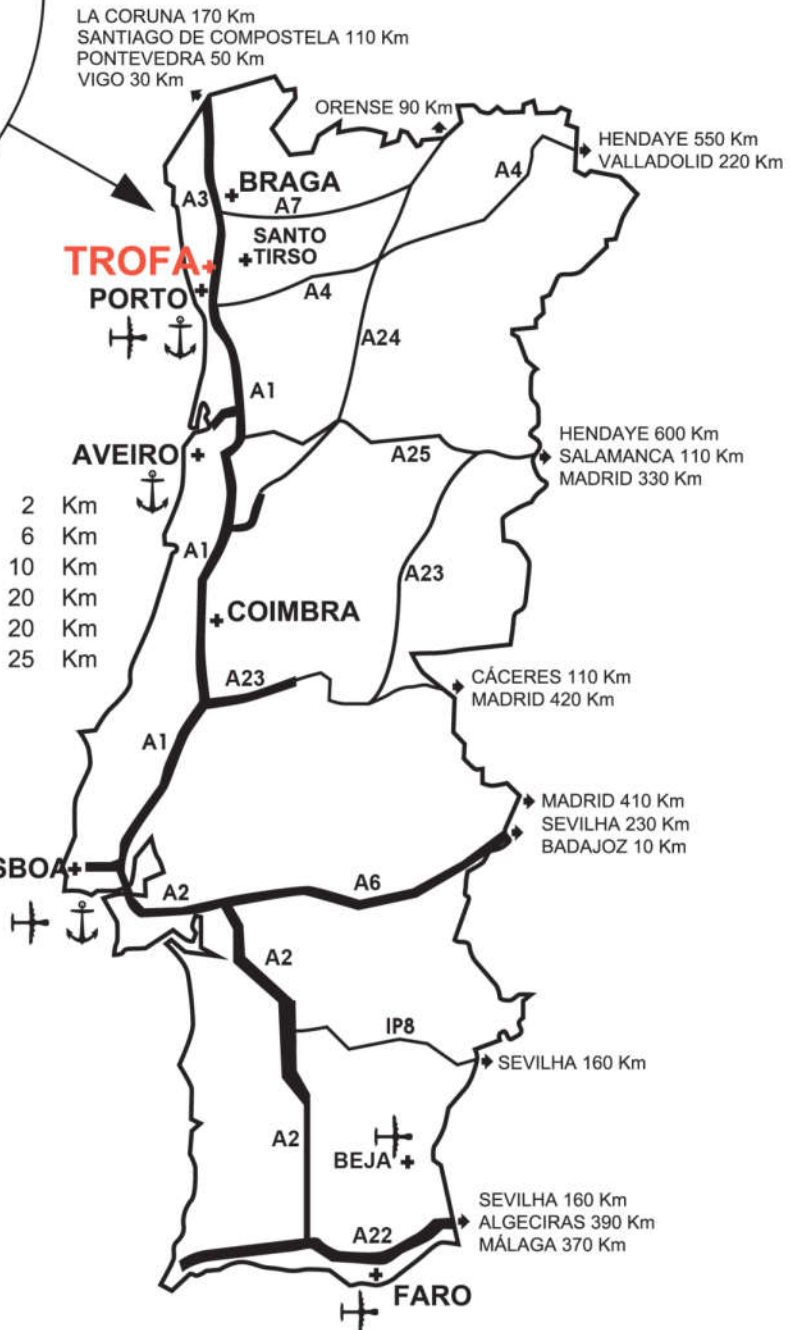


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DESCRIÇÃO
DESCRIPTION
DESCRIPTION

SÉRIE INDUSTRIAL LIGEIRA INDUSTRIAL SERIES - LIGHT LOAD SÉRIE INDUSTRIELLE LÉGÈRE



PAG.18



PAG.21



PAG.23



PAG.24



PAG.76

SÉRIE INDUSTRIAL MÉDIA INDUSTRIAL SERIES - MEDIUM LOAD SÉRIE INDUSTRIELLE MOYENNE



PAG.30



PAG.33



PAG.37



PAG.42



PAG.47



PAG.50



PAG.54



PAG.66



PAG.73



PAG.74



PAG.76

SÉRIE INDUSTRIAL PESADA INDUSTRIAL SERIES - HEAVY LOAD SÉRIE INDUSTRIELLE LOURDE



PAG.31



PAG.34



PAG.37



PAG.44



PAG.51



PAG.55



PAG.57



PAG.68



PAG.38



PAG.60



PAG.69



PAG.75



PAG.35



PAG.61



PAG.69



PAG.39



PAG.40



PAG.62



PAG.63

DESCRIÇÃO
DESCRIPTION
DESCRIPTION

SÉRIE APLICAÇÃO GERAL *GENERAL USE SERIES* APPLICATION GÉNÉRALE



PAG.85



PAG.86



PAG.100



PAG.101



PAG.77



PAG.79,80



PAG.84



PAG.91



PAG.82



PAG.83



PAG.93



PAG.92



PAG.92



PAG.94



PAG.95



PAG.83



PAG.92



PAG.95



PAG.96



PAG.96



PAG.96

SÉRIE HOSPITALAR *HOSPITAL SERIES* SÉRIE HOSPITALIÈRE



PAG.102



PAG.102



PAG.102



PAG.102



PAG.86



PAG.101

SÉRIE ANTI-ESTÁTICA *ANTISTATIC SERIES* SÉRIE ANTISTATIQUE



PAG.103



PAG.104

SÉRIE CESTOS E CARROS SUPERMERCADOS *SHOPPING CARTS AND BASKETS SERIES*
SÉRIE POUR PANIER À PROVISIONS ET CHARIOTS DE SUPERMARCHÉS



PAG.105



PAG.105



PAG.105



PAG.106



PAG.106



PAG.106



PAG.106

SÉRIE ALTAS TEMPERATURAS *HIGH TEMPERATURES SERIES* SÉRIE HAUTES TEMPÉRATURES



PAG.107



PAG.110

DESCRIÇÃO
DESCRIPTION
DESCRIPTION

SÉRIE CONTENTORES DO LIXO *DUST-BIN CONTAINERS SERIES* SÉRIE DE CONTENEURS POUBELLE



PAG.111 PAG.111 PAG.112 PAG.112

SÉRIE ANDAIMES *SCAFFOLDING SERIES* SÉRIE ECHAFAUDAGE



PAG.113 PAG.113 PAG.113 PAG.113 PAG.114 PAG.114

SÉRIE PORTA-PALETES *TRANSPALLETS SERIES* SÉRIE TRANSPALETES



PAG.115 PAG.115 PAG.116 PAG.116 PAG.117 PAG.117 PAG.117

SÉRIE ROLETES GUIA *GUIDE ROLLERS SERIES* GALLET DE GUIDAGE



PAG.118 PAG.118 PAG.118

SÉRIE TRANSFORMADORES ELÉTRICOS *POWER TRANSFORMS SERIES* SÉRIE TRANSFORMATEURS ÉLECTRIQUES



PAG.119 PAG.119 PAG.119 PAG.119

SÉRIE RODAS PNEUMÁTICAS *PNEUMATIC WHEELS SERIES* SÉRIE ROUES PNEUMATIQUES



PAG.120 PAG.120 PAG.121 PAG.122

SÉRIE RODAS ANTI-FURO *PUNCTURE PROOF WHEELS SERIES* SÉRIE ROUES INCREVABLES





























PAG.123 PAG.123 PAG.123 PAG.124

ÍNDICE GERAL / GENERAL INDEX / SOMMAIRE GENERAL

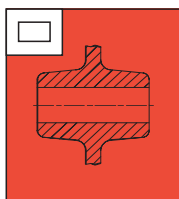
DESCRIÇÃO <i>DESCRIPTION</i> DESCRIPTION		PÁGINAS <i>PAGE</i> PAGE
SÍMBOLOS <i>SYMBOLS</i> SYMBOLES		07
INFORMAÇÃO TÉCNICA <i>TECHNICAL INFORMATION</i> INFORMATION TECHNIQUE	GERAL <i>GENERAL</i> GENERAL	09-11
	SUORTES <i>HOUSINGS</i> MONTURE	13-15
RODAS EM BORRACHA <i>RUBBER WHEELS</i> ROUES EN CAOUTCHOUC	STANDARD <i>STANDARD</i> STANDARD	16-17-20-22-36-102-112-122-124-127
	ELÁSTICA <i>ELASTIC</i> ELASTIQUE	28-33-36-115
	INJECTADA <i>INJECTED</i> INJECTÉ	22-78-105
RODAS EM POLIURETANO <i>POLYURETHANE WHEELS</i> ROUES EN POLYURÉTHANE	INJECTADO <i>INJECTED</i> INJECTÉ	41-47-49-77-103
	VAZADO <i>TREAD</i> COULÉ	54-57-58-59-116-117-118
RODAS EM POLIAMIDA <i>POLYAMIDE WHEELS</i> ROUES EN POLYAMIDE		64-65-89-115-117-118
RODAS EM POLIPROPILENO <i>WHEELS IN POLYPROPYLENE</i> ROUES EN POLYPROPYLENE		72-89
RODAS EM FERRO FUNDIDO <i>CAST IRON WHEELS</i> ROUES EN FONTE		74
RODAS EM RESINA FENÓLICA <i>PHENOLIC RESIN WHEELS</i> ROUES EN RÉSINE PHÉNOLIQUE		107-109
RODAS PNEUMÁTICAS E ANTI-FURO <i>PNEUMATIC WHEELS AND PUNCTURE PROOF WHEELS</i> ROUES PNEUMATIQUES ET ROUES INCREVABLES		102-120-121-122-123-124-125
COMPONENTES PARA ATRELADOS <i>TRAILERS COMPONENTS</i> COMPOSANTS POUR REMORQUES		128 à 154
ROLOS TRANSPORTADORES <i>CONVEYOR ROLLERS</i> ROULEAUX TRANSPORTEURS		155 à 168
ROLAMENTOS <i>BEARINGS</i> ROULEMENTS		169 à 171

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SÍMBOLOS / SYMBOLS / SYMBOLES

