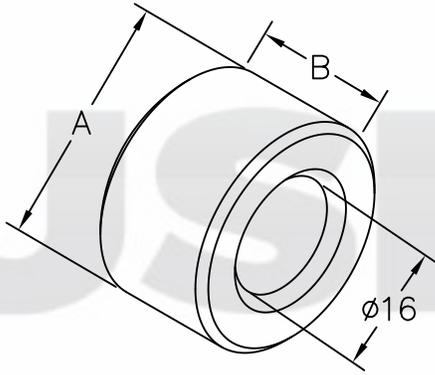


RANDON

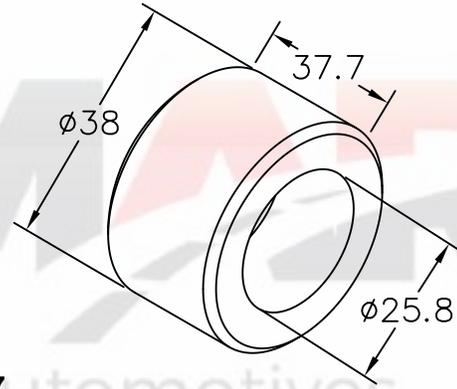
**10.65**

Pino do patim do TE

# FREIOS

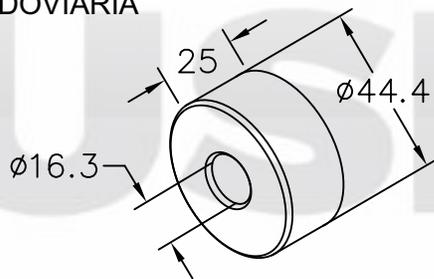


Rolete da sapata do freio  
**10.66** - A =  $\varnothing$ 25.4mm B = 30mm  
**10.50** - A =  $\varnothing$ 50mm B = 25mm

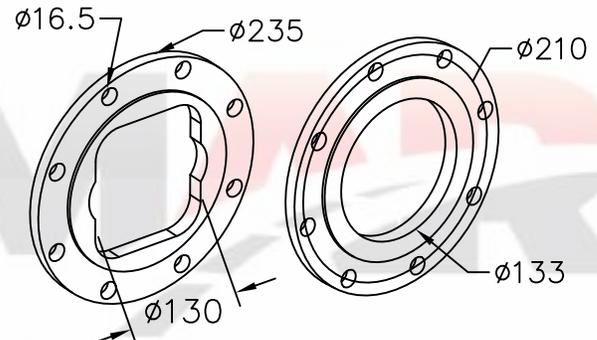


**10.67**  
Bucha do rolete do patin do freio

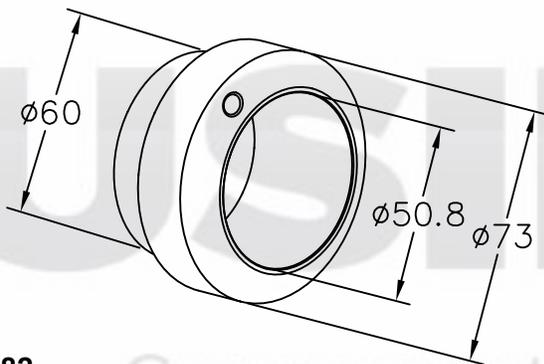
## RODOVIÁRIA



**10.72**  
Rolete da sapata do freio do SR

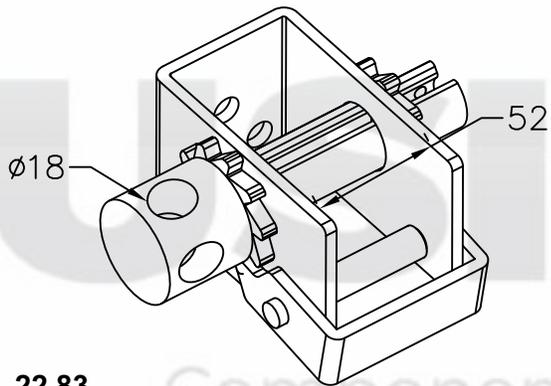


Disco flange de freio master  
**10.73** - Eixo redondo  
**10.74** - Eixo quadrado

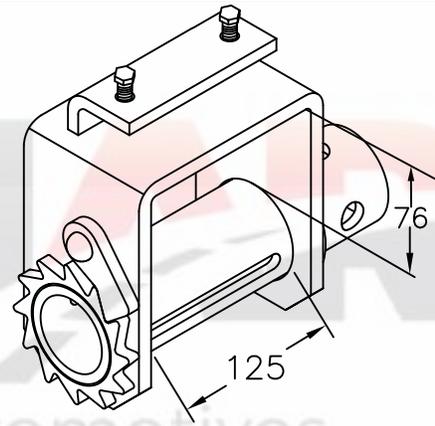


**81.82**  
Mancal adaptação freio master

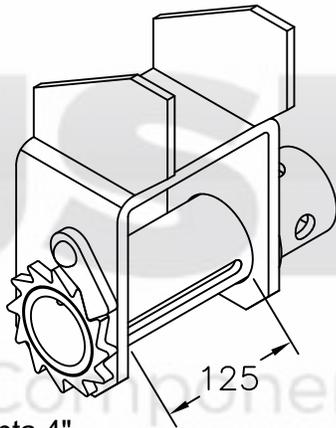
# CATRACAS



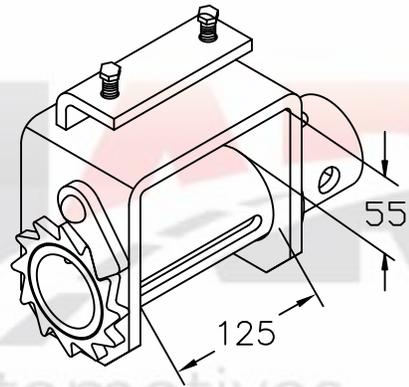
**22.83**  
Catraca sider



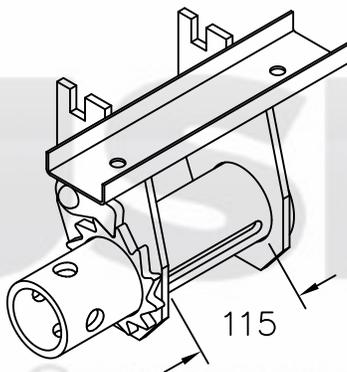
**22.87**  
Catraca para cinta emparafusada do SR



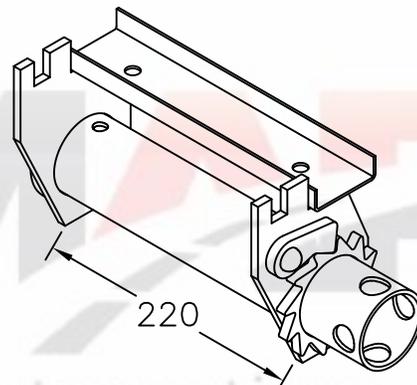
**24.29**  
Catraca para cinta 4''



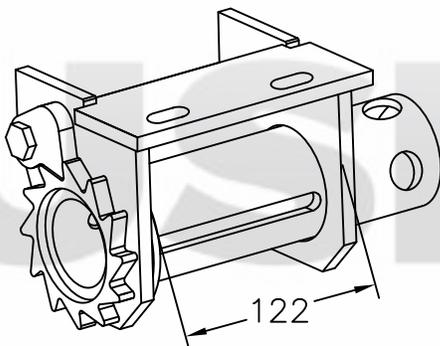
**24.30**  
Catraca para cinta mod. baixa do SR



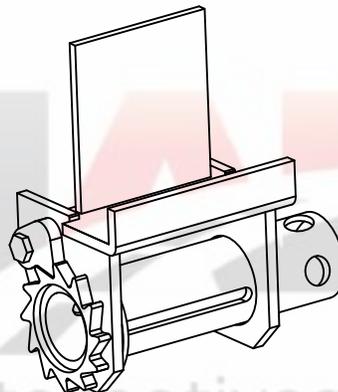
**24.59**  
Catraca para cinta do SR RANDON modelo 97



**24.72**  
Catraca do SR RANDON modelo 97

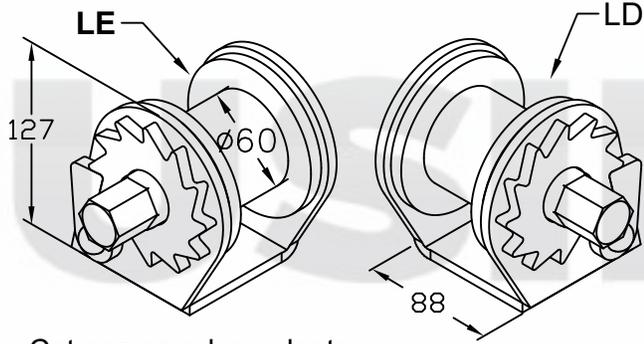


**24.74**  
Catraca do SR para cinta 4'' reta

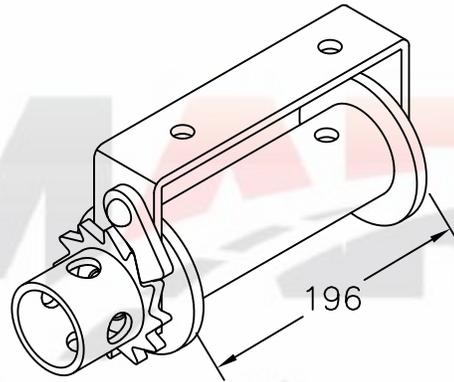


**24.75**  
Catraca do SR para cinta 4'' reforçada alta

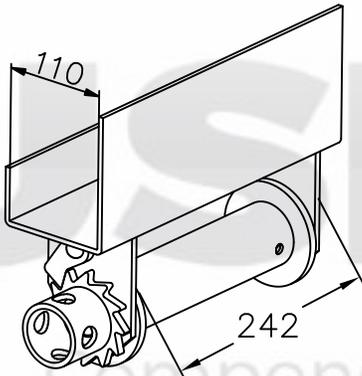
# CATRACAS



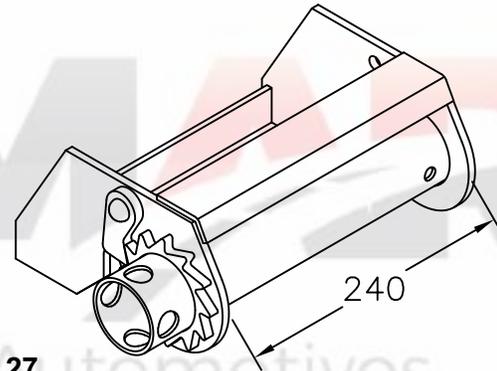
Catraca para basculante  
24.80 - LE  
24.81 - LD



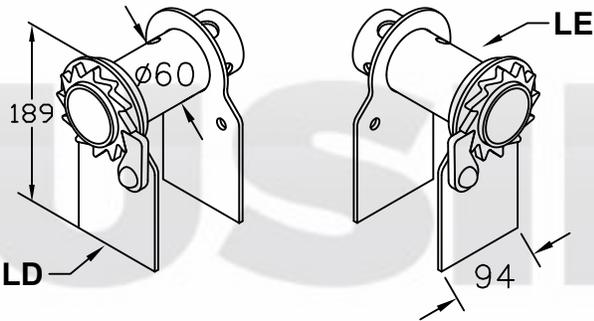
25.10  
Catraca para carroceria do TE



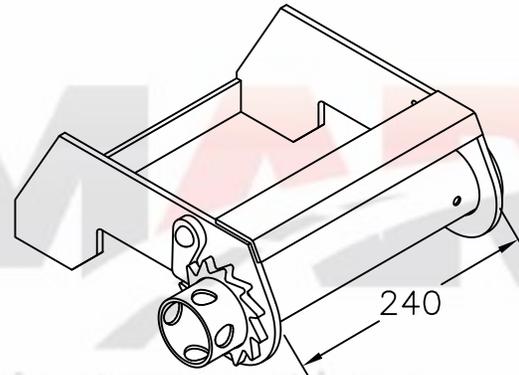
25.26  
Catraca do SR



25.27  
Catraca do SR RANDON modelo 90

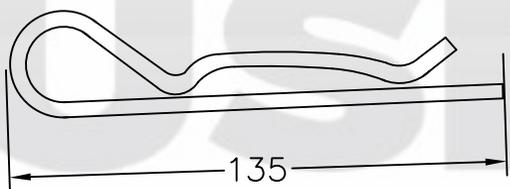


Catraca do suporte de estepe para basculante  
25.31 - LD  
25.32 - LE

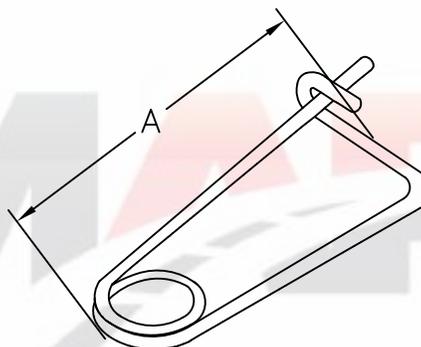


25.90  
Catraca do SR

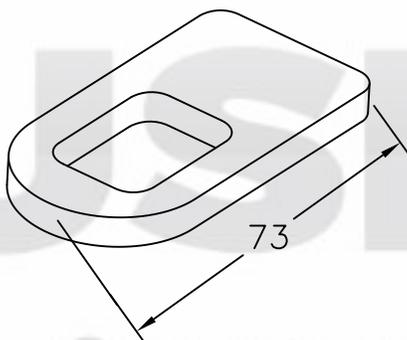
# CARROCERIAS



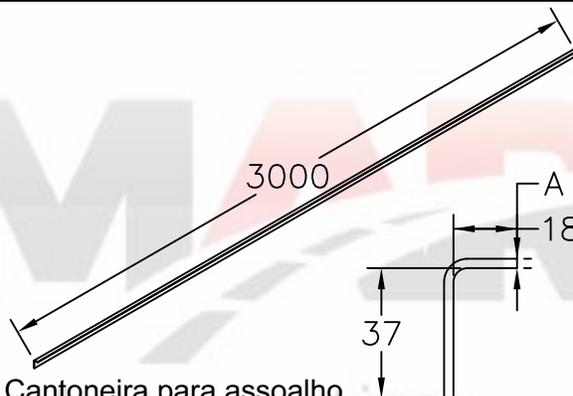
**10.38**  
Grampo "R" tombador



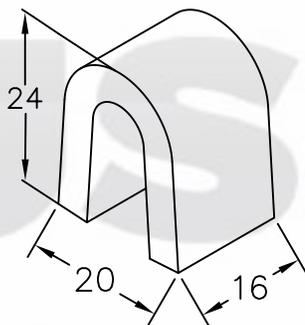
Joana da boca de graneleira  
**10.39** - A = 60mm B = 2,5mm  
**10.40** - A = 90mm B = 3mm



**20.82**  
Suporte de fixação fêmea da tampa do SR



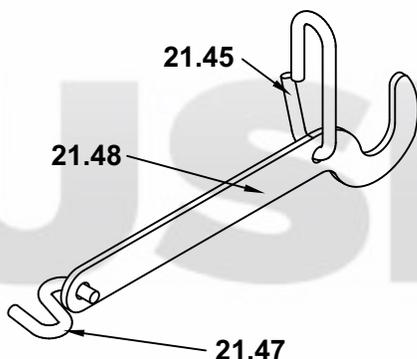
Cantoneira para assoalho  
**21.30** - A = 2,65mm  
**21.31** - A = 2,00mm



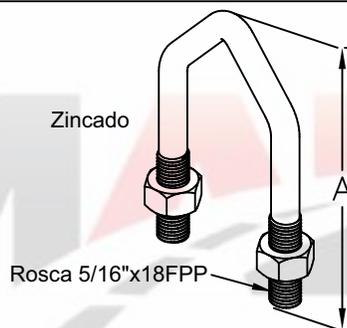
**21.34**  
Gancho do engate da tampa do SR



**21.47**  
"S" de fixação da corrente da carroceria do SR

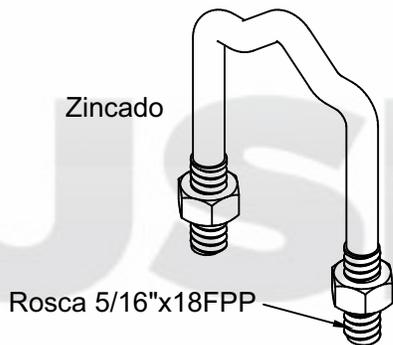


**21.49**  
Esticador da corrente da carroceria do TE ou SR

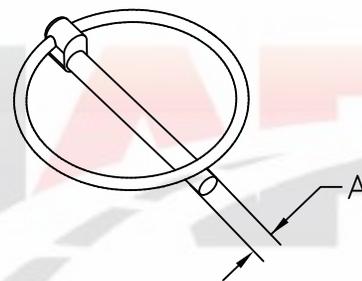


Presilha da corrente tipo "V" do SR graneleira com porca  
**21.51** - A = 76mm  
**24.61** - A = 88mm

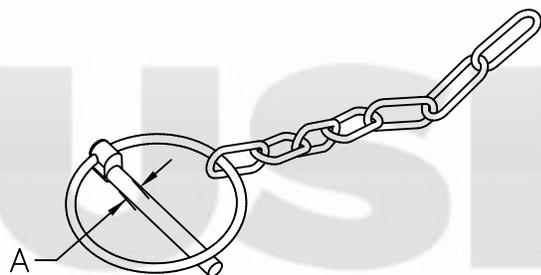
# CARROCERIAS



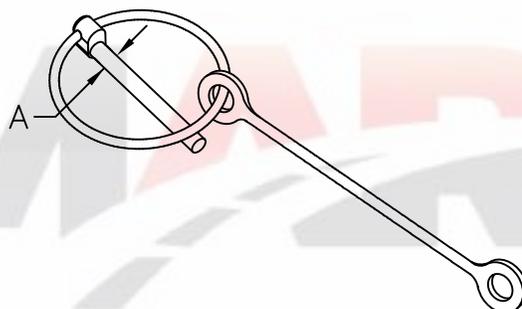
**21.53**  
Presilha da corrente tipo "W" do SR graneleira com porca



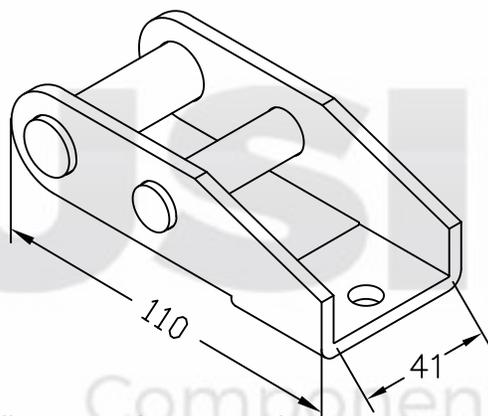
Pino quebra dedo  
**21.57** - A = 1/4"  
**21.58** - A = 5/16"



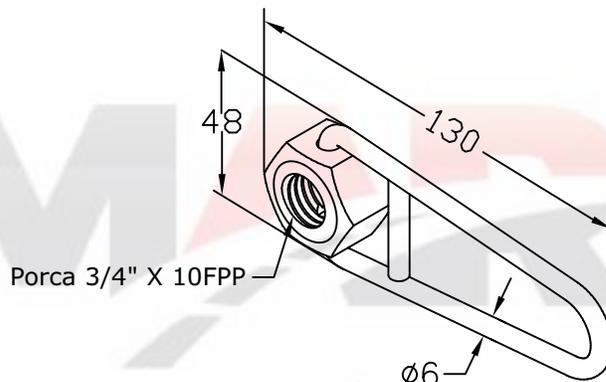
Pino quebra dedo com corrente  
**21.61** - A = 1/4"  
**21.62** - A = 5/16"



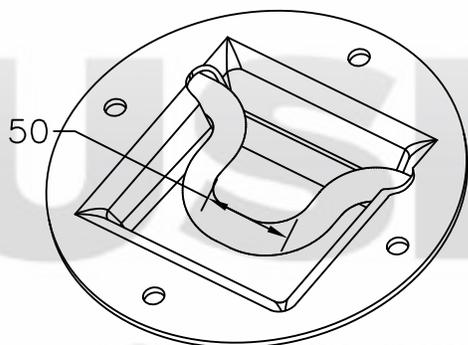
Pino quebra dedo com cinta plástica  
**21.59** - A = 1/4"  
**21.60** - A = 5/16"



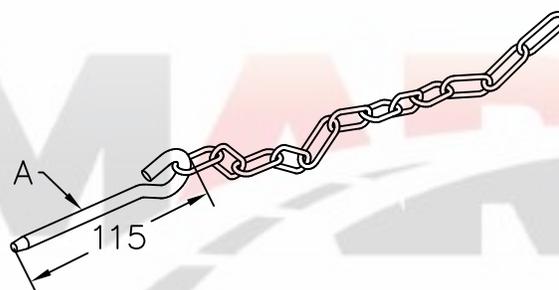
**22.23**  
Dobradiça curta da carroceria



**22.35**  
Fixador da tampa da carroceria do SR

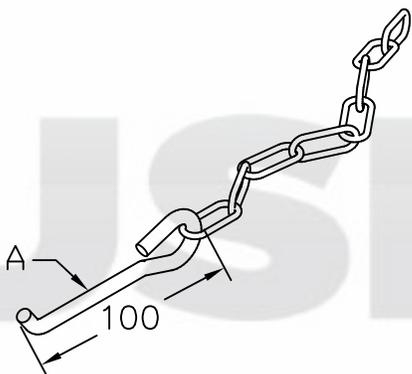


**22.82**  
Gancho de amarração de carga do assoalho

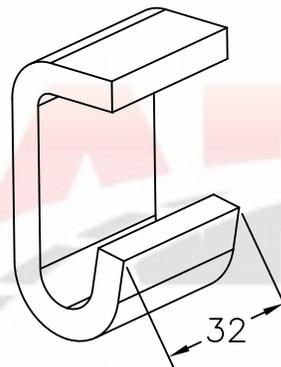


Pino para trava tampa reto da carroceria(Zincado)  
**22.99** - Em 1/4"  
**25.61** - Em 5/16"

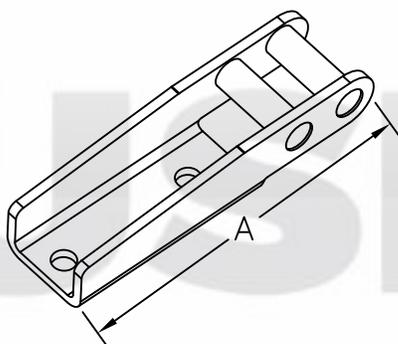
# CARROCERIAS



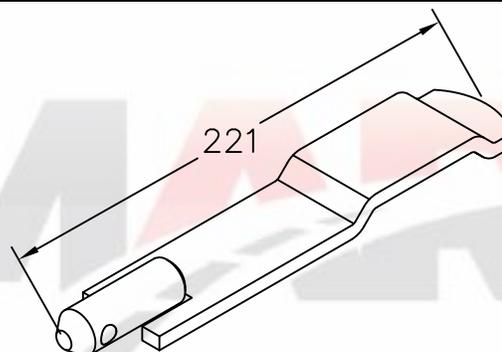
Pino para trava tampa curvo da carroceria(Zincado)  
**24.84** - Em  $\text{Ø}1/4"$   
**24.85** - Em  $\text{Ø}5/16"$



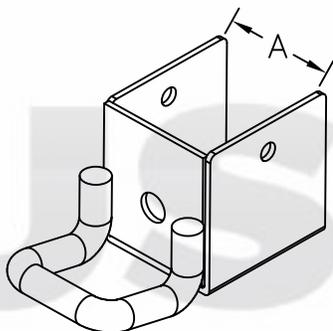
**23.77**  
 Engate "G" carroceria 3/4"



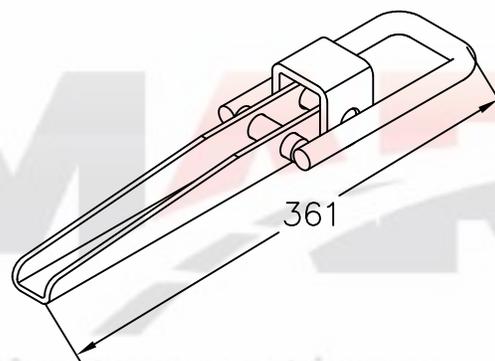
Dobradiça da carroceria 3/4"  
**23.78** - A = 145mm  
**23.79** - A = 90mm



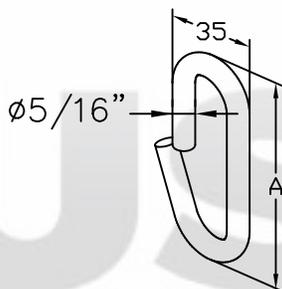
**24.31**  
 Suporte de fixação macho da tampa da carroceria do SR e TE moderna



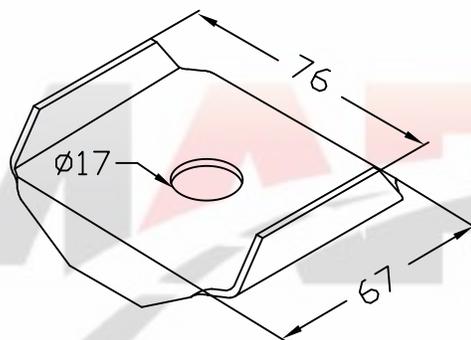
Suporte para cinta da carroceria  
**24.89** - A = 62,5mm  
**24.90** - A = 52mm



**25.11**  
 Conjunto presilha da carroceria

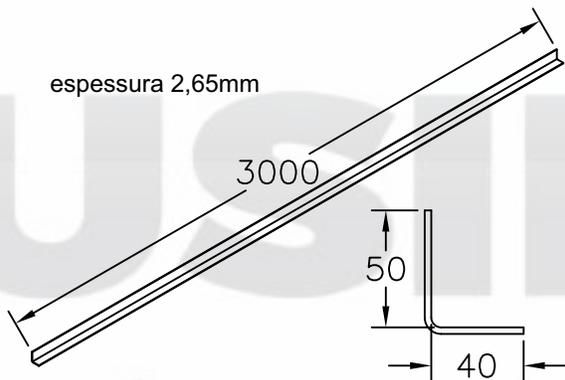


Argola de fixação da corrente da carroceria do SR  
**25.34** - A = 86mm  
**25.35** - A = 106mm

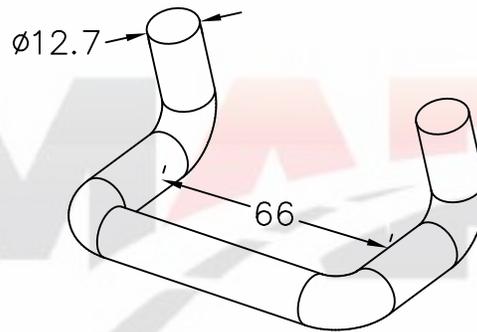


**25.36**  
 Calço da carroceria entre longarina travessa do TE

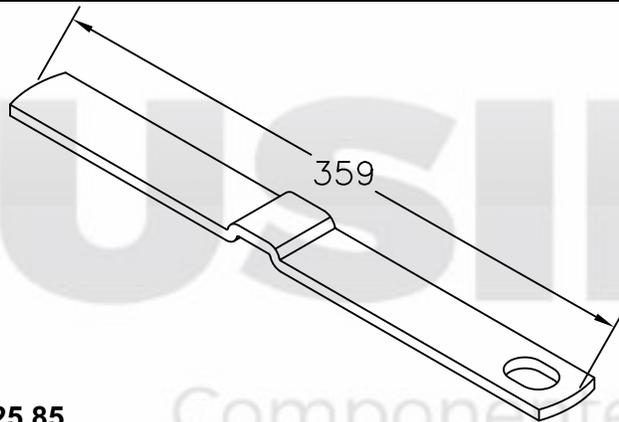
# CARROCERIAS



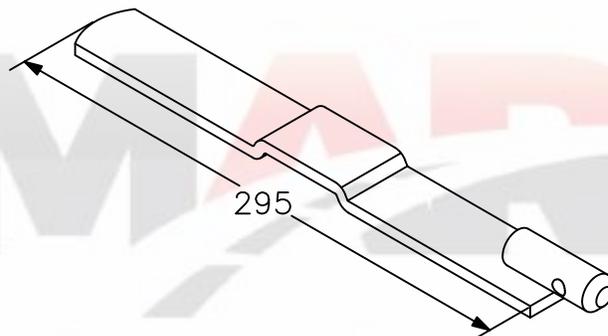
**25.37**  
Cantoneira do meio para carroceria da graneleira



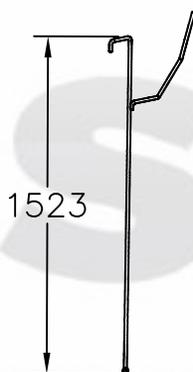
**25.58**  
Gancho para carroceria



**25.85**  
Suporte de fixação fêmea da tampa da carroceria

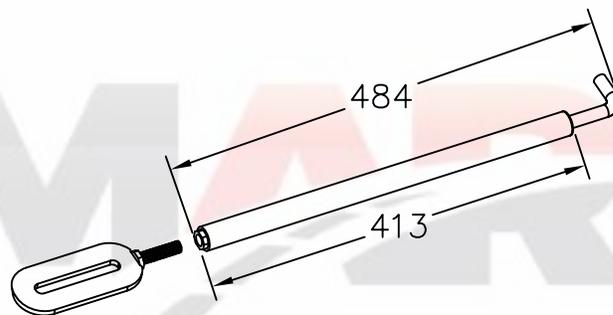


**25.86**  
Suporte de fixação macho da tampa da carroceria



Com barra 1/2"

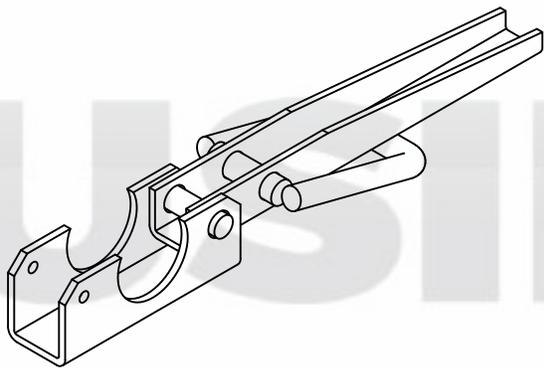
**30.96**  
Suporte de apoio de lona



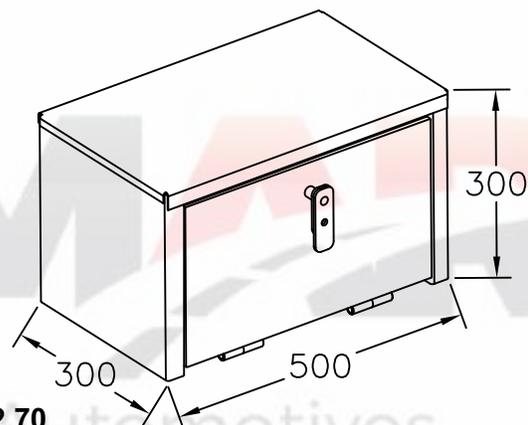
**91.20**  
Conjunto do braço da tampa



# BASCULANTE

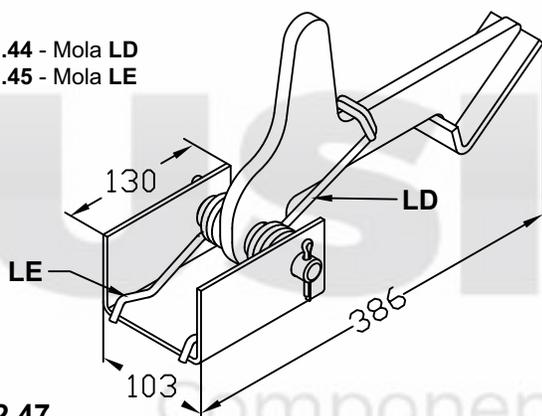


**22.51**  
Presilha da tampa da basculante

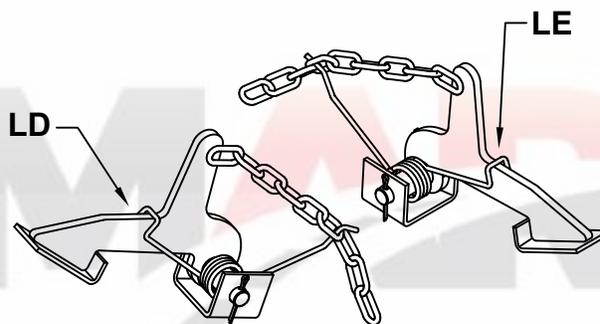


**22.70**  
Caixa de ferramentas da basculante

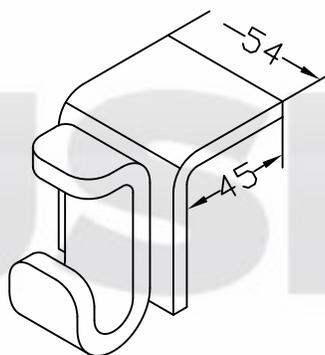
91.44 - Mola LD  
91.45 - Mola LE



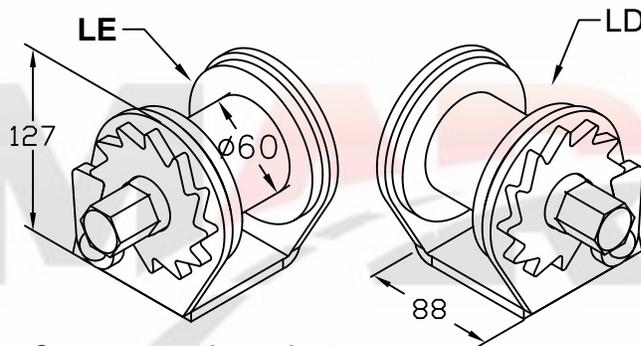
**22.47**  
Tranca da tampa da basculante



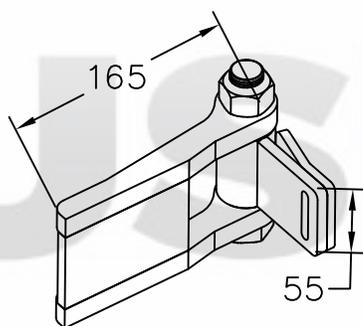
Tranca da tampa da basculante com uma mola  
**22.48 - LD**  
**22.49 - LE**



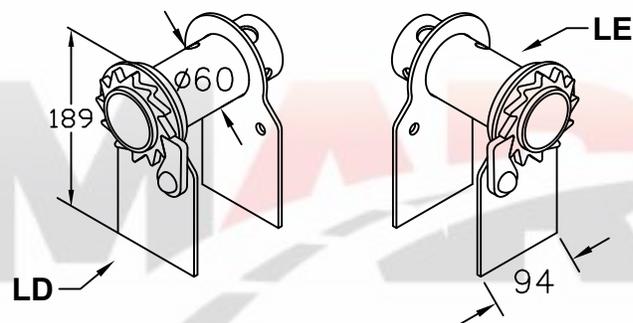
**24.71**  
Suporte da dobradiça "G" com chapa "L" para carroceria



Catraca para basculante  
**24.80 - LE**  
**24.81 - LD**

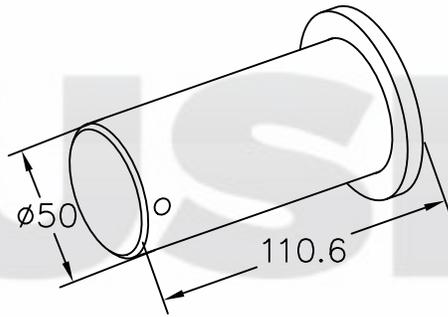


**25.12**  
Dobradiça lateral da tampa traseira



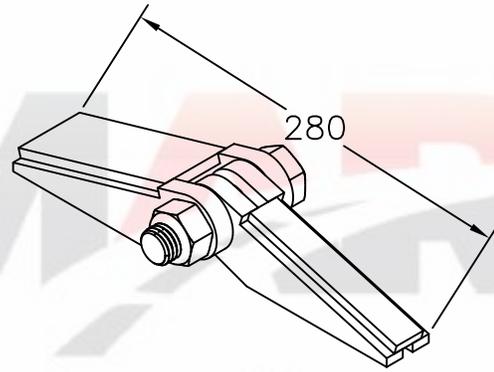
Catraca do suporte de estepe para basculante  
**25.31 - LD**  
**25.32 - LE**

# BASCULANTE



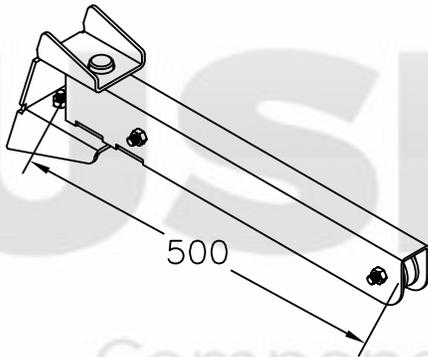
**25.52**

Conjunto pino superior do pistão p/ erguer a caçamba



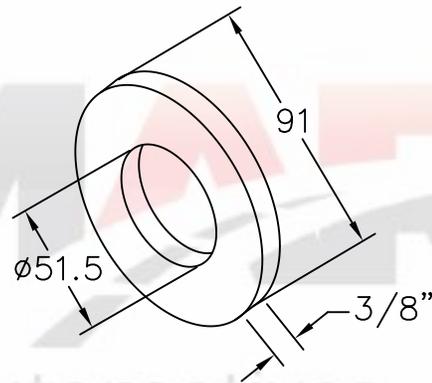
**25.62**

Dobradiça do parachoque inclinado basculante



**25.63**

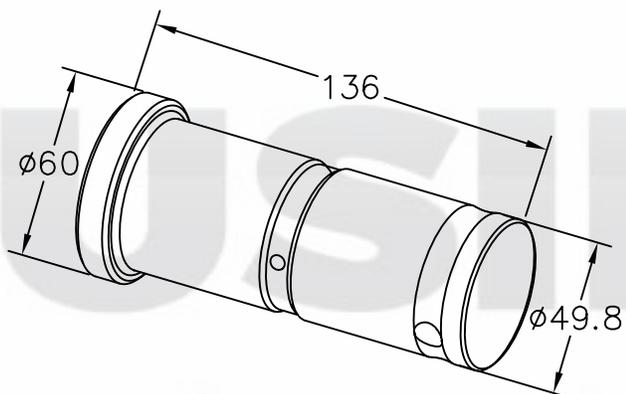
Braço levantor do step SRB



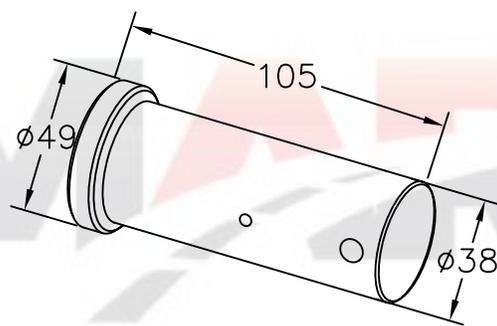
**31.30**

Arruela da articulação da tampa basculante

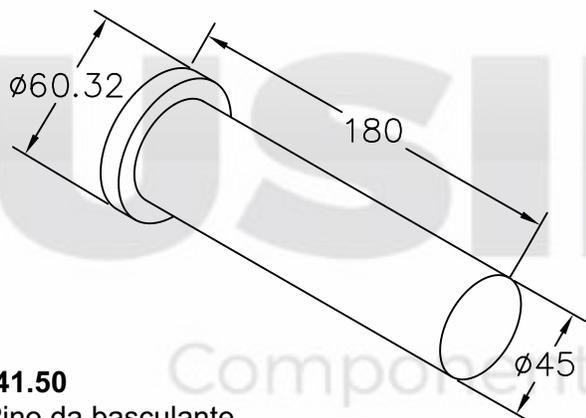
# BASCULANTE



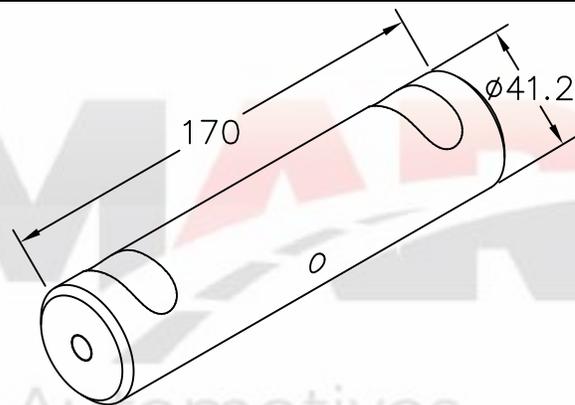
**41.28**  
Pino da basculante



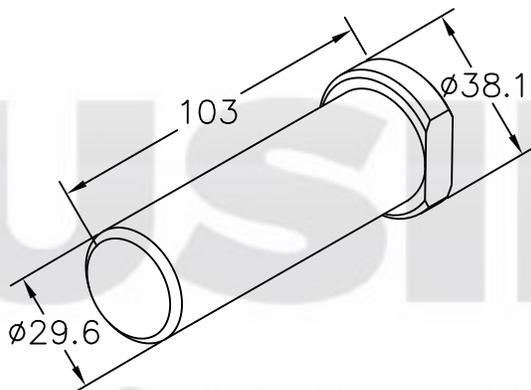
**41.33**  
Pino da articulação basculante



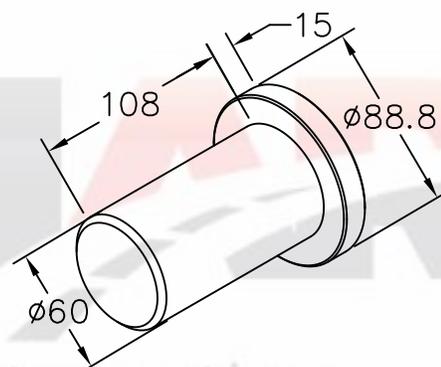
**41.50**  
Pino da basculante



**41.51**  
Pino da articulação para basculante

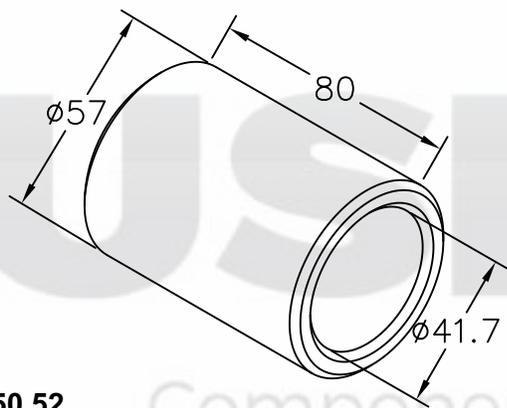


**41.94**  
Pino da articulação da tampa da basculante

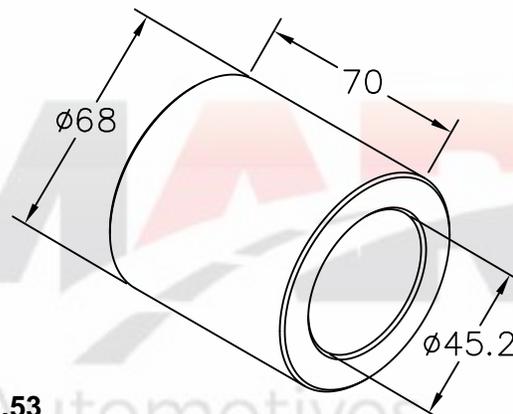


**42.10**  
Pino da Caçamba

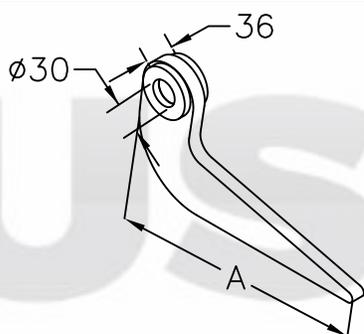
# BASCULANTE



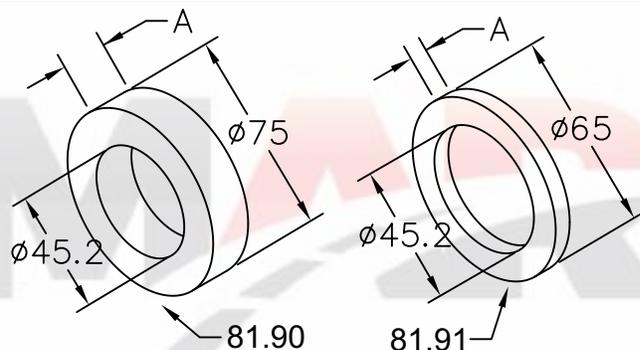
**50.52**  
Bucha da articulação para basculante



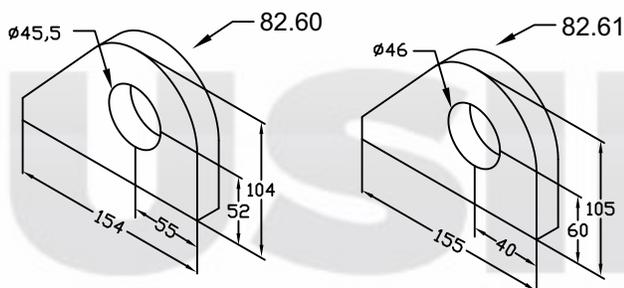
**50.53**  
Bucha do pino para basculante



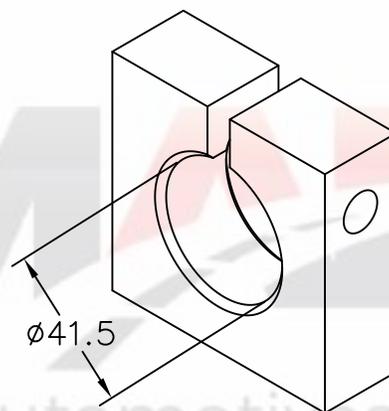
Articulação da tampa para basculante (Bengala)  
**81.88** - A = 300mm  
**83.48** - A = 330mm  
**83.49** - A = 400mm



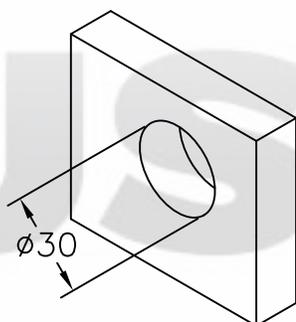
Mancal para pino da basculante  
**81.90** - A = 18mm  
**81.91** - A = 6,35mm



Mancal do pino da basculante  
**82.60** - Menor  
**82.61** - Maior

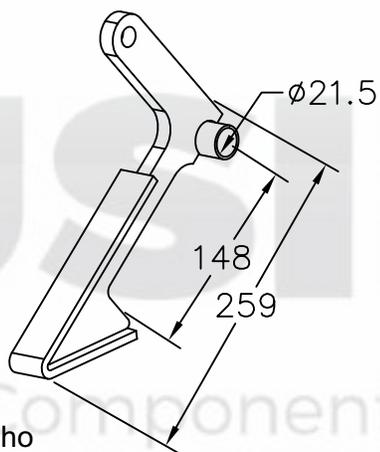


**82.63**  
Mancal maciço para o varão

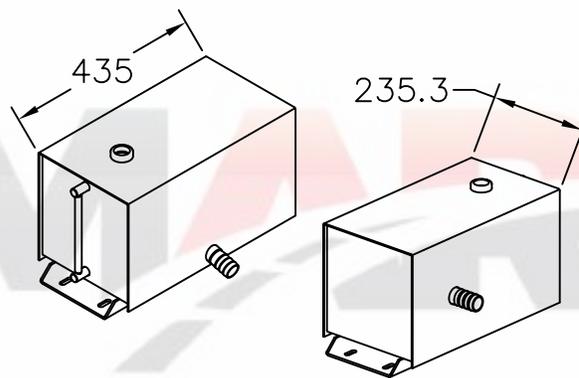


**83.08**  
Mancal da articulação da tampa para basculante

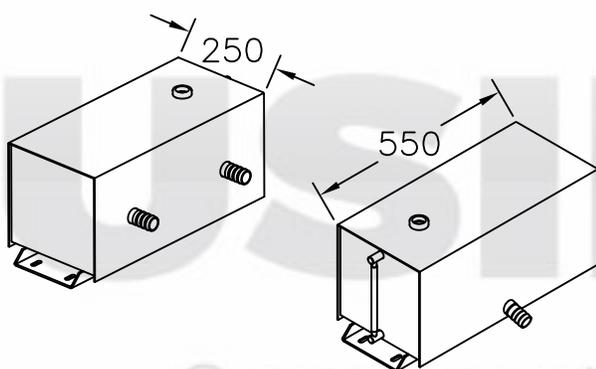
# BASCULANTE



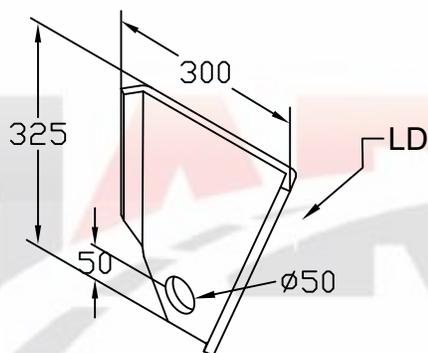
**91.19**  
Tranca do gatilho



**91.91**  
Reservatório de óleo nominal 20 L



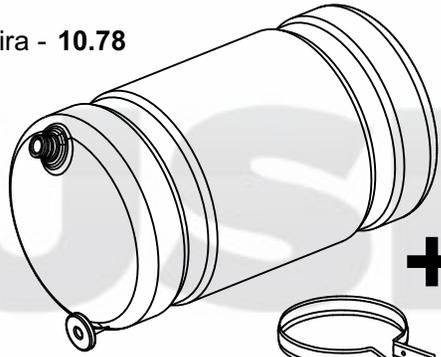
**91.92**  
Reservatório de óleo nominal 30 L



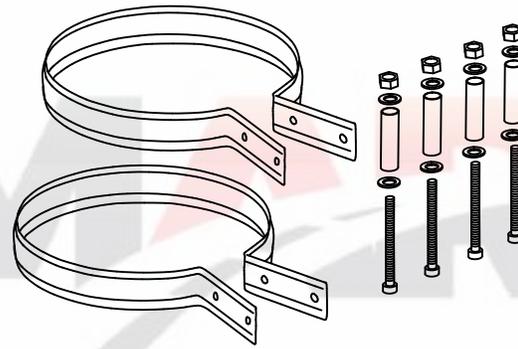
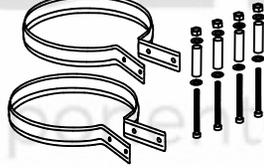
Chapa de articulação da caçamba basculante  
**91.96 - LD**  
**91.97 - LE**

# USIMAR/DIVERSOS

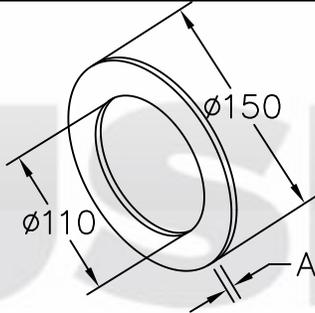
Torneira - 10.78



Conjunto Barrica  
10.41 - 42L  
10.42 - 26L

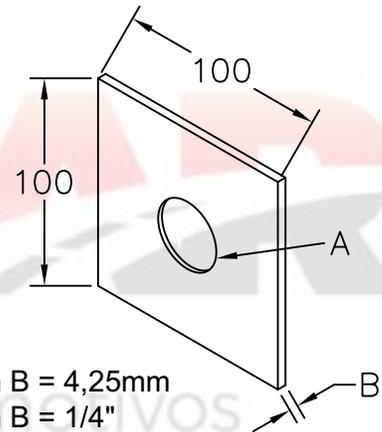


Conjunto cinta da barrica  
10.45 - 42L  
10.55 - 26L



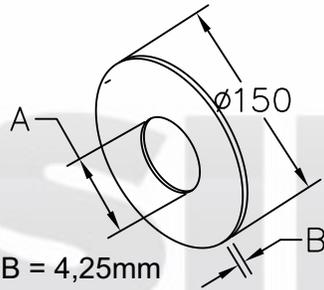
Arruela externa p/ balanças de pino Ø60mm

30.27 - A = 1/4"  
30.64 - A = 3/16"  
30.65 - A = 5/16"  
30.66 - A = 3/8"



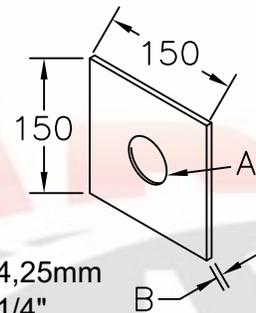
Arruela quadrada

30.45 - A = Ø30mm B = 4,25mm  
30.46 - A = Ø35mm B = 1/4"  
30.47 - A = Ø50,5mm B = 1/4"



Arruela redonda  
recuperação da  
suspensão do SR

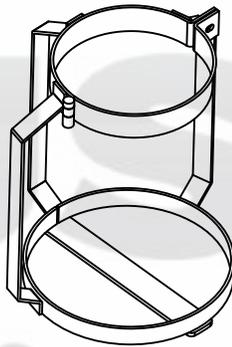
31.31 - A = Ø50,3mm B = 4,25mm  
31.45 - A = Ø50,3mm B = 1/4"  
31.46 - A = Ø50,3mm B = 5/16"  
31.26 - A = Ø60,3mm B = 4,25mm  
31.43 - A = Ø60,3mm B = 1/4"  
31.41 - A = Ø60,3mm B = 5/16"



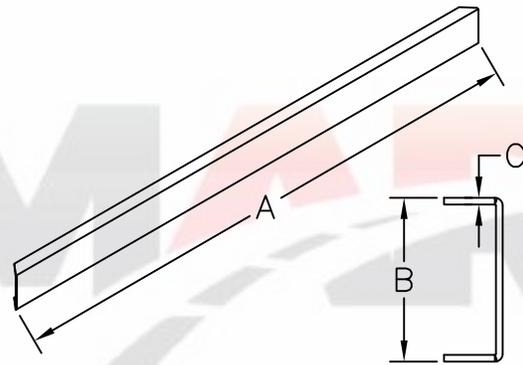
Arruela quadrada  
recuperação da  
suspensão do SR

31.37 - A = Ø50,3mm B = 4,25mm  
31.38 - A = Ø50,3mm B = 1/4"  
31.39 - A = Ø50,3mm B = 5/16"  
31.40 - A = Ø60,3mm B = 4,25mm  
31.41 - A = Ø60,3mm B = 1/4"  
31.42 - A = Ø60,3mm B = 5/16"

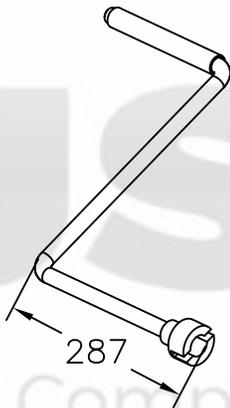
# USIMAR/DIVERSOS



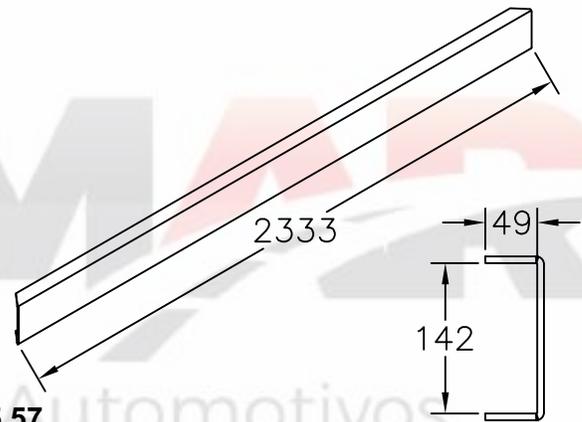
**24.70**  
Suporte bujão de gás P13kg



Lâmina do para-choque  
**25.13** - A = 2400mm B = 150mm C = 4,25mm (até 23,5T)  
**25.14** - A = 2100mm B = 112mm C = 6,35mm (até 10T)

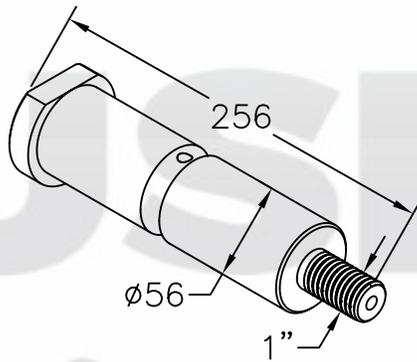


**25.15**  
Manivela do aparelho de levantamento antigo

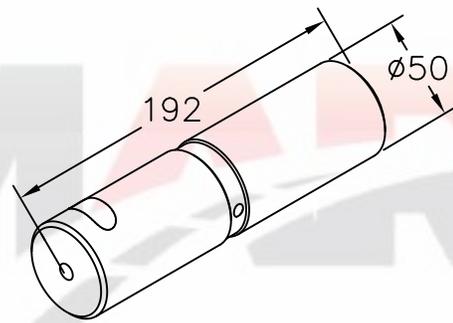


**25.57**  
Pára-choque do TE

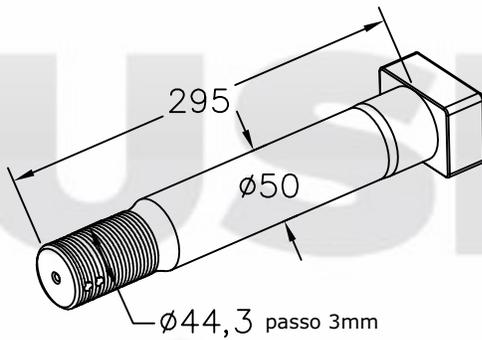
# USIMAR/DIVERSOS



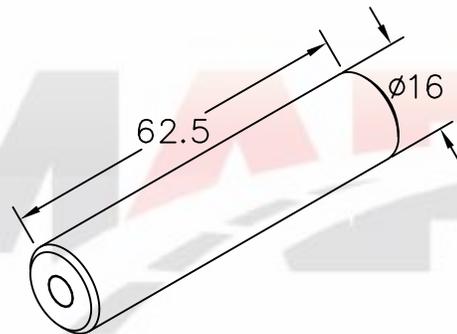
**41.02**  
Pino da balança do SR Goydo



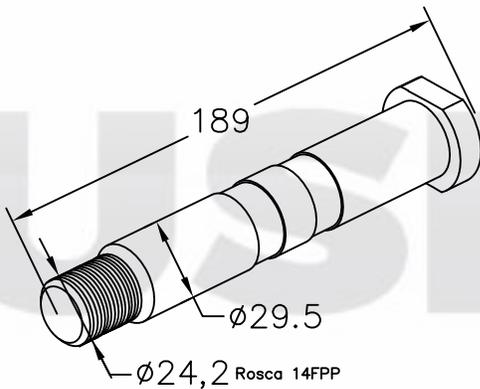
**41.05**  
Pino da balança do TE FNM V12 FIAT 180



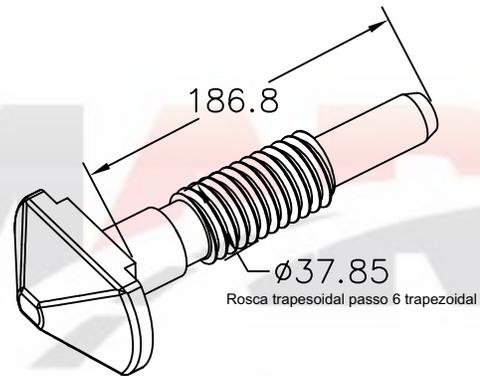
**41.29**  
Pino interno do engate automático do SR



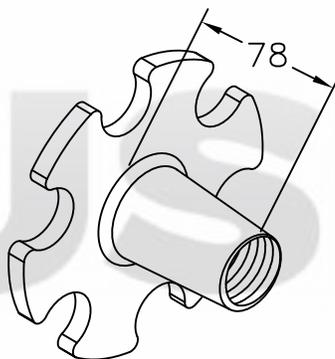
**41.49**  
Pino da mola da quinta roda Maxion



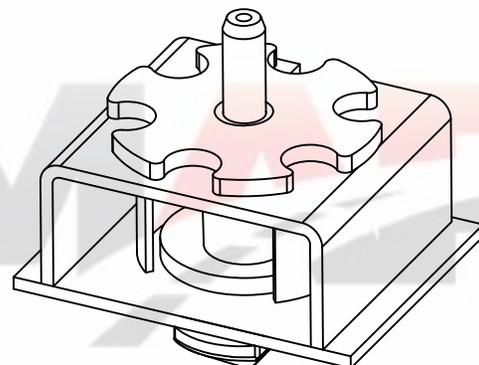
**41.64**  
Pino do tensor Lies



**41.74**  
Pino do lock do container Usimar

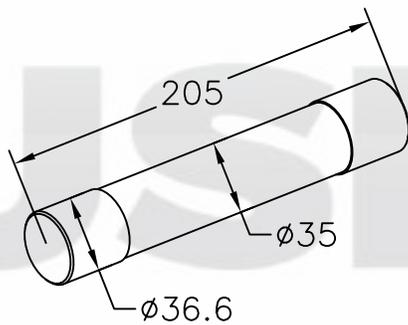


**51.32**  
Flange de fixação do pino lock container

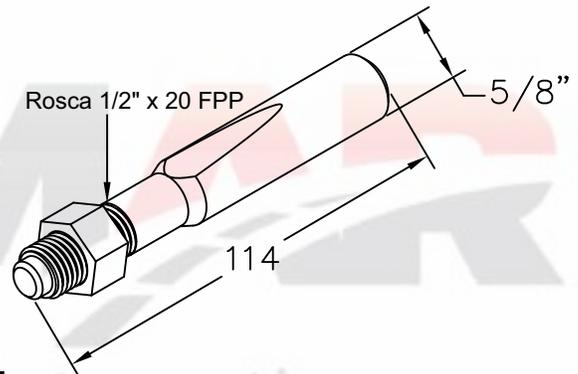


**91.69**  
Lock do Container

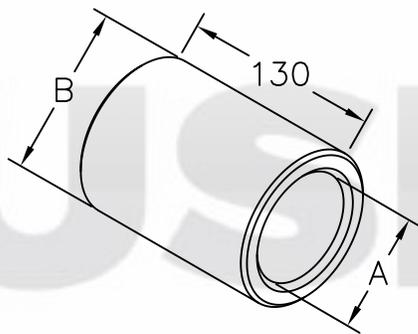
# USIMAR/DIVERSOS



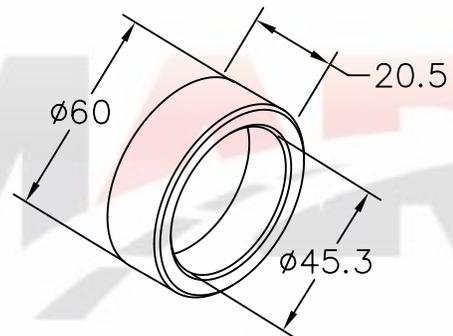
**41.79**  
Pino 320D serie SAGF 02431 Caterpillar



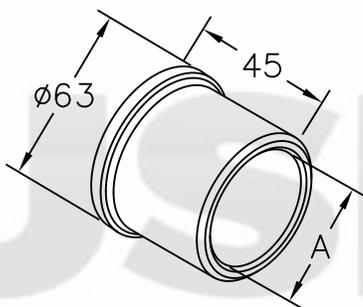
**42.15**  
Pino cônico do mancal da balança do TE



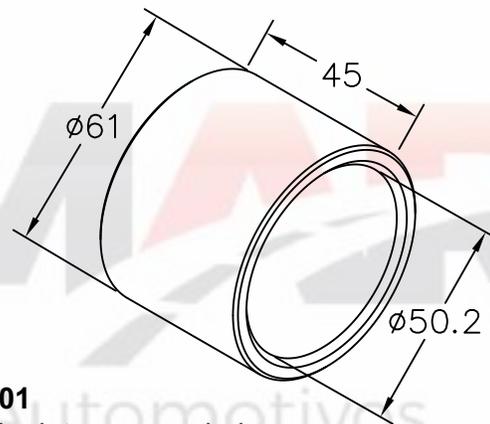
Bucha da balança do SR GRAHL  
**50.44** - A = Ø72mm B = Ø95mm (Externo)  
**51.15** - A = Ø60,2mm B = Ø72mm (Interna)



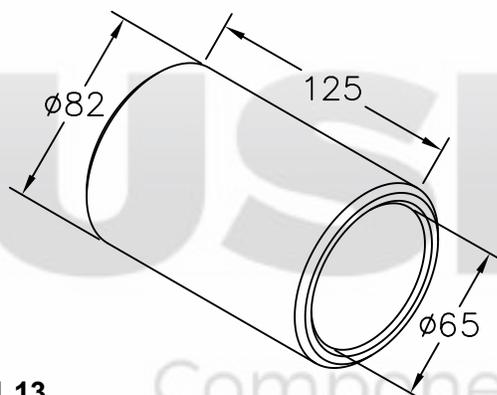
**50.32**  
Bucha do bocal do engate automático do SR



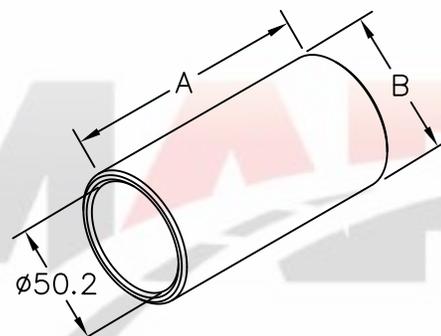
Bucha da ponteira do engate automático do SR  
**50.33** - A = Ø50mm  
**50.71** - A = Ø48mm



**51.01**  
Bucha interna para balanças

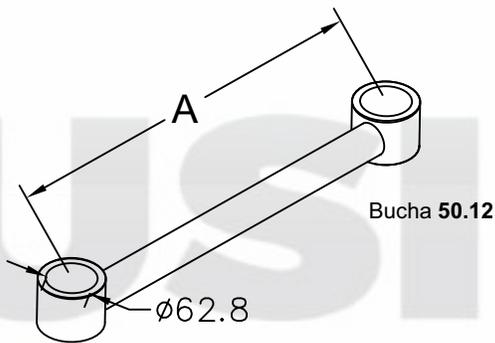


**51.13**  
Bucha interna para balança do TE GOLIVER

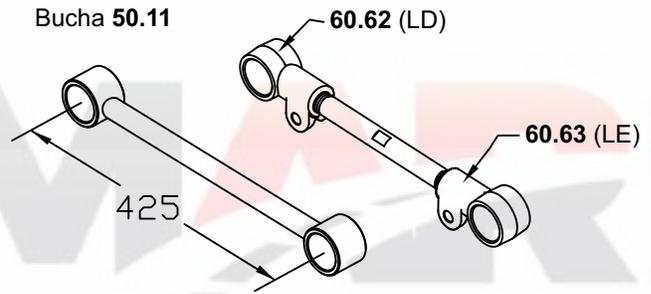


Bucha interna para balança  
**51.36** - A = 119mm B = Ø61mm  
**51.38** - A = 118mm B = Ø60mm

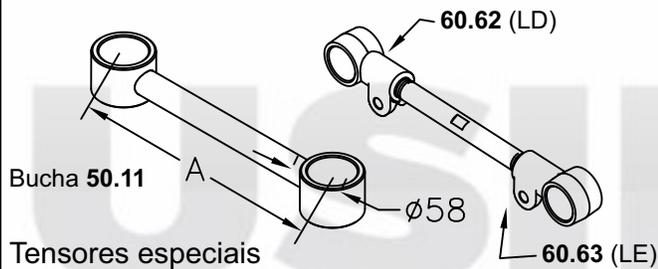
# USIMAR/DIVERSOS



Tensor fixo especial  
**61.54 - A = 510mm**  
**61.55 - A = 530mm**

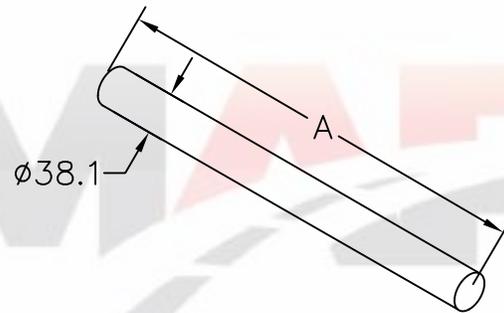


Tensor do TE suspensão 3/4"  
**61.59 - Regulável**  
**61.58 - Fixo**



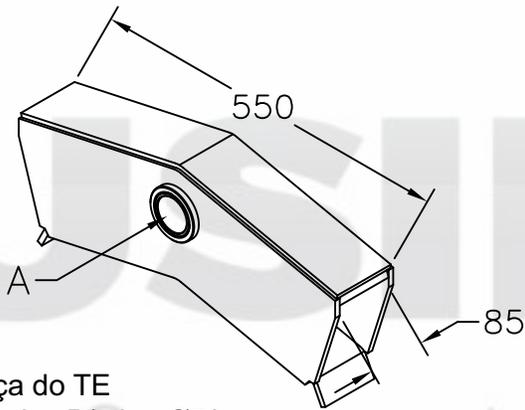
Tensores especiais

REGULÁVEL	FIXO
<b>61.63 - A = 520mm</b>	<b>61.60 - A = 520mm</b>
<b>61.64 - A = 550mm</b>	
<b>61.65 - A = 580mm</b>	<b>61.61 - A = 580mm</b>
<b>61.66 - A = 600mm</b>	<b>61.62 - A = 600mm</b>

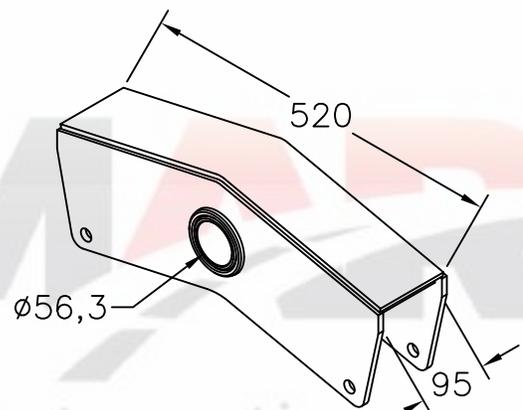


Varão para tensores  
**62.80 - A = 800mm**  
**62.81 - A = 700mm**

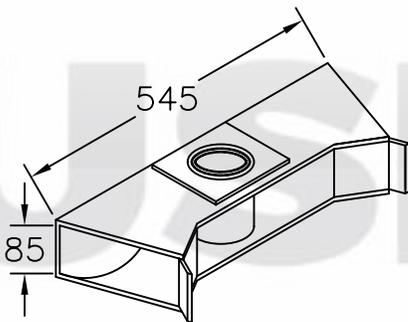
# USIMAR/DIVERSOS



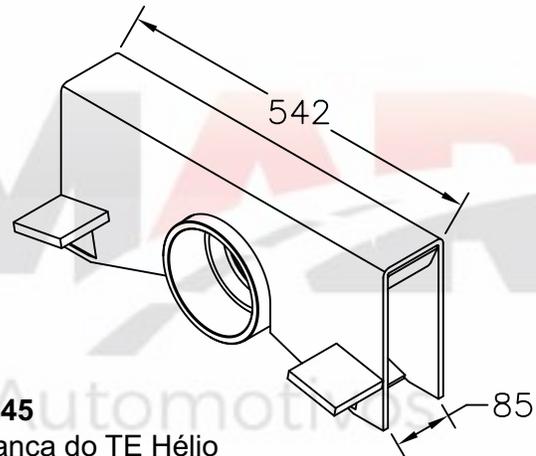
Balança do TE  
**71.42** - A = P/ pino Ø50mm  
**71.43** - A = P/ pino Ø60mm



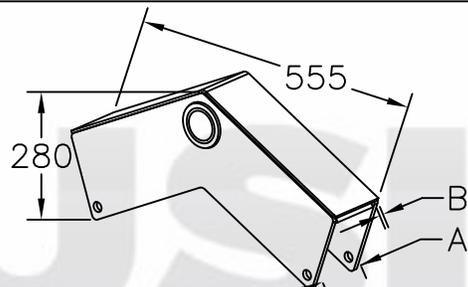
**71.44**  
 Balança do SR Goydo p/ pino Ø56mm



**75.02**  
 Balança do TE Goliver p/ pino Ø50mm

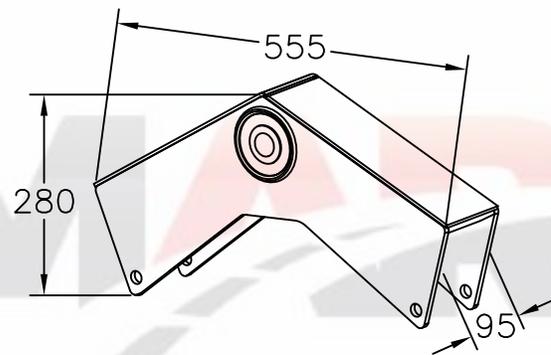


**75.45**  
 Balança do TE Hélio

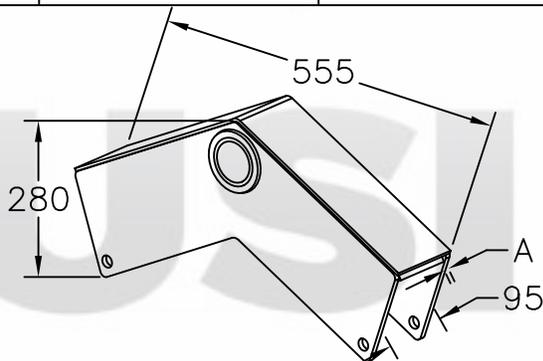


Balança SUPER ASA DELTA p/ pino Ø 50mm

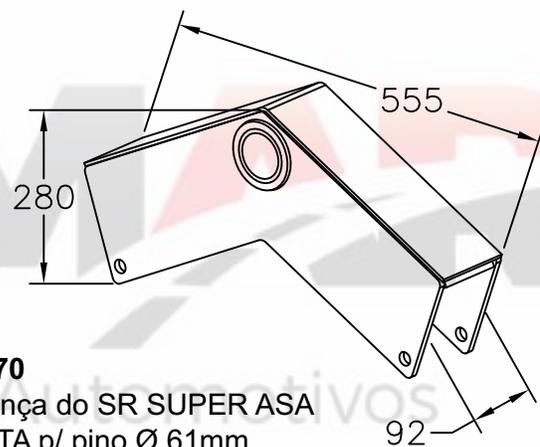
CÓD.	"A"	"B"
<b>72.84</b>	95mm	5/16"
<b>74.43</b>	85mm	5/16"
<b>76.70</b>	95mm	3/8"



Balança SUPER ASA DELTA p/ bucha molecular  
**74.32** - S/ bucha  
**75.13** - C/ bucha

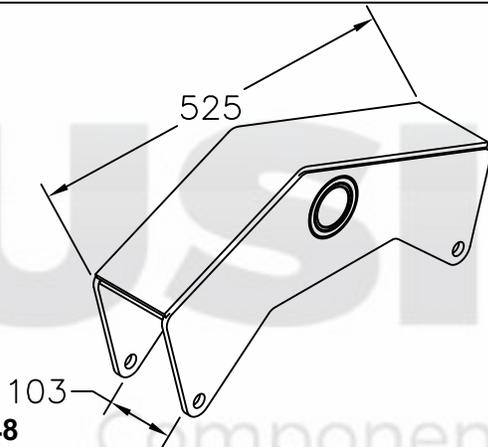


Balança SUPER ASA DELTA p/ pino Ø 60mm  
**74.38** - A = 5/16"  
**76.69** - A = 3/8"

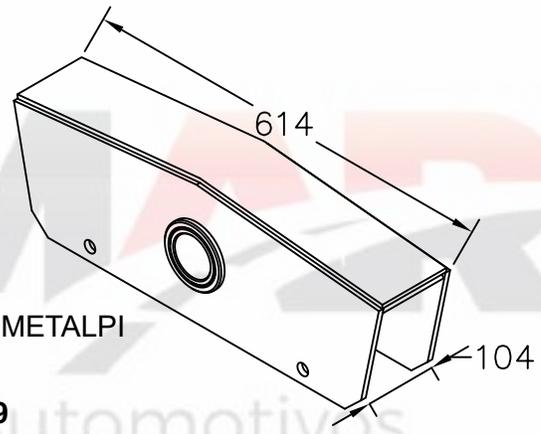


**74.70**  
 Balança do SR SUPER ASA  
 DELTA p/ pino Ø 61mm

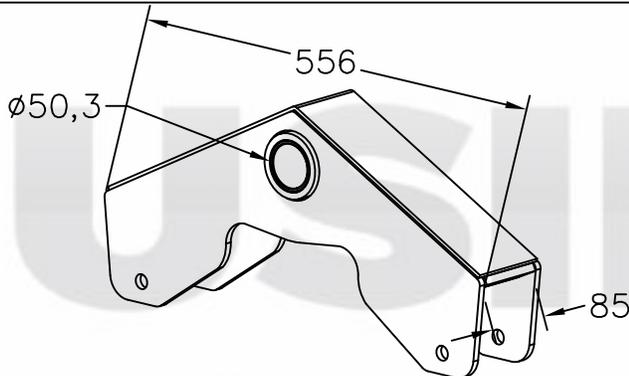
# USIMAR/DIVERSOS



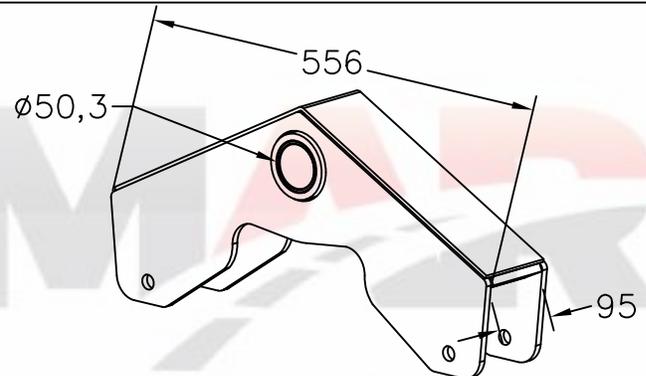
**75.48**  
Balança do TE para pino  $\varnothing$  50mm FNM (Fiat)



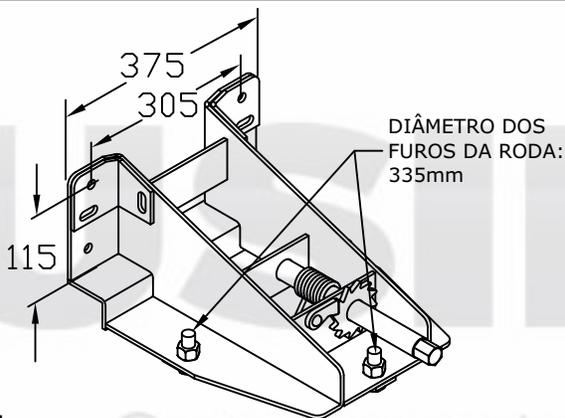
**75.49**  
Balança do SR para pino  $\varnothing$  60mm



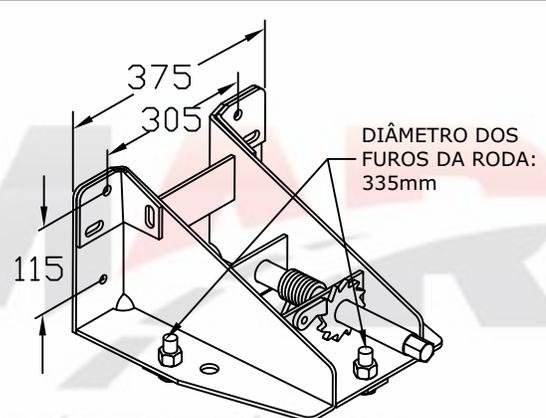
**77.39**  
Balança SUPER ASA DELTA MB Atego p/ pino  $\varnothing$ 50mm



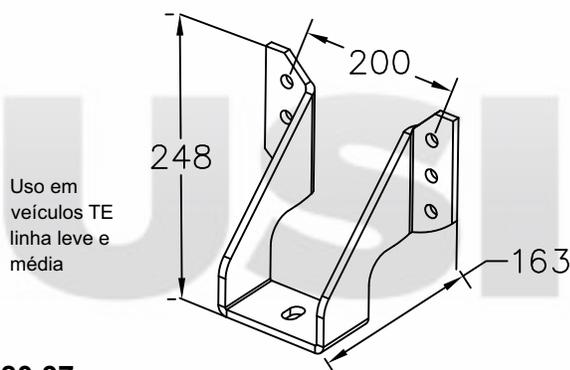
**77.41**  
Balança SUPER ASA DELTA para suportes fundidos VW/Ford Cargo pino  $\varnothing$ 50mm



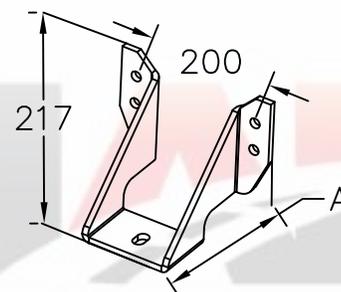
**72.91**  
Porta Estepe para SR roda disco - Modelo Usimar



**76.23**  
Porta Estepe para TE roda disco - Modelo Usimar



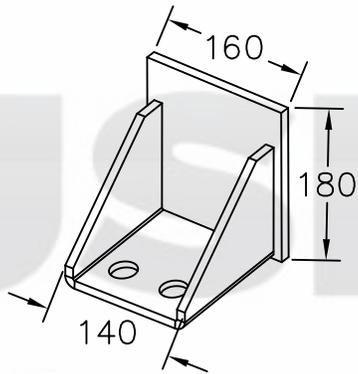
**80.37**  
Suporte de fixação do suspensor pneumático TE modelo Jost 6 furos  
Uso em veículos TE linha leve e média



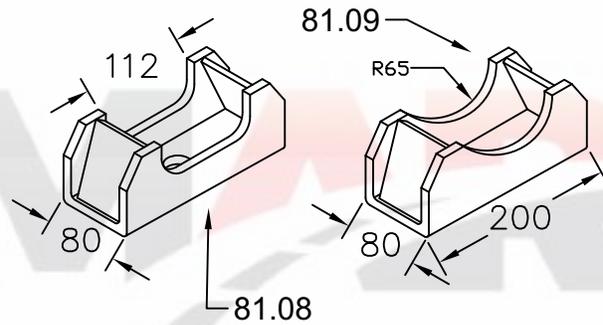
Suporte de fixação do suspensor pneumático TE modelo Jost 4 furos  
**80.38** - A = 178mm  
**80.39** - A = 160mm

# USIMAR/DIVERSOS

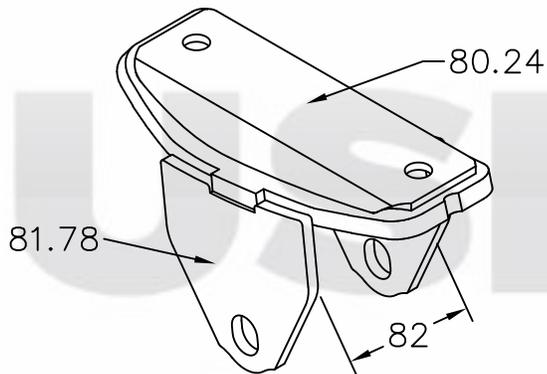
Uso em veículos com suspensão independente ou modelos de suspensores obsoletos



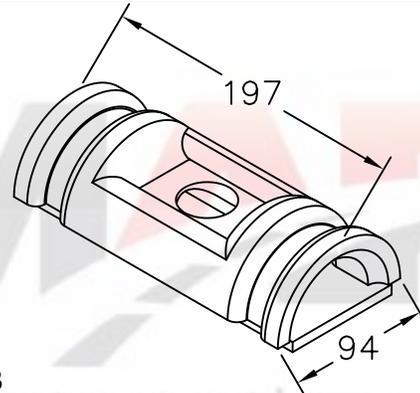
**80.40**  
Suporte de fixação do suspensor pneumático TE modelo Jost suspensão independente



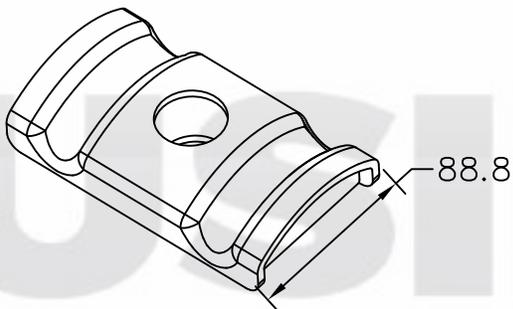
Sapata do TE  
**81.08** - Eixo quadrado  
**81.09** - Eixo redondo



**81.39**  
Esfrega móvel do TE IVECO



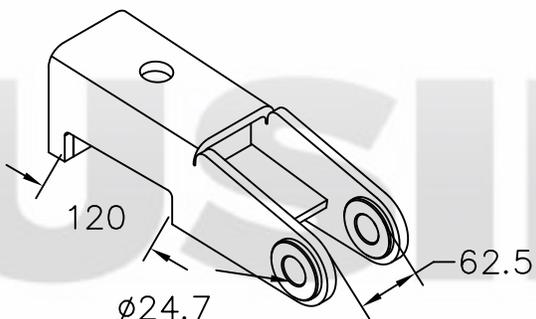
**82.03**  
Separador do grampo de mola do SR



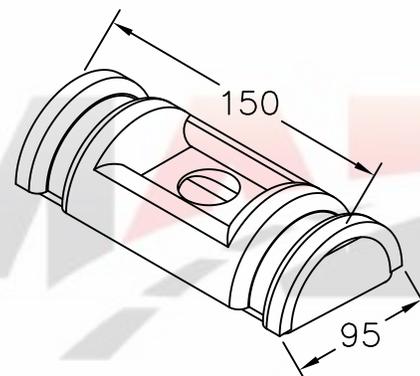
**82.58**  
Separador de grampo mola tipo "D" mola 90mm



**82.68**  
Separador de grampo mola tipo "D" mola 80mm

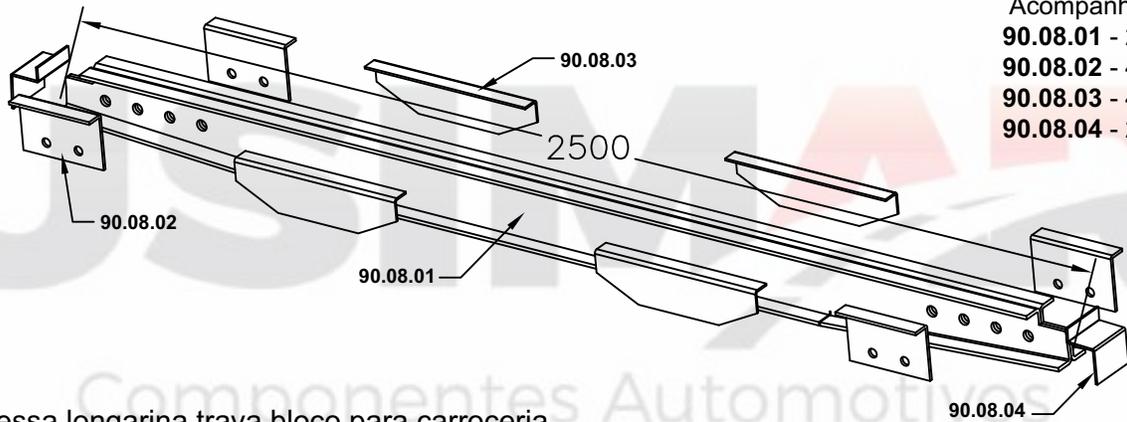


**82.67**  
Sapata superior da tração do TE AGRALE 13000



**82.72**  
Separador de grampo mola tipo "C" mola 90mm

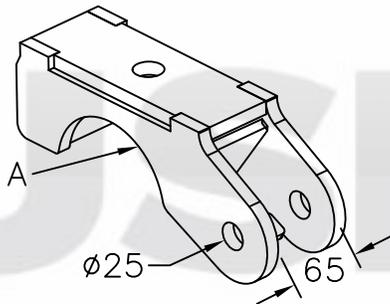
# USIMAR/DIVERSOS



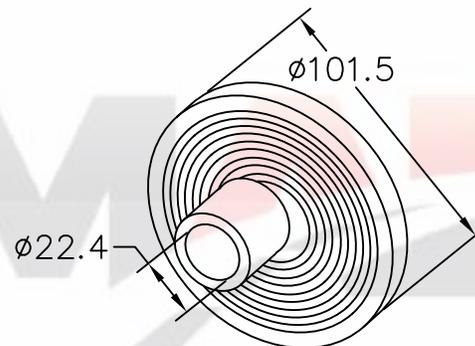
Acompanha:  
**90.08.01** - 2pçs  
**90.08.02** - 4pçs  
**90.08.03** - 4pçs  
**90.08.04** - 2pçs

## 90.08

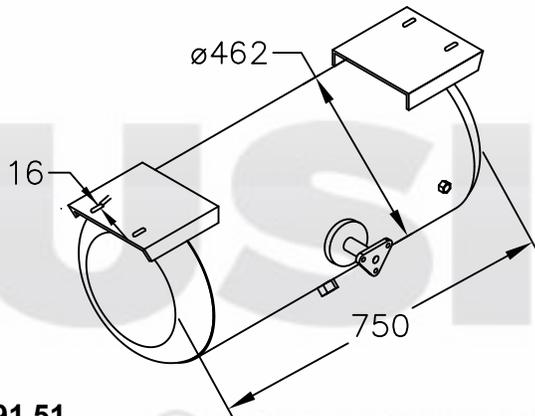
Kit travessa longarina trava bloco para carroceria



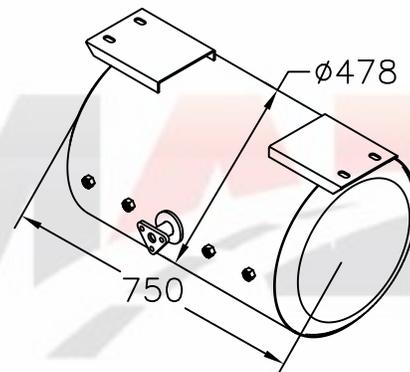
Sapata superior do SR CT Rodovale  
**83.36** - A = Ø130mm (eixo redondo)  
**83.37** - A = Ø131mm (eixo quadrado)



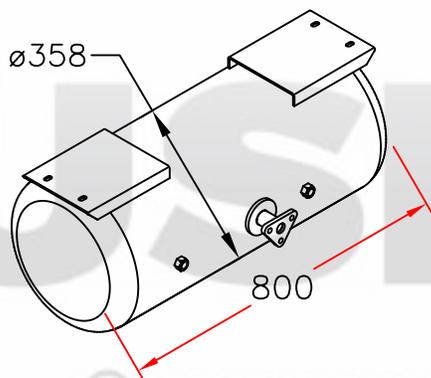
Mancal para regulagem da suspensão a ar  
**83.41** - Fora de centro  
**83.42** - No centro



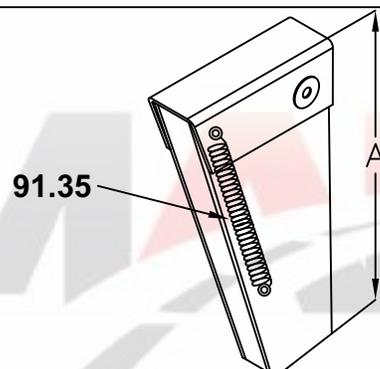
**91.51**  
 Reservatório de ar 117 litros



**91.74**  
 Reservatório de ar 117 litros sistema ABS



**91.75**  
 Reservatório de ar 73 litros sistema ABS

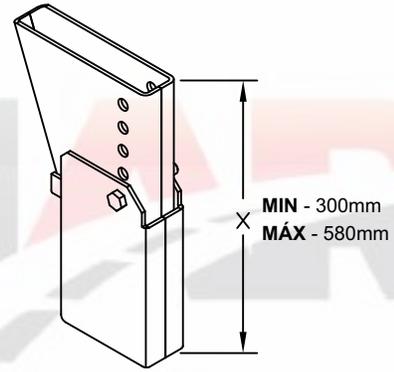
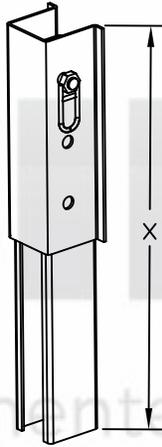


Coluna para choque articulado 23T  
**91.22** - A = 450mm  
**91.23** - A = 820mm

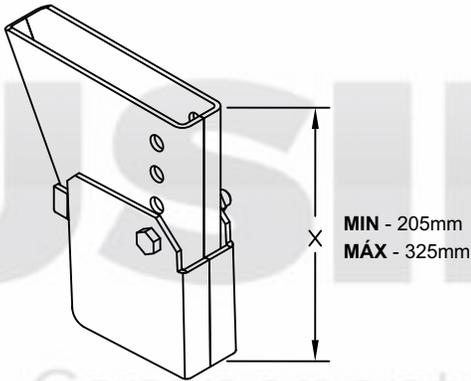
# USIMAR/DIVERSOS

Conjunto coluna 3 posições

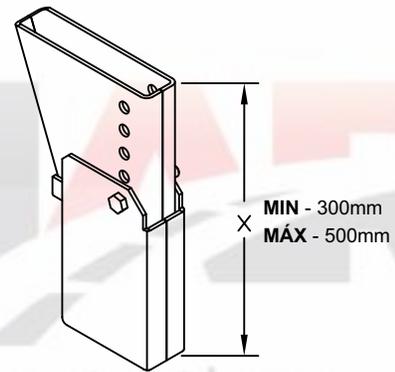
<b>91.24</b>	<b>91.65</b>
<b>X</b>	<b>X</b>
<b>MIN - 664mm</b>	<b>MIN - 550mm</b>
<b>MÁX - 864mm</b>	<b>MÁX - 750mm</b>



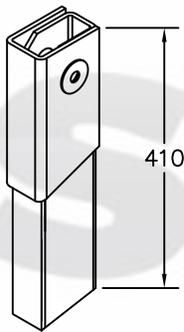
**91.53**  
Coluna do para-choque articulado 23T 7 furos



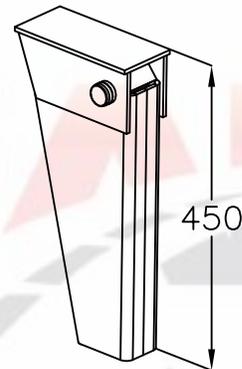
**91.54**  
Coluna do para-choque articulado 10T 4 furos



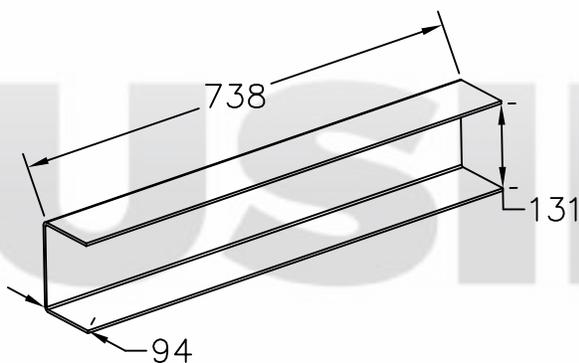
**92.00**  
Coluna do para-choque articulado 23T 5 furos