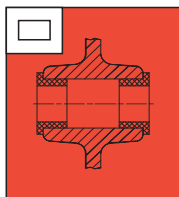
	Referência da roda <i>Wheel reference</i> Référence de la roue		Pressão recomendada <i>Recommended pressure</i> Pression recommandée		Capacidade de carga <i>Load capacity</i> Capacité de charge
	Diâmetro da roda <i>Wheel diameter</i> Diamètre de la roue		Velocidade máxima <i>Maximum speed</i> Vitesse maximum		Cubo <i>Hub</i> Moyeux
	Largura da roda <i>Wheel width</i> Largeur de la roue		Jante utilizada <i>Wheel-rim to use</i> Jante utilisée		Diâmetro de encaixe na jante <i>Diameter of mounting on</i> Diamètre d'encastement dans la jante
	Largura do canhão <i>Hub width</i> Largeur du moyeu		Capacidade de carga <i>Load capacity</i> Capacité de charge		Diâmetro da fixação <i>Fixing diameter</i> Diamètre de fixation
	Comprimento do eixo <i>Axle length</i> Longueur de l'essieu		Rodízio giratório <i>Swivel castor</i> Roulette pivotante		Diâmetro do perno de fixação <i>Fixing bolt diameter</i> Diamètre du goujon de fixation
	Diâmetro do furo <i>Hub bore</i> Diamètre de l'essieu		Rodízio giratório com travão anterior <i>Swivel castor with front lock</i> Roulette pivotante à blocage avant		Ponta de eixo aplicar <i>Axle stub to use</i> Axe en fusée à utiliser
	Diâmetro do eixo <i>Axle diameter</i> Diamètre de l'essieu		Rodízio giratório com travão posterior <i>Swivel castor with back lock</i> Roulette pivotante à blocage arrière		Cubo com ponta de eixo <i>Hub with axle</i> Moyeux avec axe en fusée
	Cubo descentrado <i>Offset hub</i> Moyeu en déport		Rodízio fixo <i>Fixed castor</i> Roulette fixe		Área de travagem <i>Brake size</i> Surface de freinage
	Tipo de rolamento <i>Type of bearing</i> Type de roulement		Altura Total <i>Overall height</i> Hauteur totale		Eixo <i>Axle</i> Essieu
	Furo sem rolamento <i>Plain bearing</i> Moyeu lisse		Altura Total <i>Overall height</i> Hauteur totale		Capacidade de carga <i>Load capacity</i> Capacité de charge
	Rolamento de rolos cilíndricos <i>Cylindrical roller bearing</i> Roulement à rouleaux cylindriques		Offset <i>Offset</i> Déport		Carga máxima a rebocar <i>Max. trailer load</i> Charge de traction totale
	Rolamento de rolos cilíndricos Inox <i>Stainless steel Cylindrical roller bearing</i> Roulement à rouleaux cylindriques en Inox		Diâmetro do furo central <i>Bolt hole diameter</i> Diamètre de l'oeil		Carga máx. sobre a esfera <i>Max. nose weight</i> Max. charge verticale
	Rolamento de precisão (esferas) <i>Precision balls bearings</i> Roulement à billes de précision		Dimensões da espiga roscada <i>Dimensions of fixing threaded stem</i> Dimensions de la tige fileté		Capacidade de carga <i>Load capacity</i> Capacité de charge
	Rolamento de rolos cônicos <i>Taper roller bearings</i> Roulement à galets coniques		Dimensões de espiga lisa <i>Dimensions of the solid stem</i> Dimensions de la tige		
	Rolamento semi-precisão (esferas) <i>Semi-precision balls bearing</i> Roulement à billes semi-précision		Dimensões da base <i>Plate sizes</i> Dimensions de la platine		
	Rolamento duas pistas esferas de contacto angular <i>Double row thrust ball bearing</i> Roulement à deux rangées de billes à contact angulaire		Dimensões da furação <i>Fitting sizes</i> Entr'axe des trous de fixation		
	Pneumático com perfil de relevo <i>Tyre with cross tread pattern</i> Pneumatique avec profil en relief		Dimensões da base <i>Plate sizes</i> Dimensions de la platine		
	Pneumático de perfil liso <i>Tyre with plain tread</i> Pneumatique à profil lisse		Dimensões da furação <i>Fitting sizes</i> Entr'axe des trous de fixation		
	Número de telas <i>PR number</i> Numéro de Plys		Capacidade de carga <i>Load capacity</i> Capacité de charge		

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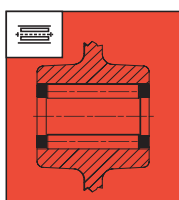
CUBO LISO (SEM ROLAMENTO)
PLAIN BEARING (WITHOUT BEARING)
MOYEU LISSE (SANS ROULEMENT)

APTO PARA MOVIMENTOS NÃO CONTÍNUOS,
CARGAS MÉDIAS
*SUITABLE FOR NON-CONTINUOUS MOVEMENTS,
MEDIUM LOADS*
ADAPTÉ AUX MOUVEMENTS NON CONTINUS,
CHARGES MOYENNES



CUBO LISO (CASQUILHOS EM POLIAMIDA)
PLAIN BEARING (POLYAMIDE BUSHINGS)
MOYEU LISSE (MANCHONS EN POLYAMIDE)

APTO PARA MOVIMENTOS NÃO CONTÍNUOS,
CARGAS MÉDIAS
*SUITABLE FOR NON-CONTINUOUS
MOVEMENTS, MEDIUM LOADS*
ADAPTÉ AUX MOUVEMENTS NON CONTINUS,
CHARGES MOYENNES

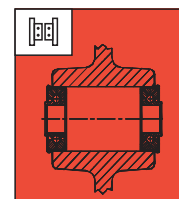


ROLAMENTO DE ROLOS
ROLLER BEARING
ROULEMENT À ROULEAUX

APTO PARA MOVIMENTOS NÃO CONTÍNUOS
E MANUAIS
*SUITABLE FOR NON-CONTINUOUS AND
MANUAL MOVEMENTS, MEDIUM LOADS*
ADAPTÉ AUX MOUVEMENTS NON CONTINUS
ET MANUELS, CHARGES MOYENNES

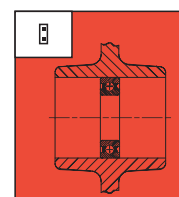
ROLAMENTO SEMI-PRECISÃO (ESFERAS)
SEMI-PRECISION BALL BEARING
ROULEMENT À BILLES SEMI-PRÉCISION

APTOS PARA MOVIMENTOS NÃO CONTÍNUOS
E MANUAIS, CARGAS PEQUENAS
*SUITABLE FOR NON-CONTINUOUS AND
MANUAL MOVEMENTS, SMALL LOADS*
ADAPTÉ AUS MOUVEMENTS NON-CONTINUS
ET MANUELS, PETITES CHARGES



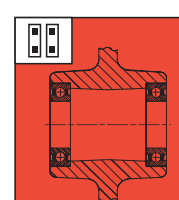
ROLAMENTO DE PRECISÃO (ESFERAS)
PRECISION BALL BEARING
ROULEMENT À BILLES DE PRÉCISION

APTO PARA MOVIMENTOS CONTÍNUOS,
CARGAS LIGEIRAS
*SUITABLE FOR CONTINUOUS MOVEMENTS,
LIGHT LOADS*
ADAPTÉ AUX MOUVEMENTS CONTINUS,
CHARGES LÉGÈRES



ROLAMENTO DE PRECISÃO (ESFERAS)
PRECISION BALL BEARING
ROULEMENT À BILLES DE PRÉCISION

APTO PARA MOVIMENTOS CONTÍNUOS
E MECÂNICOS, CARGAS ELEVADAS
*SUITABLE FOR CONTINUOUS MOVEMENTS
AND MECHANICS, HEAVY LOADS*
ADAPTÉ AUX MOUVEMENTS CONTINUS
ET MÉCANIQUES, CHARGES ÉLEVÉES



SISTEMA DE QUALIDADE / QUALITY SYSTEM / SYSTÈME DE QUALITÉ

Os produtos apresentados neste catálogo são fabricados segundo um sistema que segue a Norma **NP EN ISO 9001: 2015**
*The products range shown in this catalogue is produced according to a system that follows the Standard **NP EN ISO 9001: 2015***
Les produits présentés dans ce catalogue sont fabriqués selon un système qui suit la Norme **NP EN ISO 9001: 2015**

A capacidade de carga dinâmica das rodas e rodízios (para uso industrial) apresentadas neste catálogo está de acordo com a Norma **EN 12532**, a que corresponde o seguinte ensaio:

- velocidade máxima de 4 Km/h (1,1 m/s)
- superfície de rolamento dura e horizontal com obstáculos que não excedam:
- 5% do diâmetro, para rodas com dureza Shore A ≤ 90
- 2,5% do diâmetro, para rodas com dureza Shore A > 90
- temperatura ambiente +15 °C a +28 °C
- utilização descontínua

A capacidade de carga dinâmica das Rodas e Rodízios para uso institucional (uso não industrial), apresentadas neste catálogo está determinada de acordo com a **EN 12530**

*The dynamic load capacity of the wheels and castors (industrial application) shown in this catalogue is according to **EN 12532** standard, which corresponds to the following test:*

- maximum speed 4 Km/h (1,1 m/s)
- hard even floor, with obstacles not exceeding:
- 5% of diameter, for wheels with tread hardness Shore A ≤ 90
- 2,5% of diameter, for wheels with tread hardness Shore A > 90
- ambient temperature between +15 °C and + 28 °C
- non-continuous movement

*The dynamic load capacity of the Wheels and Castors for institucional use (non industrial) shown in this catalogue was determined according to **EN 12530** standard*

La capacité de charge dynamique des roues et roulettes (pour application industrielle) présentée dans ce catalogue est en accord avec la Norme **EN 12532**, à laquelle correspond l'essai suivant:

- vitesse maximum de 4 Km/h (1,1 m/s), avec interruptions de fonctionnement
- surface de roulement dure et horizontale, avec des obstacles qui n'excèdent pa:
- 5% du diamètre, de roue à bande de roulement avec dureté Shore A ≤ 90
- 2,5% du diamètre, de roues à bande de roulement avec duruté Shore A > 90
- température ambiante de + 15 °C a + 28 °C
- utilisation discontinue

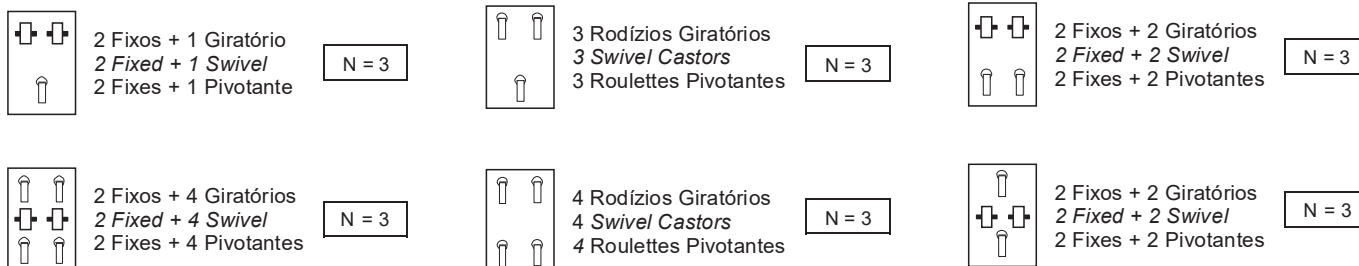
La capacité de charge dynamique des Roues et Roulettes (pour application non industrielle) présentée dans ce catalogue est en accord avec la Norme **EN 12530**

**CAPACIDADE DE CARGA EM FUNÇÃO DA MONTAGEM DOS RODÍZIOS E RODAS NA ESTRUTURA
LOAD CAPACITY ACCORDING TO THE POSITIONING OF CASTORS AND WHEELS ON A TROLLEY
CAPACITÉ DE CHARGE EN FONCTION DES ROUES ET ROULETTES SUR UN CHARIOT**

ESTA FÓRMULA TEM EM CONSIDERAÇÃO A IRREGULARIDADE DOS PISOS E CARGAS
THIS FORMULA TAKES INTO ACCOUNT THAT THE SURFACE MAY BE NON-UNIFORM AND THE LOAD MAY BE NON-UNIFORMLY DISTRIBUTED
CETTE FORMULE CONSIDÈRE QUE LE SOL PEUT ÊTRE IRRÉGULIER ET QUE LA CHARGE PEUT ÊTRE MAL DISTRIBUÉE

$$CC = (CU + PE) / N$$

CC : Capacidade de Carga / Load Capacity / Capacité de Charge
CU : Carga Útil / Useful Load / Charge Utile
PE : Peso da Estrutura / Weight of the Trolley / Poids du Chariot
N : Nr. Rodas no Piso / Nr. Wheels in the Ground / Nr. Roues au Sol



As capacidades de carga para as rodas e rodízios são para carros com altura inferior ao dobro da largura.

The loads indicated for wheels and castors can not be used in any trolley when the height exceeds twice the width.

Les charges indiquées pour les roues et roulettes sont pour des roues de chariot dont la hauteur est inférieure à deux fois celle de la largeur.