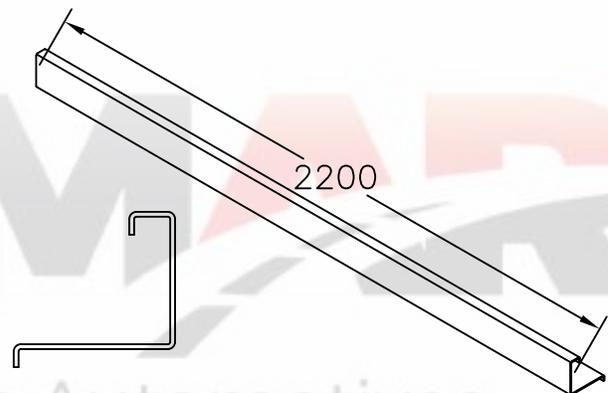
**92.40**  
Conjunto Coluna do Para-choque



**23.69**  
Coluna para-choque articulado até 23,5T

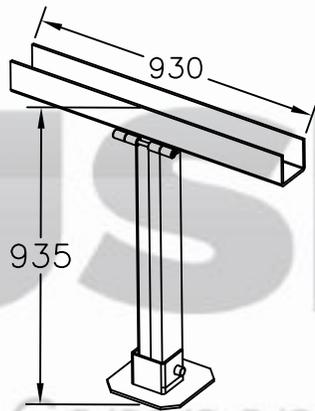


**23.80**  
Separador do para-choque articulado até 23,5T

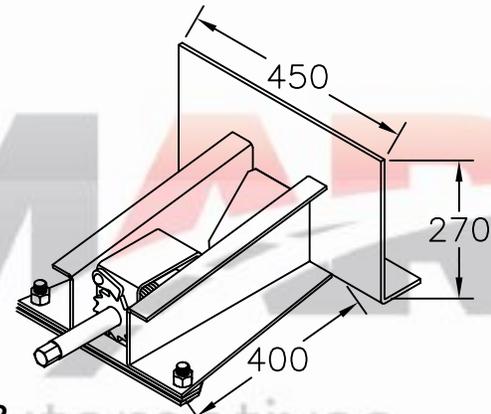


**92.24**  
Lâmina do para-choque

# USIMAR/DIVERSOS

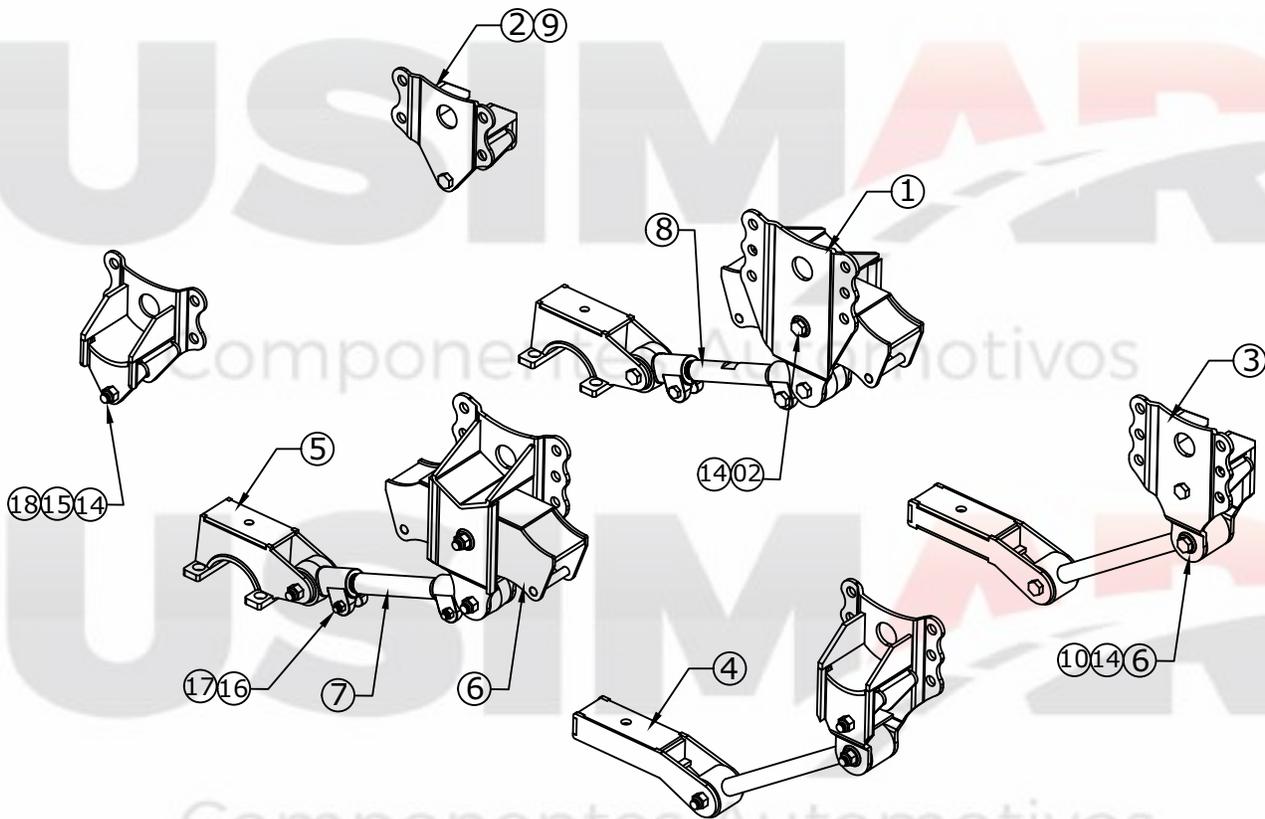


**92.51**  
Terceiro pé do SR bitrem



**93.32**  
Porta estepe do cavalo para roda disco



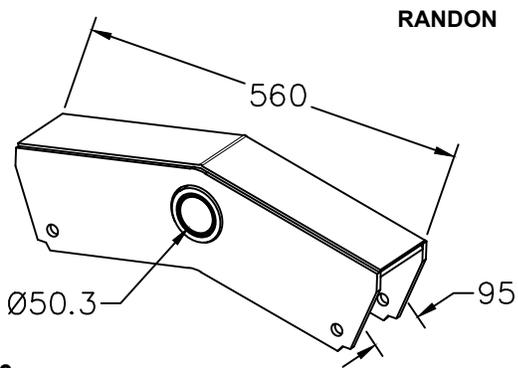


## 74.33

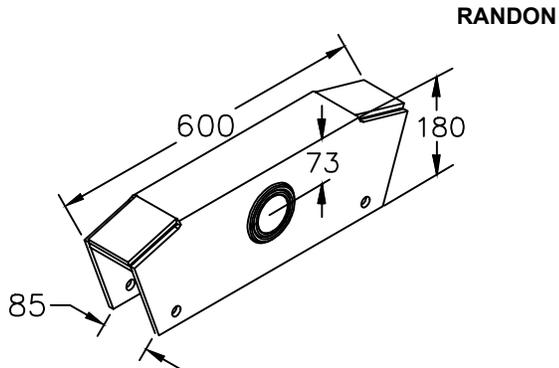
### Suspensão para TE 2 Eixos em 3/4" Usimar

N°	Qtd.	Código	Denominação
01	02	74.22	Suporte Central
02	02	74.20	Suporte Traseiro
03	02	74.21	Suporte Dianteiro
04	02	82.52	Sapata da tração
05	02	82.51	Sapata do eixo redondo
06	02	74.19	Balança p/ pino Ø25mm
07	02	61.58	Tensor Fixo 425mm
08	02	61.59	Tensor regulável 425mm
09	04	82.53	Deslizante da Esfrega
10	08	90.11	Bucha Estabilizadora Nakata
11	02	41.14	Parafuso M24 x 160mm
12	10	50.26	Porca autotravante M24 x 2mm
13	06	41.16	Parafuso do tensor M24
14	04		Parafuso 5/8" x 5" zincado
15	04		Porca 5/8" autotravante
16	04		Parafuso M16 x 80 mm
17	04		Porca autotravante M16
18	04		Tubo Ø1" x 83mm

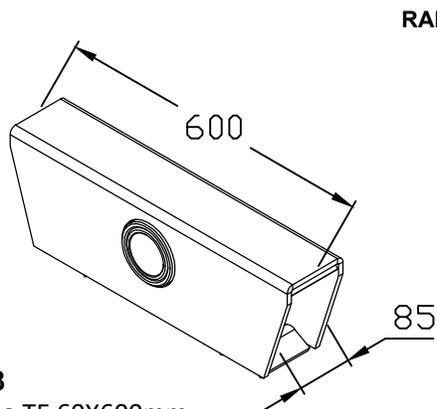
# ADENDOS



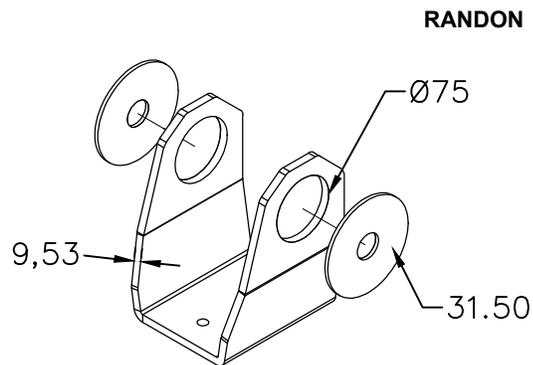
**76.00**  
Balança leve Randon com 560mm



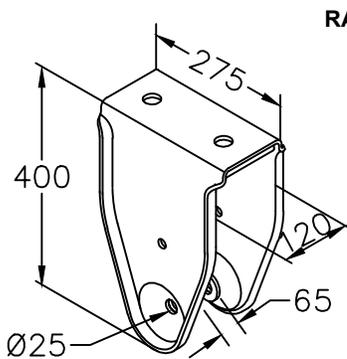
**77.43**  
Balança do TE p/ pino Ø60 x 600mm



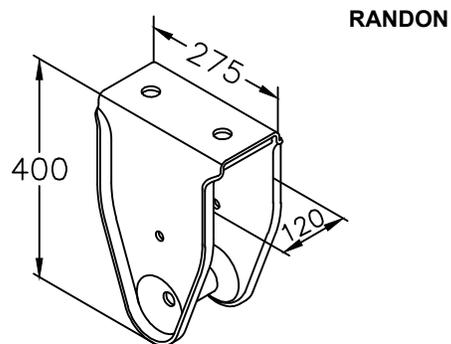
**77.88**  
Balança TE 60X600mm



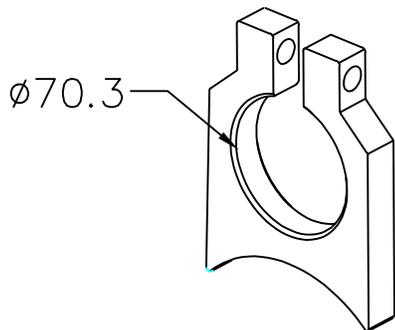
**72.38**  
Chapa da articulação pneumática SR



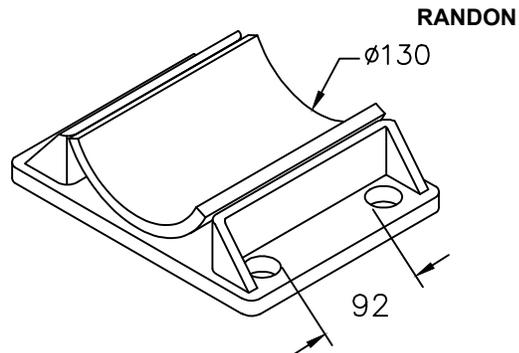
**73.36**  
2º suporte da suspensão distanciada 2 eixos do SR 2009



**73.41**  
1º suporte da suspensão distanciada 2 eixos do SR 2009

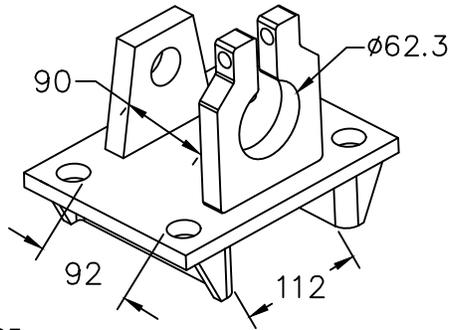


**80.60**  
Mancal externo oval do TE ou SR



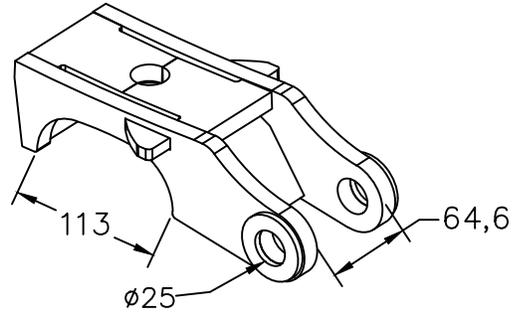
**80.64**  
Sapata do eixo redondo do SR

RANDON



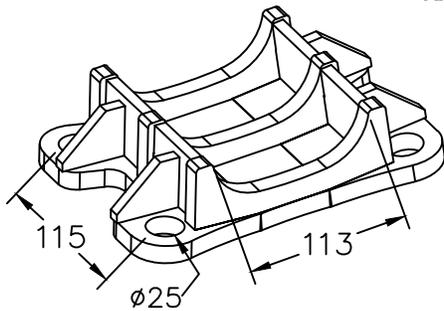
**80.85**  
Sapata c/ mancais LS RN

RANDON



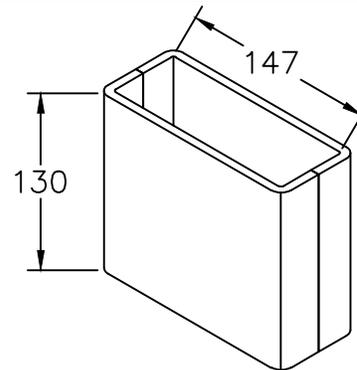
**83.62**  
Sapata superior do SR 2019

RANDON



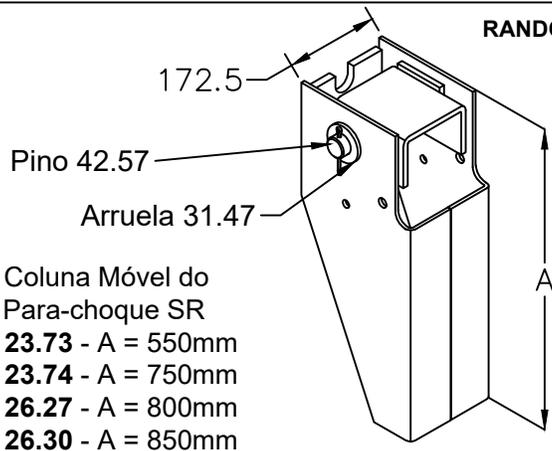
**83.63**  
Sapata inferior do SR 2019

RANDON



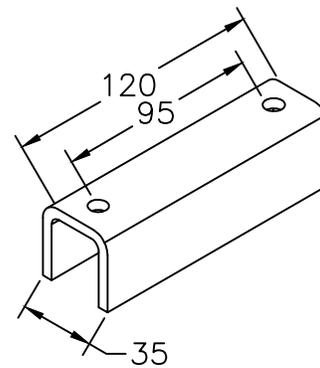
**25.46**  
Caixa do Fueiro largura de 145mm

RANDON



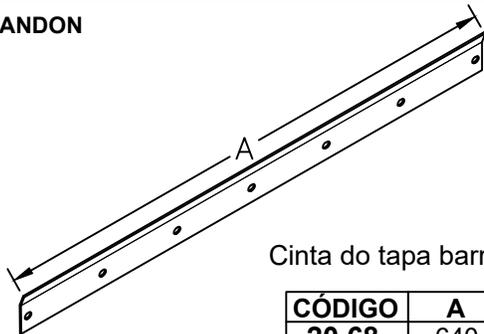
Coluna Móvel do  
Para-choque SR  
**23.73** - A = 550mm  
**23.74** - A = 750mm  
**26.27** - A = 800mm  
**26.30** - A = 850mm

RANDON



**26.11**  
Chaveta U inferior do pino da balança do SR para pino Ø60mm

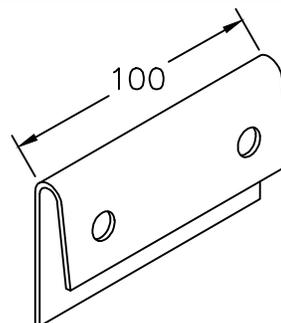
RANDON



Cinta do tapa barro RD

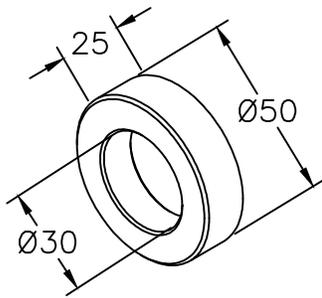
CÓDIGO	A
<b>20.68</b>	640
<b>20.69</b>	590
<b>20.70</b>	670

RANDON



**25.49**  
Fixador do paralamo do SR

Pino tensor  
42.16

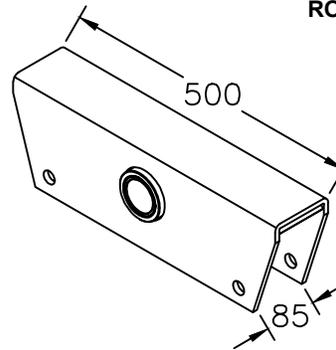


RANDON

51.70

Bucha interna do braço equalizador 1170mm do SR  
distanciado

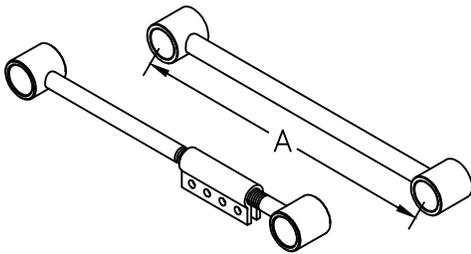
RODOVIÁRIA



71.31

Balança do TE modelo 88 p/ pino 50mm com  
furos para parafuso

RODOVIÁRIA

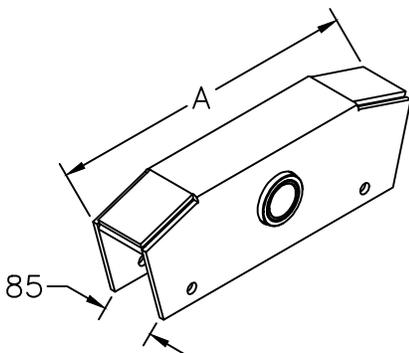


Bucha 50.13  
Luva 60.07

Tensor do Terceiro eixo

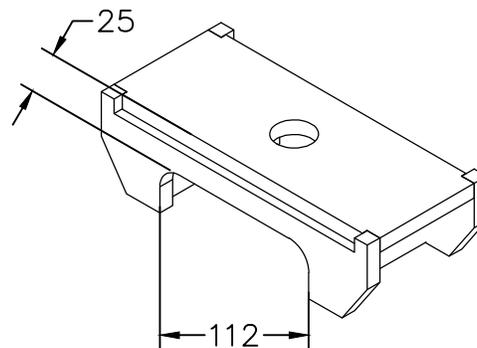
FIXO	REGULÁVEL
61.13 - A = 692mm	60.04 - A = 692mm
	60.57 - A = 560mm
61.49 - A = 800mm	60.83 - A = 800mm
61.28 - A = 750mm	61.26 - A = 750mm
61.29 - A = 650mm	61.27 - A = 650mm
	62.14 - A = 700mm
61.45 - A = 822mm	60.24 - A = 822mm

RODOVIÁRIA



Balança do TE para pino ø50  
70.31 A= 510mm  
78.09 A= 550mm

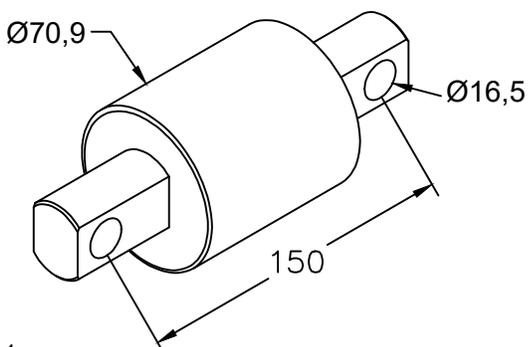
GUERRA



80.79

Sapata superior do TE LS Scania 124

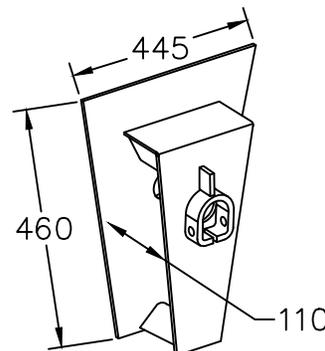
GUERRA



90.11

Bucha molecular NK do tensor

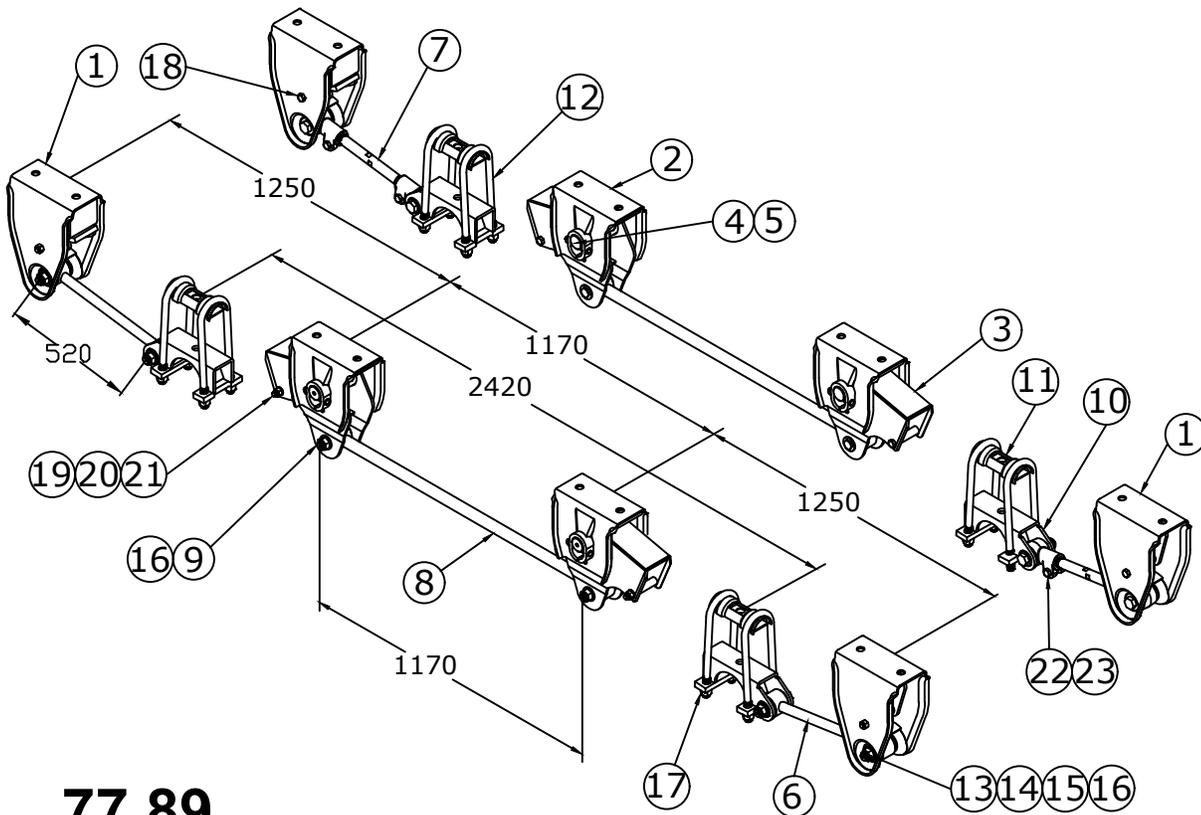
IDEROL



73.92

Suporte central do TE para pino Ø60mm

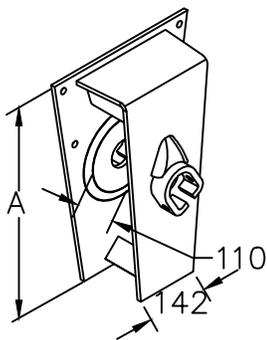
## RANDON



### 77.89

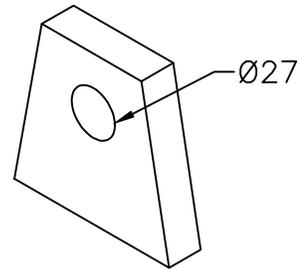
Suspensão 2 Eixos Distanciada c/ Braço do SR

Nº	Qtd.	Código	Denominação
1	04	71.66	Suporte diant./tras. c/ esfrega móvel 80.01
2	04	73.47	Suporte Central Curto
3	04	70.01	Balança Curta (pino tensor Ø30mm)
4	04	40.01	Pino da Balança Ø49.9
5	08	41.18	Contrapino com porca autotrav. 9/16"
6	02	61.60	Tensor fixo c/ 520mm
7	02	61.63	Tensor regulável c/ 520mm c/ luvas fundidas
8	02	63.11	Braço Equalizador c/ 1170mm
9	04	42.16	Pino do tensor leve Ø30x87mm
10	04	80.50	Sapata do SR eixo redondo
11	04	82.72	Separador grampo de mola
12	08		Grampo de mola tipo "C" Ø7/8" x 92 x 360
13	08	90.63	Bucha molecular do tirante 2045.3
14	08	41.16	Pino do tensor M24x125mm
15	12	50.26	Porca do pino do tensor M24
16	12	30.92	Arruela do pino do tensor
17	16	90.13	Porca sext. 7/8" dupla
18	04		Parafuso 5/8" x 6"
19	08		Porca 5/8" autotrav.
20	04		Parafuso 5/8" x 5"
21	04	82.04	Tubo 93mm
22	04		Parafuso M16 x 80 classe 8.8
23	04		Porca M16 autotrav.



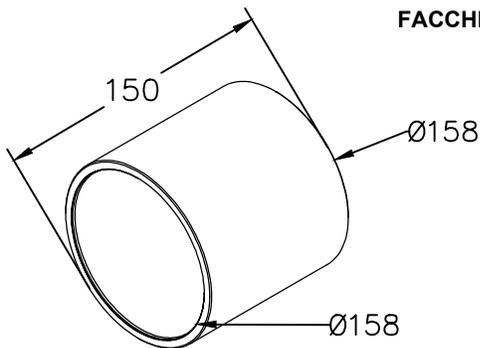
**IDEROL**

Suporte central maior do TE para pino Ø60mm  
**74.82** A = 410mm  
**75.69** A = 496mm



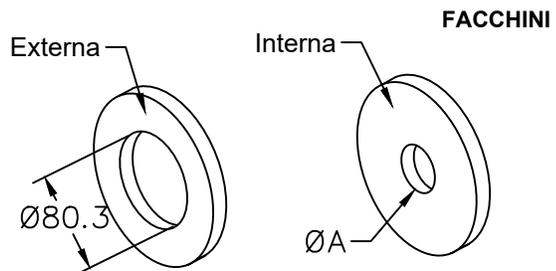
**IDEROL**

**83.64**  
Mancal interno do pino tensor TE



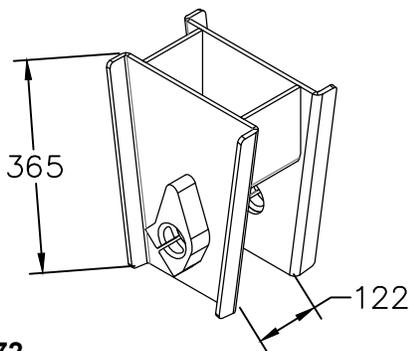
**FACCHINI**

**50.35**  
Bucha externa p/ mola rígida susp. pneumática



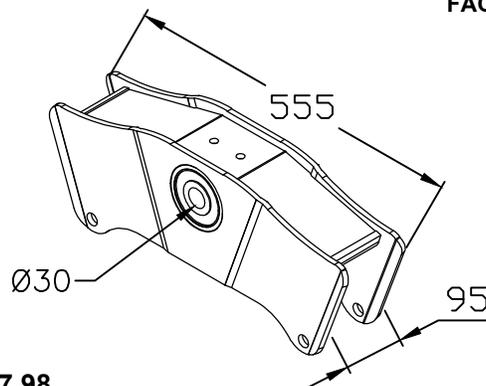
**FACCHINI**

Arruela da suspensão pneumática 1/2"  
**30.29** - Interna A = Ø30,3mm  
**30.30** - Externa  
**31.49** - Interna A = Ø26,5mm  
**30.97** - Interna A = Ø25,5mm



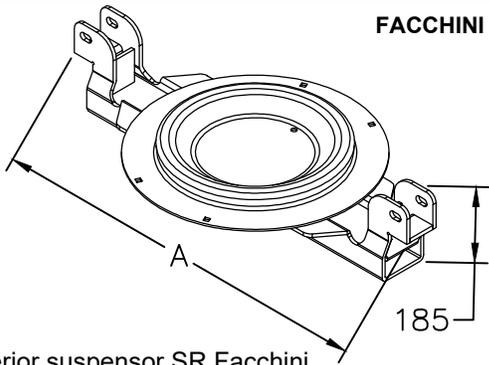
**FACCHINI**

**77.72**  
Sup. central p/ pino Ø60mm SR carrega tudo



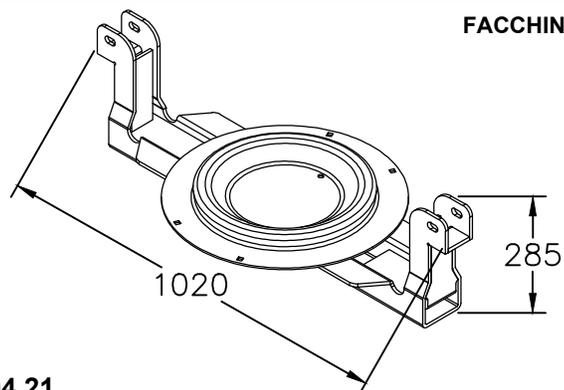
**FACCHINI**

**77.98**  
Balança bucha molecular SR Facchini 2021



**FACCHINI**

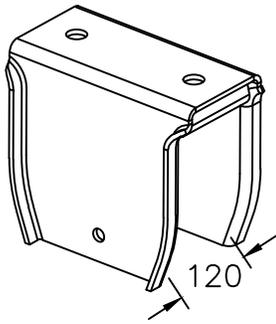
Base inferior suspensor SR Facchini  
**94.19** - A = 900mm  
**94.20** - A = 940mm



**FACCHINI**

**94.21**  
Base inferior suspensor SR Facchini 1020mm

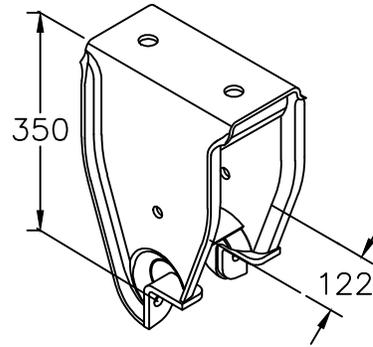
LIBRELATO



**77.52**

Suporte guia dianteiro da susp. distanciada

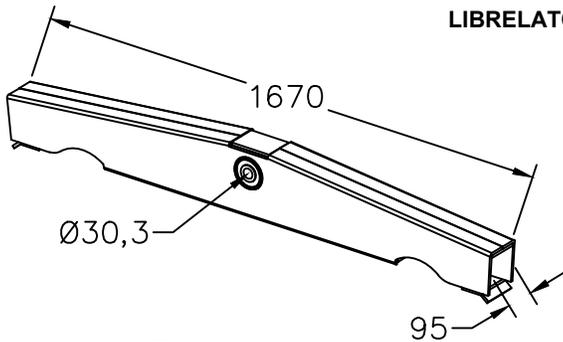
LIBRELATO



**77.53**

Suporte guia traseiro da susp. distanciada

LIBRELATO

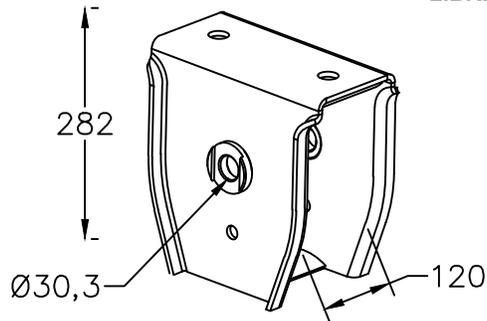


Balança do SR distanciado linha Horizon

**77.54** - C/ bucha molecular

**77.55** - S/ bucha molecular

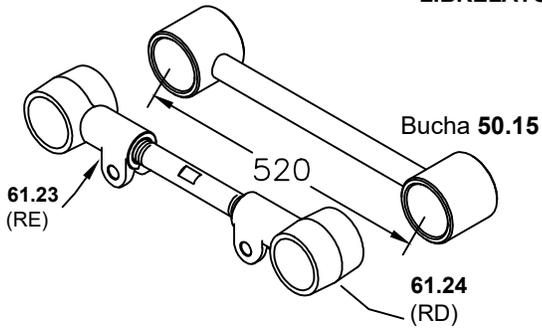
LIBRELATO



**77.56**

Suporte central da susp. distanciada

LIBRELATO

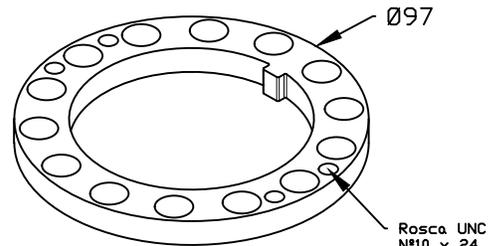


Tensores traseiros do SR distanciado

**62.86** - Fixo

**61.90** - Regulável

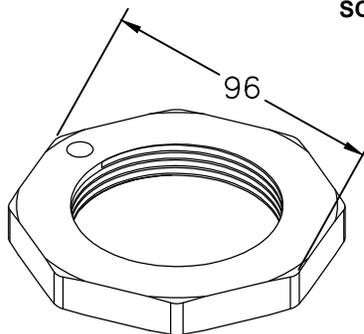
SCHIFFER



**31.55**

Arruela perfurada p/ porca oitavada 96mm SR Schiffer

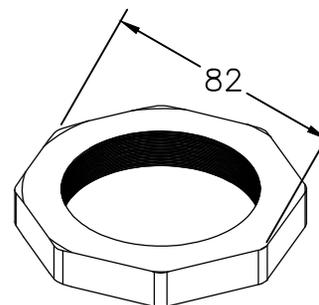
SCHIFFER



**51.71**

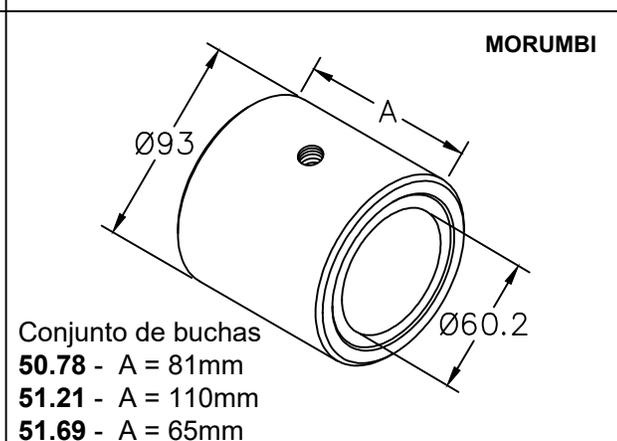
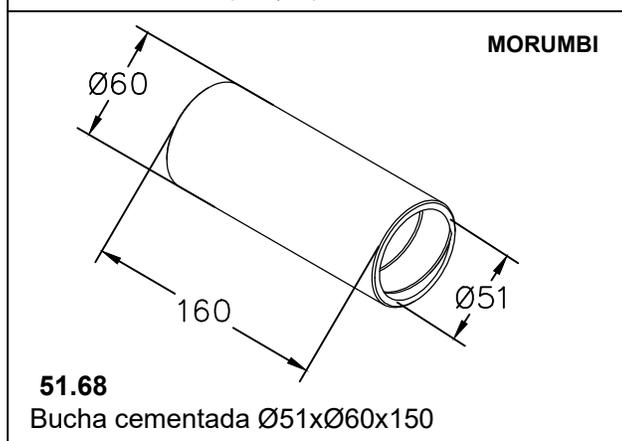
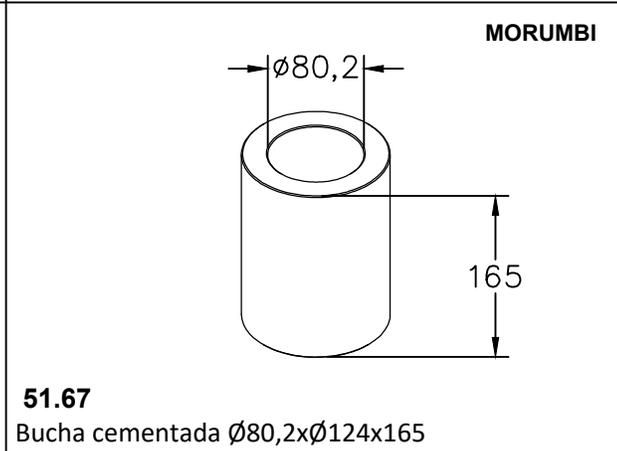
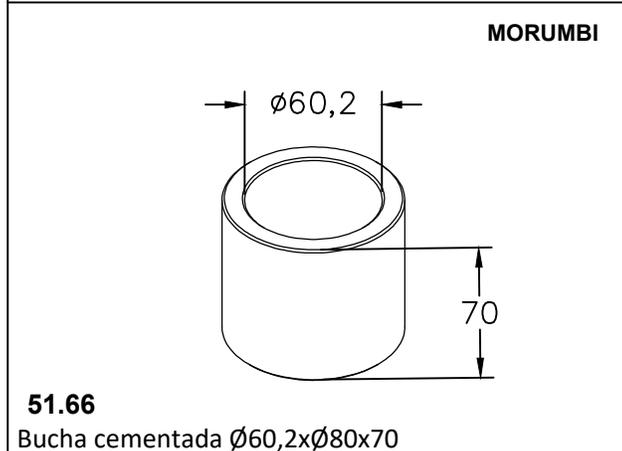
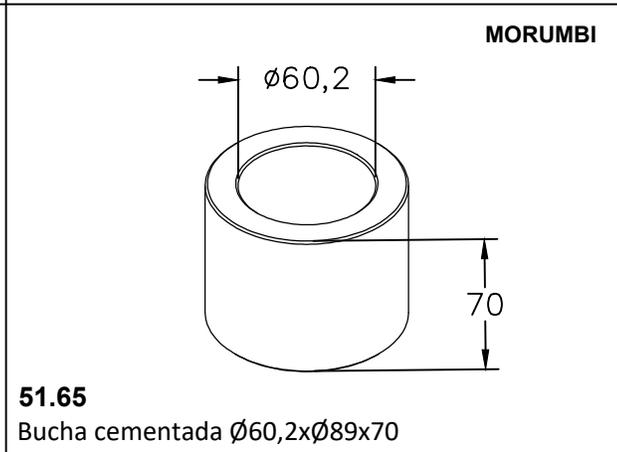
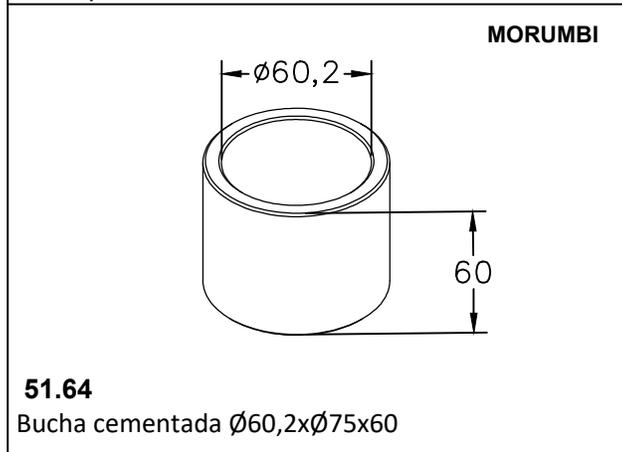
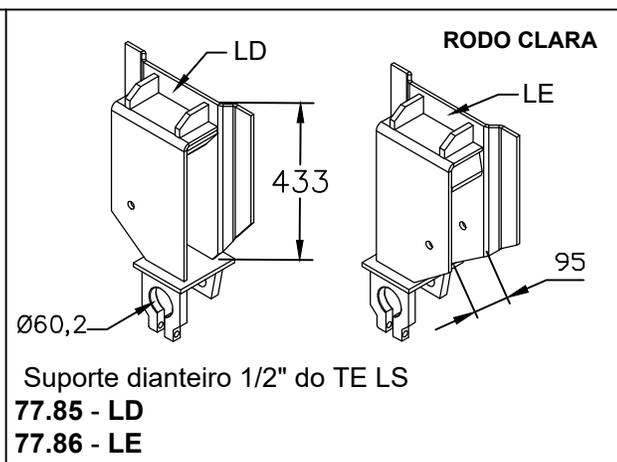
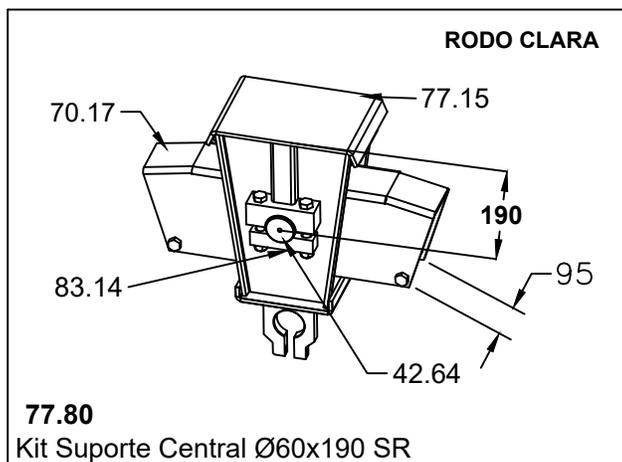
Porca oitavada 96mm - rosca 2.5/8"X16FPP SR

SCHIFFER



**51.72**

Porca oitavada 82mm - rosca 2.5/8"X16FPP SR



**MORUMBI**

Tensor regulável do SR carrega tudo  
**60.93** - A = 490mm  
**61.04** - A = 575mm  
**61.05** - A = 280mm

**MORUMBI**

Tensor do SR carrega tudo  
**60.95** - Fixo  
**60.94** - Regulável

Buchas 50.11

**MORUMBI**

**73.24**  
 Balança do SR carrega tudo p/ pino Ø50mm

**MORUMBI**

**74.55**  
 Suporte dianteiro inclinado carrega tudo morumbi

**MORUMBI**

Suporte traseiro do SR carrega tudo morumbi  
 c/ esfrega móvel  
**73.62** - LD  
**73.63** - LE

**MORUMBI**

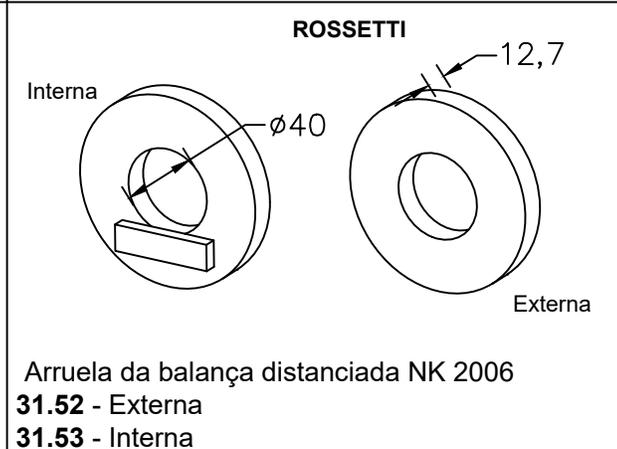
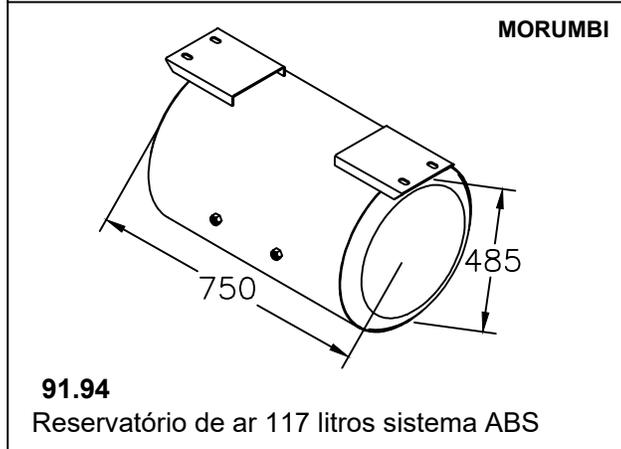
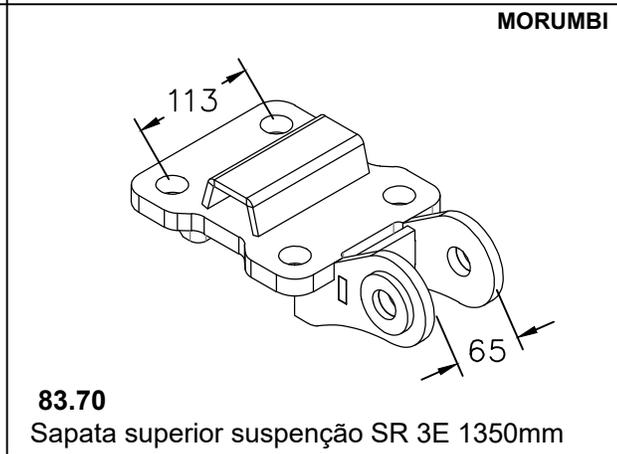
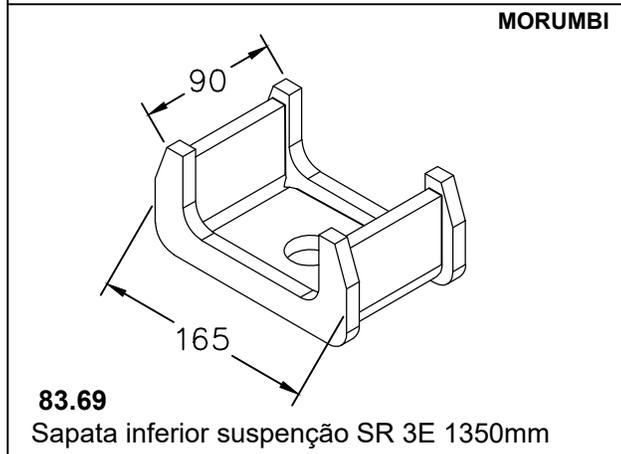
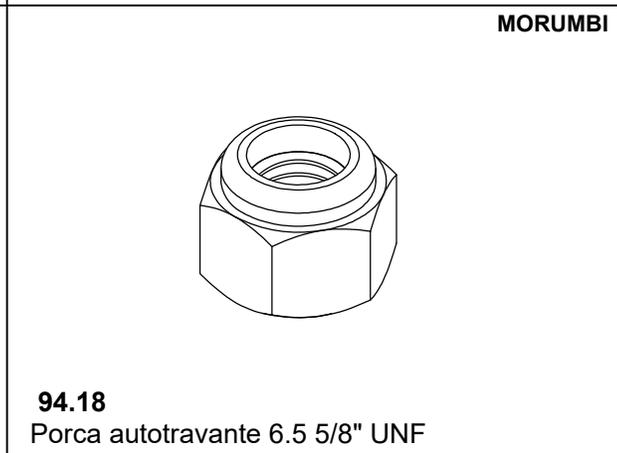
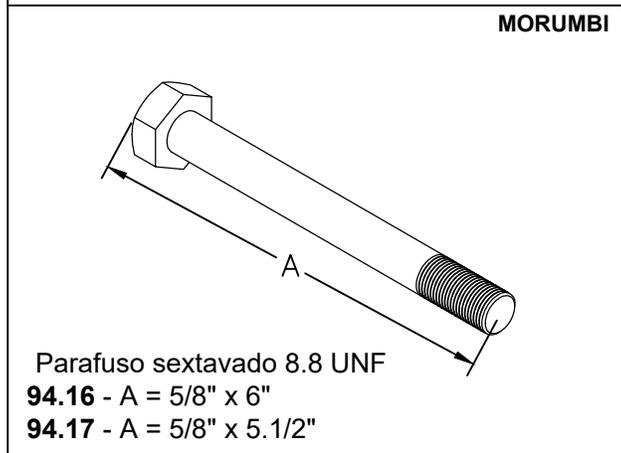
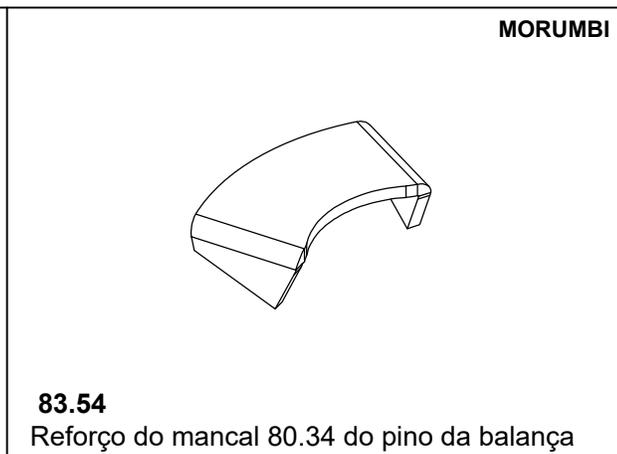
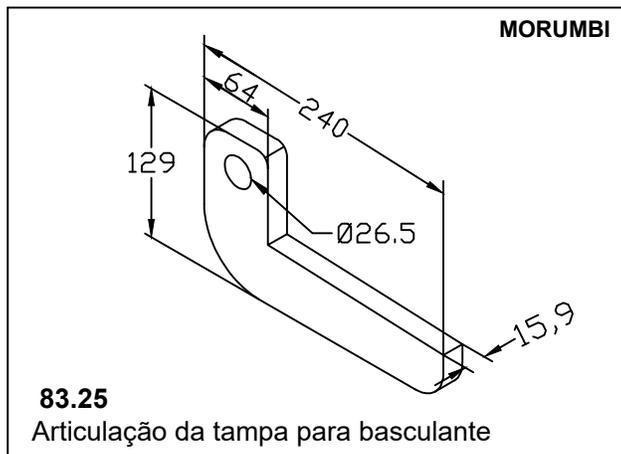
**73.64**  
 Suporte central do SR carrega tudo morumbi  
 p/ pino 50mm

**MORUMBI**

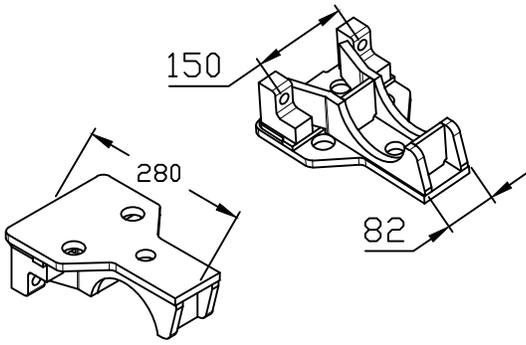
**81.96**  
 Sapata inferior p/ grampo 140mm carrega tudo

**MORUMBI**

**82.61**  
 Mancal do pino da basculante

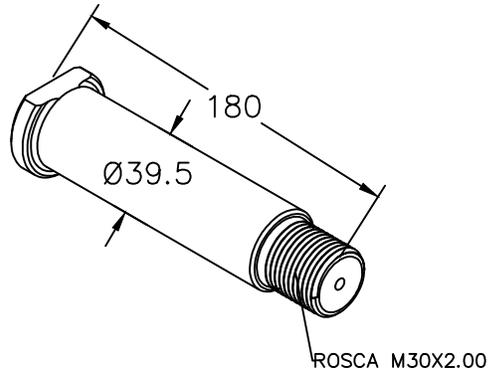


# ROSSETTI



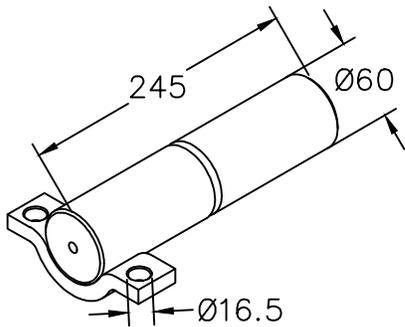
**83.92**

Sapata superior antigo do SR Rosseti



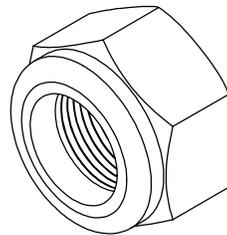
**40.73**

Pino do equalizador c/ 1170mm (M30x170mm)



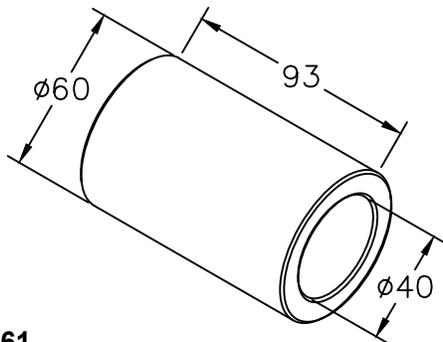
**41.88**

Pino da balança SR distanciada 2 eixos



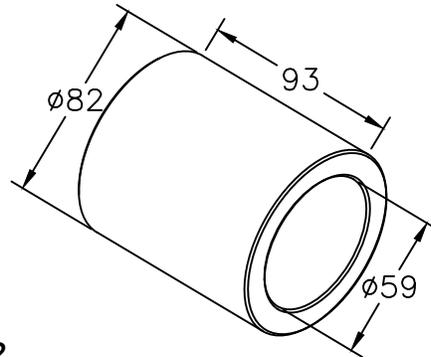
**50.30**

Porca do pino do tensor M30



**51.61**

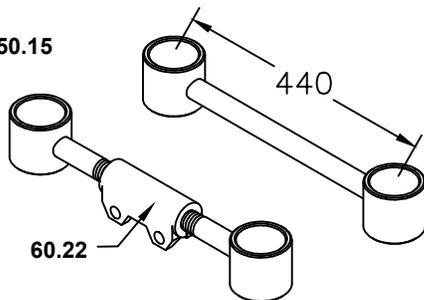
Bucha interna do equalizador de 1.170mm SR vanderléia



**51.62**

Bucha externa do equalizador de 1.170mm SR vanderléia

Bucha 50.15

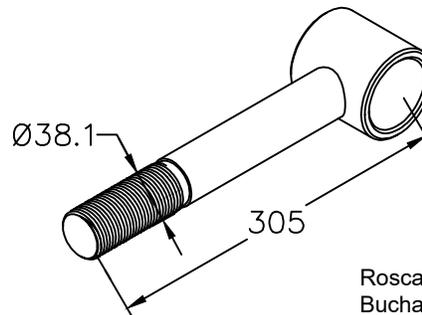


60.22

Tensor para bucha molecular do SR

**60.35** - Regulável

**60.36** - Fixo

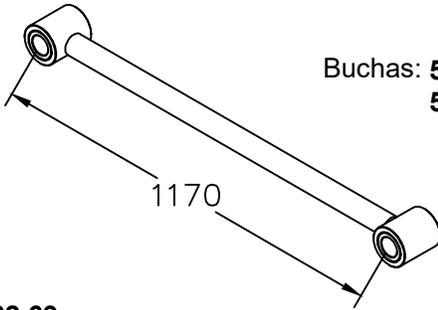


**61.02**

Ponteira do tensor Nakata RD

Rosca 8 Fpp  
Bucha 50.15

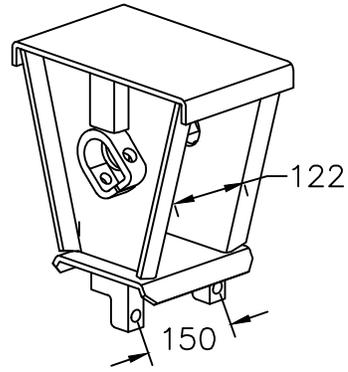
# ROSSETTI



Buchas: 51.61  
51.62

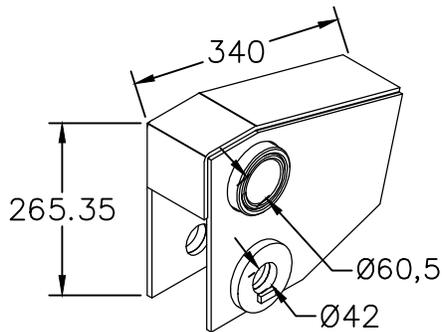
**62.69**

Equalizador c/ 1170mm SR  
suspensão distanciada 2 eixos



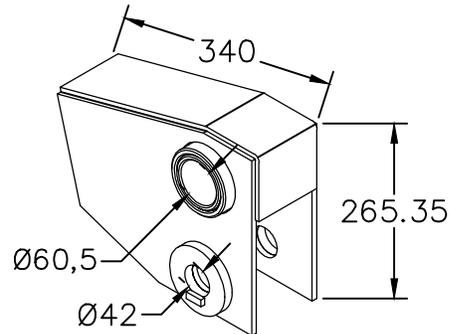
**74.74**

Suporte central do SR p/ pino 50mm



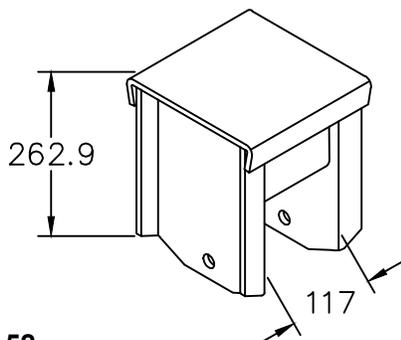
**76.49**

Balança LE pino Ø60mm SR distanciada 2 eixos



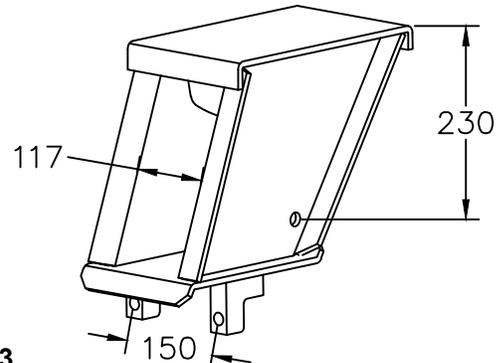
**76.50**

Balança LD pino Ø60mm SR distanciada 2 eixos



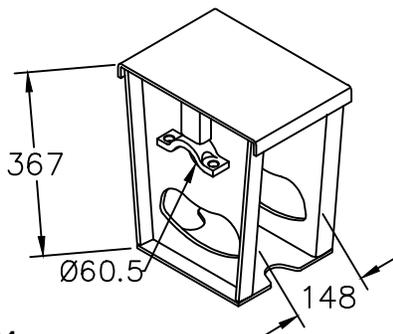
**76.52**

Suporte traseiro do SR



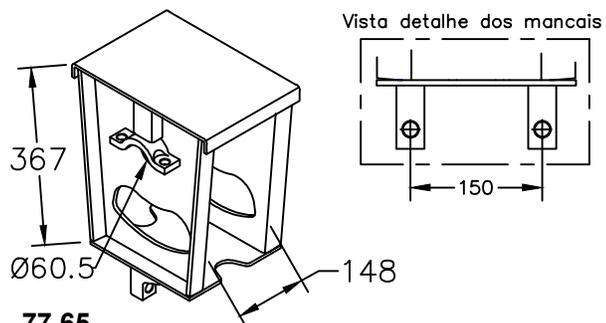
**76.53**

Suporte dianteiro do SR



**77.64**

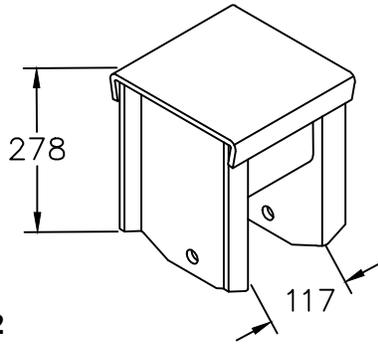
Suporte central dianteiro s/ mancal NK SR  
distanciada 2 eixos



**77.65**

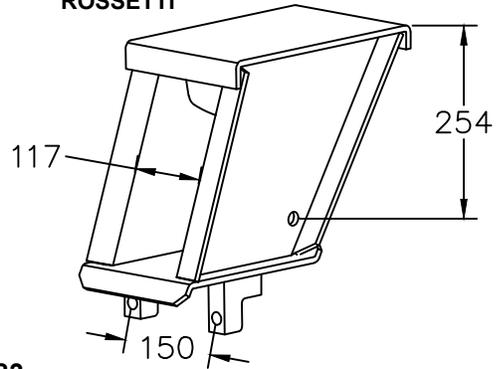
Suporte central traseiro c/ mancal NK SR  
distanciada 2 eixos

ROSSETTI



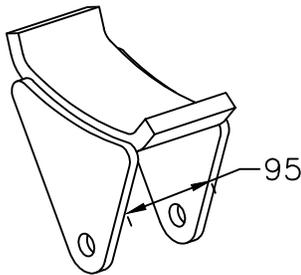
**77.82**  
Suporte traseiro SR distanciado 2 eixos

ROSSETTI



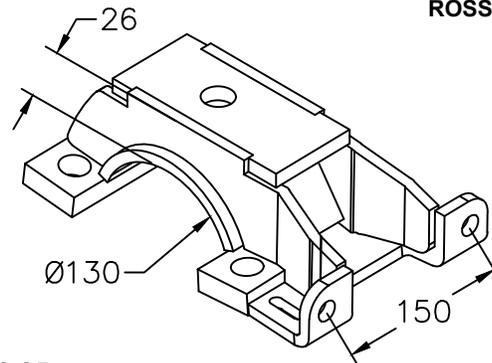
**77.83**  
Suporte dianteiro SR distanciado 2 eixos

ROSSETTI



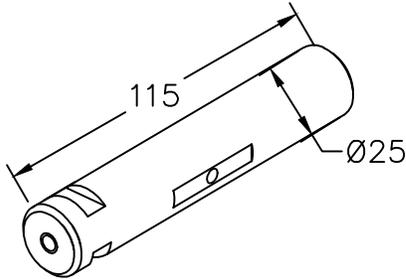
**81.13**  
Deslizante da esfrega do suporte tras/diant do SR

ROSSETTI



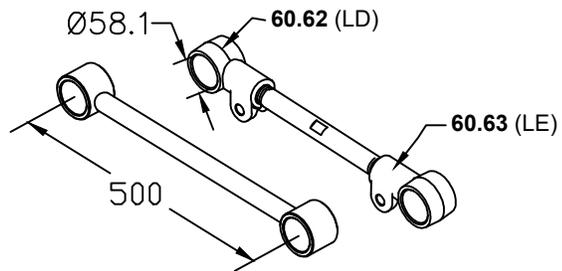
**83.35**  
Sapata superior do SR p/ eixo redondo

MERCEDES-BENZ



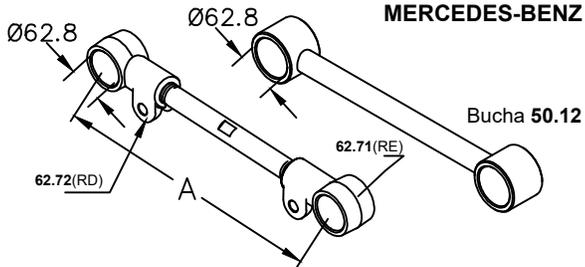
Pino do olhal da mola dianteira MB 1111  
**42.61** - cementado  
**42.62** - comum

MERCEDES-BENZ



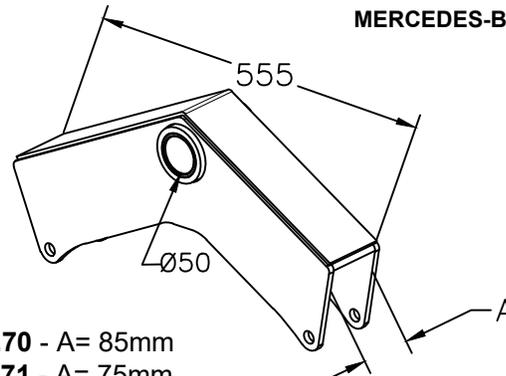
Tensor do TE MB 1944  
**63.06** - Regulável  
**63.05** - Fixo

MERCEDES-BENZ



Tensor do TE MB ATEGO 3030

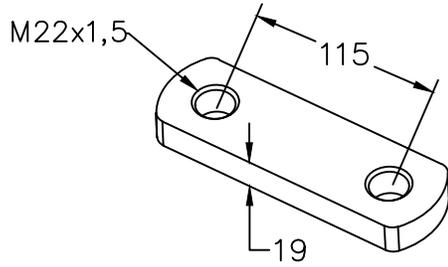
MERCEDES-BENZ



**77.70** - A= 85mm  
**77.71** - A= 75mm  
Balança Super Asa Delta Atego

Medida A	Regulável	Fixo
420mm	<b>63.08</b> -dianteiro	<b>63.07</b> -dianteiro
440mm	<b>63.10</b> -traseiro	<b>63.09</b> -traseiro

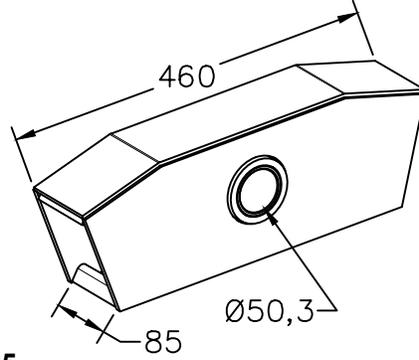
MERCEDES-BENZ



**74.75**

Jumelo de mola dianteiro parte traseira do MB Atego

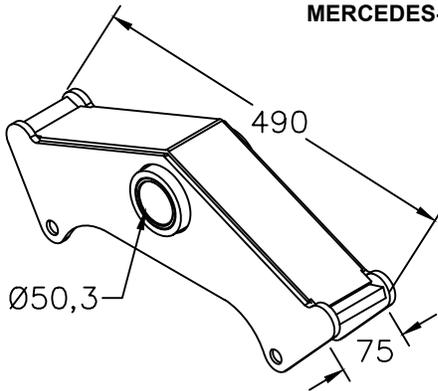
MERCEDES-BENZ



**74.85**

Balança pino Ø50x460mm TE MB Accelo

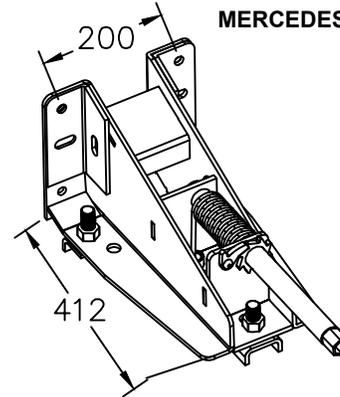
MERCEDES-BENZ



**77.48**

Balança Ø50mm mola 70mm MB Accelo 1316

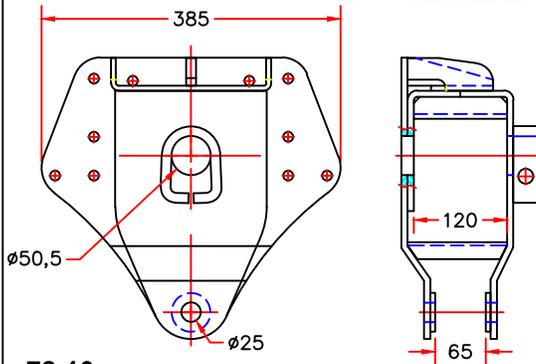
MERCEDES-BENZ



**73.69**

Porta estepe roda disco para MB Atego

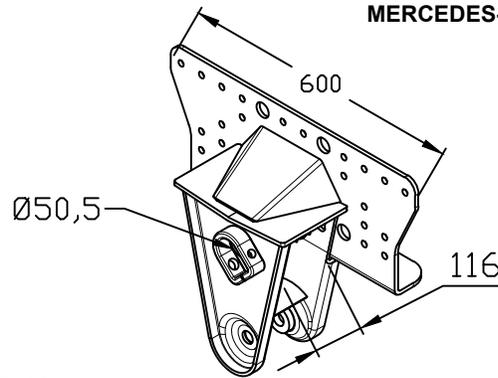
MERCEDES-BENZ



**78.10**

Suporte central TE 3/4" Suspensys MB Accelo 1016

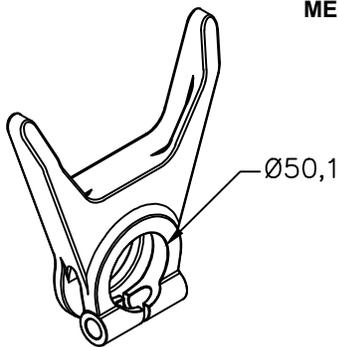
MERCEDES-BENZ



**78.13**

Suporte central TE Suspensys MB Atego 2425

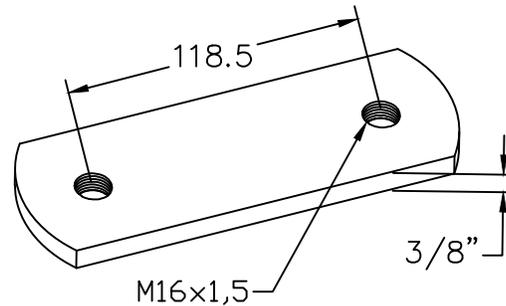
MERCEDES-BENZ



**81.52**

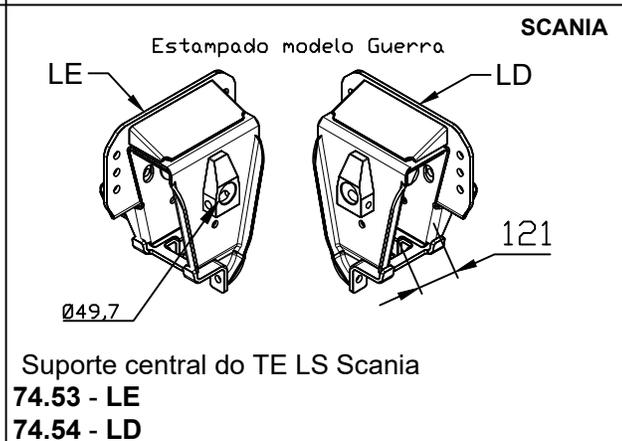
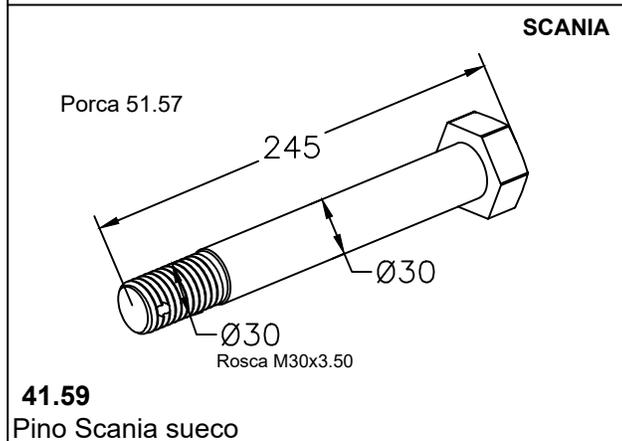
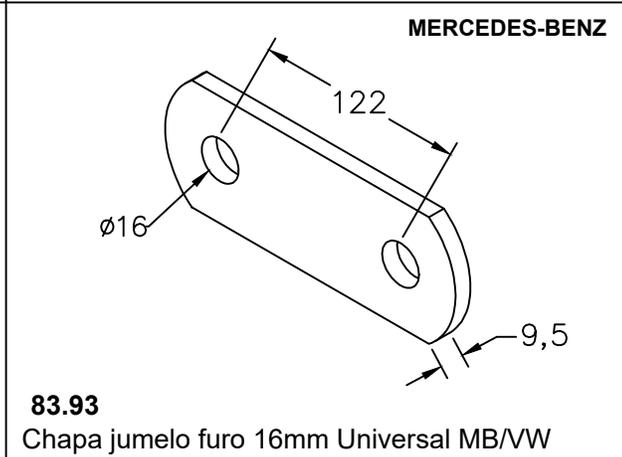
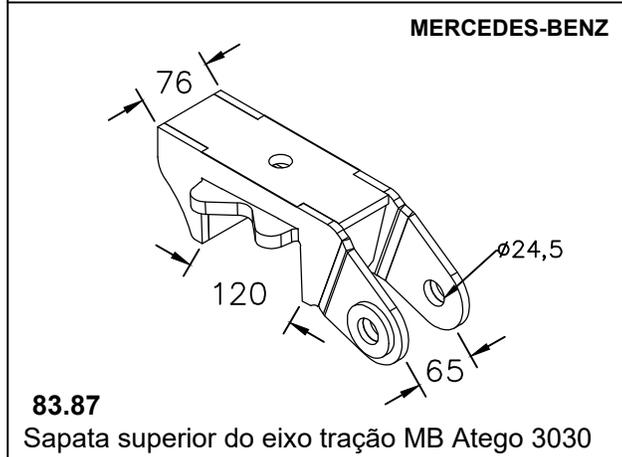
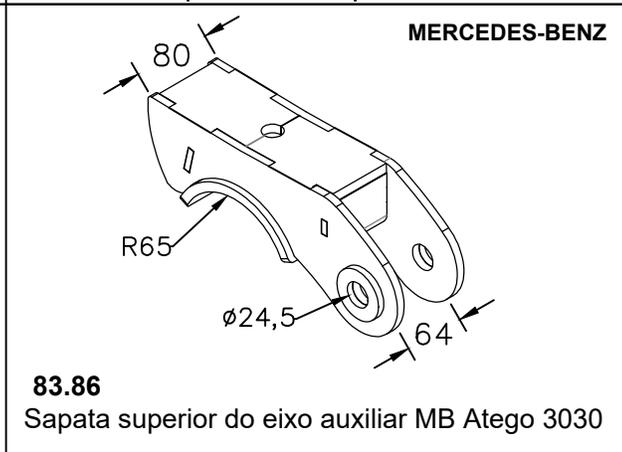
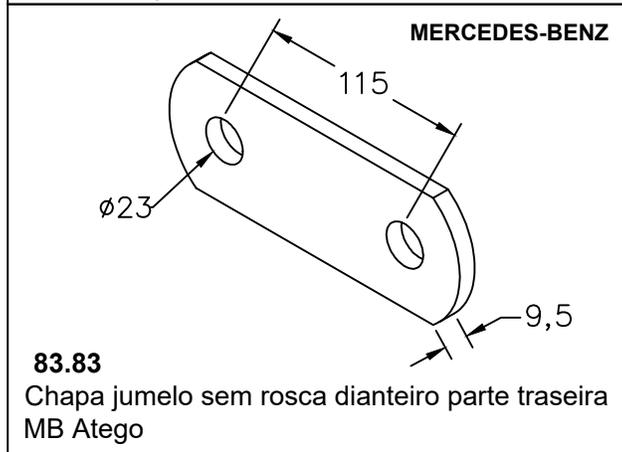
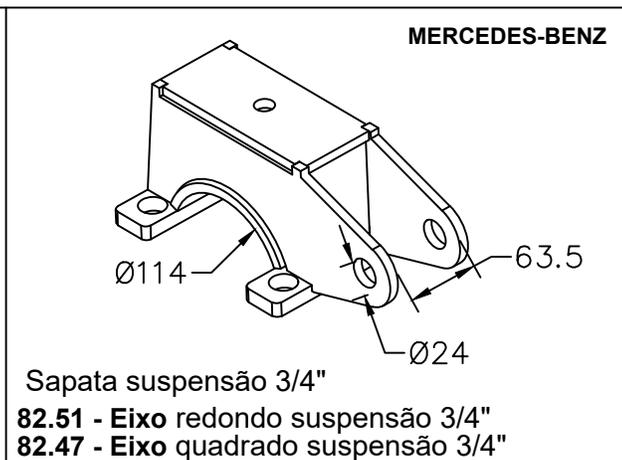
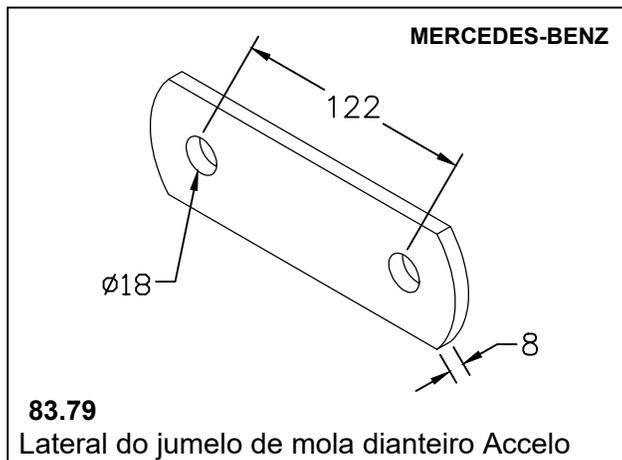
Mancal externo do suporte central Atego KLL 2425

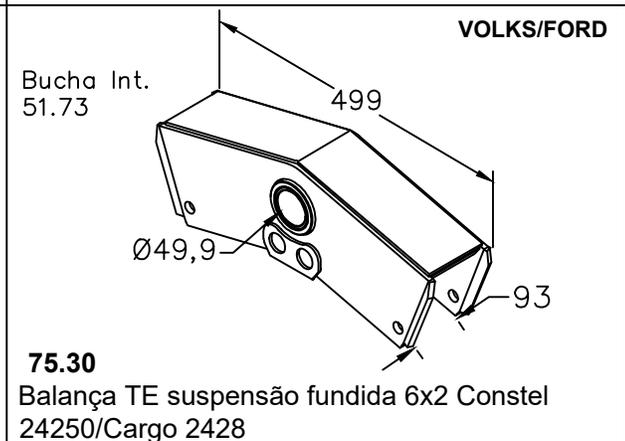
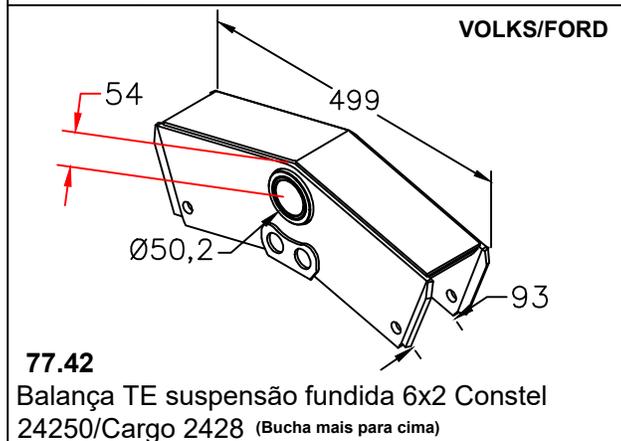
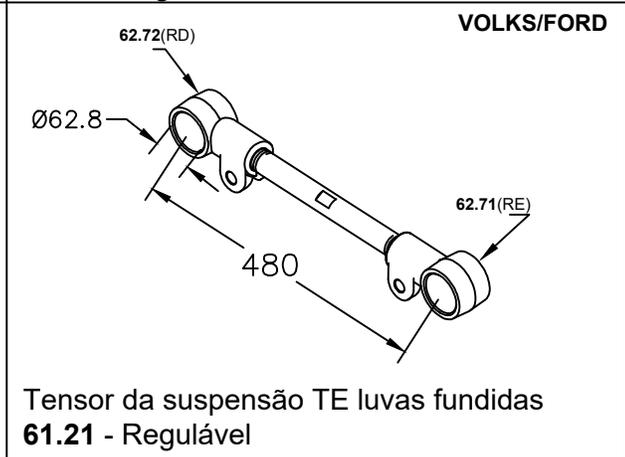
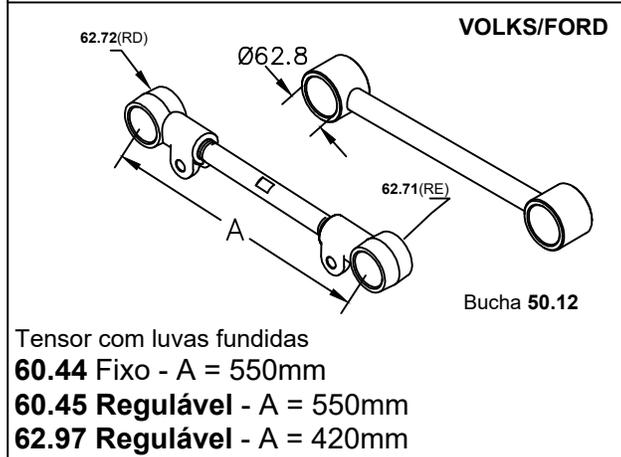
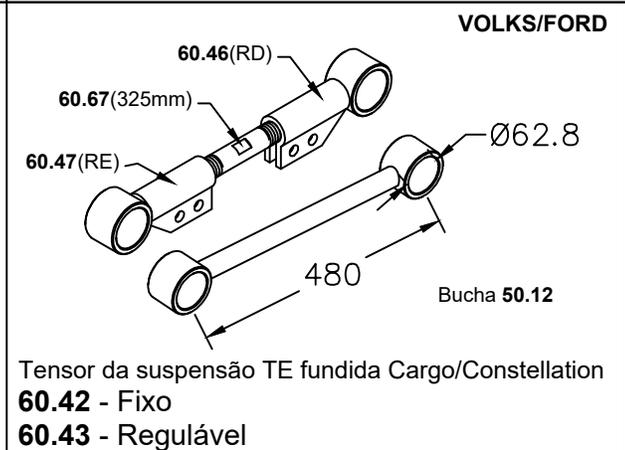
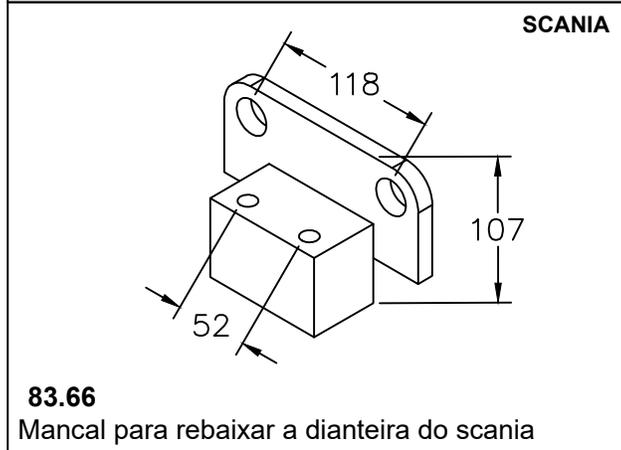
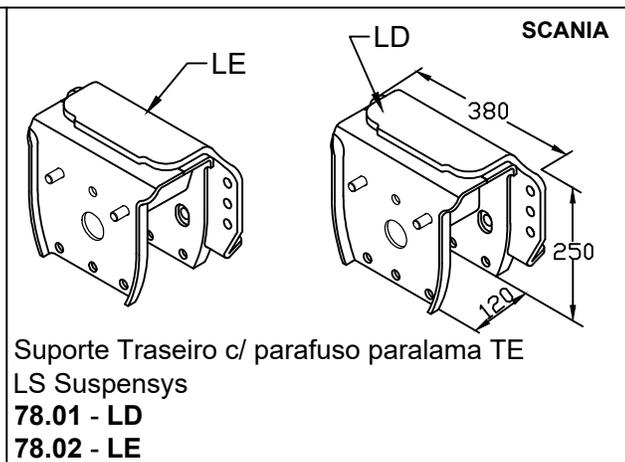
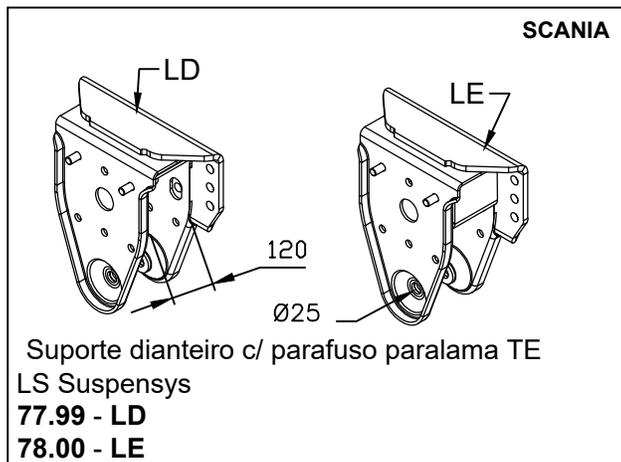
MERCEDES-BENZ

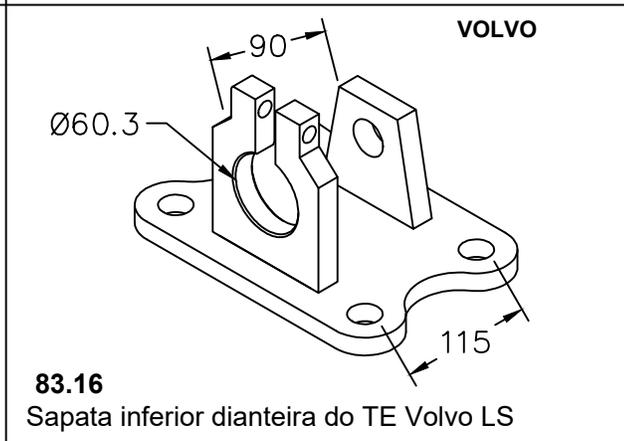
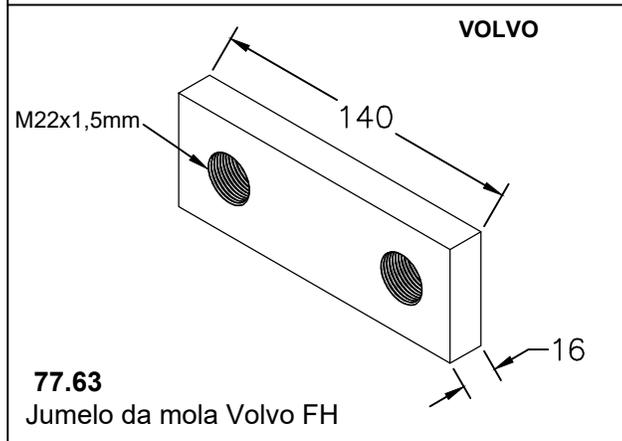
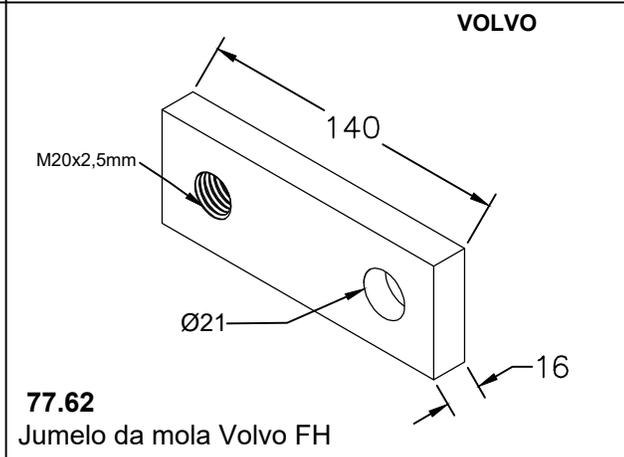
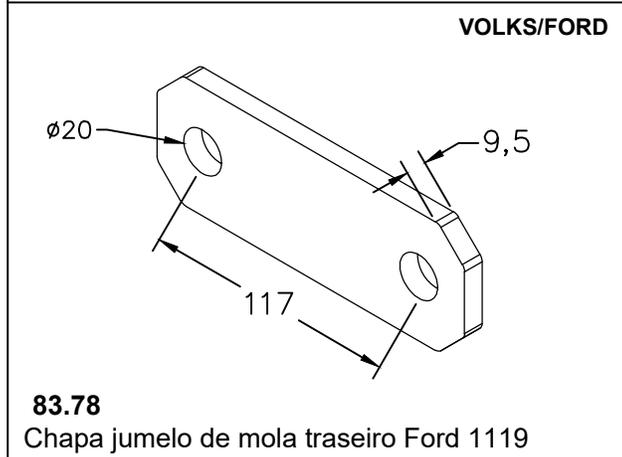
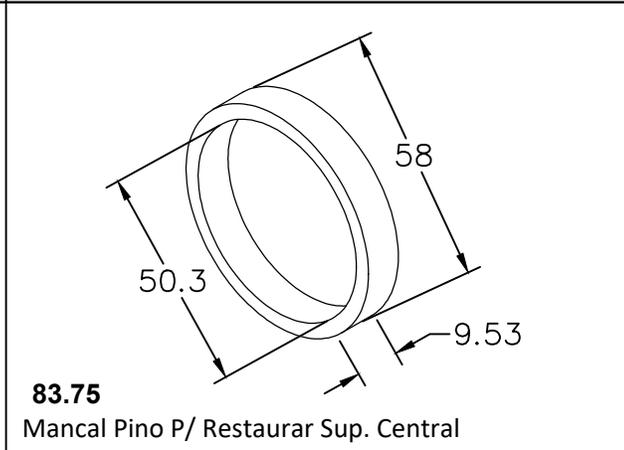
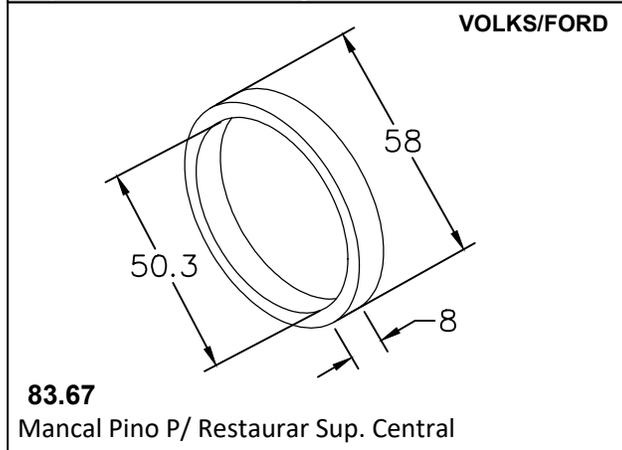
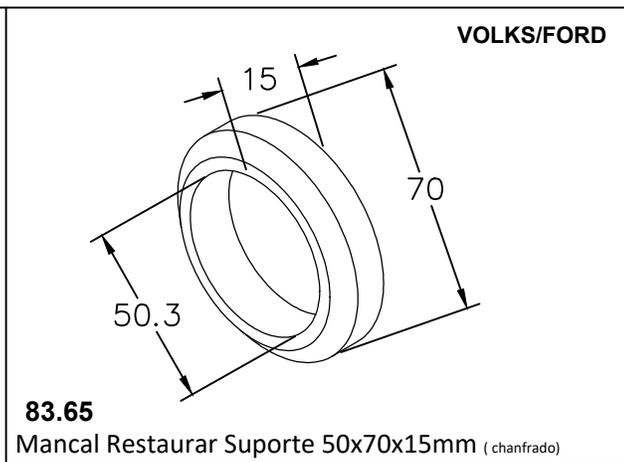
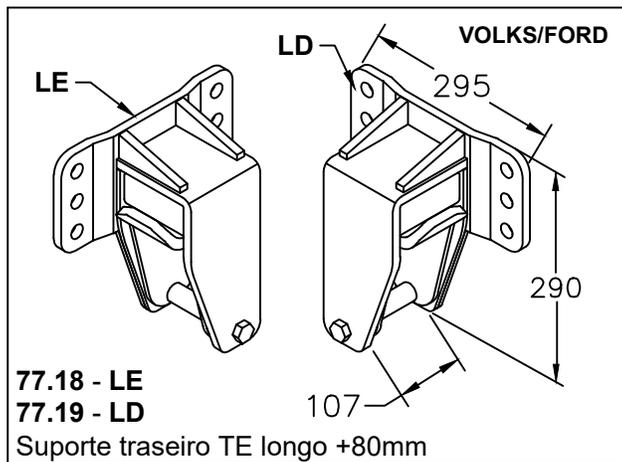


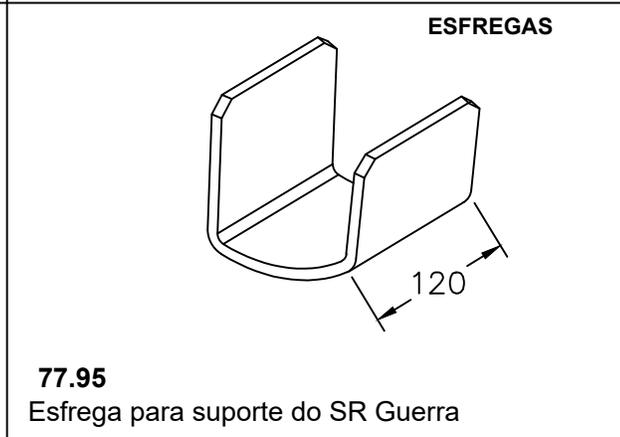
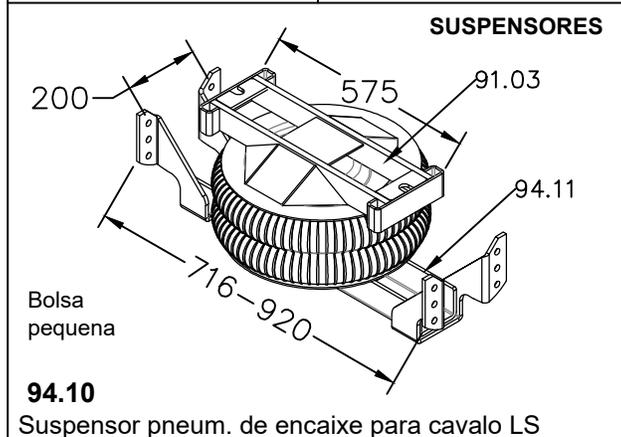
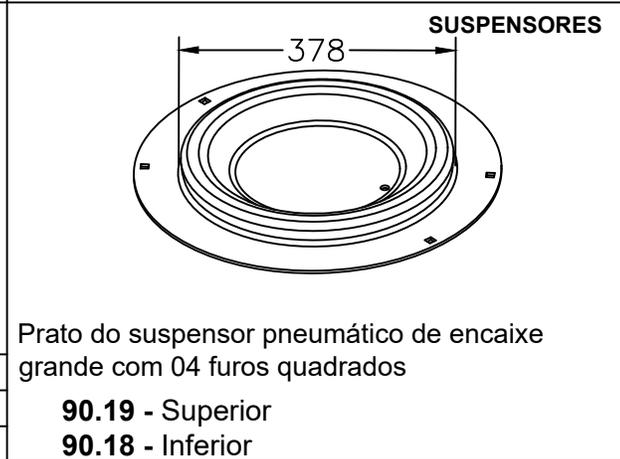
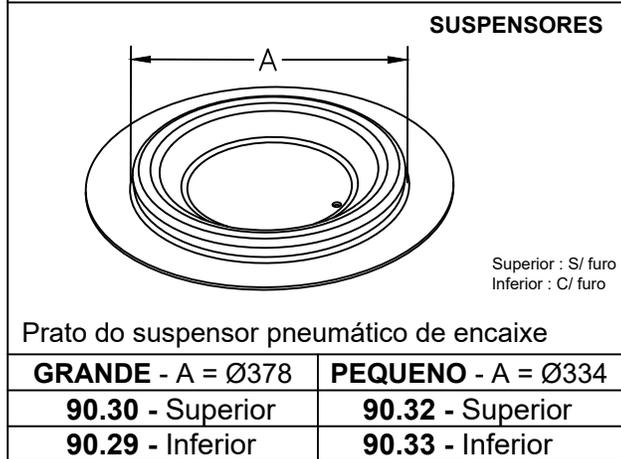
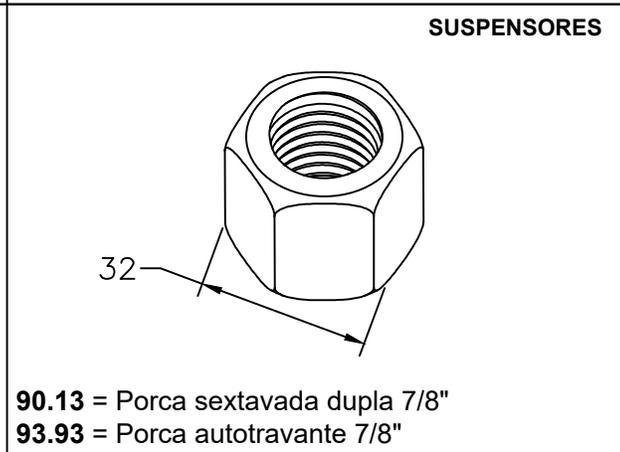
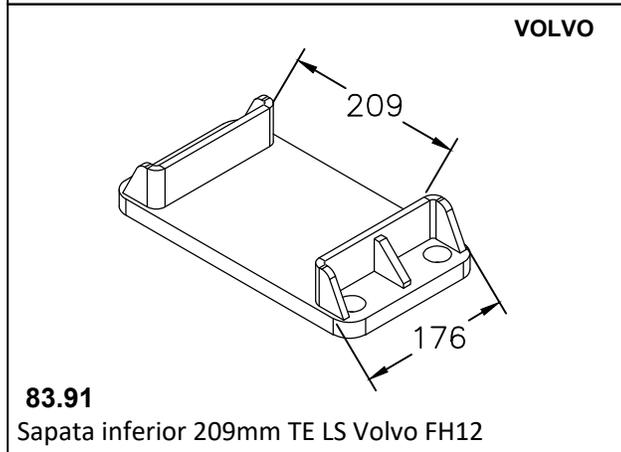
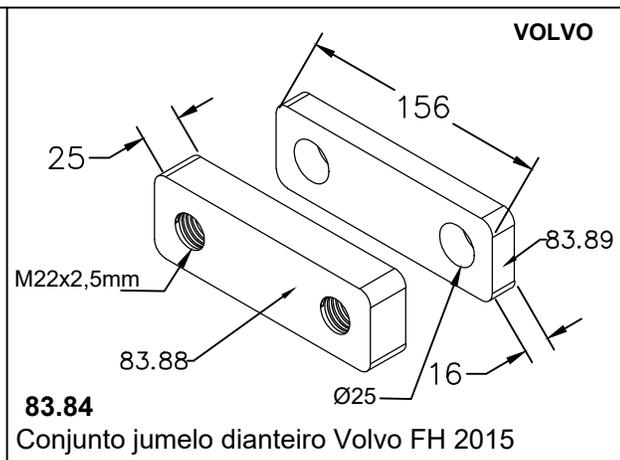
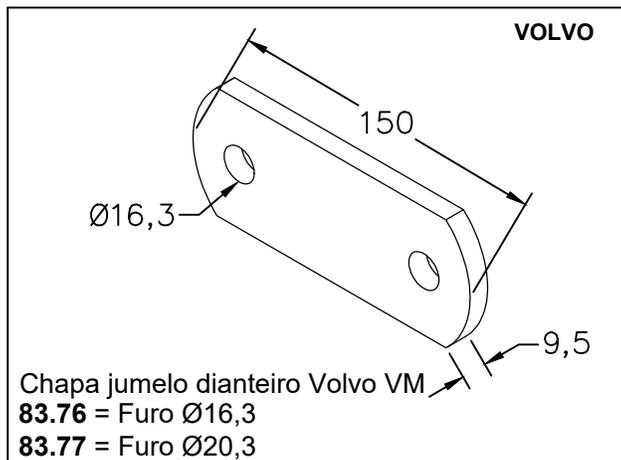
**83.43**