**TEMPERATURA DE TRABALHO DAS RODAS
WORK WHEELS TEMPERATURES
TEMPÉRATURES DE TRAVAIL DE ROUES**

BORRACHA RUBBER CAOUTCHOUC			POLIURETANO POLYURETHANE POLYURÉTHANE			POLIAMIDA POLYAMIDE POLYAMIDE
RÍGIDA STANDARD STANDARD	ELÁSTICA ELASTIC ÉLASTIQUE	INJECTADO INJECTED INJECTÉ	INJECTADO INJECTED INJECTÉ	*VAZADO *TREAD *COULÉ	ELÁSTICO ELASTIC ÉLASTIQUE	
-20° C, +60° C	-20° C, +70° C	-20° C, +60° C	-15° C, +80° C	-25° C, +80° C *	-20° C, +70° C	-30° C, +80° C
POLIPROPILENO POLYPROPYLENE POLYPROPYLÈNE			FERRO FUNDIDO CAST IRON FONTE			RESINA FENÓLICA PHENOLIC RESIN RÉSINE PHÉNOLIQUE
-20° C, +60° C			-40° C, +400° C			-20° C, +300° C

(*) : Desaconselhado para ambientes com muita humidade, vapor saturado e água quente

(*) : Not suitable for humid, vapor saturated environments or contact with hot water

(*) : Déconseillé pour des milieux à forte humidité, vapeur saturée ou eau chaude

As capacidades de carga dinâmica das Rodas e Rodízios (para uso industrial) apresentadas no catálogo são consideradas nas condições de temperatura entre +15°C a +28°C, velocidade até 4Km/H (norma EN 12532). Para outras condições de utilização, as capacidades de carga são mais baixas.

Consulte-nos para mais informações

The indicated dynamic load capacities of wheels and castors for industrial use referred in this catalogue are for temperatures between 15°C and 28°C and speeds not exceeding 4Km/h (EN 12532 standard). For other temperature ranges and speeds loads vary.

For additional informations, please contact us

Les capacités de charge des roues et roulettes (pour usage industriel) présentées sur ce catalogue sont considérées en termes de températures entre 15°C à 28°C pour une vitesse jusqu'à 4Km/h (norme EN 12532). Pour toutes autres conditions d'utilisation, les capacités de charge sont moins élevées.

Consultez-nous pour autres informations

CONSULTE-NOS PARA INFORMAÇÃO SOBRE A RESISTÊNCIA DAS RODAS AOS AGENTES QUÍMICOS
FOR ADITONAL INFORMATION REGARDING CHEMICAL RESISTENCE OF OUR WHEELS, PLEASE CONTACT US
NOUS CONSULTER POUR TOUTE AUTRE INFORMATION SUR LA RÉSISTANCE DES ROUES AUX AGENTS CHIMIQUES

MAIORES INIMIGOS DOS RODIZIOS
CASTOR'S BIGGEST ENEMIES
LES PLUS GRANDS ENNEMIS DES ROULETTES

- | | | |
|---|--|---|
| - Superfície não aconselhada | - Surface not advised | - Sol non recommandé |
| - Sobrecarga | - Overloading | - Surcharge |
| - Utilização inadequada ou especificações erradas | - Unsuitable utilization or wrong specifications | - Utilisation inadéquat ou mauvaises spécifications |
| - Falta de Lubrificação | - Lack of lubrication | - Manque de lubrification |
| - Má montagem | - Incorrect mounting | - Mauvais montage |
| - Ácidos e solventes | - Acids and solvents | - Acides et Bases |

- Estes dados não implicam qualquer responsabilidade para esta firma, pois em caso de dúvida poderemos fornecer amostras para ensaio.
- Alterações motivadas por dimensões ou melhorias técnicas poderão ser introduzidas sem aviso prévio.

*- All data supplied in this catalogue are for guidance only. In case of doubt, samples are available by request.
- Due to continous product improvement, we reserve for us the righth to change the dimensional and technical details without any information.*

- Nous déclinons toute responsabilité sur ces données et nous pourrons vous fournir en cas de doute, des échantillons pour des essaies.
- Nous nous réservons le droit de modifier les dimensions et données techniques sans préavis après des progrès techniques.

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SUPORTES / HOUSINGS / MONTURES

SÉRIE 120,116,200

SUPORTE PARA CARGAS ATÉ 300 KG

- Suporte em chapa de aço estampado;
- Órgãos de rotação: duas pistas de esferas em aço;
- Acabamento superficial: Zincado
- 120/T; 200/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 300 KG

- *Pressed steel plate housing;*
- *Swivel action: sealed double steel ball row;*
- *Superficial finishing: Zinc plated*
- 120/T; 200/T – Brake: total lock support (swivel + wheel)

MONTURE POUR DES CHARGES JUSQU'À 300 KG

- Monture en tôle d'acier estampé;
- Partie pivotante: double rangée de billes en acier, protegée;
- Finition superficielle: Zinguée
- 120/T; 200/T – Monture avec frein blocage total (roue + pivot)

SÉRIE 118 INOX

SUPORTE PARA CARGAS ATÉ 300 KG

- Suporte em chapa aço Inox AISI 304, estampado;
- Órgãos de rotação: duas pistas de esferas em aço Inox;
- 118/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 300 KG

- *Pressed stainless steel (AISI 304) housing;*
- *Swivel action: sealed double steel ball row*
- 118/T – Brake: total lock support (swivel + wheel)

MONTURE POUR DES CHARGES JUSQU'À 300 KG

- Platine, chape et anneau de tennue de billes en tôle INOX AISI 304 emboutie;
- Partie pivotante: double rangée de billes en INOX et protegée;
- 118/T – Monture avec frein à blocage total (roue + pivot)

SÉRIE 132, 200REF

SUPORTE PARA CARGAS ATÉ 750 KG

- Suporte reforçado em chapa de aço estampado;
- Órgãos de rotação: duas pistas de esferas em aço;
- Acabamento superficial: Zincado
- 132/T; 200/T REF. – Suporte com travão total

HOUSINGS FOR LOADS UP TO 750 KG

- *Pressed steel plate reinforced housing;*
- *Swivel action: sealed double steel ball row;*
- *Superficial finishing: Zinc plated*
- 132/T; 200/T REF. – Brake: total lock support (swivel + wheel)

MONTURE POUR DES CHARGES JUSQU'À 750 KG

- Monture renforcée en tôle d'acier estampé;
- Partie pivotante : double rangée de billes en acier, protegée;
- Finition superficielle: Zinguée
- 132/T; 200/T REF. – Monture avec frein à blocage total (roue + pivot)

SÉRIE 138

SUPORTE PARA CARGAS ATÉ 750 KG

- Suporte reforçado em chapa de aço estampado;
- Órgãos de rotação: duas pistas de esferas em aço;
- Acabamento superficial: Zincado
- 138/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 750 KG

- *Pressed steel plate reinforced housing;*
- *Swivel action: sealed double steel ball row;*
- *Superficial finishing: Zinc plated*
- 138/T – Brake: total lock support (swivel + wheel)

MONTURE POUR DES CHARGES JUSQU'À 750 KG

- Monture renforcée en tôle d'acier estampé;
- Partie pivotante : double rangée de billes en acier, protegée;
- Finition superficielle: Zinguée
- 138/T – Monture avec frein à blocage total (roue + pivot)

SUPORTES / HOUSINGS / MONTURES

SÉRIE 128

SUPORTE PARA CARGAS ATÉ 750 KG

- Suporte em construção soldada;
- Órgãos de rotação: uma pista de esferas em aço, um rolamento contato angular;
- Acabamento superficial: Zincado

HOUSINGS FOR LOADS UP TO 750 KG

- *Welded steel housing;*
- *Swivel action: one steel ball row, one angular contact ball bearing;*
- *Superficial finishing: Zinc Plated*

MONTURE POUR DES CHARGES JUSQU'À 750 KG

- Monture de fabrication soudée;
- Partie pivotante: une rangée de billes en acier, un roulement à contact oblique
- Finition superficielle: Zinguée

SÉRIE 150

SUPORTE PARA CARGAS ATÉ 1000 KG

- Suporte em construção soldada;
- Órgãos de rotação: um rolamento axial, um rolamento rolos cônicos;
- Acabamento superficial: Zincado
- 150/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 1000 KG

- *Welded steel housing;*
- *Swivel action: one thrust ball bearing, one single row tapered roller bearing;*
- *Superficial finishing: Zinc plated*
- *150/T – Brake: total lock support (swivel + wheel)*

MONTURE POUR DES CHARGES JUSQU'À 1000 KG

- Monture de fabrication soudée;
- Partie pivotante: un roulement axial, un roulement à gallets coniques
- Finition superficielle: Zinguée
- 150/T – Monture avec frein à blocage total (roue + pivot)

SÉRIE 154

SUPORTE PARA CARGAS ATÉ 7000 KG

- Suporte em construção soldada;
- Órgãos de rotação: um rolamento axial, um rolamento rolos cônicos;
- Acabamento superficial: Pintado
- 154/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 7000 KG

- *Welded steel housing;*
- *Swivel action: one thrust ball bearing, one single row tapered roller bearing;*
- *Superficial finishing: Painted*
- *154/T – Brake: total lock support (swivel + wheel)*

MONTURE POUR DES CHARGES JUSQU'À 7000 KG

- Monture de fabrication soudée;
- Partie pivotante: un roulement axial, un roulement à gallets coniques
- Finition superficielle: Peinte
- 154/T – Monture avec frein à blocage total (roue + pivot)

SUPORTES / HOUSINGS / MONTURES

SÉRIE 300, 302

SUPORTE PARA CARGAS ATÉ 100 KG

- Suporte em chapa de aço estampado;
- Órgãos de rotação: duas pistas de esferas em aço;
- Acabamento superficial: Zincado
- 300/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 100 KG

- *Pressed steel plate housing;*
- *Swivel action: sealed double steel ball row;*
- *Superficial finishing: Zinc plated*
- 300/T – *Brake: total lock support (swivel + wheel)*

MONTURE POUR DES CHARGES JUSQU'À 100 KG

- Monture en tôle d'acier estampé;
- Partie pivotante : double rangée de billes en acier, protegée;
- Finition superficielle: Zinguées
- 300/T – Monture avec frein à blocage total (roue + pivot)

SÉRIE 304, 44

SUPORTE PARA CARGAS ATÉ 100 KG

- Suporte em poliamida;
- Órgãos de rotação: rolamento de esferas;
- 304/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 100 KG

- *Polyamide housing;*
- *Swivel action: one ball bearing;*
- 304/T – *Brake: total lock support (swivel + wheel)*

MONTURE POUR DES CHARGES JUSQU'À 100 KG

- Monture en polyamide
- Partie pivotante: roulement à billes;
- 304/T – Monture avec frein à blocage total (roue + pivot)

SÉRIE 30L, 30, 88

SUPORTE PARA CARGAS ATÉ 60 KG

- Suporte em chapa de aço estampado;
- Órgãos de rotação: duas pistas de esferas em aço;
- Acabamento superficial: Zincado
- 30/T – Suporte com travão total Ø50-Ø80
- Suporte com travão de bloqueio à roda Ø100
- 88/T – Suporte com travão total

HOUSINGS FOR LOADS UP TO 60 KG

- *Pressed steel plate housing;*
- *Swivel action: sealed double steel ball row;*
- *Superficial finishing: Zinc plated*
- 30/T – *Brake: total lock support Ø50-Ø80 (swivel + wheel)*
- Brake: wheel brake only Ø100*
- 88/T – *Brake: total lock support (swivel + wheel)*

MONTURE POUR DES CHARGES JUSQU'À 60 KG

- Monture en tôle d'acier estampé;
- Partie pivotante : double rangée de billes en acier, protegée;
- Finition superficielle: Zinguées
- 30/T – Monture avec frein à blocage total (roue + pivot) Ø50-Ø80
- Monture avec frein à blocage de la roue Ø100
- 88/T – Monture avec frein à blocage total (roue + pivot)











2/BS

RODAS EM BORRACHA VULCANIZADA PRETA, NÚCLEO EM POLIAMIDA COM CUBO LISO

VULCANIZED BLACK RUBBER WHEELS, POLYAMIDE CENTRE WITH PLAIN BEARING

ROUES EN CAOUTCHOUC NOIR VULCANISÉ, CORPS EN POLYAMIDE AVEC MOYEU LISSE














								
Código/Code	Ref.	mm	mm	mm	mm			Kg
10 19 21	2/BS-58	58	30	33	6			55
10 19 24	2/BS-65	65	30	33	6			55
10 19 33	2/BS-80	80	35	37	12			70

DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A

RODÍZIOS / CASTORS / ROULETTES - 100,105

100 F4













										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm		Kg
25 10 01	100/BS-58	58	30		76	23	79x60	60x40xØ6		55
25 10 02	100/BS-65	65	30		79	28	95x70	75x45xØ8		55

Suporte com uma pista de esferas; Housing with one steel ball row; Monture avec une rangée de billes

105




















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 11 01	105/BS-58	58	30		76	95x54	71x24xØ6		55
25 11 02	105/BS-65	65	30		79	95x54	71x24xØ6		55

RODAS EM BORRACHA PRETA, NÚCLEO EM POLIPROPILENO COM CUBO LISO

BLACK RUBBER WHEELS, CENTRE IN POLYPROPYLENE WITH PLAIN BEARING

ROUES EN CAOUTCHOUC NOIR, CORPS EN POLYPROPYLENE AVEC MOYEU LISSE

Código/Code	Ref.						
		mm	mm	mm	mm	Kg.	
10 17 33	1/BS-80	80	25	37	12		60
10 17 36	1/BS-100	100	30	37	12		80
10 17 38	1/BS-125/46.15	125	37	46	15		100
*10 17 54	1/BS-160.16	160	40	57	16		130
10 17 55	1/BS-160.20	160	40	57	20		130
10 17 59	1/BS-180.20	180	45	57	20		180
*10 17 60	1/BS-200.16	200	50	57	16		200
10 17 61	1/BS-200.20	200	50	57	20		200
10 17 64	1/BS-225	225	50	57	20		200
10 17 66	1/BS-250	250	58	68	20		220
10 17 73	1/BS-300	300	58	68	20		220















* CUBO COM CASQUILHOS EM POLIAMIDA / HUB WITH POLYAMIDE SLEEVES / MOYEU AVEC DOUILLES EN POLYAMIDE
DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A



RODAS EM BORRACHA PRETA, NÚCLEO EM POLIPROPILENO COM ROLAMENTO DE ROLOS

BLACK RUBBER WHEELS, CENTRE IN POLYPROPYLENE WITH ROLLER BEARING

ROUES EN CAOUTCHOUC NOIR, CORPS EN POLYPROPYLENE AVEC ROULEMENT À ROULEAUX

Código/Code	Ref.						
		mm	mm	mm	mm	Kg.	
10 20 33	1/BA-80	80	25	37	12		60
10 20 36	1/BA-100	100	30	37	12		80
10 20 42	1/BA-125	125	38	48	15		100
10 20 48	1/BA-140	140	38	48	15		110
10 20 54	1/BA-160	160	40	57	20		130
10 20 58	1/BA-180	180	45	57	20		180
10 20 60	1/BA-200	200	50	57	20		200
10 20 63	1/BA-225	225	50	57	20		200

DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A



120 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 12 05	120/BS-80	80	25		107	31	100x80	80x60xØ9	60	
25 12 06	120/BS-100	100	30		127	37	100x80	80x60xØ9	80	
25 12 29	P-120/BS-125	125	38		154	45	100x80	80x60xØ9	100	
26 12 09	120/BS/GF-160	160	40		200	45	135x110	105x80xØ11	130	
25 12 09	120/BS-180	180	45		212	58	135x110	105x80xØ11	180	
26 12 12	120/BS/GF-200	200	50		243	50	135x110	105x80xØ11	200	
25 12 11	*120/BA-80	80	25		107	31	100x80	80x60xØ9	60	
25 12 12	*120/BA-100	100	30		127	37	100x80	80x60xØ9	80	
25 12 14	P-120/BA-125	125	38		154	41	100x80	80x60xØ9	100	
25 12 13	120/BA-125	125	38		156	50	135x110	105x80xØ11	100	
25 12 15	120/BA-140	140	38		164	50	135x110	105x80xØ11	110	
25 12 16	120/BA-160	160	40		200	45	135x110	105x80xØ11	130	
25 12 17	120/BA-180	180	45		212	58	135x110	105x80xØ11	180	
25 12 18	120/BA-200	200	50		243	50	135x110	105x80xØ11	200	

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

125



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 13 06	125/BS-80	80	25		107	31	105x85	80x60xØ9	60
25 13 07	125/BS-100	100	30		127	37	105x85	80x60xØ9	80
25 13 29	P-125/BS-125	125	38		154	45	105x85	80x60xØ9	100
25 13 08	125/BS-160	160	40		200	45	140x110	105x80xØ11	130
25 13 09	125/BS-180	180	45		212	58	140x110	105x80xØ11	180
25 13 10	125/BS-200	200	50		243	50	140x110	105x80xØ11	200
25 13 11	*125/BA-80	80	25		107	31	105x85	80x60xØ9	60
25 13 12	*125/BA-100	100	30		127	37	105x85	80x60xØ9	80
25 13 14	P-125/BA-125	125	38		154	41	105x85	80x60xØ9	100
25 13 13	125/BA-125	125	38		156	50	140x110	105x80xØ11	100
25 13 15	125/BA-140	140	38		164	50	140x110	105x80xØ11	110
25 13 16	125/BA-160	160	40		200	45	140x110	105x80xØ11	130
25 13 17	125/BA-180	180	45		212	58	140x110	105x80xØ11	180
25 13 18	125/BA-200	200	50		243	50	140x110	105 x80xØ11	200

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

120/F4

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
26 16 01	120/BST-80		80	25	107	31	100x80	80x60xØ9	60
26 16 02	120/BST-100		100	30	127	37	100x80	80x60xØ9	80
25 12 31	P-120/BST-125		125	38	154	45	100x80	80x60xØ9	100
26 16 10	*120/BAT-80		80	25	107	31	100x80	80x60xØ9	60
26 16 11	*120/BAT-100		100	30	127	37	100x80	80x60xØ9	80
26 16 12	P-120/BST-125		125	38	154	45	100x80	80x60xØ9	100

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



26 12 16	120/BST/GF-160	160	40	200	45	135x110	105x80xØ11	130
25 12 36	120/BST-180	180	45	212	58	135x110	105x80xØ11	180
26 12 15	120/BST/GF-200	200	50	243	50	135x110	105x80xØ11	200
25 12 45	120/BAT-160	160	40	200	45	135x110	105x80xØ11	130
25 12 46	120/BAT-180	180	45	212	58	135x110	105x80xØ11	180
25 12 47	120/BAT-200	200	50	243	50	135x110	105x80xØ11	200

120/F1

Código/Code		Ref.	mm	mm	mm	mm	mm	Kg
25 16 01	120/BS-80 F1		80	25	107	31	12	60
25 16 02	120/BS-100 F1		100	30	127	37	12	80
25 16 03	120/BS-125 F1		125	38	154	41	12	100
25 16 11	*120/BA-80 F1		80	25	107	31	12	60
25 16 12	*120/BA-100 F1		100	30	127	37	12	80
25 16 13	120/BA-125 F1		125	38	154	41	12	100
26 12 26	120/BA-160 F1		160	40	200	45	12	130

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



120/T F1

Código/Code		Ref.	mm	mm	mm	mm	mm	Kg
26 16 05	120/BST-80 F1		80	25	107	31	12	60
26 16 06	120/BST-100 F1		100	30	127	37	12	80
25 12 33	120/BST-125 F1		125	38	154	45	12	100
26 16 15	*120/BAT-80 F1		80	25	107	31	12	60
26 16 16	*120/BAT-100 F1		100	30	127	37	12	80
26 16 17	120/BAT-125 F1		125	38	154	45	12	100

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



BNES

RODAS EM BORRACHA PRETA, JANTE METÁLICA ZINCADA, COM CUBO LISO
 BLACK RUBBER WHEELS, ZINC PLATED METALLIC RIM, WITH PLAIN BEARING
 ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE ZINGUÉE AVEC MOYEU LISSE



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 06 36	BNES-200/1	200	50	57	20		230

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A

BNEA

RODAS EM BORRACHA PRETA, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ROLOS
 BLACK RUBBER WHEELS, ZINC PLATED METALLIC RIM, WITH ROLLER BEARING
 ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE ZINGUÉE AVEC ROULEMENT À ROULEAUX



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 10 42	BNEA-125	125	38	48	15		100
10 10 48	BNEA-140	140	38	48	15		110
10 10 64	BNEA-160/1	160	40	57	20		180
10 10 58	BNEA-180	180	45	57	20		180
10 10 65	BNEA-200/1	200	50	57	20		230

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A


















1/B

RODAS EM BORRACHA PRETA, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ROLOS
 BLACK RUBBER WHEELS, ZINC PLATED METALLIC RIM, WITH ROLLER BEARING
 ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE ZINGUÉE AVEC ROULEMENT À ROULEAUX



















Código/Code	Ref.	mm	mm	mm	mm		Kg
10 09 63	1/B-225	225	55	57	25		250
10 09 65	1/B-250	250	60	67	25		300
10 09 71	1/B-280	280	70	75	30		350

120 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 12 20	P-120/B-125	125	38		154	41	100x80	80x60xØ9	100
25 12 21	120/B-125	125	38		156	50	135x110	105x80xØ11	100
25 12 22	120/B-140	140	38		164	50	135x110	105x80xØ11	110
25 12 23	120/B-160	160	40		200	45	135x110	105x80xØ11	180
25 12 24	120/B-180	180	45		212	58	135x110	105x80xØ11	180
25 12 25	120/B-200	200	50		243	50	135x110	105x80xØ11	230
25 12 27	120/B-250	250	60		295	73	190x170	150x135xØ16	300
25 12 28	120/B-280	280	70		325	82	190x170	150x135xØ16	350















125

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 13 20	P-125/B-125	125	38		154	105x85	80x60xØ9	100
25 13 21	125/B-125	125	38		156	140x110	105x80xØ11	100
25 13 22	125/B-140	140	38		164	140x110	105/80xØ11	110
25 13 23	125/B-160	160	40		200	140x110	105x80xØ11	180
25 13 24	125/B-180	180	45		212	140x110	105x80xØ11	180
25 13 25	125/B-200	200	50		243	140x110	105x80xØ11	230
25 13 27	125/B-250	250	60		295	190x140	150x75xØ16	300
25 13 28	125/B-280	280	70		325	190x140	150x75xØ16	350



120/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 12 42	120/BT-160	160	40		200	45	135x110	105x80xØ11	180
25 12 43	120/BT-180	180	45		212	58	135x110	105x80xØ11	180
25 12 44	120/BT-200	200	50		243	50	135x110	105x80xØ11	230














1/BS

RODAS EM BORRACHA VULCANIZADA CINZA, NÚCLEO EM POLIPROPILENO, COM CUBO LISO
 VULCANIZED GREY RUBBER WHEELS, POLYPROPYLENE CENTRE, WITH PLAIN BEARING

ROUES EN CAOUTCHOUC GRIS VULCANISÉ, CORPS EN POLYPROPYLENE AVEC MOYEU LISSE



							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 76 32	1/BS-80CZ	80	25	37	12		60
10 76 33	1/BS-100CZ	100	30	37	12		80
10 76 34	1/BS-125CZ	125	38	46	15		100
10 76 54	1/BS-160.20CZ	160	40	57	20		130
10 76 61	1/BS-200.20CZ	200	50	57	20		200

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A










BIPS

RODAS EM BORRACHA INJECTADA CINZA, NÚCLEO EM POLIPROPILENO

INJECTED MOULDED GREY RUBBER WHEELS, POLYPROPYLENE CENTRE

ROUES EN CAOUTCHOUC GRIS INJECTÉ, CORPS EN POLYPROPYLENE














							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 25 50	BIPS-80x30	80	30	37	12		100
10 25 51	BIPS-100x30	100	30	37	12		120
10 25 52	BIPS-125x35	125	35	48	15		140