Lateral do jumelo de mola Accelo

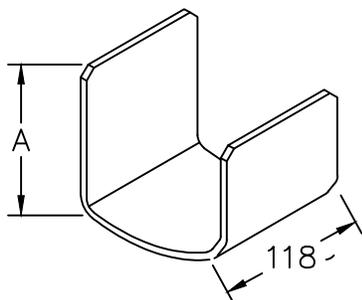




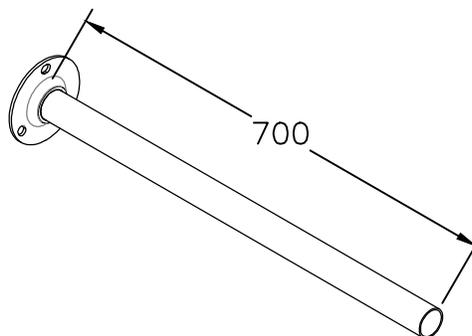




**ESFREGAS**

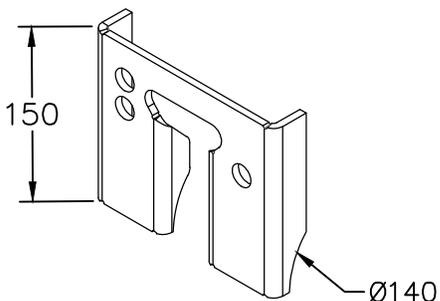


Esfrega para suporte do SR Facchini  
**77.96** - A = 136mm Traseiro  
**77.97** - A = 155mm Dianteiro



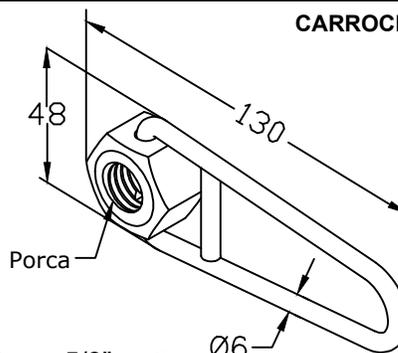
**25.47**  
 Suporte do paralama de plástico NOMA

**FREIOS**



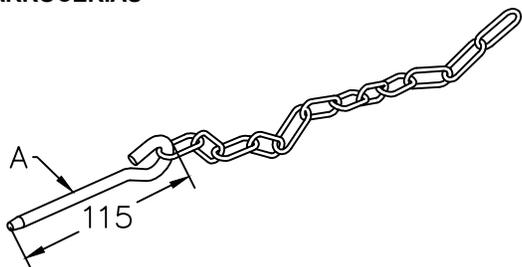
**91.60**  
 Suporte da cuíca do freio master

**CARROCERIAS**



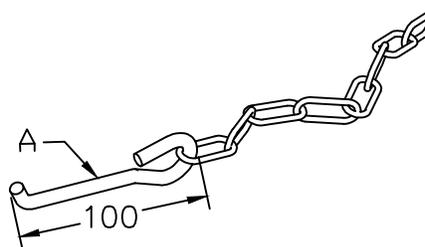
**22.34** = Porca 5/8" UNC  
**22.35** = Porca 3/4" UNC  
 Fixador da tampa da carroceria do SR

**CARROCERIAS**



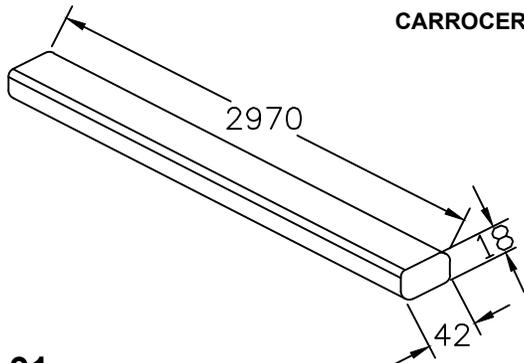
Pino para trava tampa reto da carroceria(Zincado)  
**22.99** - A = Ø1/4"  
**25.61** - A = Ø5/16"  
**21.39** - A = Ø7mm

**CARROCERIAS**



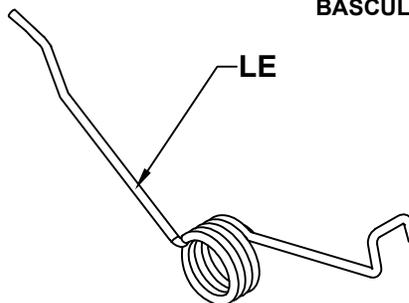
Pino para trava tampa curvo da carroceria(Zincado)  
**24.84** - A = Ø1/4"  
**24.85** - A = Ø5/16"  
**21.43** - A = Ø7mm

**CARROCERIAS**



**22.91**  
 Tira fina alumínio SR

**BASCULANTE**



Mola da trava da tranca  
**91.44** - LD  
**91.45** - LE

**BASCULANTE**

**25.87**  
Conjunto da dobradiça superior da tampa traseira da basculante

**USIMAR/DIVERSOS**

**82.03**  
Separador do grampo de mola "C" 80mm

**USIMAR/DIVERSOS**

Acompanha:  
**90.08.01** - 2pçs  
**90.08.02** - 4pçs  
**90.08.03** - 4pçs  
**90.08.04** - 2pçs

**90.08** - A=2.500mm B=145mm  
**90.17** - A=2.550mm B=145mm  
**91.37** - A=2.550mm B=140mm

Kit travessa longarina trava bloco para carroceria

**USIMAR/DIVERSOS**

**10.52**  
Reservatório de ar 73 litros

**USIMAR/DIVERSOS**

**91.75**  
Reservatório de ar 73 litros sistema ABS

**USIMAR/DIVERSOS**

**Mola:**  
**91.35** = 325mm  
**91.89** = 425mm

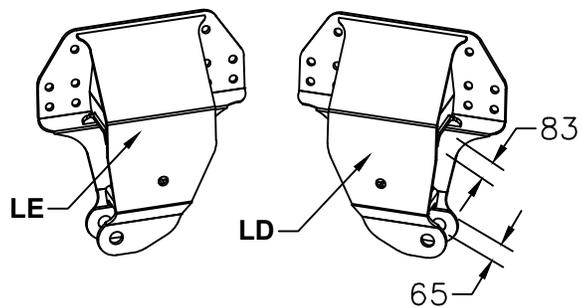
Coluna para choque articulado 23T  
**91.22** - A = 450mm  
**91.23** - A = 820mm

**USIMAR/DIVERSOS**

**94.28**  
Parafuso Sx Flg 10.9 M14x2,0x35 para Pino Rei 2" e 3.1/2" com 8 furos.

**94.29**  
Parafuso Sx Flg 10.9 M16x2,0x45 para Pino Rei 3.1/2" com 12 furos.

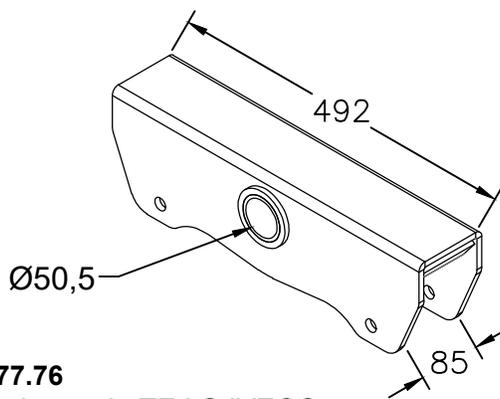
# IVECO



Suporte dianteiro do TE IVECO/KLL

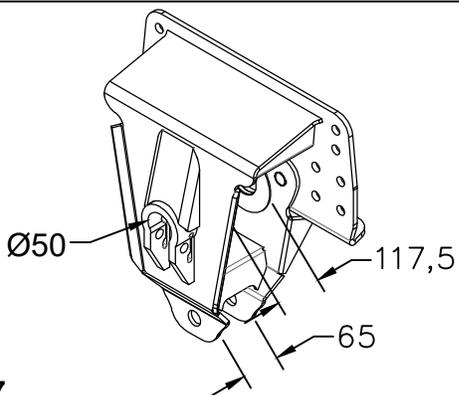
77.66 - LD C/ deslizante    77.68 - LD S/ deslizante

77.67 - LE C/ deslizante    77.69 - LE S/ deslizante



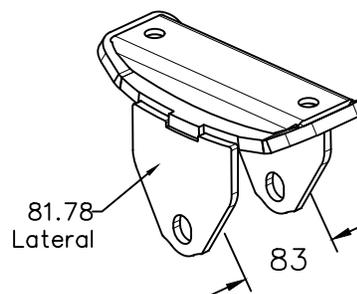
77.76

Balança do TE LS IVECO



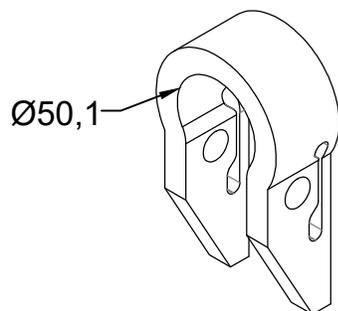
77.77

Suporte Central do TE LS IVECO



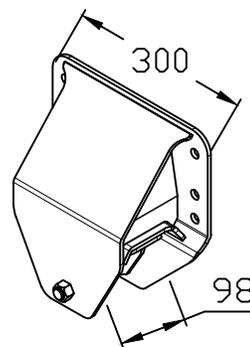
81.39

Esfrega móvel do TE IVECO



83.85

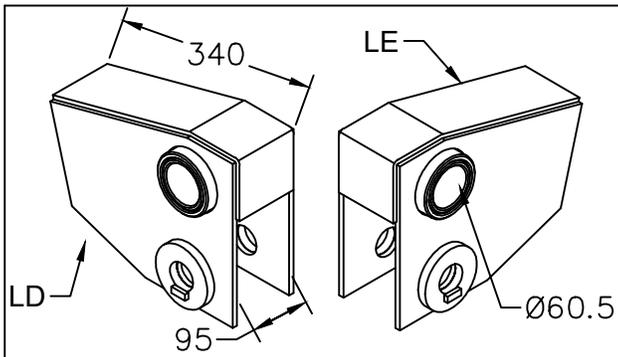
Mancal do pino suporte central TE LS IVECO



78.14

Suporte traseiro c/ deslizante TE IVECO/KLL

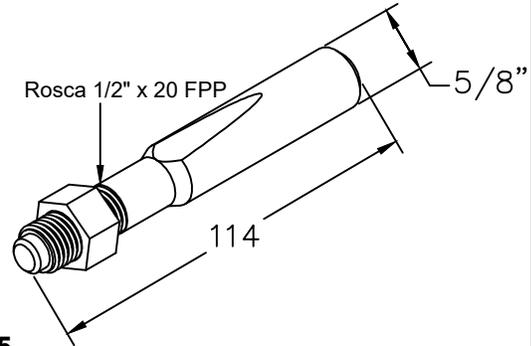
## JOLIVAN (INTERNO)



Balança distanciada NK 2006

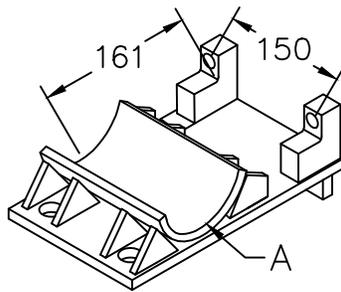
**76.49 - LE**

**76.50 - LD**



**42.15**

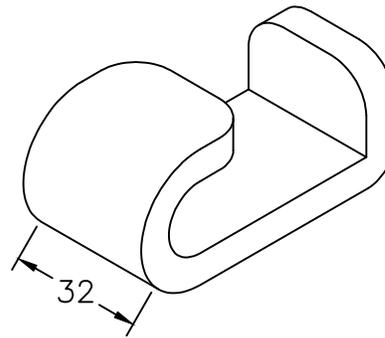
Pino cônico do mancal da balança do TE Jolivan



Sapata do SR c/ mancal

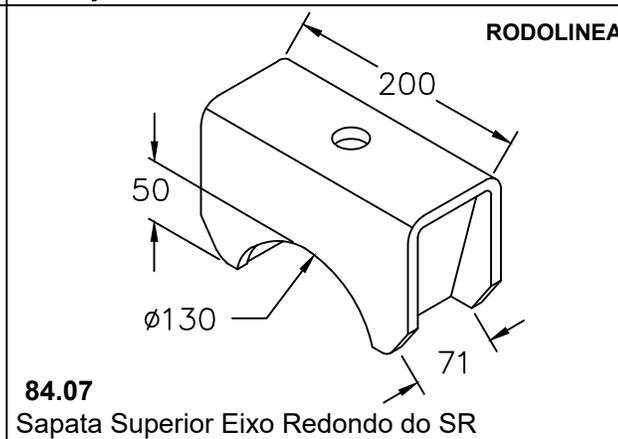
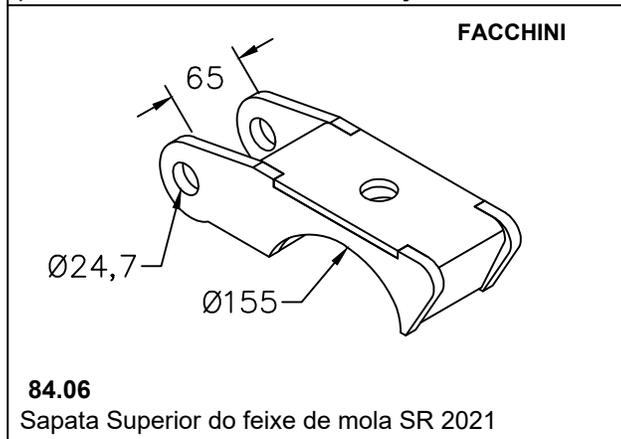
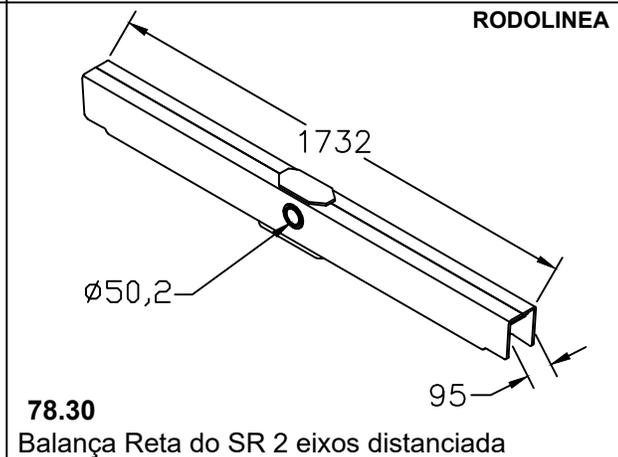
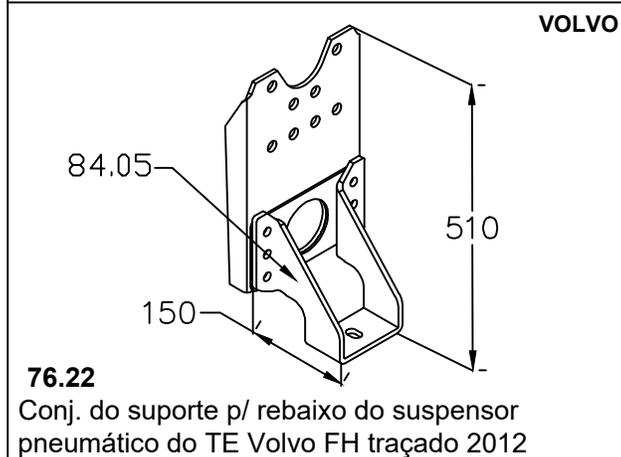
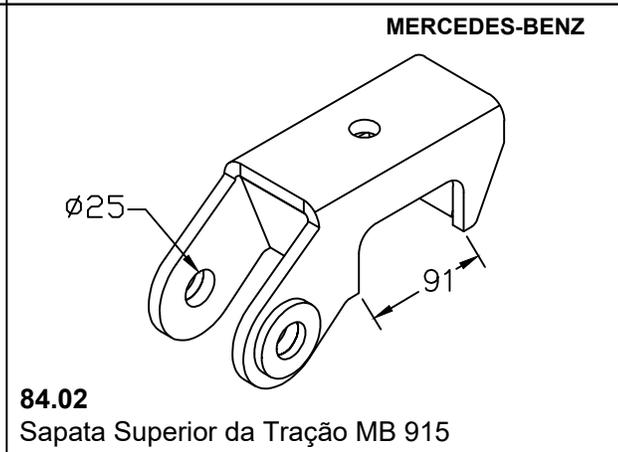
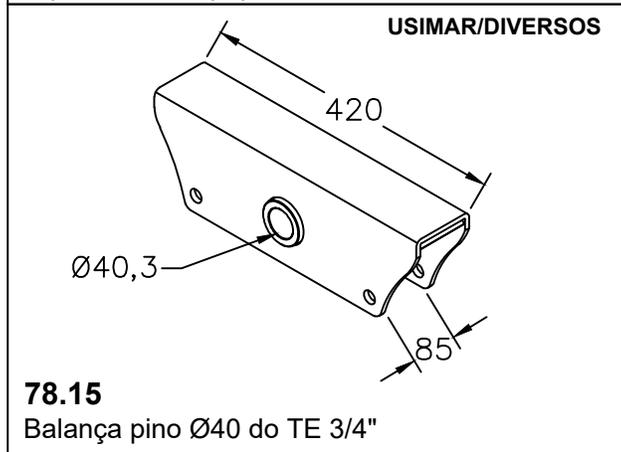
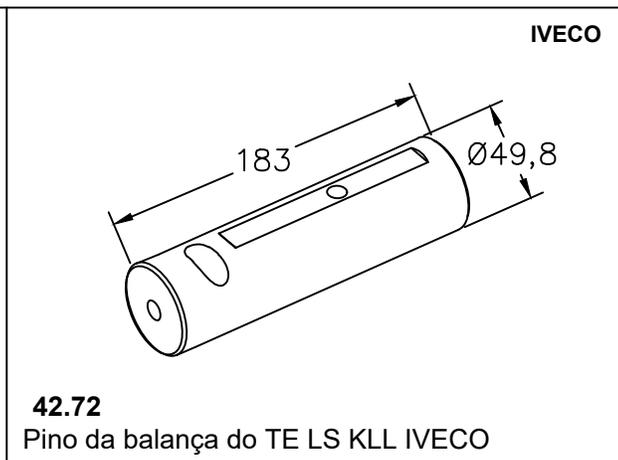
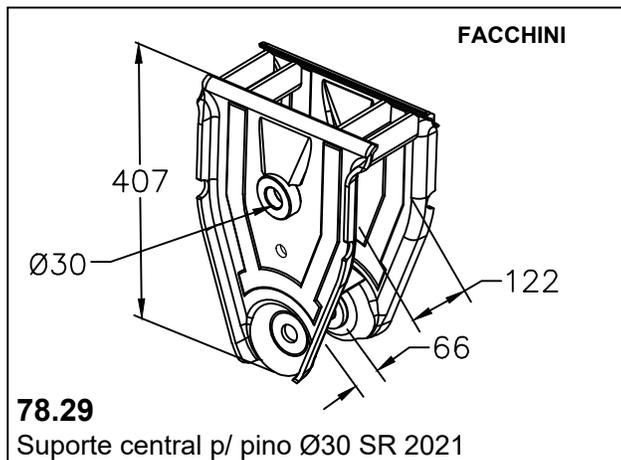
**83.30 - P/ eixo de Ø130**

**83.31 - P/ eixo de Ø138**



**24.96**

Engate "G" 1/4" da tampa do SR



**RODOVIÁRIA**

Bucha interna para balança  
**50.01** - A = 118mm B = Ø60,3  
**50.25** - A = 130mm B = Ø60,3  
**51.36** - A = 119mm B = Ø61  
**51.38** - A = 118mm B = Ø60

**GUERRA**

Balança c/ 600mm TE LS  
**70.47** ØA= 50mm (MB 1934)  
**70.97** ØA= 60mm

**VOLKSWAGEN/FORD**

Balança TE suspensão fundida  
 6x2 Constel 24250/Cargo 2428  
**70.91** - Em 5/16"  
**70.98** - Em 3/8"

**VOLKSWAGEN/FORD**

Bucha Int.  
 51.73  
**75.30**  
 Balança TE suspensão fundida 6x2 Constel  
 24250/Cargo 2428

**USIMAR /DIVERSOS**

Diâmetro centro  
 roda 295mm  
**78.31**  
 Chapa fixação estepe para roda disco  
 295mm

**FACCHINI**

**74.18**  
 Suporte dianteiro do SR para bucha cônica

**GUERRA**

Sapata superior traseira do TE LS  
**80.78** - Eixo quadrado A= 112mm  
**80.80** - Eixo redondo A= Ø130mm  
**83.90** - Eixo retangular A= 120mm

**GUERRA**

**62.83**  
 Tensor fixo do SR

**GUERRA**

Bucha interna da balança do TE LS  
**50.02** - A = 45mm B = Ø60mm  
**50.06** - A = 56mm B = Ø62,4mm  
**50.07** - A = 45mm B = Ø59mm  
**50.08** - A = 110mm B = Ø59mm

**GUERRA**

Dobradiça superior do SR  
**25.40** A= 600 Tampa 700mm  
**25.43** A= 900 Tampa 1.000mm

**RODOVIÁRIA**

Sapata inferior do TE  
**81.89** - A = 114mm  
**84.09** - A = 112mm

**RODOVIÁRIA**

**84.10**  
 Sapata inferior do TE

**RODOVIÁRIA**

Bucha **50.13**  
 Luva **60.07**

Tensor do Terceiro eixo

FIXO	REGULÁVEL
<b>61.13</b> - A = 692mm	<b>60.04</b> - A = 692mm
	<b>60.57</b> - A = 560mm
<b>61.49</b> - A = 800mm	<b>60.83</b> - A = 800mm
<b>61.28</b> - A = 750mm	<b>61.26</b> - A = 750mm
<b>61.29</b> - A = 650mm	<b>61.27</b> - A = 650mm
	<b>62.14</b> - A = 700mm
<b>61.45</b> - A = 822mm	<b>60.24</b> - A = 822mm

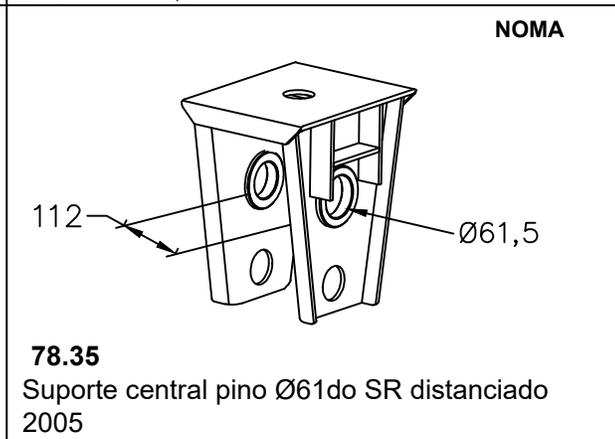
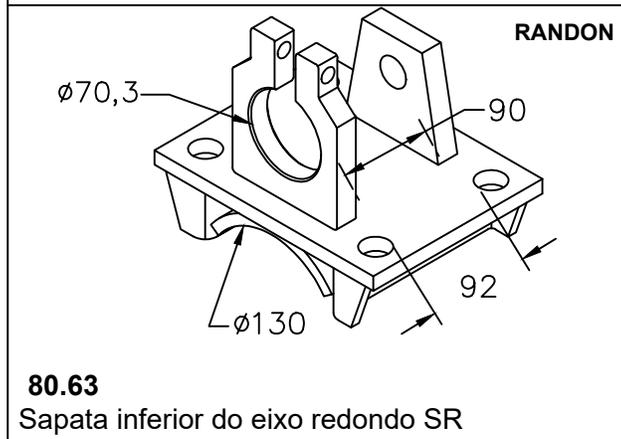
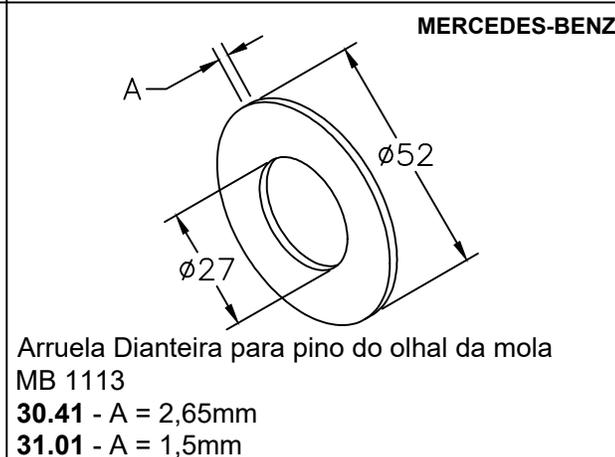
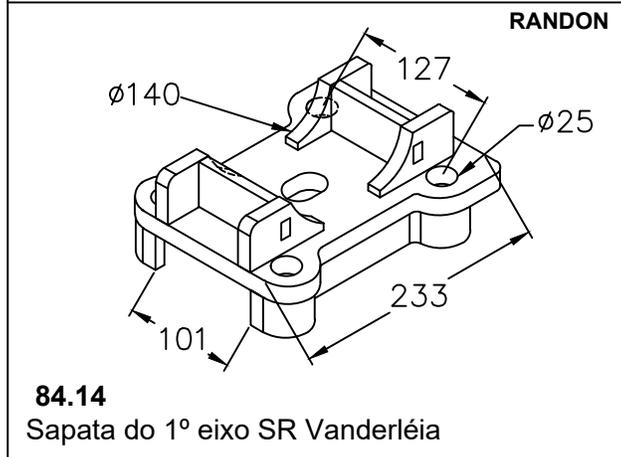
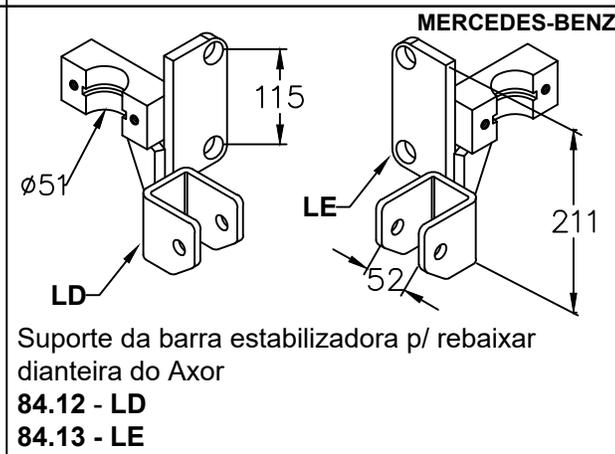
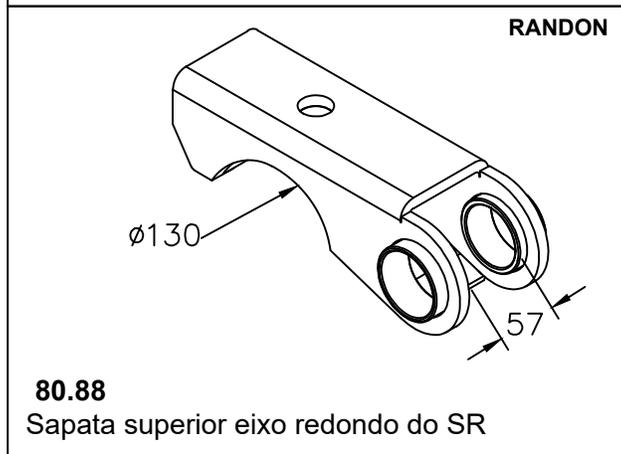
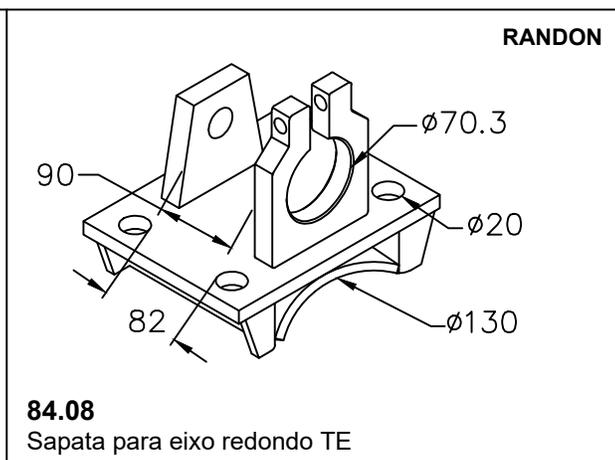
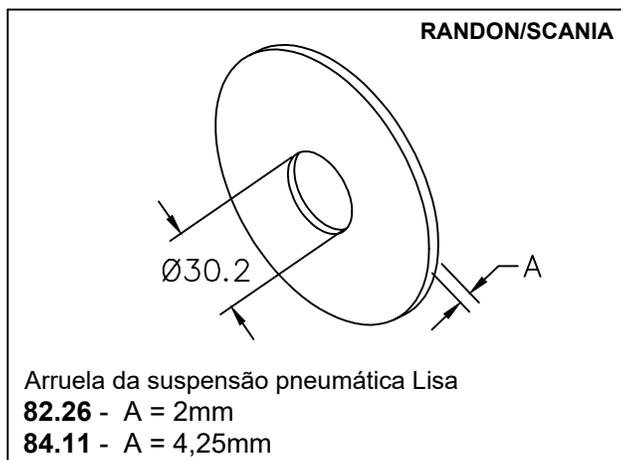
**RODOVIÁRIA**

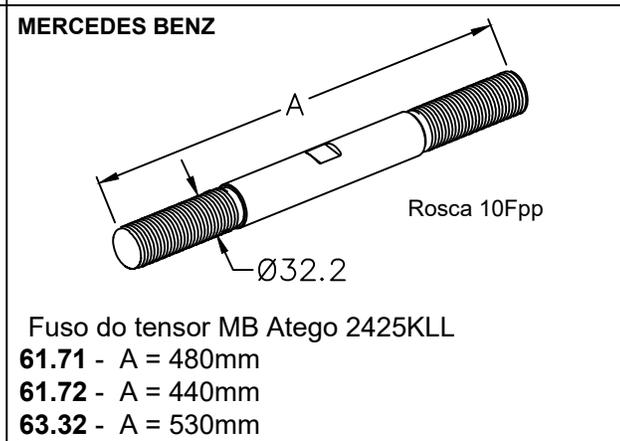
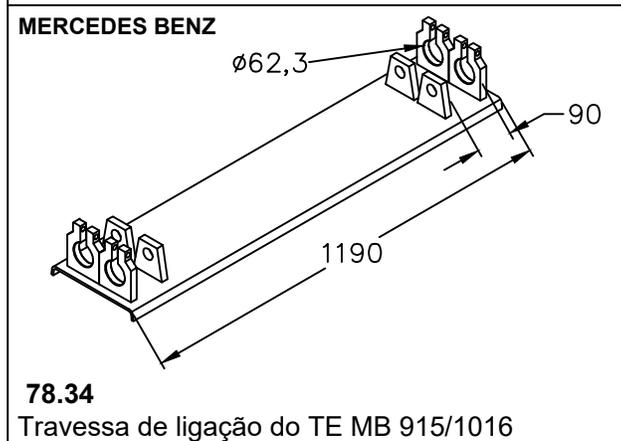
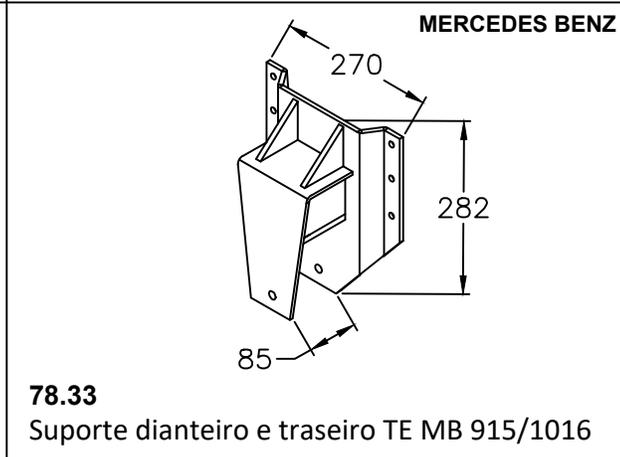
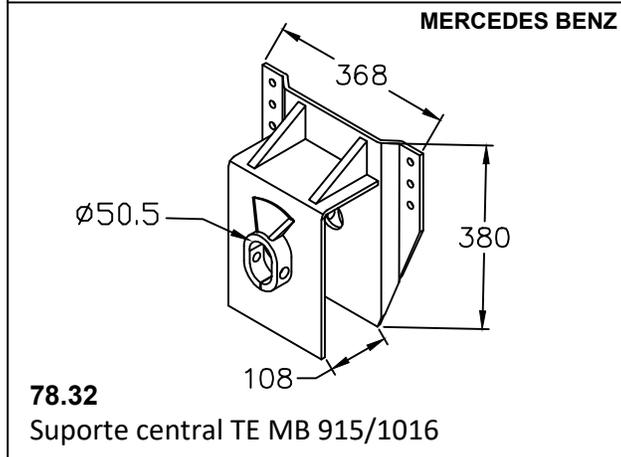
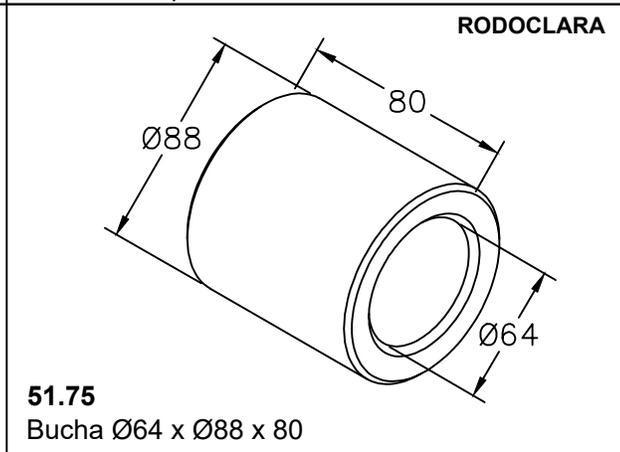
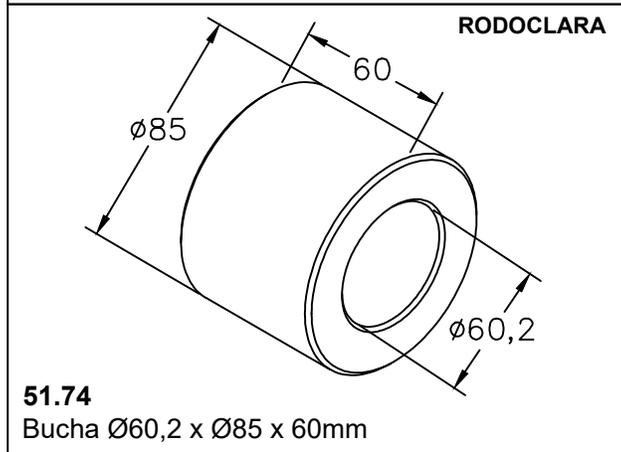
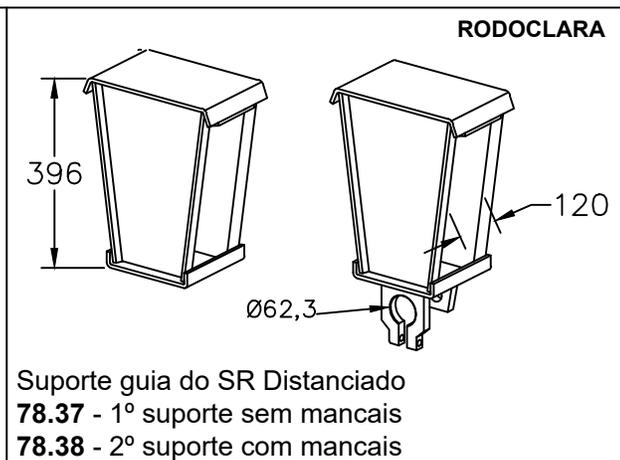
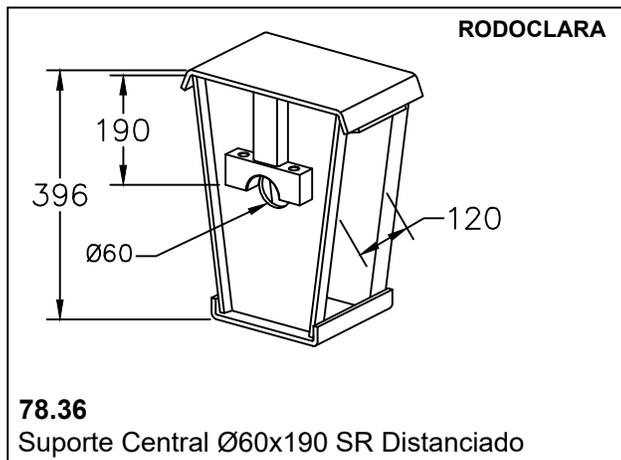
Porca castelo do eixo do SR  
**30.78** - A = Ø95 B = Ø59 10FPP  
**31.54** - A = Ø122 B = Ø86 12FPP

**RANDON**

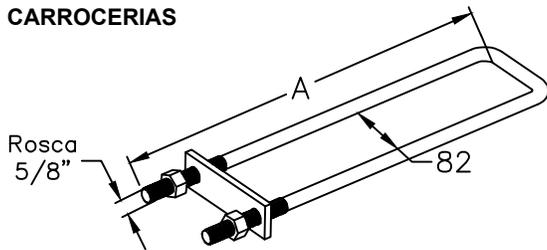
CÓDIGO	A
<b>20.82</b>	73mm
<b>20.85</b>	135mm
<b>23.30</b>	123mm
<b>23.31</b>	210mm
<b>23.32</b>	300mm

Suporte de fixação fêmea da tampa do SR





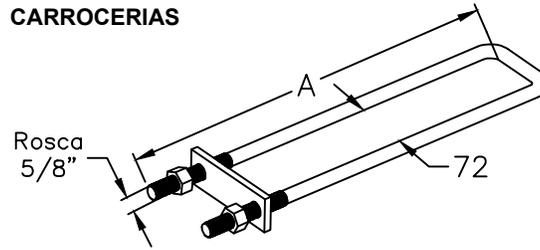
**CARROCERIAS**



Grampo 82mm para carroceria completo

CÓDIGO	A
92.49	370
94.31	480
94.32	500
92.32	600

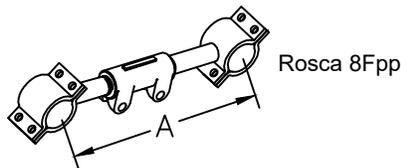
**CARROCERIAS**



Grampo 72mm para carroceria completo

CÓDIGO	A
92.39	430
94.08	440
94.09	450

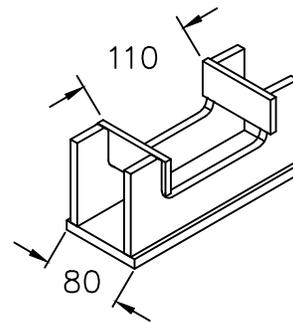
**PASTRE**



Tirante regulável do TE

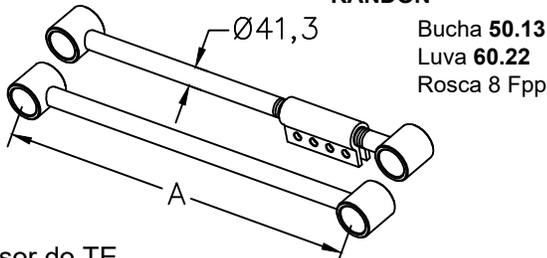
CÓDIGO	MEDIDA "A"	CÓDIGO	MEDIDA "A"
63.15	354mm	63.23	594mm
63.16	414mm	63.24	624mm
63.17	459mm	63.25	644mm
63.18	494mm	63.26	674mm
63.19	524mm	63.27	694mm
63.20	544mm	63.28	714mm
63.21	564mm	63.29	814mm
63.22	579mm		

**PASTRE**



**81.07**  
Sapata do TE

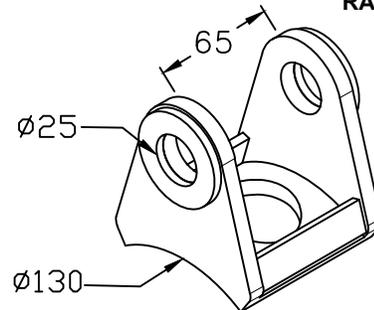
**RANDON**



Tensor do TE

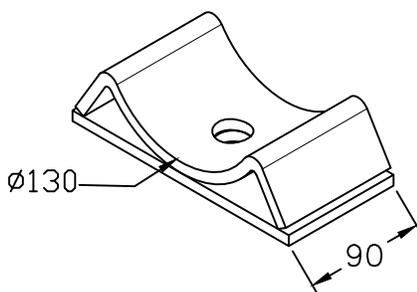
- 60.50** - Regulável A = 820mm (Dianteiro)
- 60.51** - Fixo A = 820mm (Dianteiro)
- 60.52** - Regulável A = 630mm (Traseiro)
- 60.53** - Fixo A = 630mm (Traseiro)
- 63.30** - Regulável A = 692mm

**RANDON/MORUMBI**



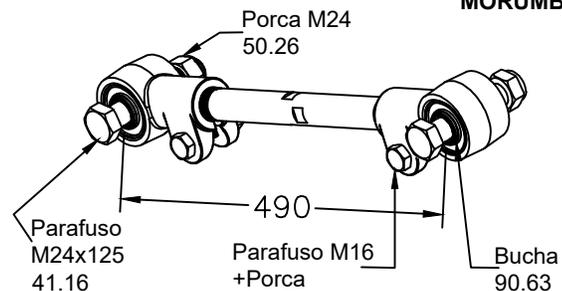
**83.94**  
Suporte olhal do tensor, do SR Carrega Tudo Mola Invertida

**RANDON/MORUMBI**



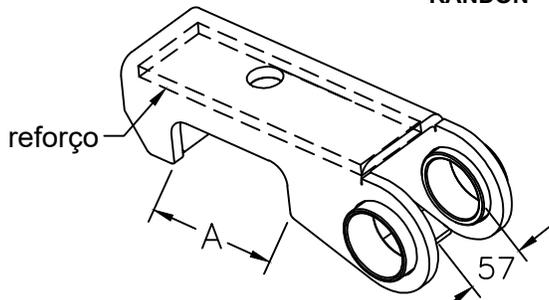
**83.95**  
Sapata inferior do SR Carrega Tudo Mola Invertida

**MORUMBI**



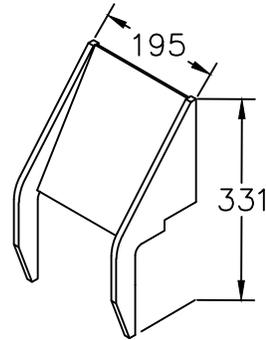
**63.33**  
Kit completo tensor regulável

**RANDON**



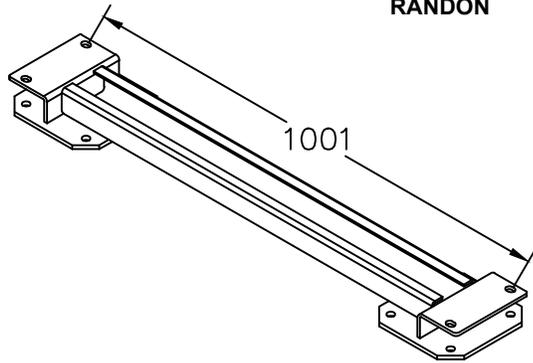
Sapata superior do SR (linha leve) eixo quadrado  
**80.86** - A = 112mm Sem reforço  
**80.87** - A = 118mm Sem reforço  
**80.89** - A = 112mm Com reforço

**RANDON**



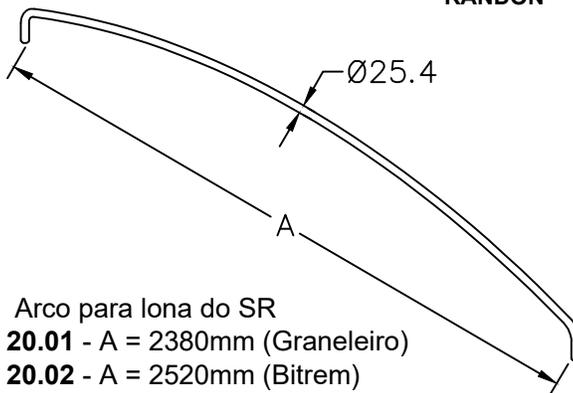
**78.41**  
 Reforço Suporte central e os guias da suspensão  
 distanciada do SR

**RANDON**



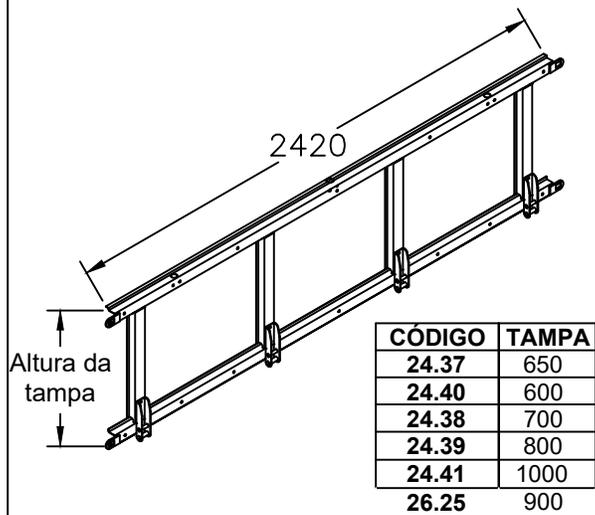
**78.47**  
 Travessa de apoio da Suspensão Pneumática SR

**RANDON**



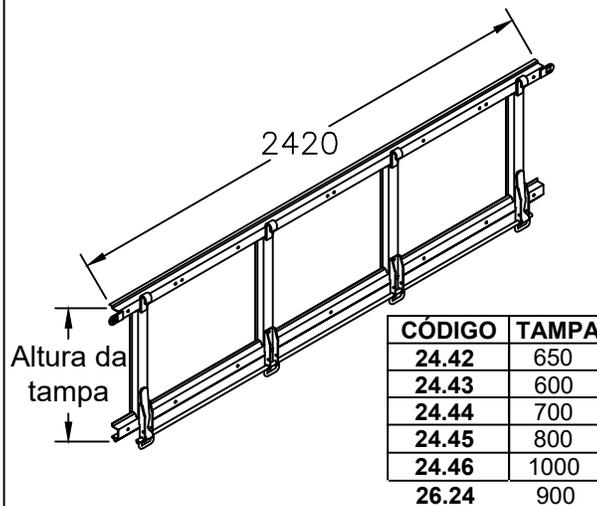
Arco para lona do SR  
**20.01** - A = 2380mm (Graneleiro)  
**20.02** - A = 2520mm (Bitrem)  
**20.03** - A = 2450mm (na Basculante)

**RANDON**



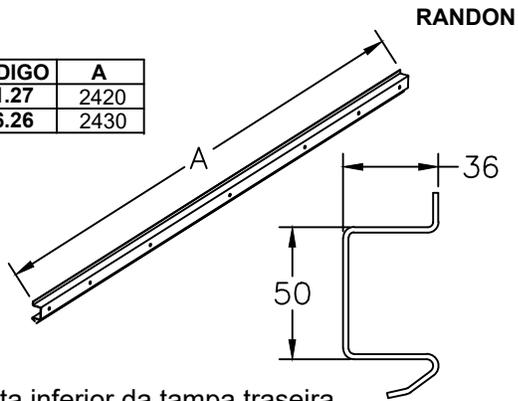
Estrutura da tampa traseira superior  
 do Graneleiro SR 2002 RANDON

**RANDON**



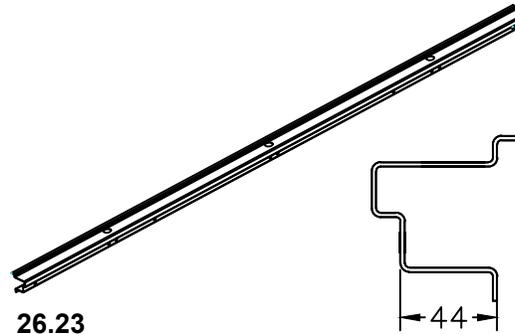
Estrutura da tampa traseira inferior  
 do Graneleiro SR 2002 RANDON

CÓDIGO	A
21.27	2420
26.26	2430



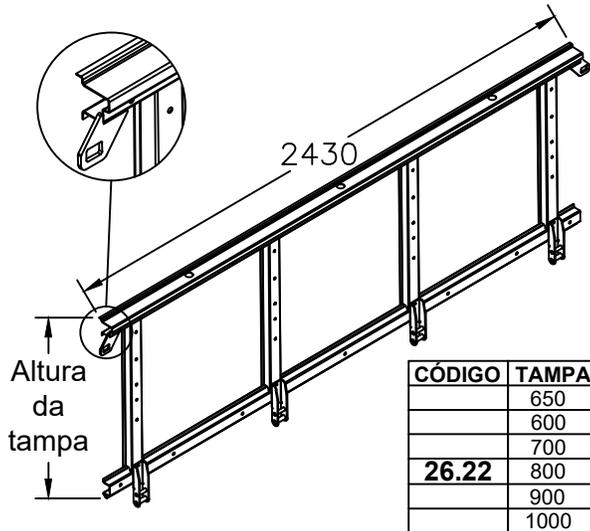
Viguetta inferior da tampa traseira inferior graneleira SR 2002

RANDON



26.23  
Viguetta Superior da Tampa Superior c/furação (Ferragem 2 tampas)

RANDON



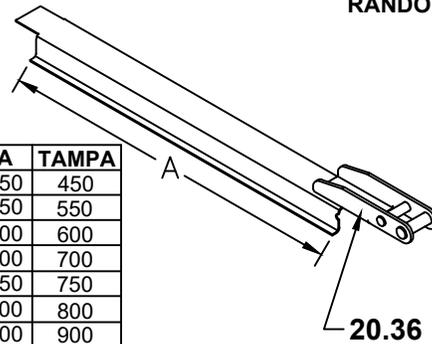
Estrutura da tampa superior SR RANDON

CÓDIGO	TAMPA
	650
	600
	700
26.22	800
	900
	1000

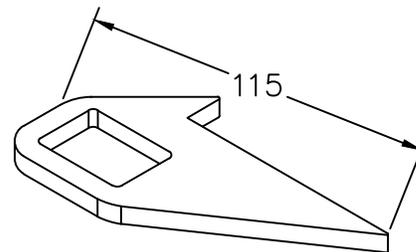
RANDON

CÓDIGO	A	TAMPA
20.40	350	450
20.41	450	550
20.42	500	600
20.43	600	700
25.50	650	750
20.44	700	800
20.45	800	900
20.46	900	1000

Dobradiça superior para tampa do SR

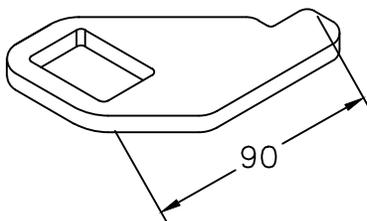


GUERRA



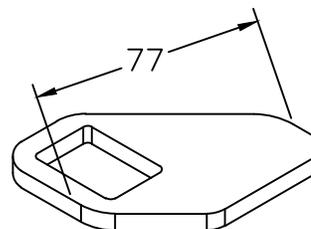
21.87  
Engate fêmea da tampa superior SR Tecno 5

GUERRA

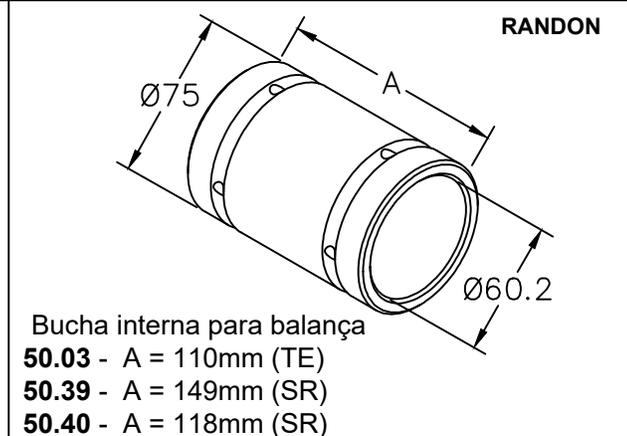
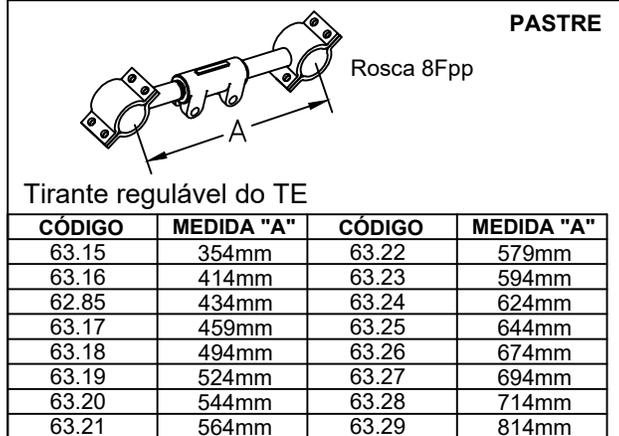
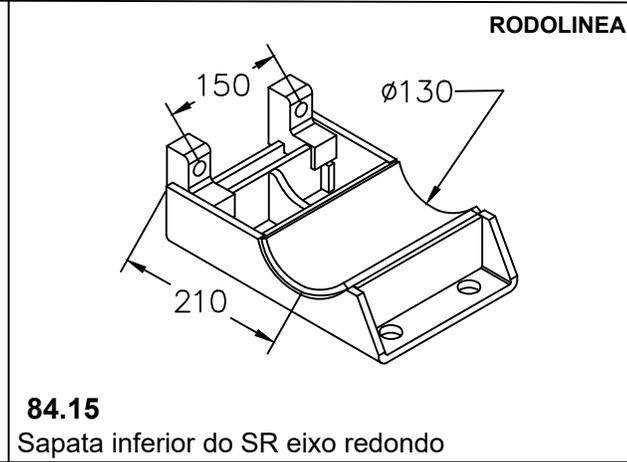
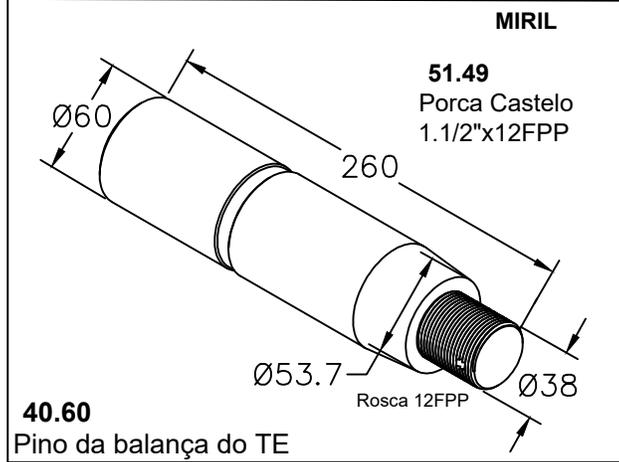
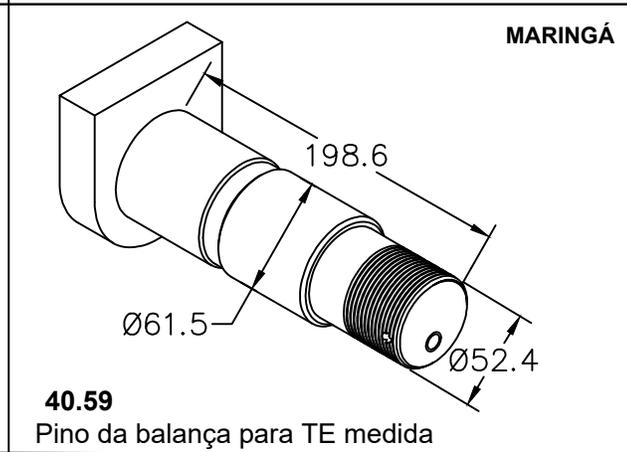
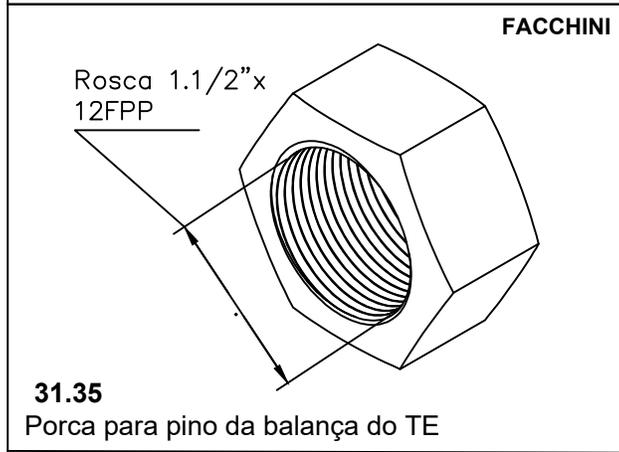
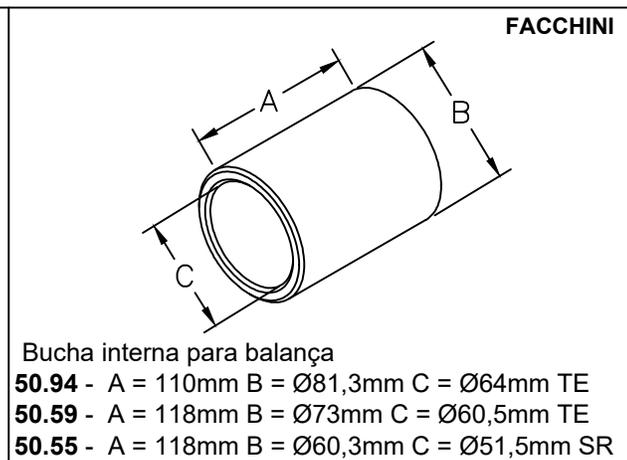
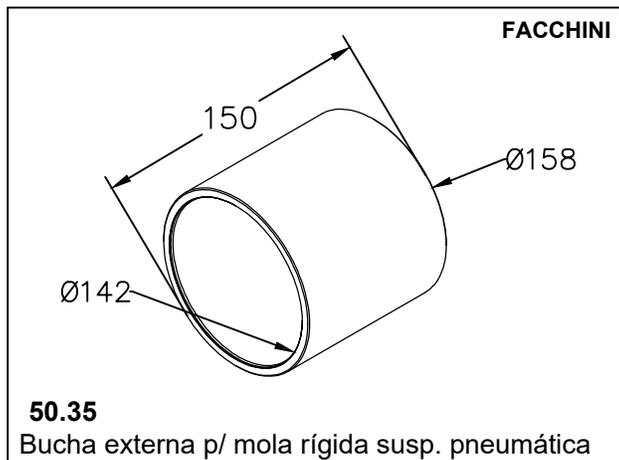


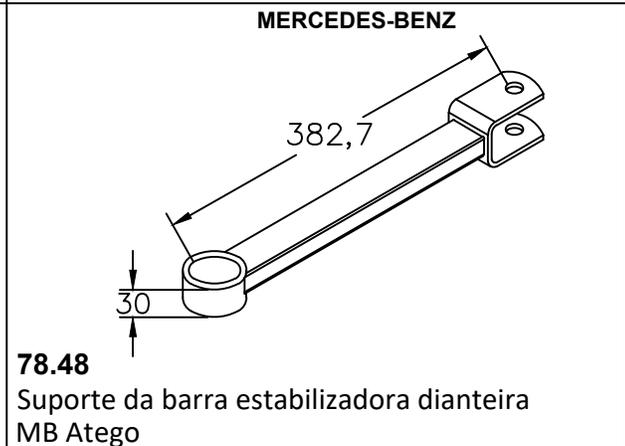
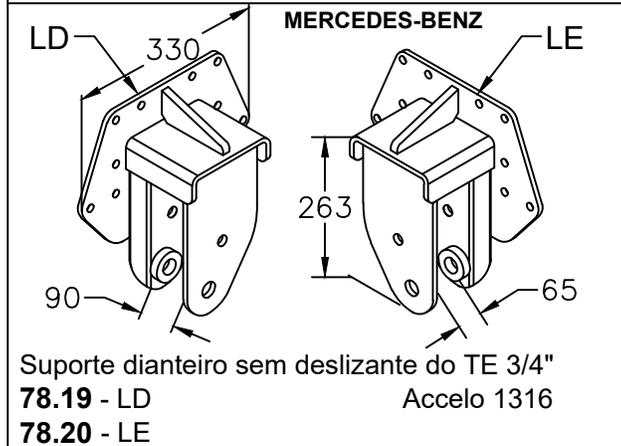
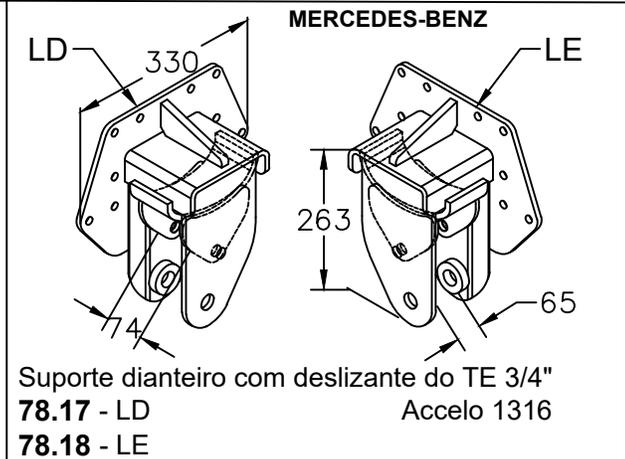
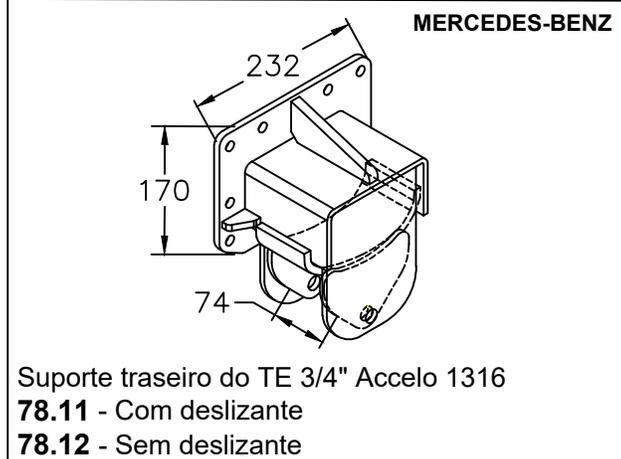
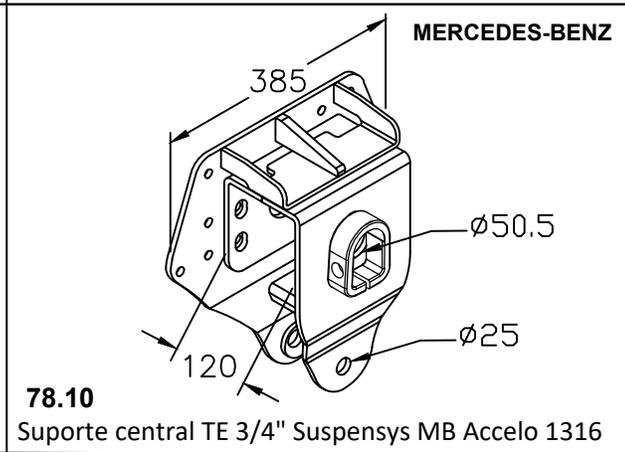
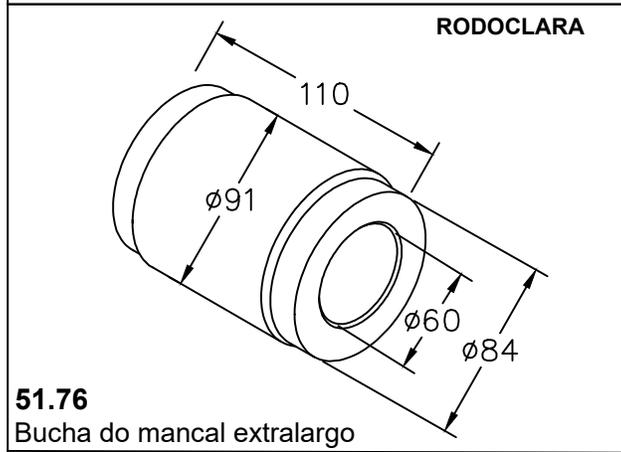
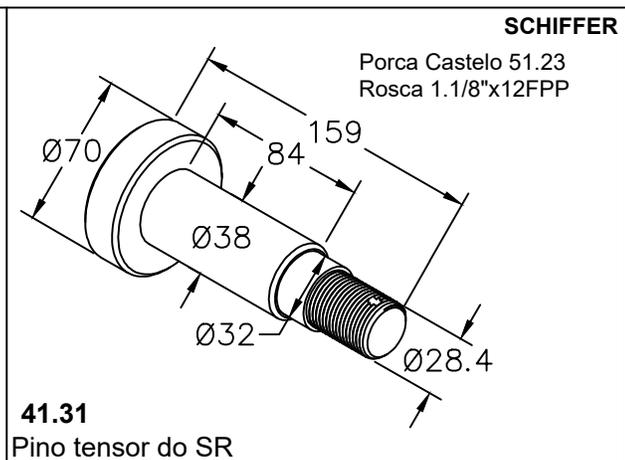
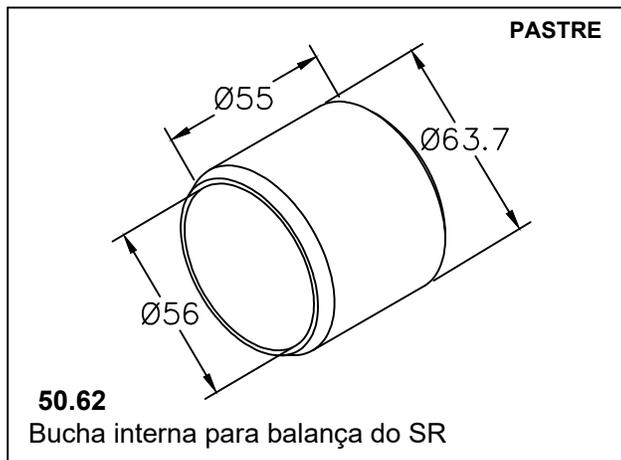
21.88  
Engate fêmea da tampa inferior SR Tecno 10

GUERRA

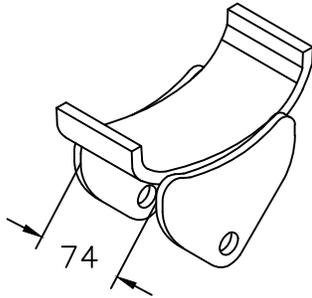


21.89  
Engate fêmea da tampa superior/inferior SR Tecno 10





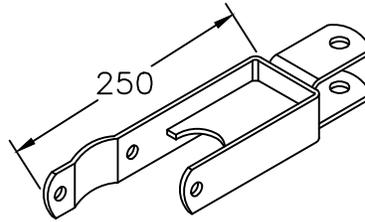
MERCEDES-BENZ



**84.01**

Deslizante suportes dian./tras. do TE  
Accelo 1316

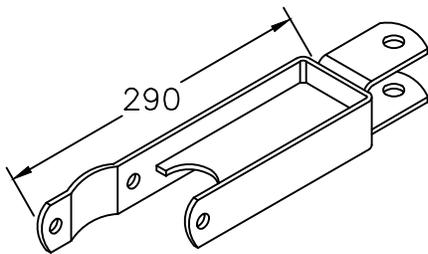
MERCEDES-BENZ



**84.18**

Chapa de articulação 250mm do estabilizador  
traseiro Accelo

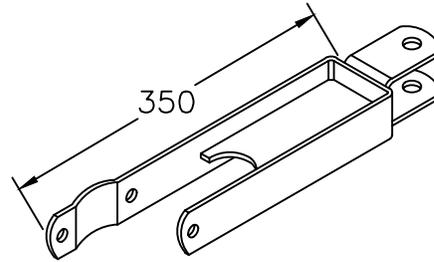
MERCEDES-BENZ



**84.19**

Chapa de articulação 290mm do estabilizador  
traseiro Atego

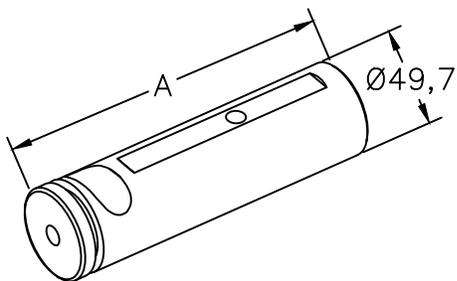
MERCEDES-BENZ



**84.20**

Chapa de articulação 350mm do estabilizador  
traseiro Atego 4x2

MERCEDES-BENZ

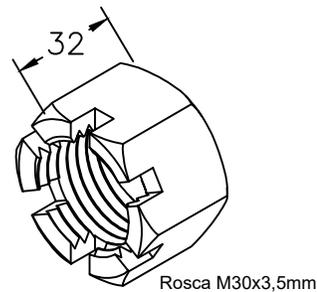


Pino da balança do TE

**41.95** - A = 183mm Atego 2017

**42.71** - A = 185mm Accelo 1316

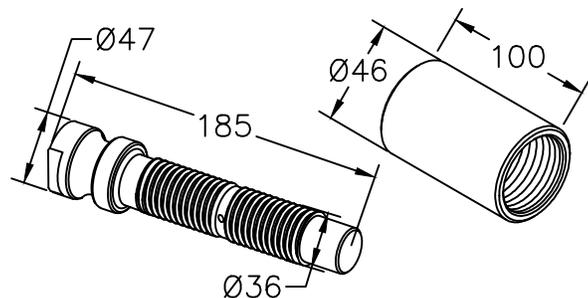
SCANIA



**51.57**

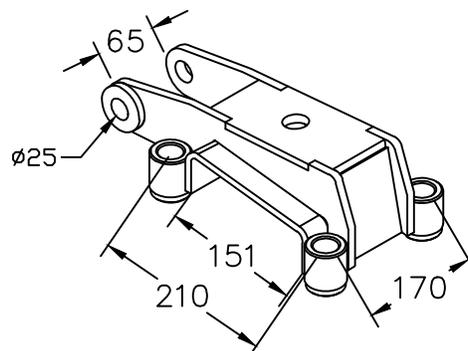
Porca castelo pino sueco

SCANIA



Olhal da mola traseira LK 140

SCANIA



**82.35**

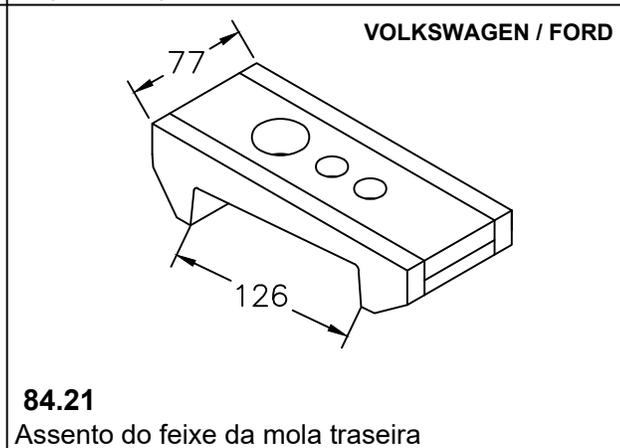
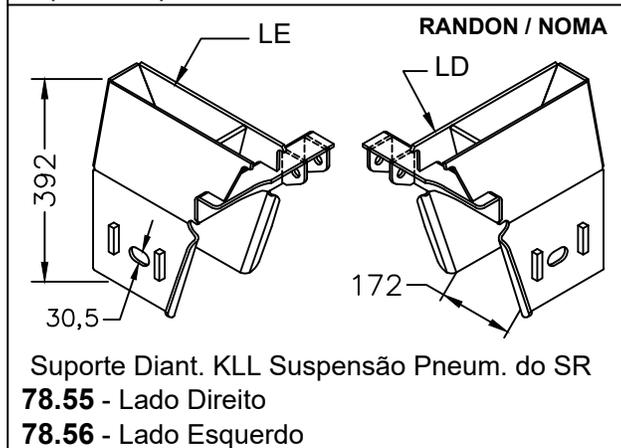
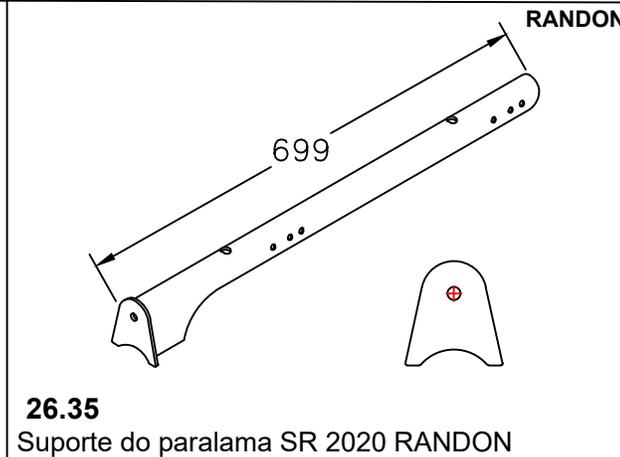
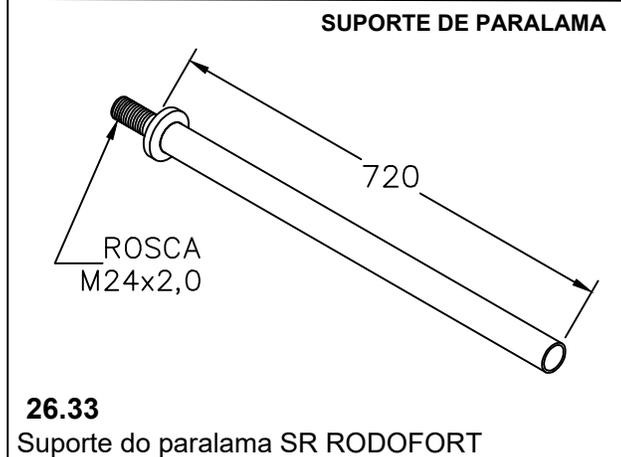
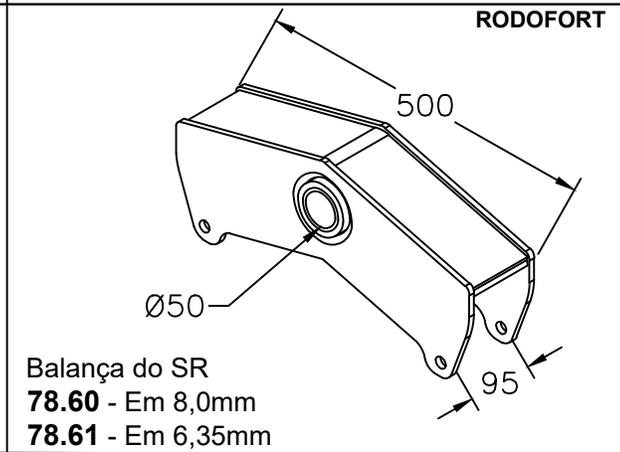
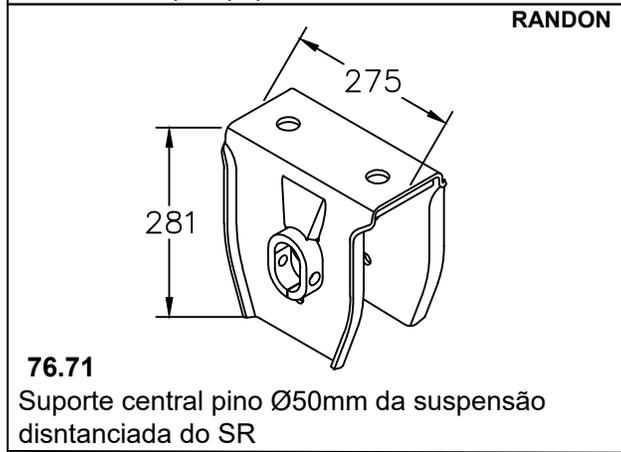
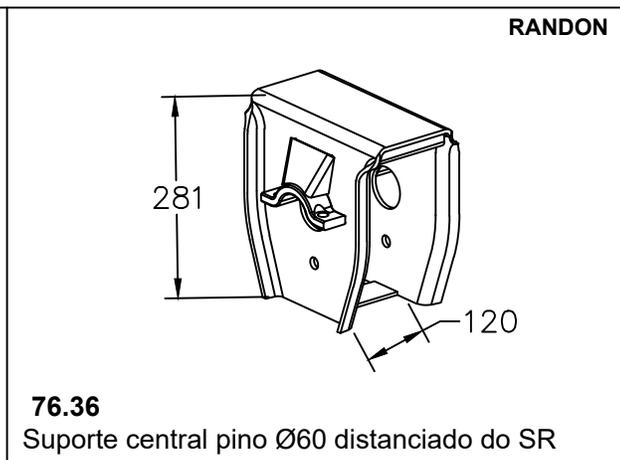
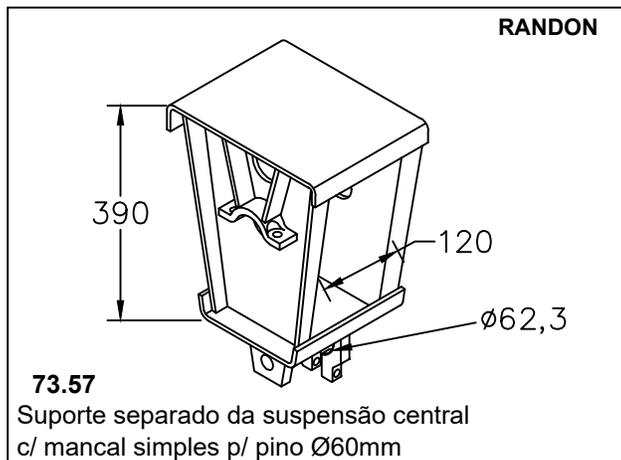
Sapata superior do eixo tração TE 113

**PINO**

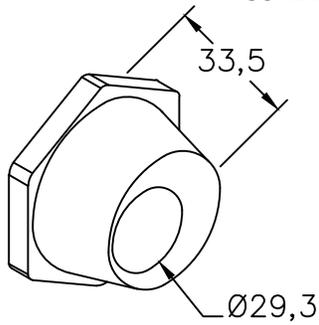
**42.76** - Cementado

**BUCHA**

**51.77** - Cementado



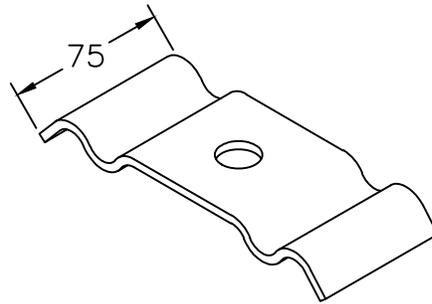
USIMAR/DIVERSOS



**84.22**

Mancal de regulagem do parafuso Ø28 no suporte suspensão pneum. KLL

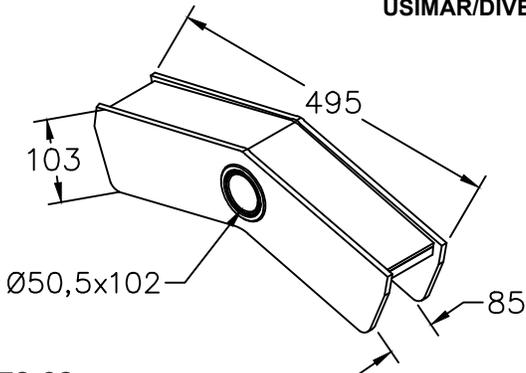
USIMAR/DIVERSOS



**84.24**

Separador de grampo de mola

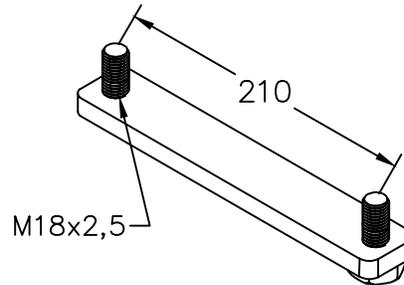
USIMAR/DIVERSOS



**78.62**

Balança baixa pino Ø50 do TE 3/4"

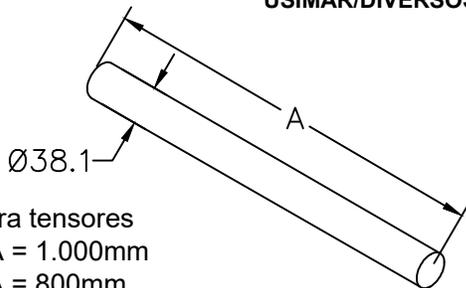
USIMAR/DIVERSOS



**78.63**

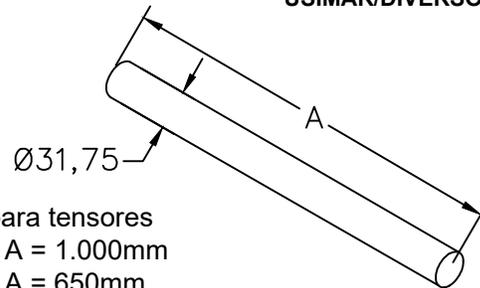
Suporte de engate para porta estepe

USIMAR/DIVERSOS



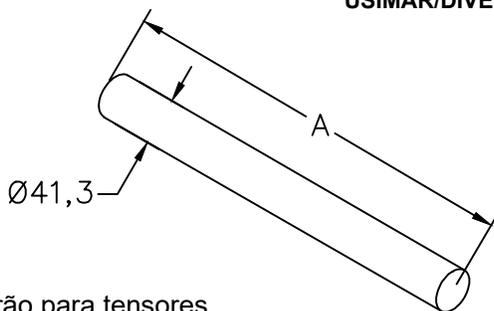
Varão para tensores  
**62.73** - A = 1.000mm  
**62.80** - A = 800mm  
**62.81** - A = 700mm  
**62.87** - A = 650mm  
**62.88** - A = 750mm  
**62.98** - A = 440mm

USIMAR/DIVERSOS



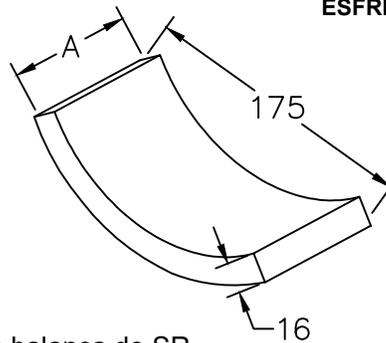
Varão para tensores  
**62.89** - A = 1.000mm  
**62.90** - A = 650mm  
**62.91** - A = 700mm  
**62.92** - A = 800mm  
**62.99** - A = 570mm  
**63.00** - A = 440mm

USIMAR/DIVERSOS



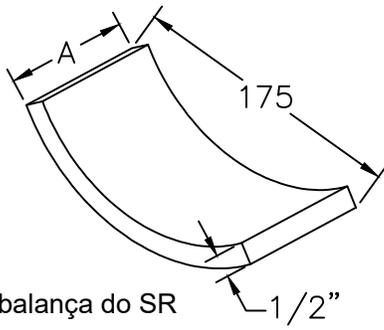
Varão para tensores  
**62.30** - A = 800mm  
**62.31** - A = 900mm  
**62.32** - A = 1.000mm

ESFREGAS



Esfrega para balança do SR  
**78.45** - A = 92mm  
**78.46** - A = 82mm

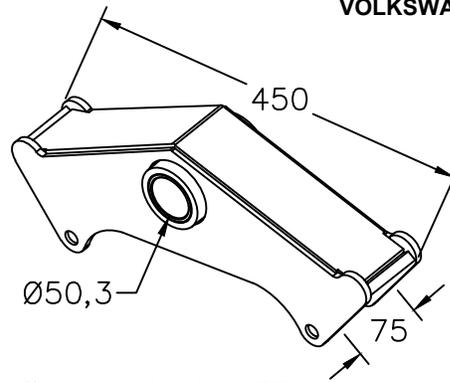
**ESFREGAS**



Esfrega para balança do SR

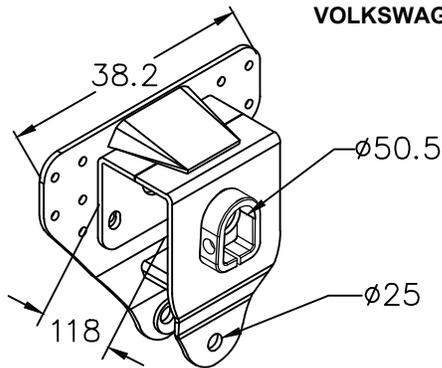
- 75.11 - A = 92mm
- 75.12 - A = 82mm
- 78.40 - A = 102mm

**VOLKSWAGEN**



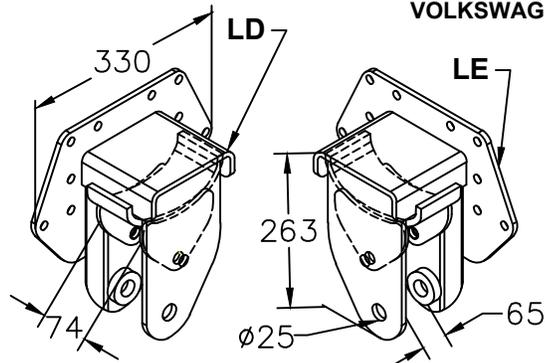
- 78.21**
- Balança Ø50mm mola 70mm TE
- VW Delivery 13.180

**VOLKSWAGEN**



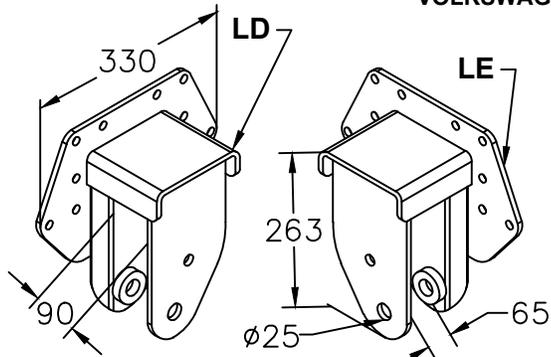
- 78.22**
- Suporte central TE VW Delivery 13.180

**VOLKSWAGEN**



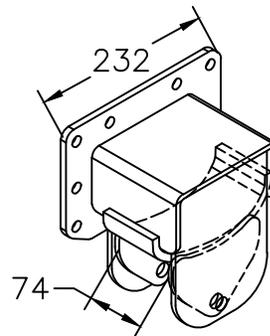
- Suporte dianteiro C/ deslizante TE VW 13.180
- 78.23 - LD**      **78.24 - LE**

**VOLKSWAGEN**



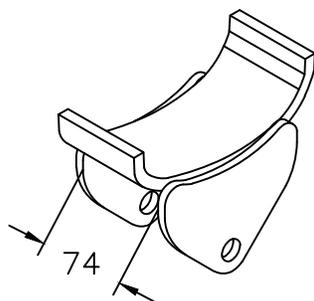
- Suporte dianteiro S/ deslizante TE VW 13.180
- 78.25 - LD**      **78.26 - LE**

**VOLKSWAGEN**



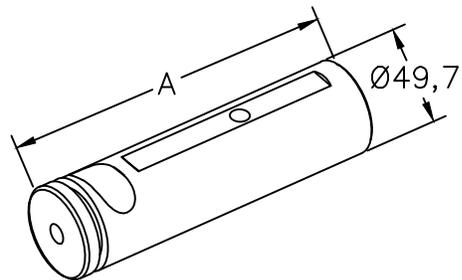
- Suporte traseiro do TE VW 13.180
- 78.27 - C/ deslizante.**
- 78.28 - S/ deslizante.**

**VOLKSWAGEN**

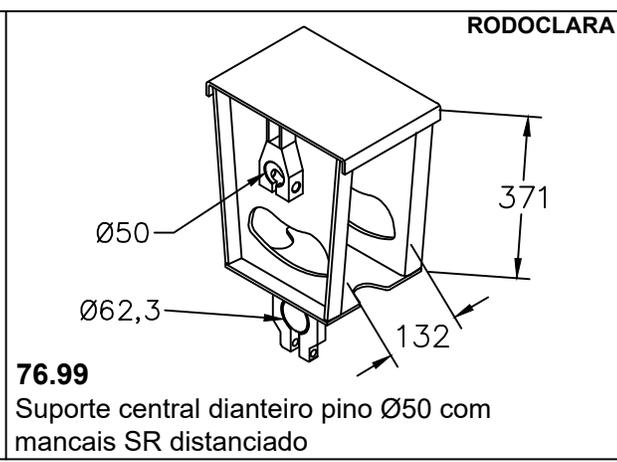
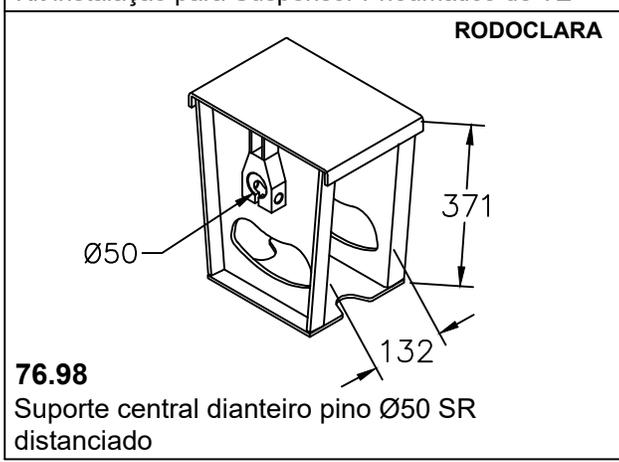
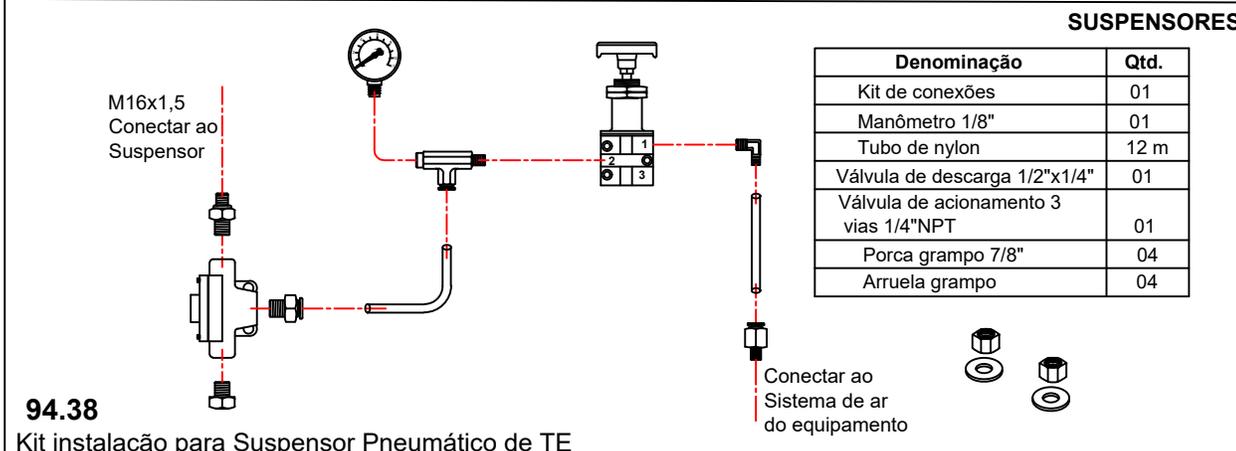
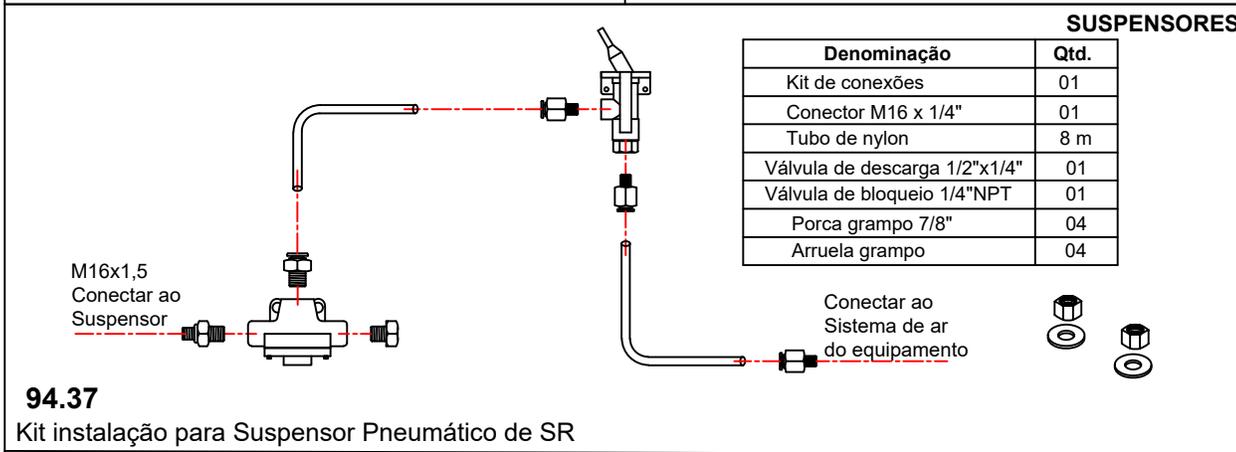
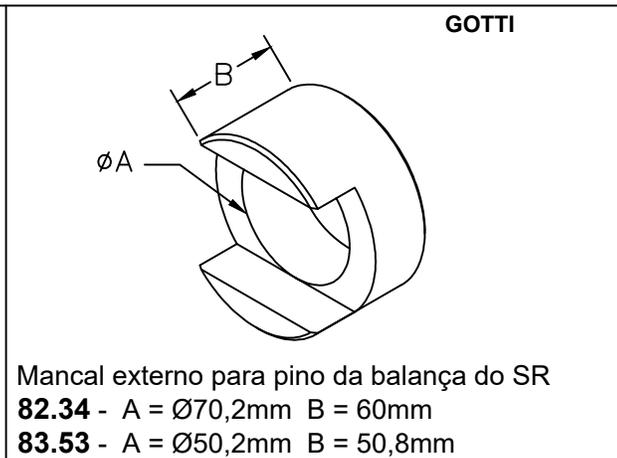
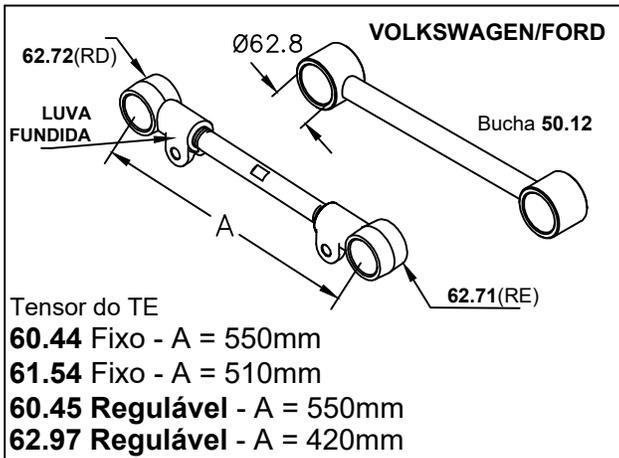