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

BIPA



							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 25 55	BIPA-80	80	30	37	12		100
10 25 56	BIPA-100	100	30	37	12		120
10 25 57	BIPA-125	125	35	48	15		140
10 25 58	BIPA-150x45	150	45	57	20		200
10 25 59	BIPA-200x50	200	50	57	20		250

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

120 F4

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
26 12 01	120/BS-80CZ		80	25	107	31	100x80	80x60xØ9	60
26 12 02	120/BS-100CZ		100	30	127	37	100x80	80x60xØ9	80
26 12 43	P-120/BS-125CZ		125	38	154	41	100x80	80x60xØ9	100
26 12 03	120/BS/GF-200CZ		200	50	243	50	135x110	105x80xØ11	200



125

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
25 13 01	125/BS-80CZ		80	25	107	105x85	80x60xØ9	60	
25 13 02	125/BS-100CZ		100	30	127	105x85	80x60xØ9	80	
25 13 03	P-125/BS-125CZ		125	38	154	105x85	80x60xØ9	100	
25 13 04	125/BS-200CZ		200	50	243	140x110	105x80xØ11	200	



120/T F4

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
26 16 03	120/BST-80CZ		80	25	107	31	100x80	80x60xØ9	60
26 16 04	120/BST-100CZ		100	30	127	37	100x80	80x60xØ9	80
26 12 44	P-120/BST-125CZ		125	38	154	45	100x80	80x60xØ9	100



120 F1

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
25 16 06	120/BS-80CZ		80	25	107	31	12	60	
25 16 07	120/BS-100CZ		100	30	127	37	12	80	
26 12 45	120/BS-125CZ		125	38	154	41	12	100	




















120/T F1

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
26 16 07	120/BST-80CZ		80	25	107	31	12	60	
26 16 08	120/BST-100CZ		100	30	127	37	12	80	
26 12 46	120/BST-125CZ		125	38	154	45	12	100	




















120 F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
26 13 01	120/BIS-80x30	80	30		107	31	100x80	80x60xØ9	100
26 13 06	120/BIS-100x30	100	30		127	37	100x80	80x60xØ9	120
26 13 11	P-120/BIS-125x35	125	35		154	41	100x80	80x60xØ9	140
26 13 22	120/BIA-80	80	30		107	31	100x80	80x60xØ9	100
26 13 27	120/BIA-100	100	30		127	37	100x80	80x60xØ9	120
26 13 32	P-120/BIA-125	125	35		154	41	100x80	80x60xØ9	140
26 13 37	120/BIA-150	150	45		195	45	135x110	105x80xØ11	200
26 13 40	120/BIA-200	200	50		243	50	135x110	105x80xØ11	250
















125














									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
26 13 00	125/BIS-80x30	80	30		107	105x85	80x60xØ9	100	
26 13 05	125/BIS-100x30	100	30		127	105x85	80x60xØ9	120	
26 13 10	P-125/BIS-125x35	125	35		154	105x85	80x60xØ9	140	
26 13 21	125/BIA-80	80	30		107	105x85	80x60xØ9	100	
26 13 26	125/BIA-100	100	30		127	105x85	80x60xØ9	120	
26 13 31	P-125/BIA-125	125	35		154	105x85	80x60xØ9	140	
26 13 36	125/BIA-150	150	45		195	140x110	105x80xØ11	200	
26 13 39	125/BIA-200	200	50		243	140x110	105x80xØ11	250	

120/T F4













									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
26 13 02	120/BIST-80x30	80	30		107	31	100x80	80x60Ø9	100
26 13 07	120/BIST-100x30	100	30		127	37	100x80	80x60Ø9	120
26 13 12	P-120/BIST-125x35	125	35		154	45	100x80	80x60Ø9	140
26 13 23	120/BIAT-80	80	30		107	31	100x80	80x60xØ9	100
26 13 28	120/BIAT-100	100	30		127	37	100x80	80x60xØ9	120
26 13 33	P-120/BIAT-125	125	35		154	45	100x80	80x60xØ9	140

120 F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
26 13 03	120/BIS-80x30F1	80	30		107	31	12	100
26 13 08	120/BIS-100x30F1	100	30		127	37	12	120
26 13 13	120/BIS-125x35F1	125	35		154	41	12	140



120/T F1

							
Código/Code	Ref.	mm	mm		mm		Kg
26 13 04	120/BIST-80x30F1	80	30		107	12	100
26 13 09	120/BIST-100x30F1	100	30		127	12	120
26 13 14	120/BIST-125x35F1	125	35		154	12	140



118 F4 INOX



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 20 12	118/BS-80CZ F4/1	80	25		105	31	100x80	80x60xØ9	60
27 20 13	118/BS-100CZ F4/1	100	30		125	37	100x80	80x60xØ9	80
27 20 14	118/BS-125CZ F4/1	125	38		152	41	100x80	80x60xØ9	100
27 18 59	118/BS-160CZ F4	160	40		199	56	135x110	105x80xØ11	130
27 18 60	118/BS-200CZ F4	200	50		240	56	135x110	105x80xØ11	200

119 INOX



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 22 06	119/BS-80/1CZ/1	80	25		105	105x85	80x60xØ9	60	
27 22 07	119/BS-100/1CZ/1	100	30		125	105x85	80x60xØ9	80	
27 22 10	119/BS-125/1CZ/1	125	38		152	105x85	80x60xØ9	100	
27 19 50	119/BS-160CZ	160	40		199	140x110	105x80xØ11	130	
27 19 51	119/BS-200CZ	200	50		240	140x110	105x80xØ11	200	

118/T F4 INOX



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 20 17	118/BST-80CZ F4/1	80	25		105	31	100x80	80x60xØ9	60
27 20 18	118/BST-100CZ F4/1	100	30		125	37	100x80	80x60xØ9	80
27 20 19	118/BST-125CZ F4/1	125	38		152	45	100x80	80x60xØ9	100

27 18 64	118/BST-160CZ F4	160	40		199	56	135x110	105x80xØ11	130
27 18 65	118/BST-200CZ F4	200	50		240	56	135x110	105x80xØ11	200

118 F1 INOX















Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 20 22	118/BS-80CZ F1/1	80	25		105	31	12	60	
27 20 23	118/BS-100CZ F1/1	100	30		125	37	12	80	
27 20 24	118/BS-125CZ F1/1	125	38		152	41	12	100	

118/T F1 INOX














Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 20 27	118/BST-80CZ F1/1	80	25		105	31	12	60	
27 20 28	118/BST-100CZ F1/1	100	30		125	37	12	80	
27 20 29	118/BST-125CZ F1/1	125	38		152	45	12	100	

118 F4 INOX

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 24 01	118/BIS-80 F4/1	80	30		105	31	100x80	80x60xØ9	100
27 24 06	118/BIS-100 F4/1	100	30		125	37	100x80	80x60xØ9	120
27 24 11	118/BIS-125 F4/1	125	35		152	41	100x80	80x60xØ9	140















119 INOX

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
27 24 00	119/BIS-80/1	80	30		105	105x85	80x60xØ9	100
27 24 05	119/BIS-100/1	100	30		125	100x85	80x60xØ9	120
27 24 10	119/BIS-125/1	125	35		152	105x85	80x60xØ9	140















118/T F4 INOX

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 24 02	118/BIST-80 F4/1	80	30		105	31	100x80	80x60Ø9	100
27 24 07	118/BIST-100 F4/1	100	30		125	37	100x80	80x60xØ9	120
27 24 12	118/BIST-125 F4/1	125	35		152	45	100x80	80x60Ø9	140















118 F1 INOX

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 24 03	118/BIS-80 F1/1	80	30		105	31	12	100	
27 24 08	118/BIS-100 F1/1	100	30		125	37	12	120	
27 24 13	118/BIS-125 F1/1	125	35		152	41	12	140	



118/T F1 INOX

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 24 04	118/BIST-80 F1/1	80	30		105	31	12	100	
27 24 09	118/BIST-100 F1/1	100	30		125	37	12	120	
27 24 14	118/BIST-125 F1/1	125	35		152	45	12	140	



BENA

RODAS EM BORRACHA ELÁSTICA, NÚCLEO EM POLIAMIDA COM ROLAMENTO DE ROLOS

ELASTIC RUBBER WHEELS, POLYAMIDE CENTRE WITH ROLLER BEARING

ROUES EN CAOUTCHOUC ELASTIQUE, CORPS EN POLYAMIDE AVEC ROULEMENT À ROULEAUX



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 14 61	BENA-100AZ	100	35	37	12		150
10 14 62	BENA-125AZ	125	40	48	15		230

DUREZA - 70 Shore A; *HARDNESS* - 70 Shore A; DURETÉ - 70 Shore A



10 14 60	BENA-100CZ	100	35	37	12		150
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DUREZA - 70 Shore A; *HARDNESS* - 70 Shore A; DURETÉ - 70 Shore A

BENE

RODAS EM BORRACHA ELÁSTICA, NÚCLEO EM POLIAMIDA COM ROLAMENTO DE ESFERAS

ELASTIC RUBBER WHEELS, POLYAMIDE CENTRE WITH BALL BEARING

ROUES EN CAOUTCHOUC ELASTIQUE, CORPS EN POLYAMIDE AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 14 83	BENE-160	160	45	55	20	6204-ZZ	300
10 14 84	BENE-200	200	50	57	20	6204-ZZ	450













DUREZA - 70 Shore A; *HARDNESS* - 70 Shore A; DURETÉ - 70 Shore A



10 14 86	BENE-160AZ	160	45	55	20	6204-ZZ	300
10 14 87	BENE-200AZ	200	50	57	20	6204-ZZ	450













DUREZA - 70 Shore A; *HARDNESS* - 70 Shore A; DURETÉ - 70 Shore A

120 F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
26 14 11	120/BENA-100AZ	100	35		127	37	100x80	80x60xØ9	150	
26 14 12	P-120/BENA-125AZ	125	40		154	41	100x80	80x60xØ9	200	
26 14 16	120/BENA-100CZ	100	35		127	37	100x80	80x60xØ9	150	















125

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
26 15 11	125/BENA-100AZ	100	35		127	105x85	80x60xØ9	150		
26 15 12	P-125/BENA-125AZ	125	40		154	105x85	80x60xØ9	200		
26 15 16	125/BENA-100CZ	100	35		127	105x85	80x60xØ9	150		



120/T F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
26 16 66	120/BENAT-100AZ	100	35		127	37	100x80	80x60xØ9	150	
26 16 67	P-120/BENAT-125AZ	125	40		154	45	100x80	80x60xØ9	200	
26 16 71	120/BENAT-100CZ	100	35		127	37	100x80	80x60xØ9	150	



120 F4



Código/Code	Ref.									Kg
		mm	mm	mm	mm	mm	mm	mm		
26 14 30	120/BENE-160PR	160	45		200	45	135x110	105x80xØ11	300	
26 14 31	120/BENE-200PR	200	50		243	50	135x110	105x80xØ11	300	

26 14 29	120/BENE-160AZ	160	45		200	45	135x110	105x80xØ11	300
26 14 33	120/BENE-200AZ	200	50		243	50	135x110	105x80xØ11	300

125



Código/Code	Ref.									Kg
		mm	mm	mm	mm	mm	mm	mm		
26 15 30	125/BENE-160PR	160	45		200	45	140x110	105x80xØ11	300	
26 15 31	125/BENE-200PR	200	50		243	50	140x110	105x80xØ11	300	

26 15 35	125/BENE-160AZ	160	45		200	45	140x110	105x80xØ11	300
26 15 36	125/BENE-200AZ	200	50		243	50	140x110	105x80xØ11	300












120/T F4





Código/Code	Ref.									Kg
		mm	mm	mm	mm	mm	mm	mm		
26 16 90	120/BENET-160PR	160	45		200	45	135x110	105x80xØ11	300	
26 16 91	120/BENAT-200PR	200	50		243	50	135x110	105x80xØ11	300	