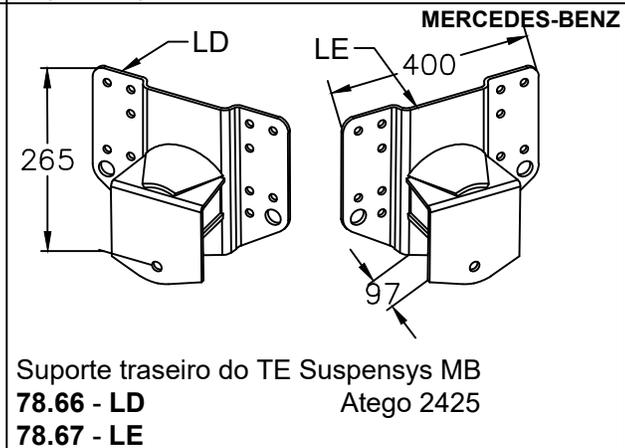
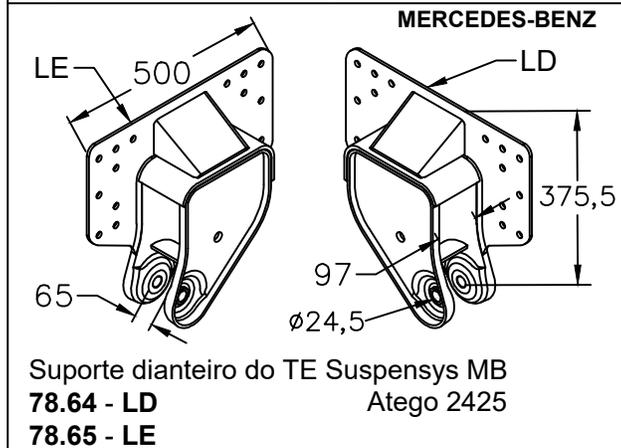
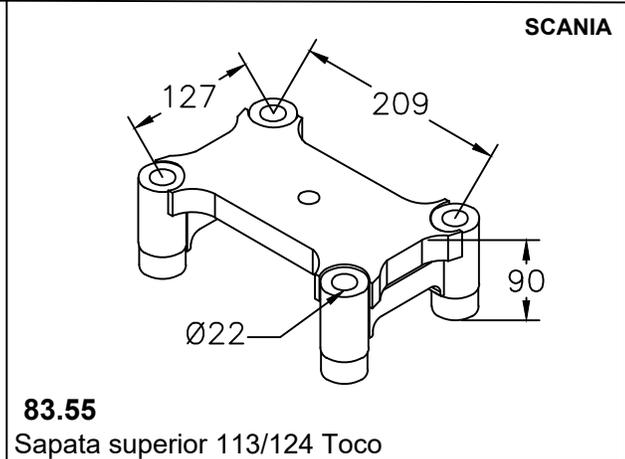
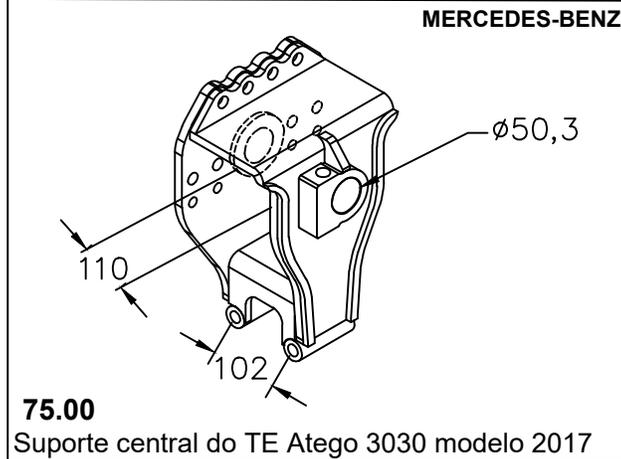
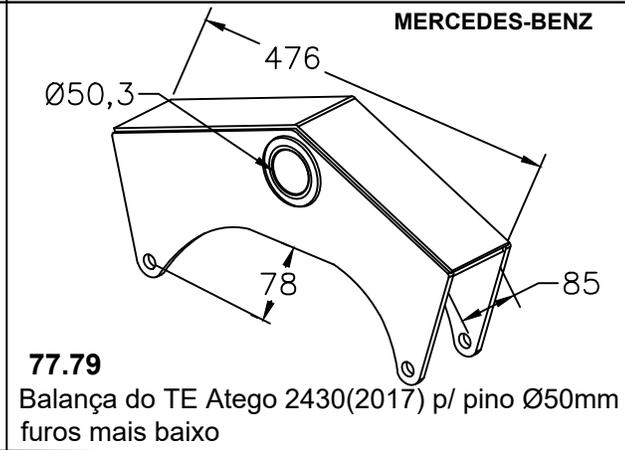
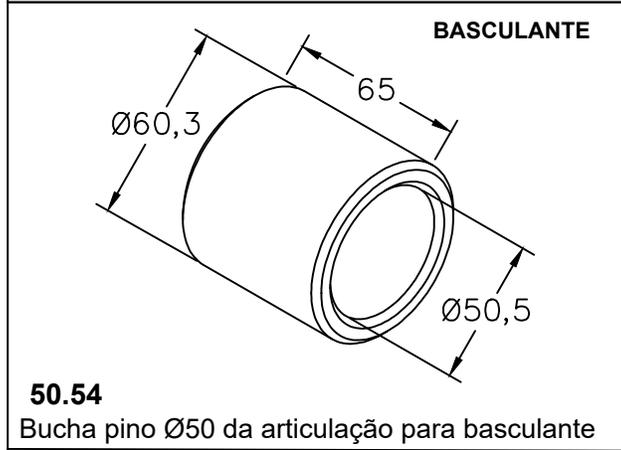
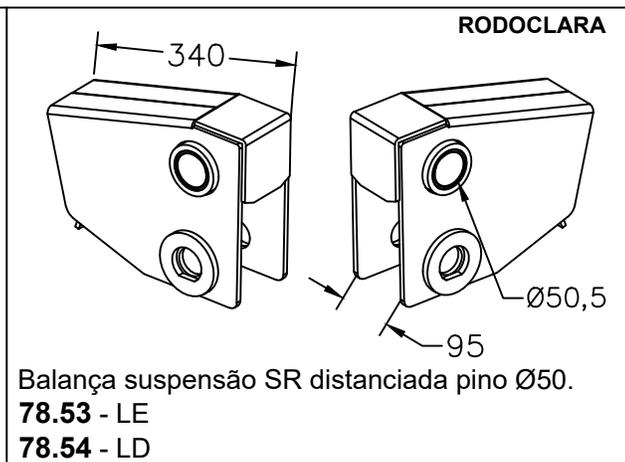
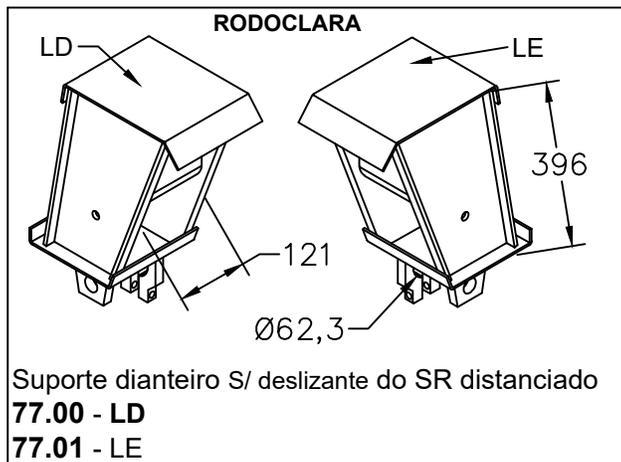
- 84.01**
- Deslizante suportes dian./tras. do TE
- VW 13.180

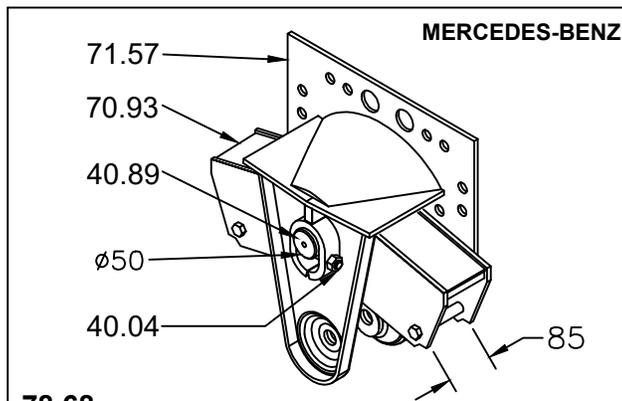
**VOLKSWAGEN**



- 42.71**
- Pino da balança do TE VW 13.180

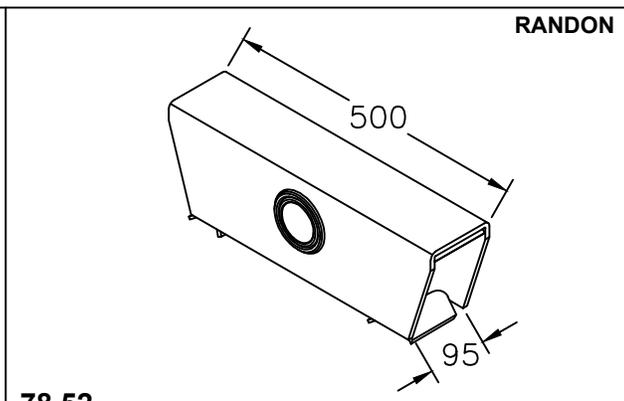






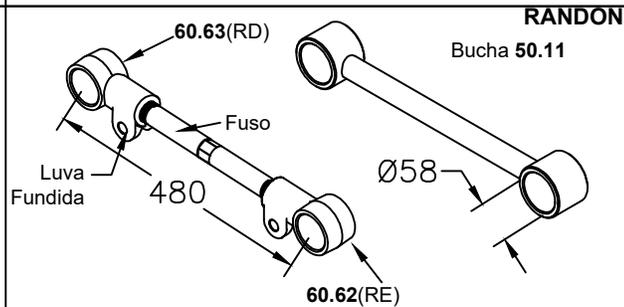
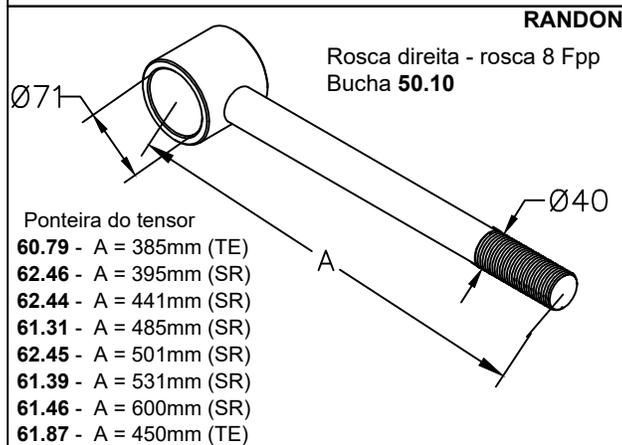
**78.68**

Kit montado suporte central do TE MB 1620



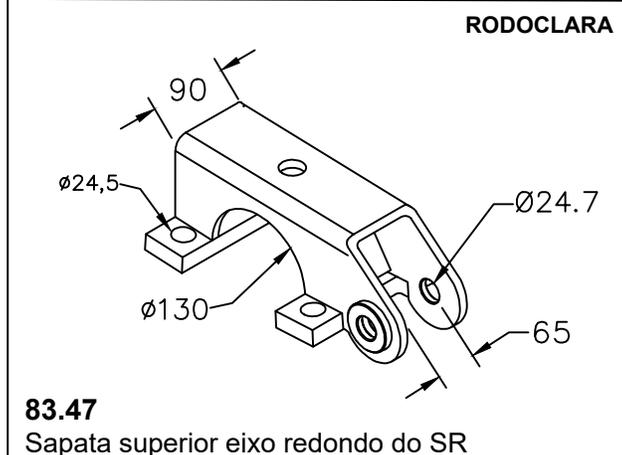
**78.52**

Balança do TE LS p/ pino Ø 60mm



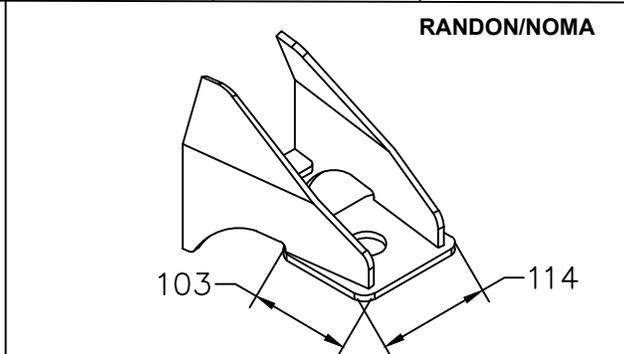
Tensor do SR 2000

REGULÁVEL		FIXO	FUSO
60.90	- A = 480mm	61.22	- 280mm
61.19	- A = 535mm	61.30	- 370mm
		61.34	- 430mm



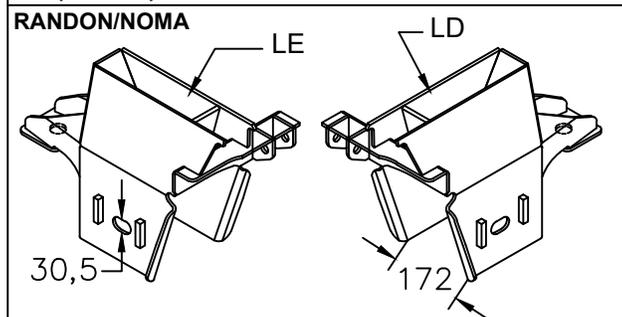
**83.47**

Sapata superior eixo redondo do SR



**78.59**

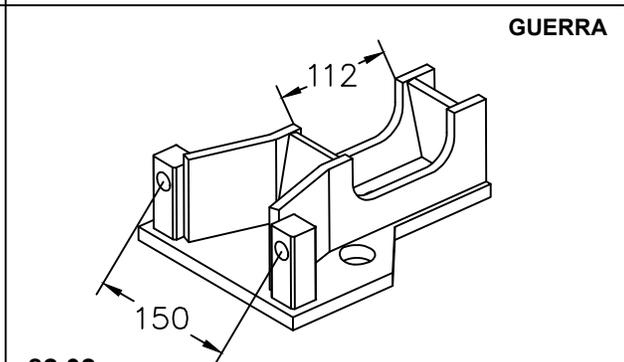
Apoio da Bolsa de levante do eixo do suporte dianteiro pneumático mod. KLL do SR.



Suporte Diant. KLL Suspensão Pneum. do SR com apoio bolsa levante do eixo

**78.57** - Lado Direito

**78.58** - Lado Esquerdo

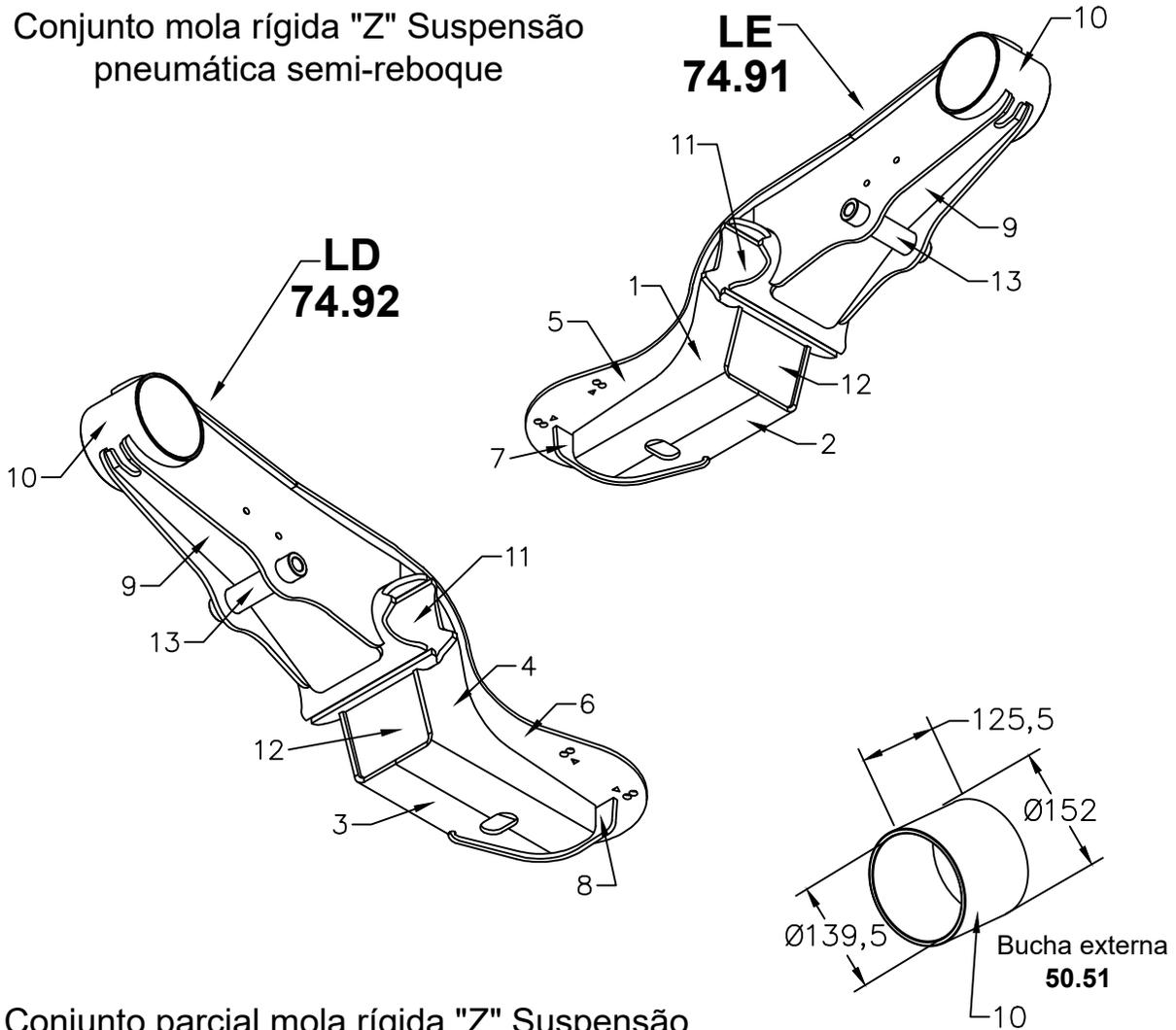


**82.02**

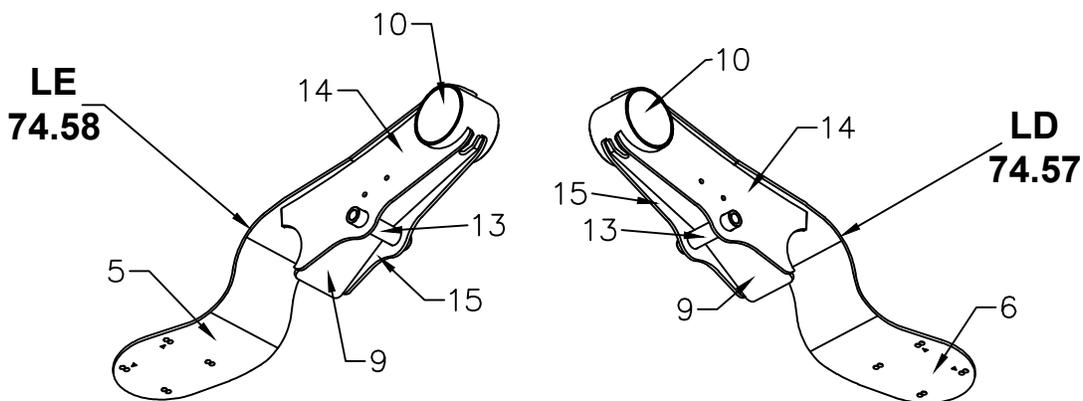
Sapata superior adaptação para eixo quadrado do SR

# RANDON

Conjunto mola rígida "Z" Suspensão pneumática semi-reboque

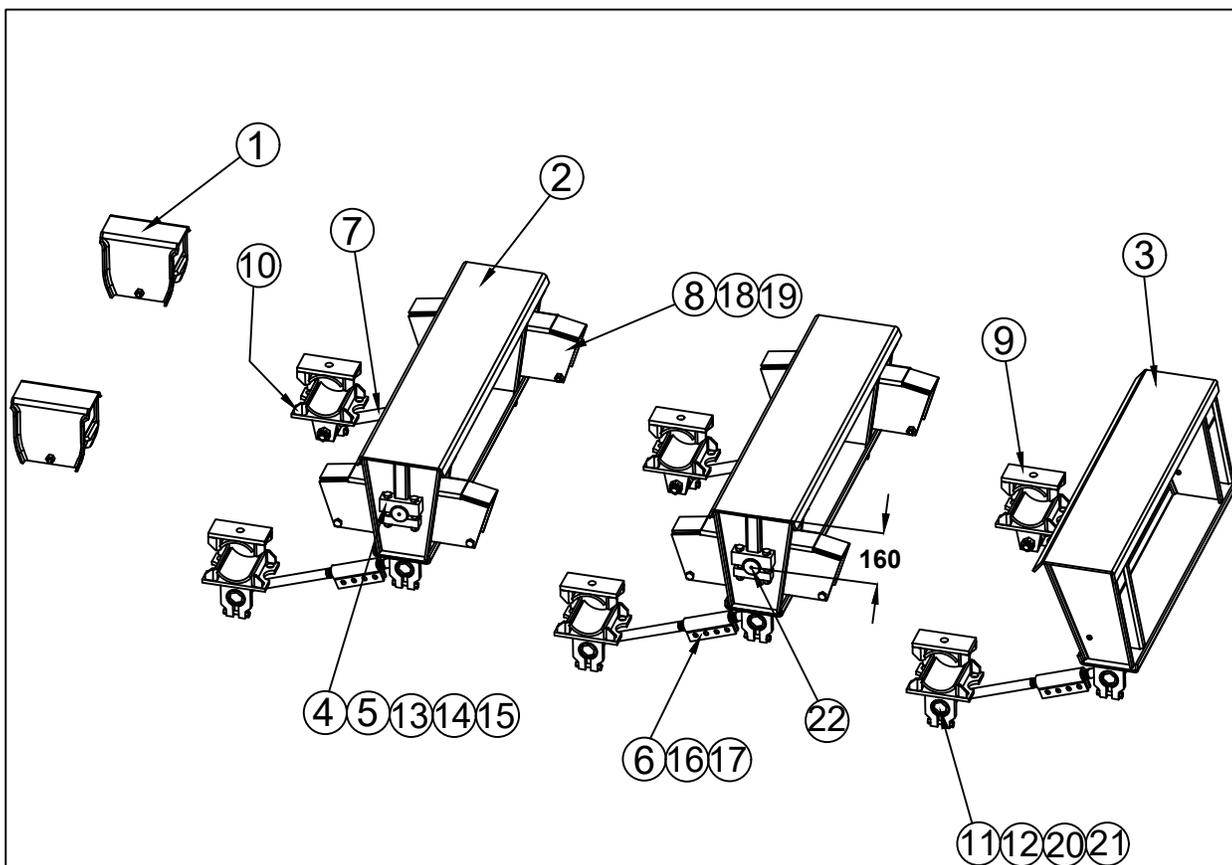


Conjunto parcial mola rígida "Z" Suspensão pneumática semi-reboque



Componentes na próxima página

## RODOCLARA

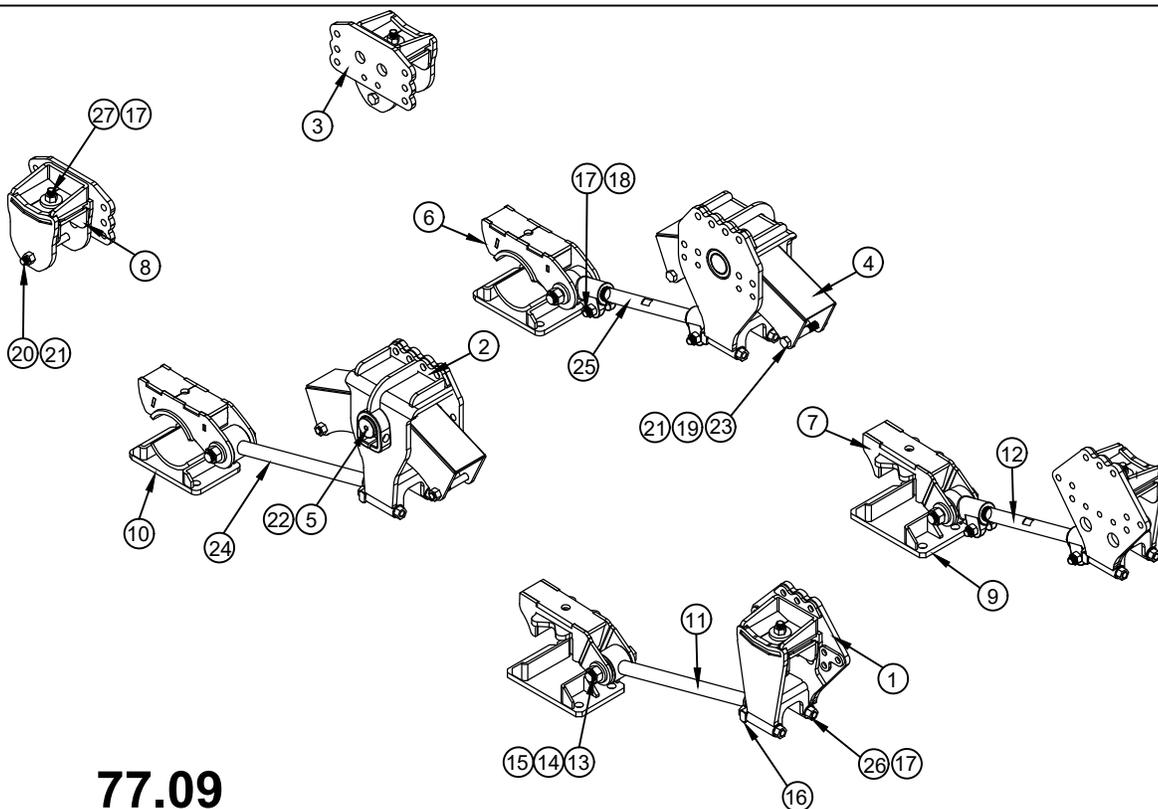


### 75.35

#### Suspensão 160mm 3 Eixos do SR

N°	Qtd.	Código	Denominação
01	02	<b>71.62</b>	Suporte traseiro
02	02	<b>77.58</b>	Cadeira Central
03	01	<b>77.60</b>	Cadeira Dianteira
04	04	<b>83.14</b>	Mancal trava pino
05	04	<b>42.64</b>	Pino da balança
06	03	<b>60.04</b>	Tensor regulável 692mm
07	03	<b>61.43</b>	Tensor Fixo 692mm
08	04	<b>70.17</b>	Balança para pino Ø60mm
09	06	<b>82.17</b>	Sapata superior
10	06	<b>82.18</b>	Sapata inferior
11	12	<b>41.04</b>	Pino do Tensor
12	12	<b>50.04</b>	Porca do pino tensor
13	08		Parafuso M16 x 125mm
14	08		Porca M16
15	08		Arruela de pressão
16	12		Parafuso M16 x 50mm
17	12		Porca M16 autotravante
18	12		Parafuso 5/8" x 6" zincado
19	12		Porca 5/8" autotravante
20	12		Parafuso 1/2" x 90mm
21	12		Porca 1/2" autotravante
22	04		Graxeira

# MERCEDES-BENZ



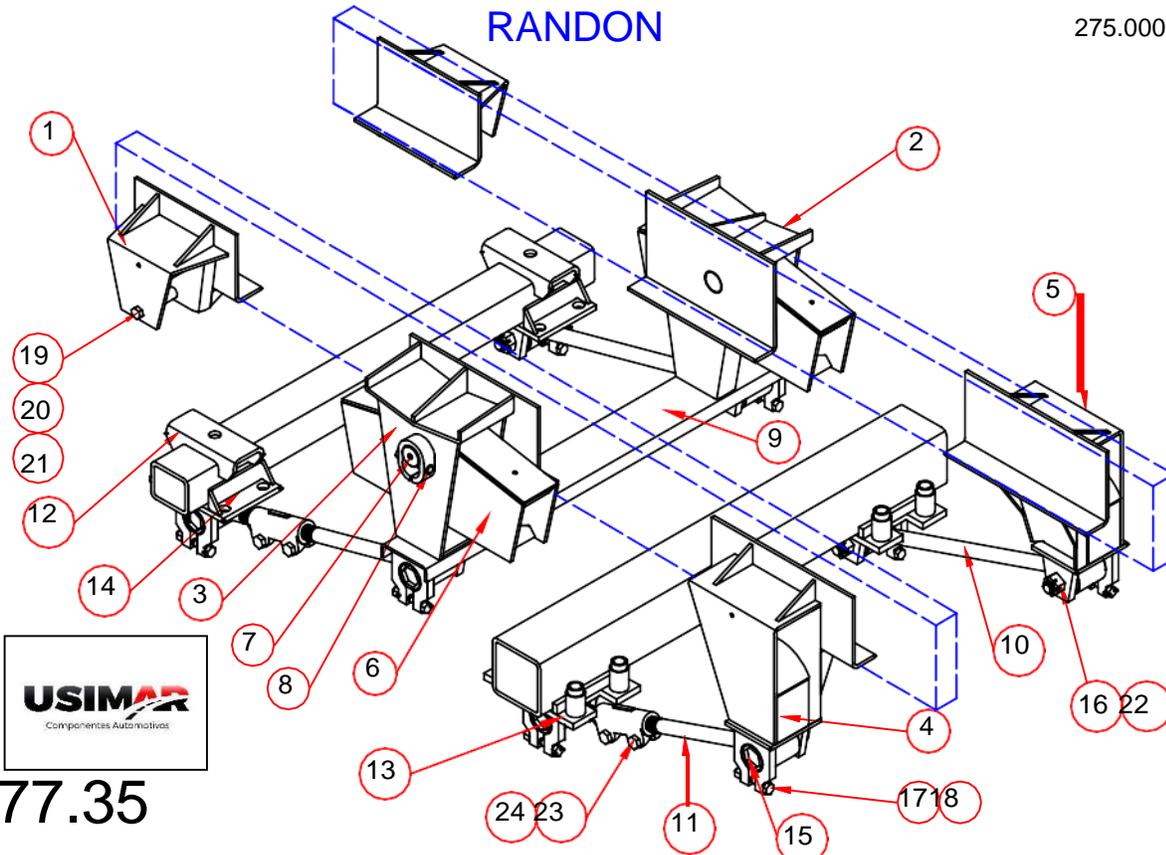
## 77.09

### Suspensão do TE Atego 3030 modelo 2017

Nº	Qtd.	Código	Descrição
1	2	75.01	Suporte dianteiro
2	2	75.00	Suporte central
3	2	74.50	Suporte traseiro
4	2	73.86	Balança pino Ø50mm
5	2	41.95	Pino da balança
6	2	83.86	Sapata superior do eixo auxiliar
7	2	83.87	Sapata superior do eixo de tração
8	4	82.73	Deslizante
9	2		Sapata inferior eixo tração
10	2		Sapata inferior eixo auxiliar
11	1	63.07	Tensor fixo dianteiro 420mm
12	1	63.08	Tensor regulável dianteiro 420mm
13	4	41.16	Pino do tensor M24 x 125mm
14	4	50.26	Porca do pino tensor M24
15	4	91.27	Bucha molecular sem pino 2030.3
16	4	91.26	Bucha molecular com pino 2035.3
17	8		Porca 8.8 M16 autotravante
18	8		Parafuso 8.8 M16 x 80mm
19	12		Parafuso 5/8" x 5"
20	2		Parafuso 5/8" x 6"
21	14		Porca 5/8" autotravante
22	2	41.18	Pino cônico com porca autotravante
23	4		Tubo 84mm
24	1	63.09	Tensor fixo traseiro 440mm
25	1	63.10	Tensor regulável traseiro 440mm
26	8		Parafuso 10.9 M16 x 130mm
27	4		Parafuso 8.8 M16 x 60mm

RANDON

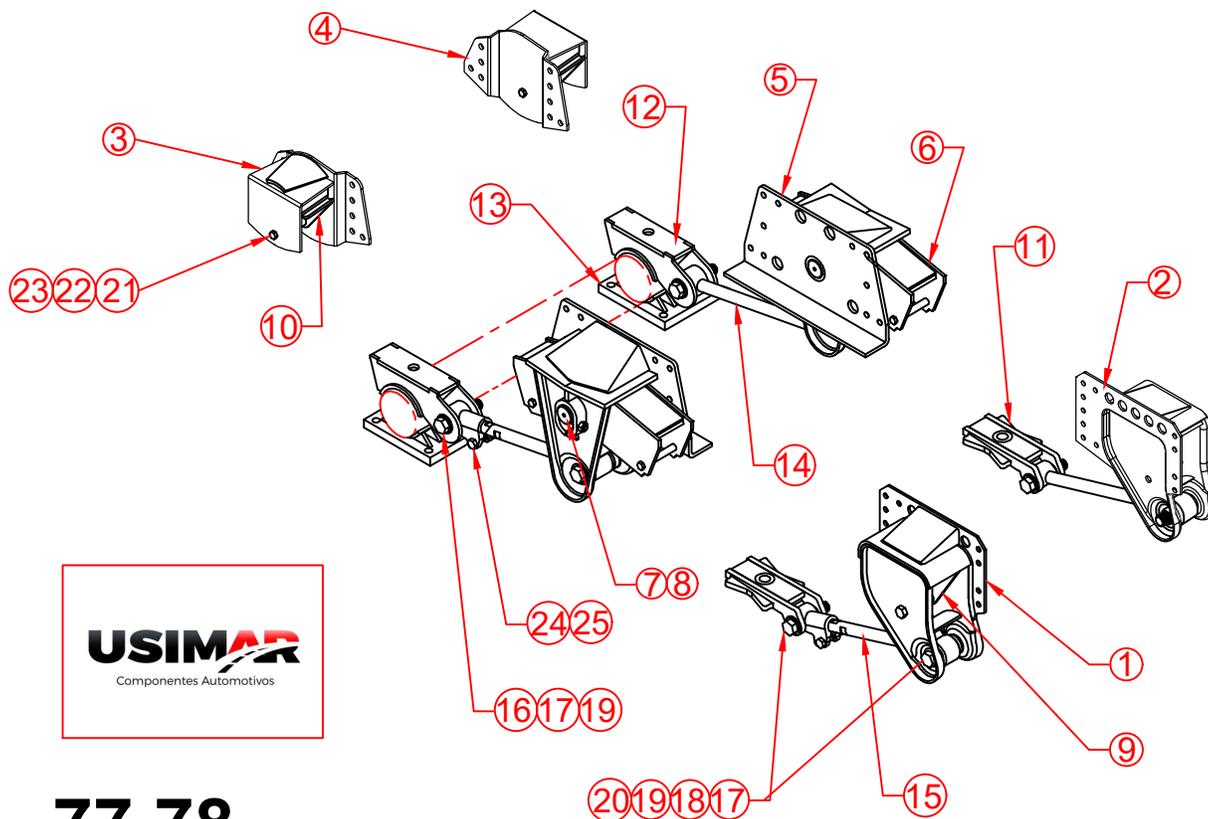
275.000 g



77.35

Suspensão do TE LS Randon para Scania

N°	Qtd.	Código	Denominação
01	02	73.93	Suporte traseiro
02	01	74.15	Suporte central LE
03	01	74.16	Suporte central LD
04	01	73.94	Suporte dianteiro LD
05	01	73.95	Suporte dianteiro LE
06	02	70.13	Balança Pino Ø50
07	02	40.31	Pino da balança
08	02	41.18	Contrapino do mancal + porca autotr.
09	01	73.96	Travessa de ligação
10	02	62.16	Tensor fixo com 665 mm
11	02	60.91	Tensor regulável com 665 mm
12	02	80.79	Sapata superior
13	02	81.93	Sapata inf. de tração p/ Scania
14	02	80.85	Sapata inferior
15	08	41.04	Pino tensor
16	08	50.04	Porca do pino
17	08		Parafuso 1/2" x 3 1/2"
18	08		Porca 1/2"
19	02		Parafuso 5/8" x 5"
20	02		Porca Autotravante 5/8"
21	02	81.04	Tubo 93mm
22	08		Contra pino 3/16" x 2"
23	04		Parafuso sext. M16 x 80mm
24	04		Porca M16

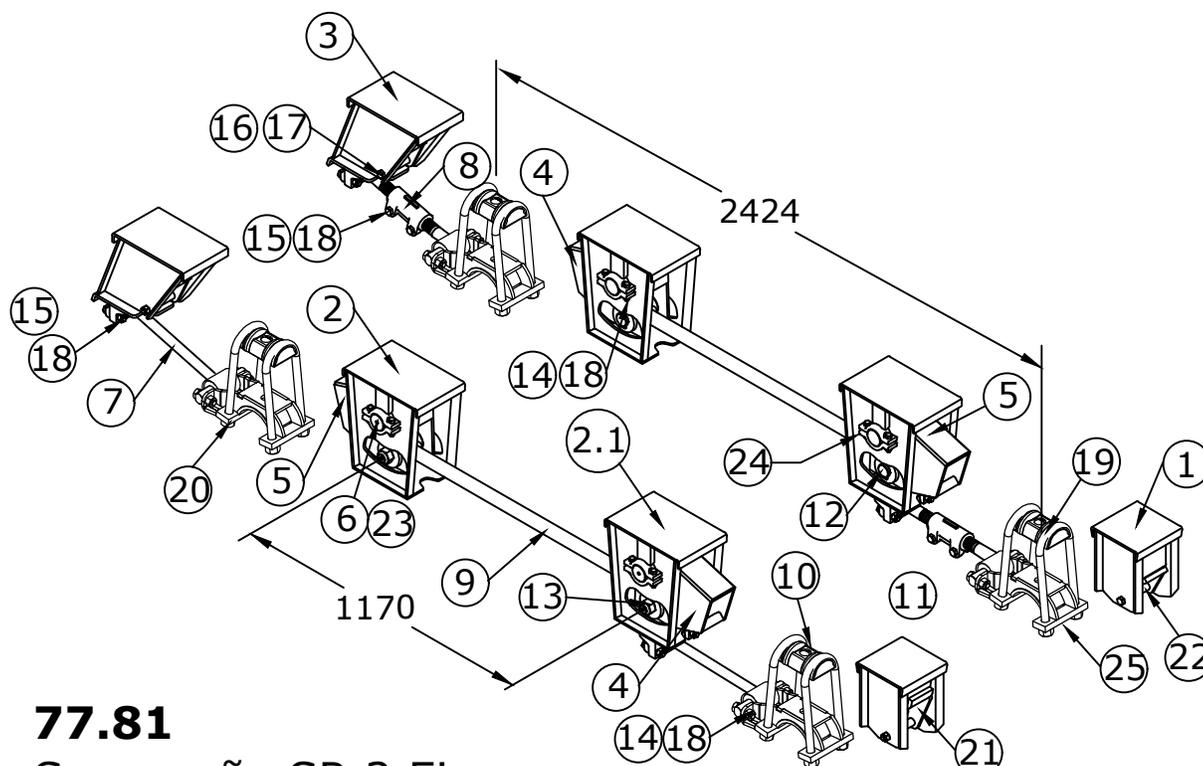


# 77.78

## Suspensão TE LS MOLA DE 100 - MB 1944

N°	Qtd.	Código	Denominação
01	01	<b>73.52</b>	Suporte dianteiro LD
02	01	<b>73.53</b>	Suporte dianteiro LE
03	01	<b>74.36</b>	Suporte traseiro LD
04	01	<b>74.35</b>	Suporte traseiro LE
05	02	<b>75.04</b>	Suporte central
06	02	<b>70.95</b>	Balança
07	02	<b>40.93</b>	Pino da balança
08	02	<b>41.18</b>	Pino cônico 9/16"+ porca
09	02	<b>80.19</b>	Deslizante suporte dianteiro
10	02	<b>80.20</b>	Deslizante suporte traseiro
11	02	<b>81.03</b>	Sapata superior eixo tração
12	02	<b>80.31</b>	Sapata superior do "TE"
13	02	<b>82.11</b>	Sapata inferior do "TE"
14	02	<b>63.05</b>	Tensor fixo 500mm
15	02	<b>63.06</b>	Tensor regulável 500mm
16	02	<b>41.16</b>	Parafuso tensor M24 x 125
17	08	<b>50.26</b>	Porca autotravante M24
18	06	<b>41.20</b>	Parafuso tensor M24 x 145
19	08	<b>30.92</b>	Arruela
20	08	<b>90.63</b>	Bucha molecular 2045.3
21	08		Parafuso sext. 5/8" x 6"
22	08		Porca 5/8"
23	08	<b>83.71</b>	Tubo 100mm
24	04		Parafuso 8.8 M16 x 80
25	04		Porca M16

# ROSSETTI



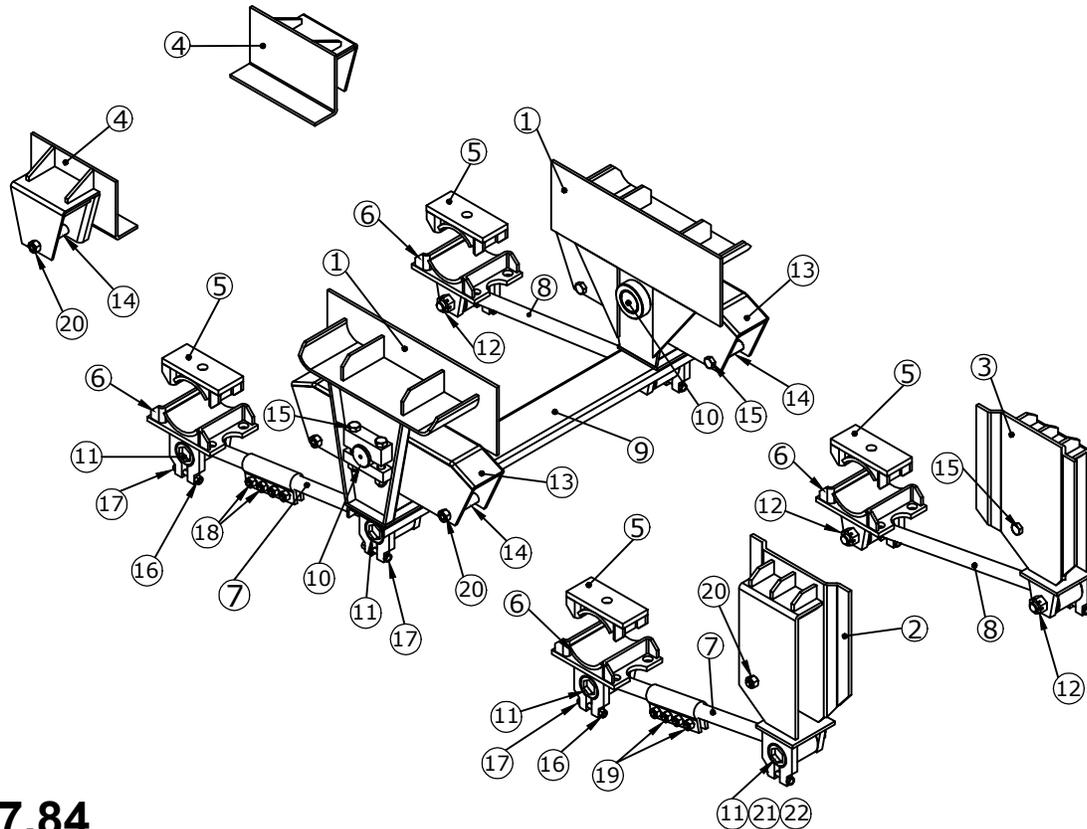
## 77.81

Suspensão SR 2 Eixos

Distanciada Vanderléia NK

Nº	Qtd.	Código	Denominação
01	02	77.82	Suporte Traseiro
02	02	77.64	Suporte Central Dianteiro s/ mancal NK
2.1	02	77.65	Suporte Central Traseiro c/ mancal NK
03	02	77.83	Suporte Dianteiro
04	02	76.50	Balança LD pino Ø60mm
05	02	76.49	Balança LE pino Ø60mm
06	04	41.88	Pino da Balança Ø60 x 245mm
07	02	60.36	Tensor Fixo c/ 440mm
08	02	60.35	Tensor Regulável c/ 440mm
09	02	62.69	Equalizador c/ 1170mm
10	08	91.85	Grampo de mola 7/8" x 92 x 320 tipo "C"
11	08	90.11	Bucha molecular Nakata
12	04	40.73	Pino do Tensor c/ 1170mm (M30 x 170mm)
13	04	50.30	Porca do Pino do Tensor M30
14	24		Parafuso M16 x 60 classe 8.8 zincado
15	12		Parafuso M16 x 80 classe 8.8 zincado
16	04		Parafuso 5/8" x 6" zincado
17	04		Porca 5/8" autotravante zincado
18	36		Porca M16 amassada zincada
19	04	82.72	Separador de grampo fundido
20	16	90.13	Porca Sextavada 7/8"
21	04	81.13	Deslizante Móvel
22	04	82.04	Tubo Ø1" x 93mm
23	04		Graxeira reta 1/8" gas
24	04	81.25	Semi-mancal do pino furo Ø16.5mm
25	04	83.35	Sapata eixo 150mm NK