26 16 98	120/BENET-160AZ	160	45		200	45	135x110	105x80xØ11	300
26 16 99	120/BENET-200AZ	200	50		243	50	135x110	105x80xØ11	300











132 F4



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 32 54	132/BENE-160PR	160	45		198	55	138x110	105x80xØ11	300	
25 32 55	132/BENE-200PR	200	50		243	60	138x110	105x80xØ11	450	

25 32 10	132/BENE-160AZ	160	45		198	55	138x110	105x80xØ11	300
25 32 11	132/BENE-200AZ	200	50		243	60	138x110	105x80xØ11	450













133



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 33 55	133/BENE-160PR	160	45		198	55	138x110	105x80xØ11	300
25 33 56	133/BENE-200PR	200	50		243	60	138x110	105x80xØ11	450

25 33 57	133/BENE-160AZ	160	45		198	55	138x118	105x80xØ11	300
25 33 58	133/BENE-200AZ	200	50		243	60	138x118	105x80xØ11	450



132/T F4












									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 58	132/BENET-160PR	160	45		198	55	138x110	105x80xØ11	300
25 32 57	132/BENET-200PR	200	50		243	60	138x110	105x80xØ11	450

25 32 12	132/BENET-160AZ	160	45		203	55	138x110	105x80xØ11	300
25 32 13	132/BENET-200AZ	200	50		243	60	138x110	105x80xØ11	450














118 F4 INOX



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 20 40	118/BENA-100 AZ F4/1	100	35		I	125	37	100x80	80x60xØ9	150
27 20 44	118/BENA-125 AZ F4/1	125	40		I	152	41	100x80	80x60xØ9	200












119 INOX



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 22 16	119/BENA-100 AZ/1	100	35		I	125	105x85	80x60xØ9	80x60xØ9	150
27 22 17	119/BENA-125 AZ/1	125	40		I	152	100x85	80x60xØ9	80x60xØ9	200












118/T F4 INOX



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 20 41	118/BENAT-100 AZ F4/1	100	35		I	125	37	100x80	80x60xØ9	150
27 20 45	118/BENAT-125 AZ F4/1	125	40		I	152	45	100x80	80x60xØ9	200












118 F1 INOX



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 20 42	118/BENA-100 AZ F1/1	100	35		I	125	37	12	12	150
27 20 46	118/BENA-125 AZ F1/1	125	40		I	152	41	12	12	200

118/T F1 INOX










										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 20 43	118/BENAT-100 AZ F1/1	100	35		I	125	37	12	12	150
27 20 47	118/BENAT-125 AZ F1/1	125	40		I	152	45	12	12	200

RODAS EM BORRACHA ELÁSTICA PRETA VULCANIZADA , NÚCLEO EM ALUMÍNIO COM ROLAMENTO DE ESFERAS

VULCANIZED BLACK ELASTIC RUBBER WHEELS, ALUMINIUM CENTRE WITH BALL BEARING

ROUES EN CAOUTCHOUC ELASTIQUE NOIR VULCANISÉ, CORPS EN ALUMINIUM AVEC ROULEMENT À BILLES









								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg.
10 15 02	BEAE-100	100	35	37	12	6001-ZZ		180
10 15 03	BEAE-125	125	40	45	15	6202-ZZ		200
10 15 04	BEAE-160.20/1	160	45	50	20	6204-ZZ		300
10 15 11	BEAE-180.20	180	50	60	20	6204-ZZ		350
10 15 08	BEAE-200.20/1	200	50	57	20	6204-ZZ		500
10 15 09	BEAE-200.25/1	200	50	57	25	6005-ZZ		500
10 15 10	BEAE-250.20	250	50	57	20	6204-ZZ		550

DUREZA - 70 Shore A; HARDNESS - 70 Shore A; DURETÉ - 70 Shore A











RODÍZIOS / CASTORS / ROULETTES - 120,125,120/T

120 F4

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
26 14 02	120/BEAE-100	100	35	37	127	37	100x80	80x60xØ9	150
26 14 03	P-120/BEAE-125	125	40	45	154	41	100x80	80x60xØ9	200
26 14 04	120/BEAE-125	125	40	45	156	50	135x110	105x80xØ11	200
26 14 05	120/BEAE-160	160	45	50	200	45	135x110	105x80xØ11	300
26 14 06	120/BEAE-200	200	50	57	243	50	135x110	105x80xØ11	300











125

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
26 15 02	125/BEAE-100	100	35	37	127	37	105x85	80x60xØ9	150
26 15 03	P-125/BEAE-125	125	40	45	154	41	105x85	80x60xØ9	200
26 15 04	125/BEAE-125	125	40	45	156	50	140x110	105x80xØ11	200
26 15 05	125/BEAE-160	160	45	50	200	45	140x110	105x80xØ11	300
26 15 06	125/BEAE-200	200	50	57	243	50	140x110	105x80xØ11	300



120/T F4

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
26 16 92	120/BEAET-100	100	35	37	127	37	100x80	80x60xØ9	150
26 16 93	P-120/BEAET-125	125	40	45	154	45	100x80	80x60xØ9	200



26 16 95	120/BEAET-160	160	45	50	200	45	135x110	105x80xØ11	300
26 16 96	120/BEAET-200	200	50	57	243	50	135x110	105x80xØ11	300



132 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 32 06	132/BEAE-100	100	35		128	43	100x80	80x60xØ9	180	
25 32 07	P-132/BEAE-125	125	40		155	43	100x80	80x60xØ9	200	
25 32 08	132/BEAE-160	160	45		203	55	138x110	105x80xØ11	350	
25 32 09	132/BEAE-200	200	50		243	60	138x110	105x80xØ11	500	

133



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 33 47	133/BEAE-100	100	35		128	105x85	80x60xØ9	180	
25 33 48	P-133/BEAE-125	125	40		155	105x85	80x60xØ9	200	
25 33 49	133/BEAE-160	160	45		203	138x118	105x80xØ11	350	
25 33 50	133/BEAE-200	200	50		243	138x118	105x80xØ11	500	

132/T F4














Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 60	132/BEAET-100	100	35		128	38	100x80	80x60xØ9	180
25 32 61	P-132/BEAET-125	125	40		155	45	100x80	80x60xØ9	200













25 32 62	132/BEAET-160	160	45		203	55	138x110	105x80xØ11	350
25 32 59	132/BEAET-200	200	50		243	60	138x110	105x80xØ11	500

150 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 06	150/BEAE-160	160	45		215	60	135x110	105x80xØ11	300
25 46 07	150/BEAE-200	200	50		252	70	135x110	105x80xØ11	500














151

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 47 06	151/BEAE-160	160	45		215	135x110	105x80xØ11	300
25 47 07	151/BEAE-200	200	50		252	135x110	105x80xØ11	500



150/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 09	150/BEAET-160	160	45		215	60	135x110	105x80xØ11	300
25 46 10	150/BEAET-200	200	50		252	70	135x110	105x80xØ11	500



BVFA

RODAS EM BORRACHA VULCANIZADA, NÚCLEO EM FERRO FUNDIDO, COM ROLAMENTO DE ROLOS
 VULCANIZED RUBBER WHEELS, CAST IRON CENTRE, WITH ROLLER BEARING

ROUES EN CAOUTCHOUC VULCANISÉ, CORPS EN FONTE, AVEC ROULEMENT À ROULEAUX



Código/Code	Ref.	mm	mm	mm	mm			Kg
10 22 36	BVFA-100	100	35	37	12			150
10 22 42	BVFA-125	125	40	48	15			200
10 22 51	BVFA-150	150	45	54	20			350
10 22 60	BVFA-200	200	50	57	20			500

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A

3/B

RODAS EM BORRACHA VULCANIZADA, NÚCLEO EM FERRO FUNDIDO, COM ROLAMENTO DE ESFERAS
 VULCANIZED RUBBER WHEELS, CAST IRON CENTRE, WITH BALL BEARING

ROUES EN CAOUTCHOUC VULCANISÉ, CORPS EN FONTE, AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm			Kg
10 23 54	3/B-160	160	75	75	25			500
10 23 60	3/B-200	200	75	75	25			600
10 23 65	3/B-250	250	75	75	25			700
10 23 73	3/B-300	300	75	75	30			800

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A

BEFE

RODAS EM BORRACHA ELÁSTICA, NÚCLEO EM FERRO FUNDIDO, COM ROLAMENTO DE ESFERAS
 ELASTIC RUBBER WHEELS, CAST IRON CENTRE, WITH BALL BEARING

ROUES EN CAOUTCHOUC ÉLASTIQUE, CORPS EN FONTE, AVEC ROULEMENT À BILLES














Código/Code	Ref.	mm	mm	mm	mm			Kg
10 24 53	BEFE-250x60	250	60	80	30			600
10 24 54	BEFE-300x75	300	75	80	35			800
10 24 55	BEFE-360x75	360	75	80	35			1000
10 24 56	BEFE-500x85	500	85	85	50			1300

DUREZA - 70 Shore A; *HARDNESS* - 70 Shore A; DURETÉ - 70 Shore A












RODÍZIOS / CASTORS / ROULETTES - 120,125

120 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
26 12 98	120/BV-150 LUB	150	45		195	45	135x110	105x80xØ11	300
26 12 99	120/BV-200 LUB	200	50		243	50	135x110	105x80xØ11	300
















125

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
26 13 98	125/BV-150 LUB	150	45		195	140x110	105x80xØ11	105x80xØ11	300
26 13 99	125/BV-200 LUB	200	50		243	140x110	105x80xØ11	105x80xØ11	300
















RODÍZIOS / CASTORS / ROULETTES - 132,133,132/T

132 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 01	132/BV-100	100	35		128	43	100x80	80x60xØ9	150
25 32 03	P-132/BV-125	125	40		155	43	100x80	80x60xØ9	200
25 32 04	132/BV-150	150	45		198	55	138x110	105x80xØ11	350
25 32 05	132/BV-200	200	50		243	60	138x110	105x80xØ11	500














133



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 33 01	133/BV-100	100	35		128	105x85	80x60xØ9	80x60xØ9	150
25 33 05	P-133/BV-125	125	40		155	105x85	80x60xØ9	80x60xØ9	200
25 33 03	133/BV-150	150	45		198	138x118	105x80xØ11	105x80xØ11	350
25 33 04	133/BV-200	200	50		243	138x118	105x80xØ11	105x80xØ11	500



132/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 50	132/BVT-100	100	35		128	38	100x80	80x60xØ9	150
25 32 51	P-132/BVT-125	125	40		155	45	100x80	80x60xØ9	200
















25 32 52	132/BVT-150	150	45		198	55	138x110	105x80xØ11	350
25 32 53	132/BVT-200	200	50		243	60	138x110	105x80xØ11	500















128 F4

















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 01	128/BV-100	100	35		140	37	97x80	75x55xØ10	150
25 46 02	128/BV-125	125	40		160	50	136x120	108x78xØ11	200
25 46 03	128/BV-150	150	45		190	50	136x120	108x78xØ11	350
25 46 04	128/BV-200	200	50		240	60	136x120	108x78xØ11	500

129
















								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 47 01	129/BV-100	100	35		140	97x80	75x55xØ10	150
25 47 02	129/BV-125	125	40		160	136x120	108x78xØ11	200
25 47 03	129/BV-150	150	45		190	136x120	108x78xØ11	350
25 47 04	129/BV-200	200	50		240	136x120	108x78xØ11	500

154 F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 56 80	154/B-160x75	160	75		223	50	175x140	140x105xØ14	500	
25 56 81	154/B-200x75	200	75		275	65	175x140	140x105xØ14	600	
25 56 82	154/B-250x75	250	75		320	74	175x140	140x105xØ14	700	
25 56 83	154/B-300x75	300	75		360	81	175x140	140x105xØ14	800	
