## RODO CLARA



**77.84**

### Suspensão TE LS de 90mm Rodo Clara

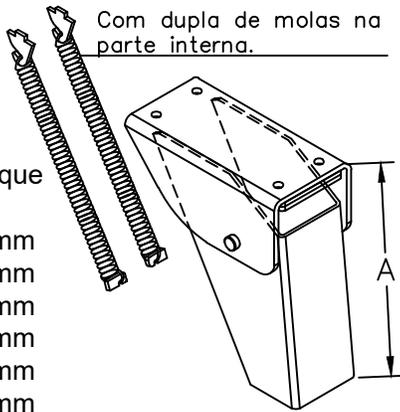
Nº	Qtd.		Descrição
1	2	76.44	Suporte Central
2	1	77.86	Suporte dianteiro LE 1/2"x433mm
3	1	77.85	Suporte dianteiro LD 1/2"x433mm
4	2	73.93	Suporte traseiro TE LS
5	4	82.17	Sapata superior eixo redondo
6	4	82.18	Sapata inferior eixo redondo
7	2	62.54	Tensor regulável TE 680mm
8	2	62.50	Tensor fixo TE 680mm
9	1	77.87	Travessa de ligação
10	2	42.69	Pino da balança Ø60
11	8	41.04	Pino tensor
12	8	50.04	Porca castelo pino tensor
13	2	71.96	Balança fora de centro
14	6	82.04	Tubo 93mm
15	12		Parafuso 5/8" X 5"
16	6		Porca M12 autotravante
17	6		Parafuso M12 x 100
18	8		Parafuso 9/16" x 2"
19	8		Porca 9/16" autotravante
20	12		Porca 5/8" autotravante
21	8	1002.1	Bucha com aba rodoviária
22	8	1003.1	Bucha sem aba rodoviária



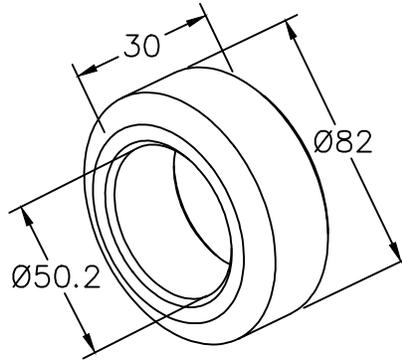
FACCHINI

Coluna Parachoque do SR

- 78.69 - A = 390mm
- 78.70 - A = 350mm
- 78.71 - A = 410mm
- 78.72 - A = 440mm
- 78.73 - A = 480mm
- 78.74 - A = 520mm

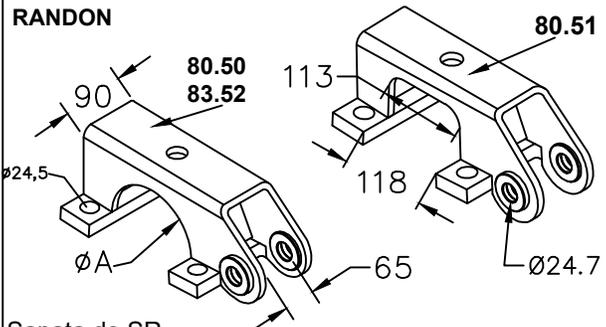


GOTTI



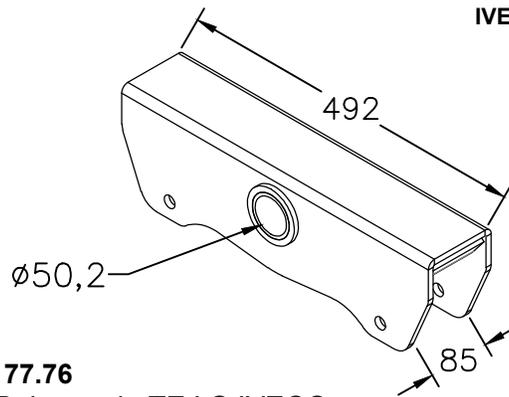
83.61 Mancal interno para pino da balança

RANDON



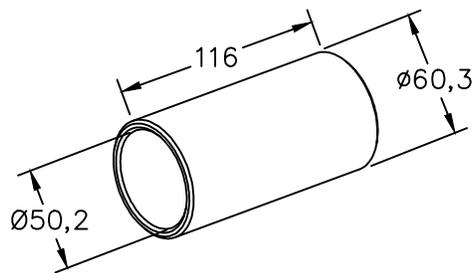
Sapata do SR  
 80.50 - Eixo redondo A = Ø140mm  
 80.51 - Eixo quadrado  
 83.52 - Eixo redondo A = Ø127mm

IVECO

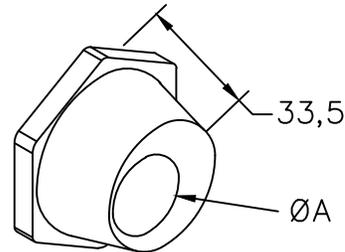


77.76 Balança do TE LS IVECO

IVECO

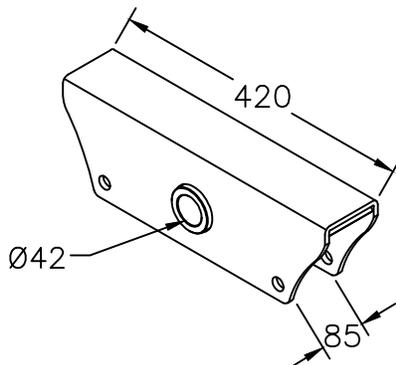


51.78 Bucha interna da balança

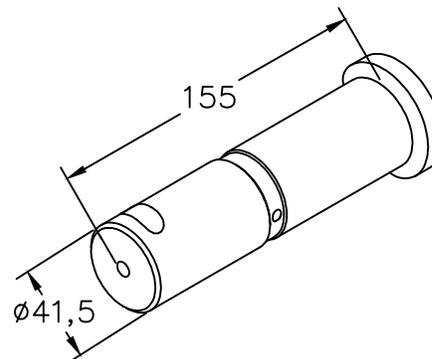


Mancal de regulagem no suporte suspensão pneum. KLL  
 84.22 - A = Ø29,3mm  
 84.25 - A = Ø18,3mm  
 84.26 - A = Ø33,3mm

Pino: 41.39

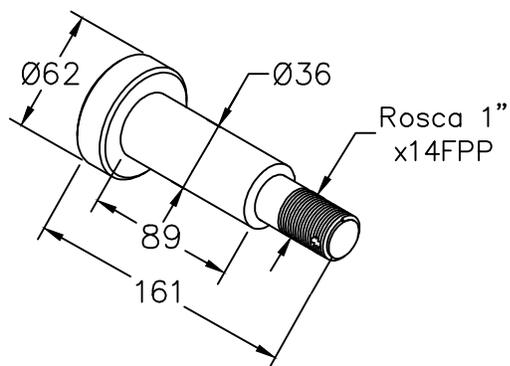


78.15 Balança pino Ø41,5 do TE 3/4"



41.39 Pino da balança do TE 3/4"

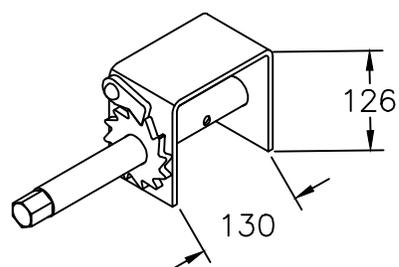
HÉLIO



40.74

Pino tensor para TE Hélio (Porca castelo 50.04)

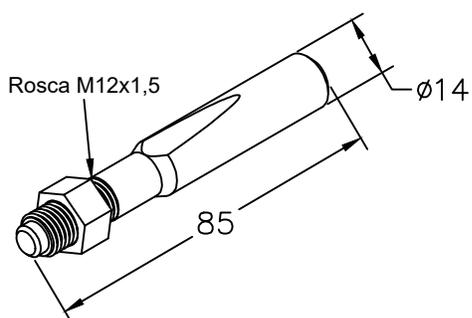
USIMAR/DIVERSOS



92.50

Catraca para porta estepe

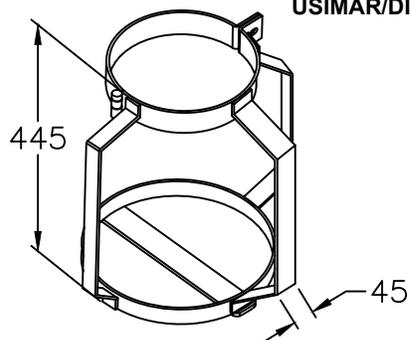
IVECO



42.06

Pino cônico do mancal suporte do TE

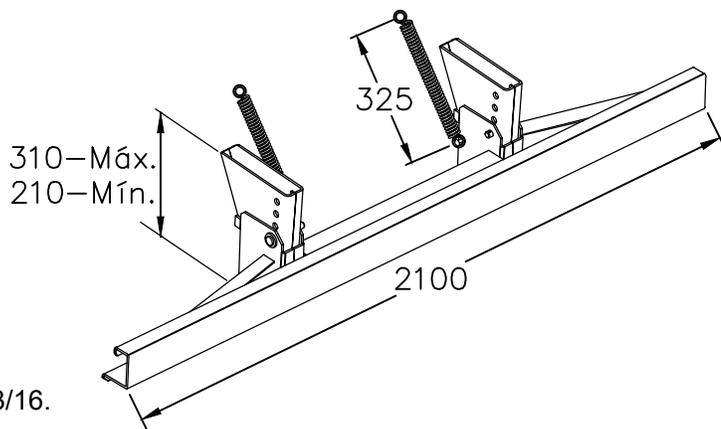
USIMAR/DIVERSOS



24.70

Suporte bujão de gás P13kg

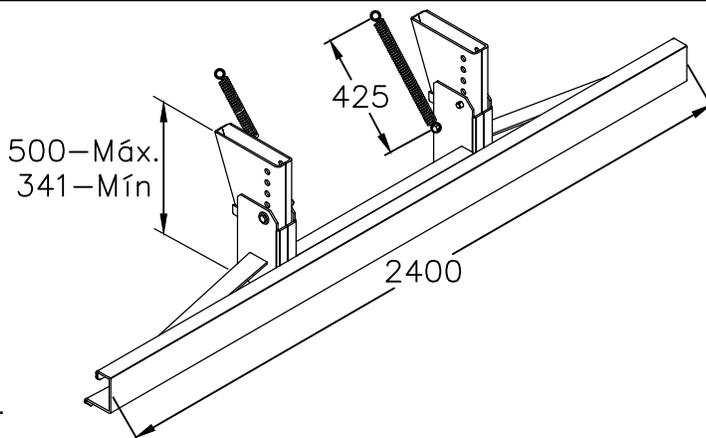
USIMAR/DIVERSOS



94.39

Paracheque articulado e ajustável  
4 posições, de 4 à 10 Ton.  
Atende Resolução Contran nº 593/16.

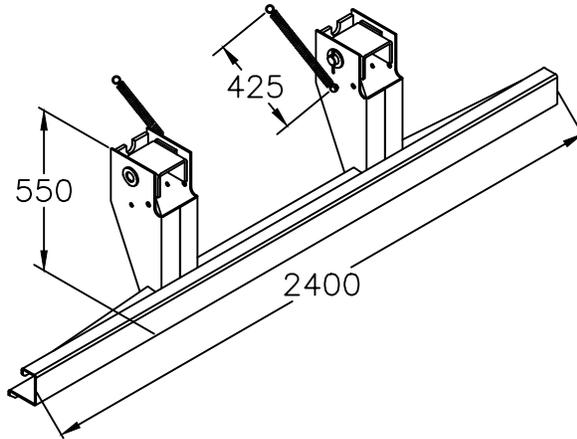
USIMAR/DIVERSOS



94.40

Paracheque articulado e ajustável  
5 posições, de 10 à 23 Ton.  
Atende Resolução Contran nº 593/16.

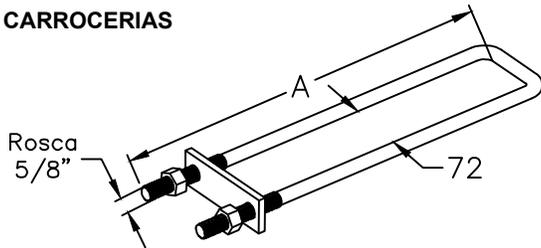
**USIMAR/DIVERSOS**



**94.41**

Paracheque articulado SR  
acima de 23 Ton.  
Atende Resolução Contran nº 593/16.

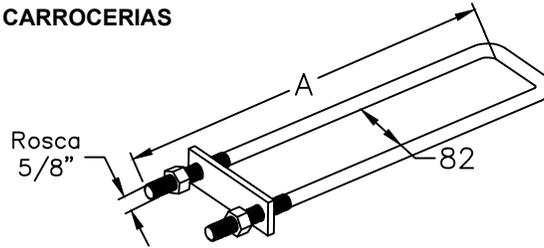
**CARROCERIAS**



Grampo 72mm para carroceria completo

CÓDIGO	A
92.39	430
94.08	440
94.09	450
94.43	400

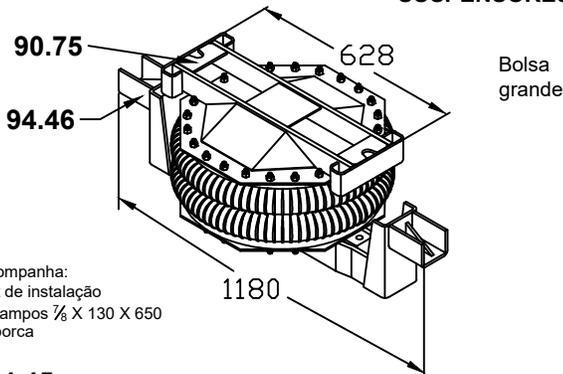
**CARROCERIAS**



Grampo 82mm para carroceria completo

CÓDIGO	A	CÓDIGO	A
92.49	370	94.44	400
94.31	480		
94.32	500		
92.32	600		

**SUSPENSORES**

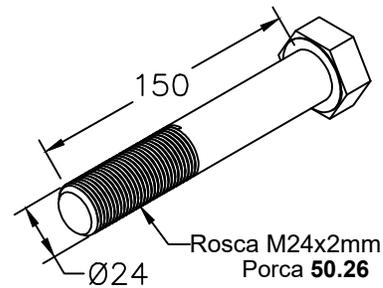


Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

**94.45**

Suspensor pneumático rebaixado do SR

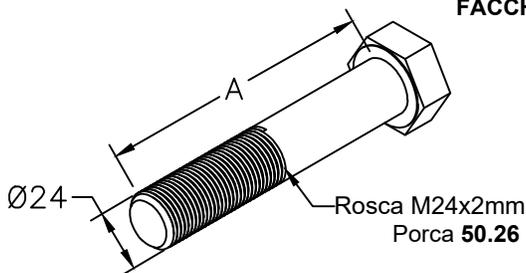
**NOMA**



**42.77**

Pino do tensor do SR moderno

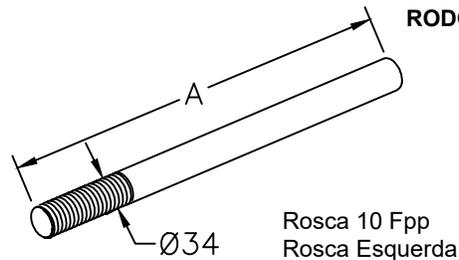
**FACCHINI**



Pino do tensor do SR moderna

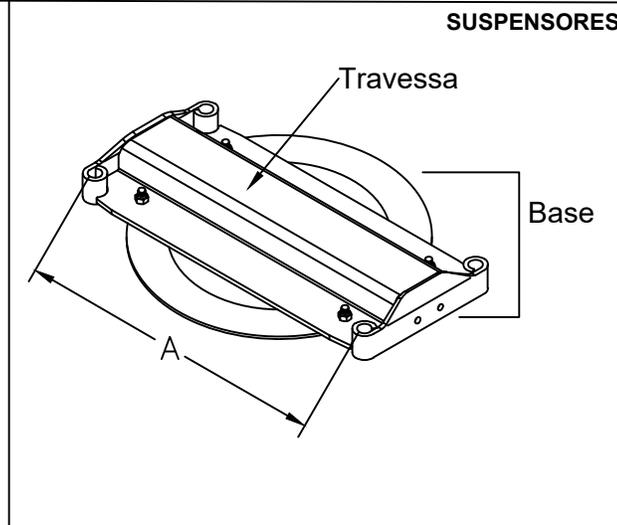
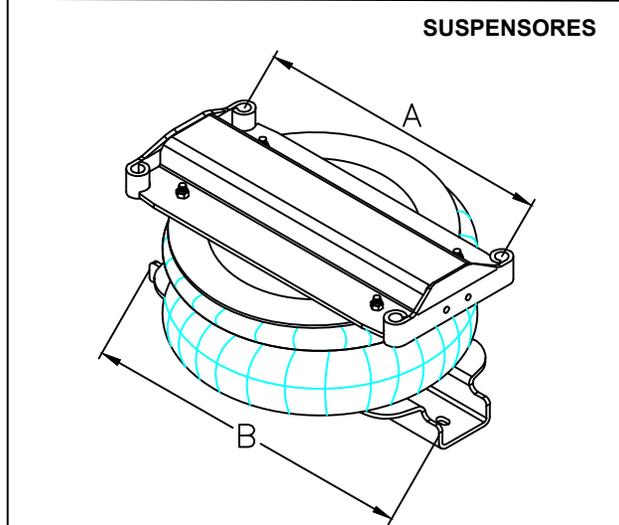
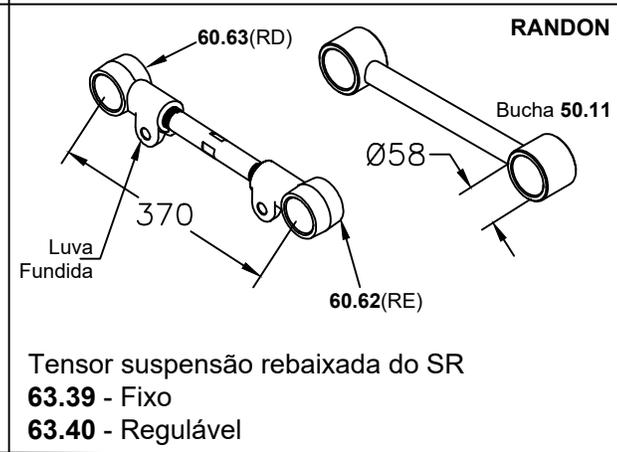
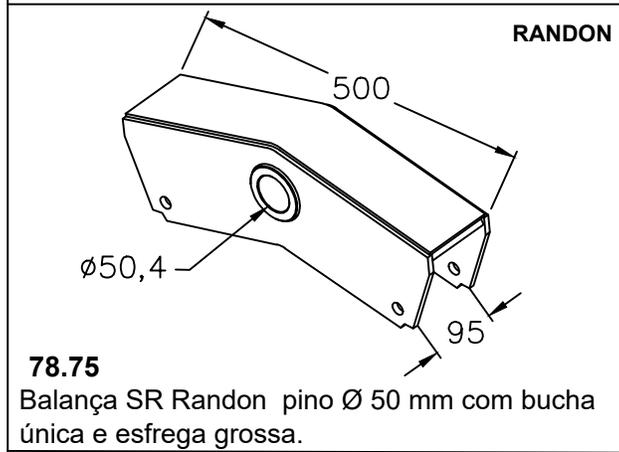
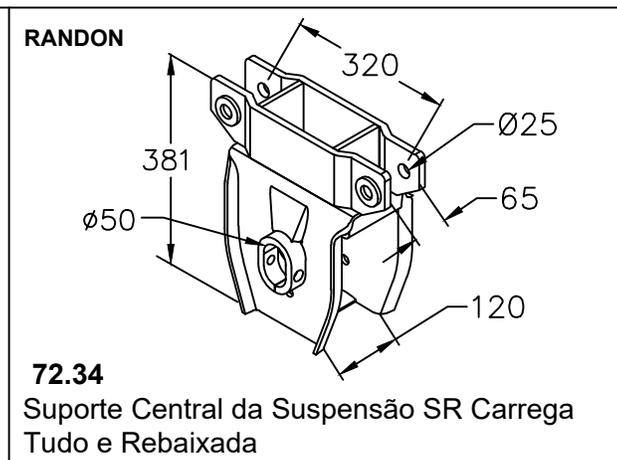
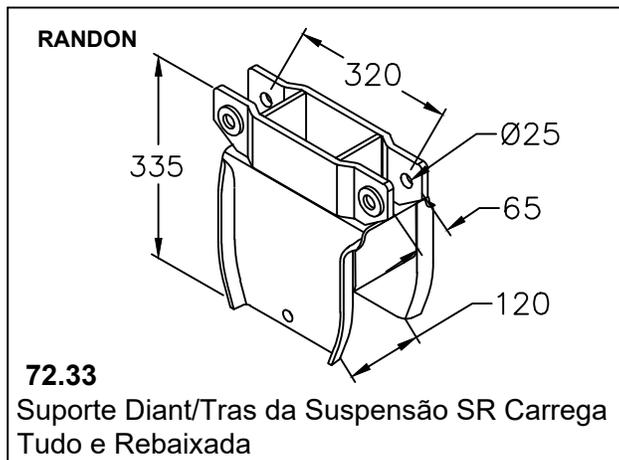
- 41.16** - A = 125mm
- 41.20** - A = 145mm
- 41.80** - A = 135mm

**RODOVIÁRIA**



Varão do tensor

- 60.11** - A = 440mm
- 60.12** - A = 570mm
- 60.14** - A = 800mm
- 63.41** - A = 600mm



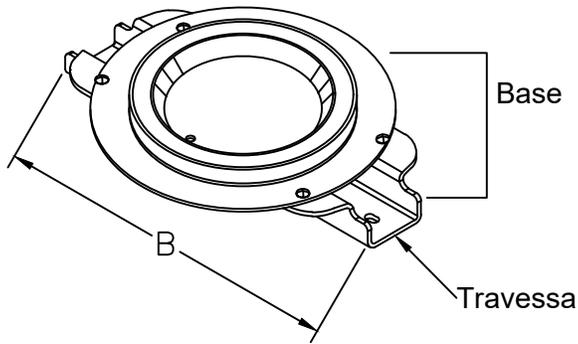
Suspensor Pneumático para TE mod. Jost

CÓD.	A mm	B mm	Bolsa	Aplicação
94.49	530	575	grande	Scania
94.54	593	665	grande	Volvo/VW/Ford/Iveco
94.59	512	572	pequena	DAF/MAN
94.64	616	697	grande	MB Atego
94.69	540	597	grande	MB's cavalo mecânico
94.74	646	697	grande	TE MB

Base Superior Suspensor Pneumático para TE mod. Jost

Cód. Base	A mm	Cód. Travessa	Aplicação
94.50	530	94.52	Scania
94.55	593	94.57	Volvo/VW/Ford/Iveco
94.60	512	94.62	DAF/MAN
94.65	616	94.67	MB Atego
94.70	540	94.72	MB's cavalo mecânico
94.75	646	94.77	TE MB

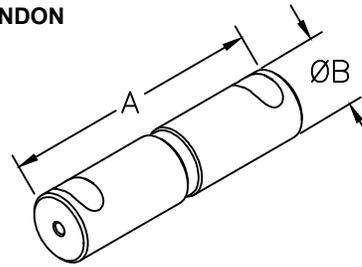
**SUSPENSORES**



Base Inferior Suspensor Pneumático para TE mod. Jost

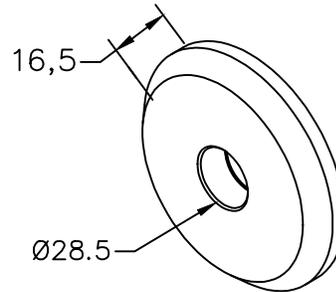
Cód. Base	B mm	Cód. Travessa	Aplicação
94.51	575	94.53	Scania
94.56	665	94.58	Volvo/VW/Ford/Iveco
94.61	572	94.63	DAF/MAN
94.66	697	94.68	MB Atego
94.71	597	94.73	MB's cavalo mecânico
94.76	697	94.78	TE MB

**RANDON**



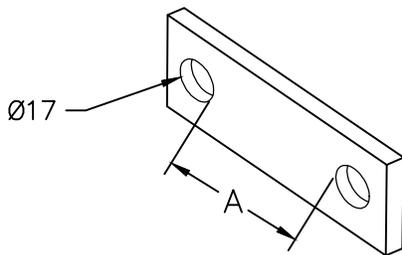
Pino da balança p/ chaveta cônica  
**40.07** - A = 260mm B = Ø60mm (SR)  
**40.08** - A = 226mm B = Ø60mm (TE)  
**40.09** - A = 260mm B = Ø50mm (SR)  
**42.78** - A = 240mm B = Ø60mm (TE)

**LIBRELATO**



**84.31**  
 Mancal ext. do Suporte da Suspensão Pneumática do SR

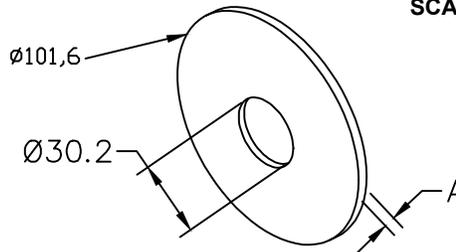
**CARROCERIAS**



Presilha do Grampo Carroceria

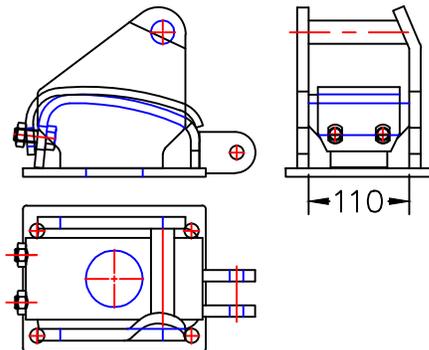
**94.79** - A = 73mm  
**94.80** - A = 83mm  
**94.81** - A = 93mm

**SCANIA**

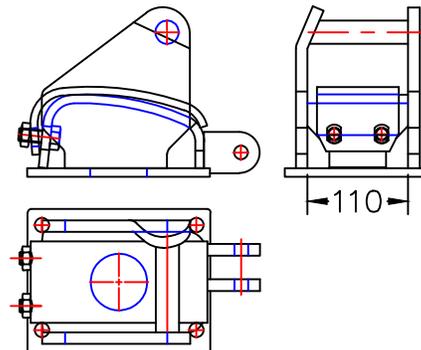


Arruela da suspensão pneumática Lisa

**82.26** - A = 2mm      **84.29** - A = 8mm  
**84.11** - A = 4,25mm      **84.30** - A = 9,5mm  
**84.28** - A = 6,35mm

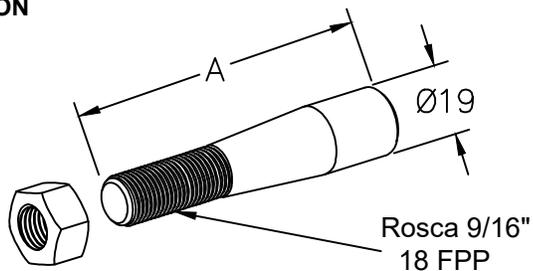


**83.99**  
 Suporte do deslizante da mola c/ chapa TR-Dir DT-Esq VW/Ford Traçado



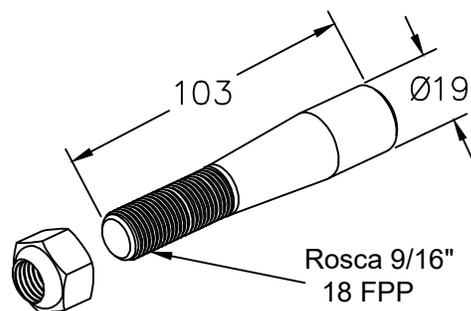
**84.00**  
 Suporte do deslizante da mola c/ chapa TR-Esq DT-Dir VW/Ford Traçado

RANDON



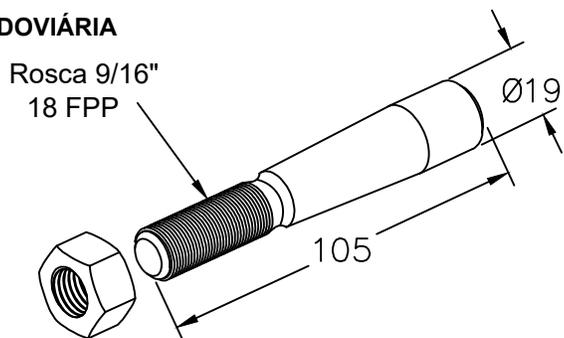
Pino cônico para mancal do SR  
**40.03** - A = 94mm sem Porca  
**40.04** - A = 94mm com Porca  
**40.05** - A = 103mm sem Porca  
**40.06** - A = 103mm com Porca

RANDON



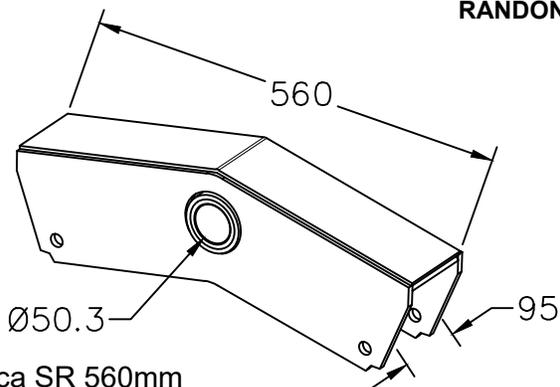
**41.18**  
 Pino cônico c/ Porca Autotravante

RODOVIÁRIA



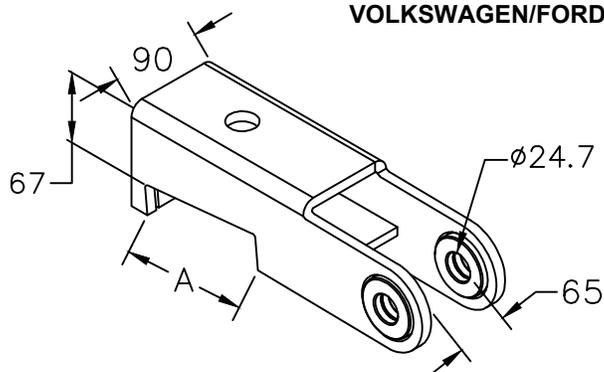
Pino Cônico do TE  
**42.80** = Com Porca  
**42.81** = Sem Porca

RANDON



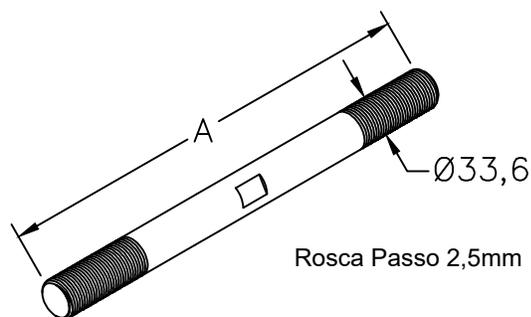
Balança SR 560mm  
**76.00** = Ø50  
**78.78** = Ø50 bucha única e esfrega grossa

VOLKSWAGEN/FORD



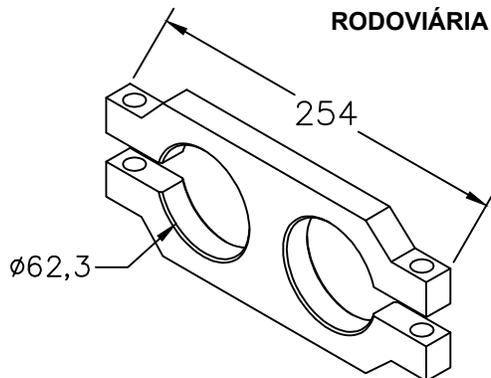
Sapata superior de tração do TE Suspensys  
**81.02** - A = 118mm  
**81.86** - A = 147mm

RANDON



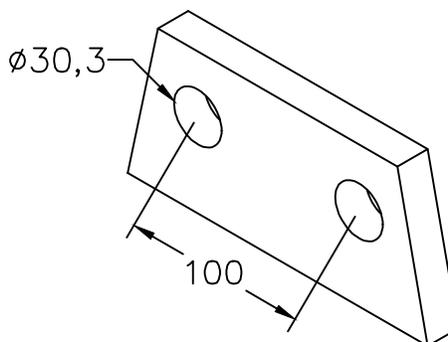
Fuso do tensor regulável do SR  
**60.75** - A = 388mm  
**60.77** - A = 330mm

RODOVIÁRIA

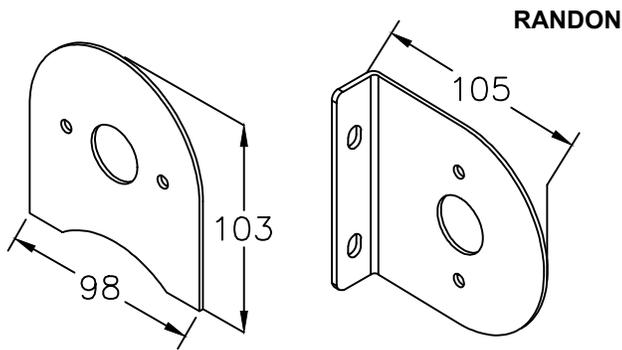


**84.33**  
 Mancal duplo externo do pino tensor do TE

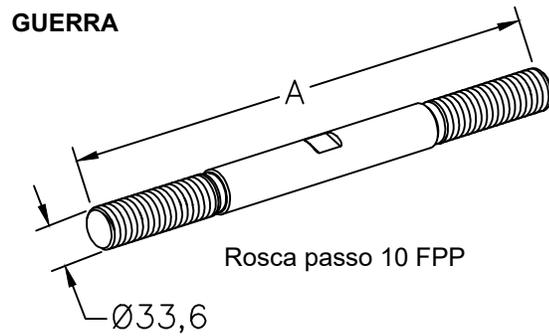
RODOVIÁRIA



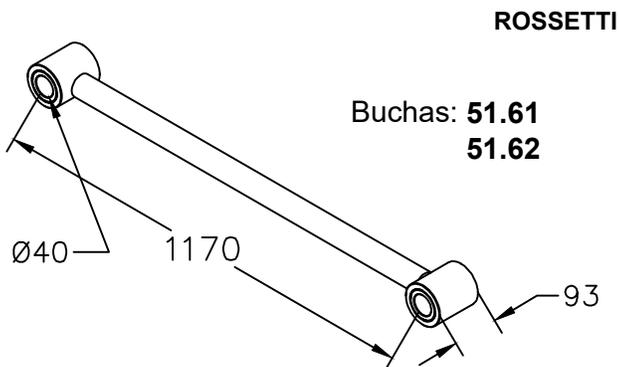
**84.34**  
 Mancal interno duplo para pino tensor do TE



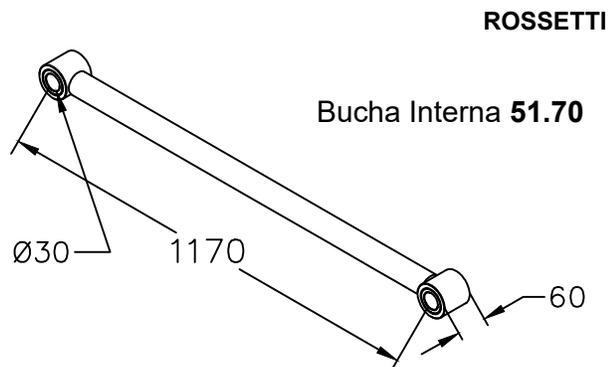
Suporte da lanterna do SR  
**20.86** = Reta  
**26.39** = Dobrada



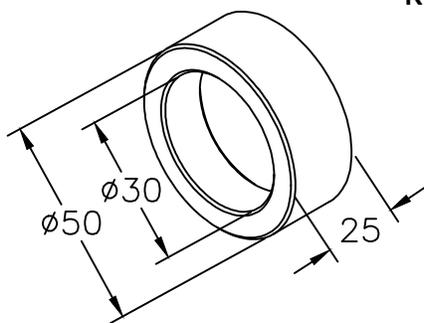
Fuso do tensor regulável  
**61.25** - A = 335mm  
**63.44** - A = 440mm



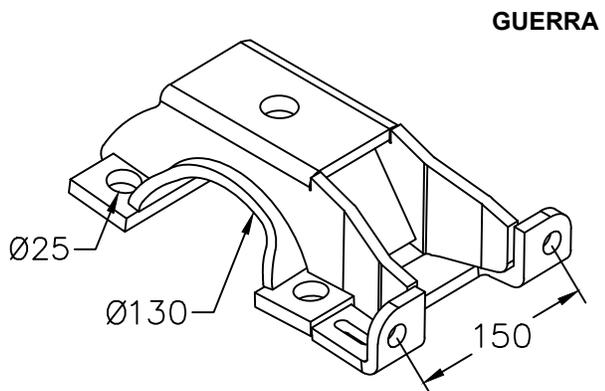
**62.69**  
 Equalizador c/ 1170mm SR  
 suspensão distanciada 2 eixos



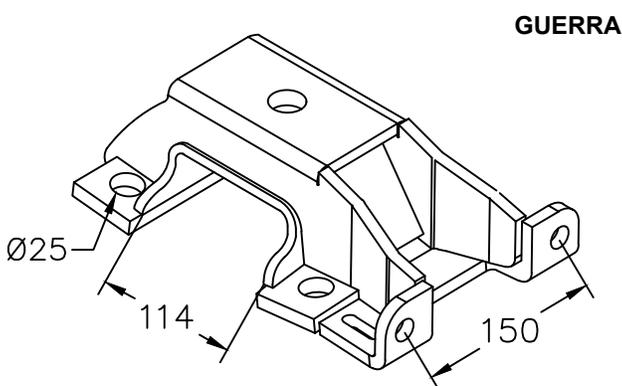
**63.11**  
 Equalizador p/ pino tensor Ø30 c/ 1170mm SR  
 suspensão distanciada 2 eixos



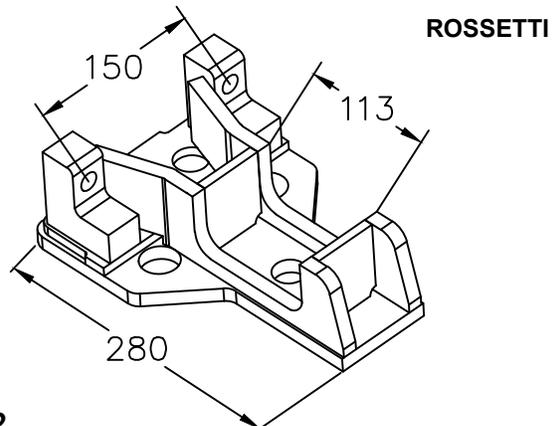
**51.70**  
 Bucha interna do equalizador 1170mm (63.11)



**80.35**  
 Sapata superior p/ eixo redondo do SR

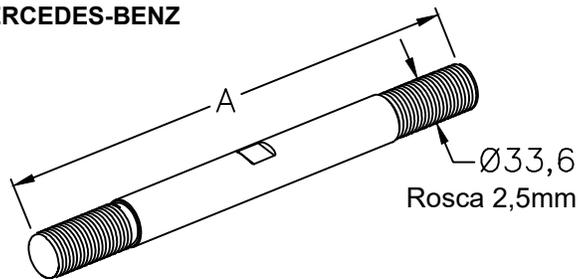


**82.42**  
 Sapata superior p/ eixo quadrado do SR



**84.32**  
 Sapata superior antiga do SR p/ eixo retangular

**MERCEDES-BENZ**



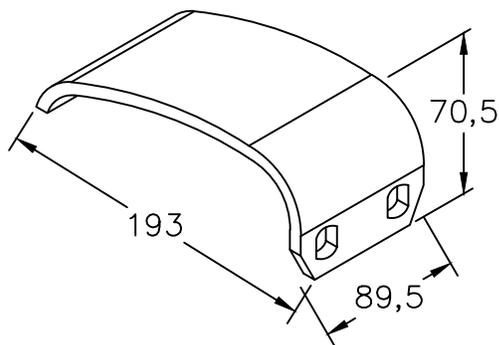
Fuso do tensor MB Atego 2425KLL

61.71 - A = 480mm

61.72 - A = 440mm

63.32 - A = 530mm

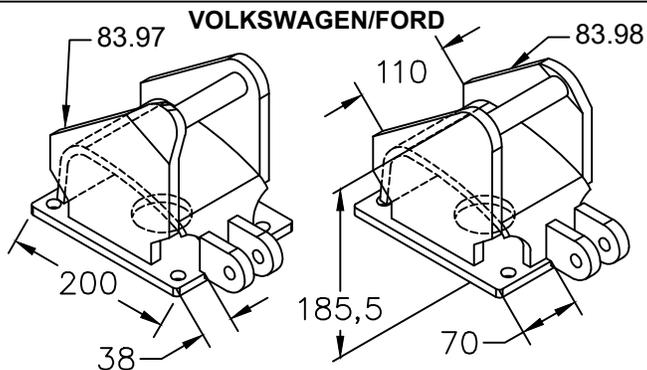
**VOLKSWAGEN/FORD**



**83.96**

Deslizante da mola para suportes dos traçados.

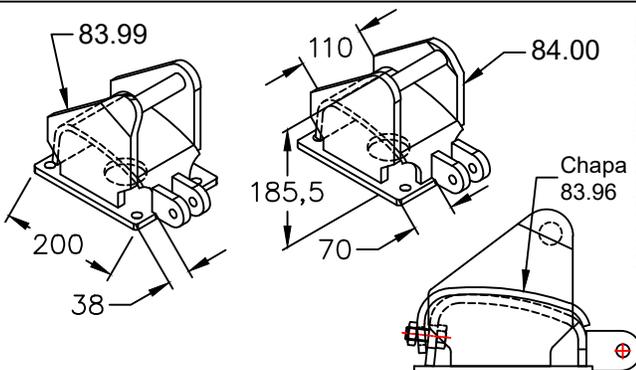
**VOLKSWAGEN/FORD**



Suporte deslizante da mola traçado (sem chapa)

**83.97** = Traseiro Direito/ Dianteiro Esquerdo

**83.98** = Traseiro Esquerdo/ Dianteiro Direito

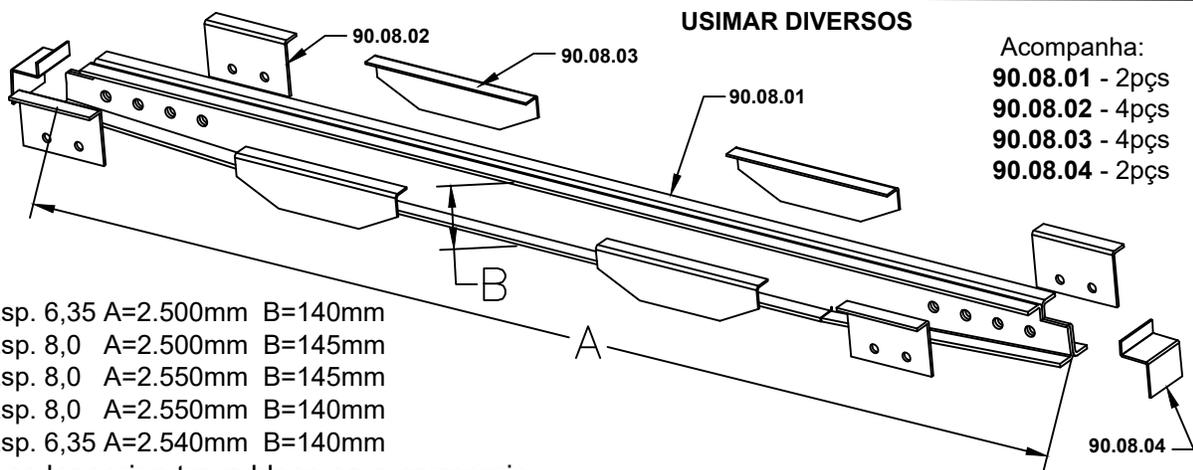


Suporte deslizante da mola traçado (com chapa)

**83.99** = Traseiro Direito/ Dianteiro Esquerdo

**84.00** = Traseiro Esquerdo/ Dianteiro Direito

**USIMAR DIVERSOS**



Acompanha:

**90.08.01** - 2pçs

**90.08.02** - 4pçs

**90.08.03** - 4pçs

**90.08.04** - 2pçs

**90.07** - Esp. 6,35 A=2.500mm B=140mm

**90.08** - Esp. 8,0 A=2.500mm B=145mm

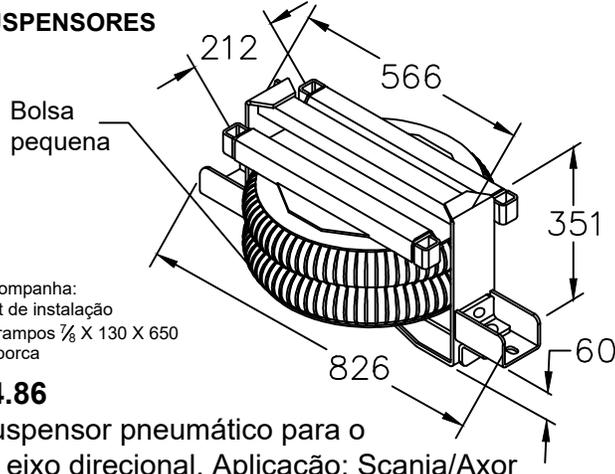
**90.17** - Esp. 8,0 A=2.550mm B=145mm

**91.37** - Esp. 8,0 A=2.550mm B=140mm

**92.13** - Esp. 6,35 A=2.540mm B=140mm

Kit travessa longarina trava bloco para carroceria

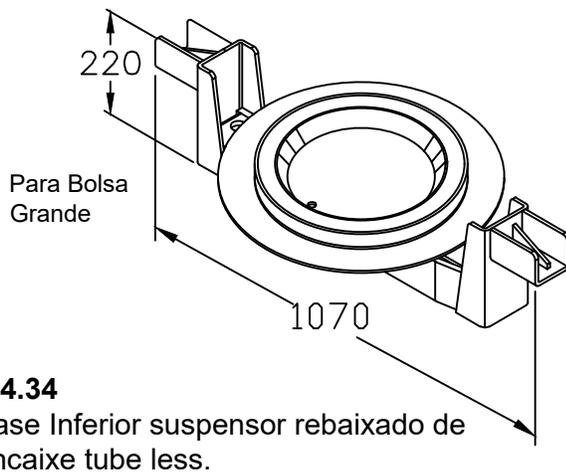
**SUSPENSORES**



Acompanha:  
-Kit de instalação  
-Grampos 7/8 X 130 X 650  
c/ porca

**94.86**

Suspensor pneumático para o 4º eixo direcional. Aplicação: Scania/Axor



**94.34**

Base Inferior suspensor rebaixado de encaixe tube less.



Componentes Automotivos

**RUA PADRE FEIJÓ 960A - SÃO MARCOS - RS - BRASIL**  
**(54) 3291- 4584**  
**[USIMAR@USIMARAUTOMOTIVOS.COM.BR](mailto:USIMAR@USIMARAUTOMOTIVOS.COM.BR)**