155

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 57 32	155/B-160x75	160	75		223	175x140	140x105xØ14	500	
25 57 33	155/B-200x75	200	75		275	175x140	140x105xØ14	600	
25 57 34	155/B-250x75	250	75		320	175x140	140x105xØ14	700	
25 57 35	155/B-300x75	300	75		360	175x140	140x105xØ14	800	














154/T F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 56 86	154/BT-200x75	200	75		275	65	175x140	140x105xØ14	600	
25 56 87	154/BT-250x75	250	75		320	74	175x140	140x105xØ14	700	
25 56 88	154/BT-300x75	300	75		360	81	175x140	140x105xØ14	800	













154 F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 56 91	154/BEFE-250x60	250	60		320	74	175x140	140x105xØ14	600
25 56 92	154/BEFE-300x75	300	75		360	81	175x140	140x105xØ14	800











155



								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 57 37	155/BEFE-250x60	250	60		320	175x140	140x105xØ14	600
25 57 38	155/BEFE-300x75	300	75		360	175x140	140x105xØ14	800

154/T F4











									
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg	
25 56 95	154/BEFET-250x60	250	60		320	74	175x140	140x105xØ14	600
25 56 96	154/BEFET-300x75	300	75		360	81	175x140	140x105xØ14	800

PUINS

RODAS EM POLIURETANO INJECTADO VERMELHO, NÚCLEO EM POLIAMIDA, CUBO LISO

POLYURETHANE WHEELS INJECTED IN RED, CENTRE IN POLYAMIDE, WITH PLAIN BEARING

ROUES EN POLYURÉTHANE INJECTÉ EN ROUGE, CORPS EN POLYAMIDE, AVEC MOYEU LISSE

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg	
10 26 50	PUINS-80VM	80	30	37	12			180	
10 26 51	PUINS-100VM	100	30	37	12			220	
10 26 52	PUINS-125VM	125	35	48	15			250	
10 26 53	PUINS-150VM	150	45	57	20			450	
10 26 54	PUINS-200VM	200	50	57	20			600	

DUREZA - 98 Shore A; *HARDNESS* - 98 Shore A; DURETÉ - 98 Shore A





















PUINA

RODAS EM POLIURETANO INJECTADO VERMELHO, NÚCLEO EM POLIAMIDA, COM ROLAMENTO DE ROLOS

POLYURETHANE WHEELS INJECTED IN RED, CENTRE IN POLYAMIDE, WITH ROLLER BEARING

ROUES EN POLYURÉTHANE INJECTÉ EN ROUGE, CORPS EN POLYAMIDE, AVEC ROULEMENT À ROULEAUX

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg	
10 26 20	PUINA-80VM	80	30	37	12			180	
10 26 21	PUINA-100VM	100	30	37	12			220	
10 26 22	PUINA-125VM	125	35	48	15			250	
10 26 24	PUINA-150VM	150	45	57	20			450	
10 26 25	PUINA-200VM	200	50	57	20			600	
10 26 30	PUINA-80VM	80	30	37	12			180	
10 26 31	PUINA-100VM	100	30	37	12			220	
10 26 32	PUINA-125VM	125	35	48	15			250	
10 26 34	PUINA-150VM	150	45	57	20			450	
10 26 35	PUINA-200VM	200	50	57	20			600	

DUREZA - 98 Shore A; *HARDNESS* - 98 Shore A; DURETÉ - 98 Shore A











PUINE

RODAS EM POLIURETANO INJECTADO VERMELHO, NÚCLEO EM POLIAMIDA, COM ROLAMENTOS DE ESFERAS

POLYURETHANE WHEELS INJECTED IN RED, CENTRE IN POLYAMIDE, WITH BALL BEARING

ROUES EN POLYURÉTHANE INJECTÉ EN ROUGE, CORPS EN POLYAMIDE, AVEC ROULEMENT À BILLES

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg	
10 26 66	PUINE-80VM	80	30	39	8			180	
10 26 67	PUINE-100VM	100	30	39	8			220	
10 26 68	PUINE-125VM	125	35	48	10			250	
10 26 69	PUINE-150VM	150	45	57	20	6204-ZZ		450	
10 26 70	PUINE-200VM	200	50	57	20	6204-ZZ		600	

DUREZA - 98 Shore A; *HARDNESS* - 98 Shore A; DURETÉ - 98 Shore A



120 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 12 16	120/PUIS-80VM	80	30		107	31	100x80	80x60xØ9	120	
24 12 17	120/PUIS-100VM	100	30		127	37	100x80	80x60xØ9	170	
24 12 15	P-120/PUIS-125VM	125	35		154	41	100x80	80x60xØ9	200	
24 12 18	120/PUIS-150VM	150	45		195	45	135x110	105x80xØ11	300	
24 12 19	120/PUIS-200VM	200	50		243	50	135x110	105x80xØ11	300	
24 12 01	120/PUIA-80VM	80	30		107	31	100x80	80x60xØ9	120	
24 12 02	120/PUIA-100VM	100	30		127	37	100x80	80x60xØ9	170	
24 12 03	P-120/PUIA-125VM	125	35		154	41	100x80	80x60xØ9	200	
24 12 04	120/PUIA-125VM	125	35		156	50	135x110	105x80xØ11	200	
24 12 05	120/PUIA-150VM	150	45		195	45	135x110	105x80xØ11	300	
24 12 06	120/PUIA-200VM	200	50		243	50	135x110	105x80xØ11	300	
26 14 80	*120/PUIE-80VM	80	30		107	31	100x80	80x60xØ9	150	
26 14 81	*120/PUIE-100VM	100	30		127	37	100x80	80x60xØ9	180	
26 14 82	*P-120/PUIE-125VM	125	35		154	41	100x80	80x60xØ9	200	
26 14 83	120/PUIE-150VM	150	45		195	45	135x110	105x80xØ11	300	
26 14 84	120/PUIE-200VM	200	50		243	50	135x110	105x80xØ11	300	

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils




















125



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 13 16	125/PUIS-80VM	80	30		107	105x85	80x60xØ9	120		
24 13 17	125/PUIS-100VM	100	30		127	105x85	80x60xØ9	170		
24 13 18	P-125/PUIS-125VM	125	35		154	105x85	80x60xØ9	200		
24 13 19	125/PUIS-150VM	150	45		195	140x110	105x80xØ11	300		
24 13 20	125/PUIS-200VM	200	50		243	140x110	105x80xØ11	300		
24 13 01	125/PUIA-80VM	80	30		107	105x85	80x60xØ9	120		
24 13 02	125/PUIA-100VM	100	30		127	105x85	80x60xØ9	170		
24 13 03	P-125/PUIA-125VM	125	35		154	105x85	80x60xØ9	200		
24 13 04	125/PUIA-125VM	125	35		156	140x110	105x80xØ11	200		
24 13 05	125/PUIA-150VM	150	45		195	140x110	105x80xØ11	300		
24 13 06	125/PUIA-200VM	200	50		243	140x110	105x80xØ11	300		
24 13 44	*125/PUIE-80VM	80	30		107	105x85	80x60xØ9	150		
24 13 45	*125/PUIE-100VM	100	30		127	105x85	80x60xØ9	180		
24 13 46	*P-125/PUIE-125VM	125	35		154	105x85	80x60xØ9	200		
24 13 47	125/PUIE-150VM	150	45		195	140x110	105x80xØ11	300		
24 13 48	125/PUIE-200VM	200	50		243	140x110	105x80xØ11	300		







* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

120/T F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 12 45	120/PUIST-80VM	80	30		107	31	100x80	80x60xØ9	150	
24 12 46	120/PUIST-100VM	100	30		127	37	100x80	80x60xØ9	180	
24 12 47	P-120/PUIST-125VM	125	35		154	45	100x80	80x60xØ9	200	
26 16 50	120/PUIAT-80VM	80	30		107	31	100x80	80x60xØ9	150	
26 16 51	120/PUIAT-100VM	100	30		127	37	100x80	80x60xØ9	180	
26 16 52	P-120/PUIAT-125VM	125	35		154	45	100x80	80x60xØ9	200	
26 14 85	*120/PUIET-80VM	80	30		107	31	100x80	80x60xØ9	150	
26 14 86	*120/PUIET-100VM	100	30		127	37	100x80	80x60xØ9	180	
26 14 87	*P-120/PUIET-125VM	125	35		154	45	100x80	80x60xØ9	200	
















* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



24 12 48	120/PUIST-150VM	150	45		195	45	135x110	105x80xØ11	300
24 12 49	120/PUIST-200VM	200	50		243	45	135x110	105x80xØ11	300
24 12 42	120/PUIAT-150VM	150	45		195	45	135x110	105x80xØ11	300
24 12 44	120/PUIAT-200VM	200	50		243	50	135x110	105x80xØ11	300
26 14 88	120/PUIET-150VM	150	45		195	45	135x110	105x80xØ11	300
24 14 89	120/PUIET-200VM	200	50		243	50	135x110	105x80xØ11	300


















120 F1

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
25 16 41	120/PUIS-80VM F1	80	30		107	31	12	150	
25 16 42	120/PUIS-100VM F1	100	30		127	37	12	180	
25 16 43	120/PUIS-125VM F1	125	35		154	41	12	200	
25 16 31	120/PUIA-80VM F1	80	30		107	31	12	150	
25 16 32	120/PUIA-100VM F1	100	30		127	37	12	180	
25 16 33	120/PUIA-125VM F1	125	35		154	41	12	200	



120/T F1

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
26 16 85	120/PUIST-80VM F1	80	30		107	31	12	150	
26 16 86	120/PUIST-100VM F1	100	30		127	37	12	180	
26 16 87	120/PUIST-125VM F1	125	35		154	45	12	200	
26 16 80	120/PUIAT-80VM F1	80	30		107	31	12	150	
26 16 82	120/PUIAT-100VM F1	100	30		127	37	12	180	
26 16 83	120/PUIAT-125VM F1	125	35		154	45	12	200	



132 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 32 39	132/PUIA-100VM	100	30		128	43	100x80	80x60xØ9	220	
25 32 40	P-132/PUIA-125VM	125	35		155	43	100x80	80x60xØ9	250	
25 32 42	132/PUIA-150VM	150	45		198	55	138x110	105x80xØ11	450	
25 32 43	132/PUIA-200VM	200	50		243	60	138x110	105x80xØ11	600	
25 32 35	*132/PUIE-100VM	100	30		128	43	100x80	80x60xØ9	220	
25 32 36	*P-132/PUIE-125VM	125	35		155	43	100x80	80x60xØ9	250	
25 32 37	132/PUIE-150VM	150	45		198	55	138x110	105x80xØ11	400	
25 32 38	132/PUIE-200VM	200	50		243	60	138x110	105x80xØ11	550	

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

133



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 33 37	133/PUIA-100VM	100	30		128	105x85	80x60xØ9	220	
25 33 38	P-133/PUIA-125VM	125	35		155	105x85	80x60xØ9	250	
25 33 40	133/PUIA-150VM	150	45		198	138x118	105x80xØ11	450	
25 33 41	133/PUIA-200VM	200	50		243	138x118	105x80xØ11	600	
25 33 71	*133/PUIE-100VM	100	30		128	105x85	80x60xØ9	220	
25 33 72	*P-133/PUIE-125VM	125	35		155	105x85	80x60xØ9	250	
25 33 73	133/PUIE-150VM	150	45		198	138x118	105x80xØ11	450	
25 33 74	133/PUIE-200VM	200	50		243	138x118	105x80xØ11	600	

* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils




















132/T F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 85	132/PUIAT-100VM	100	30		128	38	100x80	80x60xØ9	220
25 32 86	P-132/PUIAT-125VM	125	35		155	45	100x80	80x60xØ9	250
25 32 89	*132/PUIET-100VM	100	30		128	38	100x80	80x60xØ9	220
25 32 90	*P-132/PUIET-125VM	125	35		155	45	100x80	80x60xØ9	250
25 32 87	132/PUIAT-150VM	150	45		198	55	138x110	105x80xØ11	450
25 32 88	132/PUIAT-200VM	200	50		243	60	138x110	105x80xØ11	600
25 32 91	132/PUIET-150VM	150	45		198	55	138x110	105x80xØ11	450
25 32 92	132/PUIET-200VM	200	50		243	60	138x110	105x80xØ11	600



















* Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

118 F4 INOX

Código/Code	Ref.									
27 21 21	118/PUIS-80VM F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 22	118/PUIS-100VM F4/1	100	30		125	37	100x80	80x60xØ9	180	
27 21 23	118/PUIS-125VM F4/1	125	35		152	41	100x80	80x60xØ9	220	
27 18 78	118/PUIS-150VM F4	150	45		194	56	140x110	105x80xØ11	300	
27 18 79	118/PUIS-200VM F4	200	50		240	56	140x110	105x80xØ11	300	
27 21 29	118/PUIA-80VM F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 30	118/PUIA-100VM F4/1	100	30		125	37	100x80	80x60xØ9	180	
27 21 31	118/PUIA-125VM F4/1	125	35		152	41	100x80	80x60xØ9	220	
27 14 71	118/PUIA-150V5M F4	150	45		194	56	140x110	105x80xØ11	300	
27 14 72	118/PUIA-200VM F4	200	50		240	56	140x110	105x80xØ11	300	






















119 INOX

Código/Code	Ref.								
27 22 35	119/PUIS-80VM/1	80	30		105	105x85	80x60xØ9	150	
27 22 36	119/PUIS-100VM/1	100	30		125	105x85	80x60xØ9	180	
27 22 37	119/PUIS-125VM/1	125	35		152	105x85	80x60xØ9	220	
27 19 54	119/PUIS-150VM	150	45		194	140x110	105x80xØ11	300	
27 19 55	119/PUIS-200VM	200	50		240	140x110	105x80xØ11	300	
27 22 38	119/PUIA-80VM/1	80	30		105	105x85	80x60xØ9	150	
27 22 39	119/PUIA-100VM/1	100	30		125	105x85	80x60xØ9	180	
27 22 40	119/PUIA-125VM/1	125	35		152	105x85	80x60xØ9	220	
27 15 71	119/PUIA-150VM	150	45		194	140x110	105x80xØ11	300	
27 15 72	119/PUIA-200VM	200	50		240	140x110	105x80xØ11	300	

















118/T F4 INOX

Código/Code	Ref.									
27 21 26	118/PUIST-80VM F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 27	118/PUIST-100VM F4/1	100	30		125	37	100x80	80x60xØ9	180	
27 21 28	118/PUIST-125VM F4/1	125	35		152	45	100x80	80x60xØ9	220	
27 21 52	118/PUIAT-80VM F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 53	118/PUIAT-100VM F4/1	100	30		125	37	100x80	80x60xØ9	180	
27 21 54	118/PUIAT-125VM F4/1	125	35		152	45	105x85	80x60xØ9	220	
27 18 83	118/PUIST-150VM F4	150	45		194	56	140x110	105x80xØ11	300	
27 18 84	118/PUIST-200VM F4	200	50		240	56	140x110	105x80xØ11	300	
27 14 83	118/PUIAT-150VM F4	150	45		194	56	140x110	105x80xØ11	300	
27 14 84	118/PUIAT-200VM F4	200	50		240	56	140x110	105x80xØ11	300	

















118 F1 INOX



									
Código/Code	Ref.	mm	mm		mm	mm			Kg
27 21 24	118/PUIS-80VM F1/1	80	30		105	31	12		150
27 21 25	118/PUIS-100VM F1/1	100	30		125	37	12		180
27 21 20	118/PUIS-125VM F1/1	125	35		152	41	12		220
27 21 35	118/PUIA-80VM F1/1	80	30		105	31	12		150
27 21 36	118/PUIA-100VM F1/1	100	30		125	37	12		180
27 21 37	118/PUIA-125VM F1/1	125	35		152	41	12		220

118/T F1 INOX




























									
Código/Code	Ref.	mm	mm		mm	mm			Kg
27 21 32	118/PUIST-80VM F1/1	80	30		105	31	12		150
27 21 33	118/PUIST-100VM F1/1	100	30		125	37	12		180
27 21 34	118/PUIST-125VM F1/1	125	35		152	45	12		220
27 21 38	118/PUIAT-80VM F1/1	80	30		105	31	12		150
27 21 39	118/PUIAT-100VM F1/1	100	30		125	37	12		180
27 21 40	118/PUIAT-125VM F1/1	125	35		152	45	12		220

PUINS / PUINA / PUINE

RODAS EM POLIURETANO INJECTADO AZUL, NÚCLEO EM POLIAMIDA

POLYURETHANE WHEELS INJECTED IN BLUE, CENTRE IN POLYAMIDE


















ROUES EN POLYURÉTHANE INJECTÉ EN BLEUE, CORPS EN POLYAMIDE

								
Código/Code	Ref.	mm	mm	mm	mm			Kg.
10 26 45	PUINS-80AZ	80	30	37	12			120
10 26 46	PUINS-100AZ	100	30	37	12			150
10 26 44	PUINS-125AZ	125	35	48	15			180
13 08 07	PUINA-80AZ	80	30	37	12			120
13 08 08	PUINA-100AZ	100	30	37	12			150
13 08 09	PUINA-125AZ	125	35	48	15			180
13 08 44	PUINE-80AZ	80	30	39	8			120
13 08 41	PUINE-100AZ	100	32	39	8			150
13 08 42	PUINE-125AZ	125	32	49	10			180

DUREZA - 85 Shore A; HARDNESS - 85 Shore A; DURETÉ - 85 Shore A



















RODÍZIOS / CASTORS / ROULETTES - 120,125

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
24 12 12	120/PUIS-80AZ	80	30		107	31	100x80	80x60xØ9	120
24 12 13	120/PUIS-100AZ	100	30		127	37	100x80	80x60xØ9	150
24 12 14	P-120/PUIS-125AZ	125	35		154	41	100x80	80x60xØ9	180
24 12 07	120/PUIA-80AZ	80	30		107	31	100x80	80x60xØ9	120
24 12 08	120/PUIA-100AZ	100	30		127	37	100x80	80x60xØ9	150
24 12 09	P-120/PUIA-125AZ	125	35		154	41	100x80	80x60xØ9	180
24 12 60	120/PUIE-80AZ	80	30		107	31	100x80	80x60xØ9	120
24 12 62	120/PUIE-100AZ	100	32		127	37	100x80	80x60xØ9	150
24 12 63	P-120/PUIE-125AZ	125	32		154	41	100x80	80x60xØ9	180

120 F4



125

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
24 13 12	125/PUIS-80AZ	80	30		107	105x85	80x60xØ9	120
24 13 13	125/PUIS-100AZ	100	30		127	105x85	80x60xØ9	150
24 13 14	P-125/PUIS-125AZ	125	35		154	105x85	80x60xØ9	180
24 13 07	125/PUIA-80AZ	80	30		107	105x85	80x60xØ9	120
24 13 08	125/PUIA-100AZ	100	30		127	105x85	80x60xØ9	150
24 13 09	P-125/PUIA-125AZ	125	35		154	105x85	80x60xØ9	180
24 13 55	125/PUIE-80AZ	80	30		107	105x85	80x60xØ9	120
24 13 56	125/PUIE-100AZ	100	32		127	105x85	85x60xØ9	150
24 13 41	P-125/PUIE-125AZ	125	32		154	105x85	80x60xØ9	180



120/T F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 12 39	120/PUIST-80AZ	80	30		107	31	100x80	80x60xØ9	120	
24 12 40	120/PUIST-100AZ	100	30		127	37	100x80	80x60xØ9	150	
24 12 41	P-120/PUIST-125AZ	125	35		154	45	100x80	80x60xØ9	180	
26 16 55	120/PUIAT-80AZ	80	30		107	31	100x80	80x60xØ9	120	
26 16 56	120/PUIAT-100AZ	100	30		127	37	100x80	80x60xØ9	150	
26 16 57	P-120/PUIAT-125AZ	125	35		154	45	100x80	80x60xØ9	180	
24 12 61	120/PUIET-80AZ	80	30		107	31	100x80	80x60xØ9	120	
26 14 59	120/PUIET-100AZ	100	32		127	37	100x80	80x60xØ9	150	
26 14 60	P-120/PUIET-125AZ	125	32		154	45	100x80	80x60xØ9	180	

RODÍZIOS / CASTORS / ROULETTES - 118,119,118/T

118 F4 INOX



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 23 53	118/PUIS-80AZ F4/1	80	30		105	31	100x80	80x60xØ9	120	
27 23 55	118/PUIS-100AZ F4/1	100	30		125	37	100x80	80x60xØ9	150	
27 23 57	118/PUIS-125AZ F4/1	125	35		152	41	100x80	80x60xØ9	180	

119 INOX



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 22 51	119/PUIS-80AZ/1	80	30		105	31	105x85	80x60xØ9	120	
27 22 52	119/PUIS-100AZ/1	100	30		125	37	105x85	80x60xØ9	150	
27 22 53	119/PUIS-125AZ/1	125	35		152	41	105x85	80x60xØ9	180	

118/T F4 INOX















Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 23 54	118/PUIST-80AZ F4/1	80	30		105	31	100x80	80x60xØ9	120	
27 23 56	118/PUIST-100AZ F4/1	100	30		125	37	100x80	80x60xØ9	150	
27 23 58	118/PUIST-125AZ F4/1	125	35		152	45	100x80	80x60xØ9	180	

PUINS

RODAS EM POLIURETANO INJETADO, NÚCLEO EM POLIAMIDA

POLYURETHANE WHEELS INJECTED, POLYAMIDE CENTRE






ROUES EN POLYURÉTHANE INJECTÉ, CORPS EN POLYAMIDE

								
Código/Code	Ref.	mm	mm	mm	mm			Kg
10 26 56	PUINS-80AM	80	30	37	12			180
10 26 57	PUINS-100AM	100	30	37	12			220
10 26 58	PUINS-125AM	125	35	48	15			250
10 26 59	PUINS-150AM	150	45	57	20			450
10 26 60	PUINS-200AM	200	50	57	20			600

DUREZA - 92 Shore A; *HARDNESS* - 92 Shore A; DURETÉ - 92 Shore A






PUINA

10 26 23	PUINA-80AM	80	30	37	12		180
10 26 26	PUINA-100AM	100	30	37	12		220
10 26 27	PUINA-125AM	125	35	48	15		250
10 26 28	PUINA-150AM	150	45	57	20		450
10 26 29	PUINA-200AM	200	50	57	20		600

DUREZA - 92 Shore A; *HARDNESS* - 92 Shore A; DURETÉ - 92 Shore A



PUINE

10 26 76	PUINE-80AM	80	30	39	8		180
10 26 77	PUINE-100AM	100	32	39	8		220
10 26 78	PUINE-125AM	125	32	49	8		250

DUREZA - 92 Shore A; *HARDNESS* - 92 Shore A; DURETÉ - 92 Shore A






















10 26 79	PUINE-150.20AM	150	45	57	20	6204-ZZ	450
10 26 80	PUINE-200.20AM	200	50	57	20	6204-ZZ	600
10 26 81	PUINE-200.25AM	200	50	57	25	6005-ZZ	600

DUREZA - 92 Shore A; *HARDNESS* - 92 Shore A; DURETÉ - 92 Shore A





















120 F4



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 14 01	120/PUIS-80AM	80	30		107	31	100x80	80x60xØ9	150	
24 12 28	120/PUIS-100AM	100	30		127	37	100x80	80x60xØ9	180	
24 14 11	P-120/PUIS-125AM	125	35		154	41	100x80	80x60xØ9	200	
24 14 16	120/PUIS-150AM	150	45		195	45	135x110	105x80xØ11	300	
24 14 21	120/PUIS-200AM	200	50		243	50	135x110	105x80xØ11	300	
24 14 31	120/PUIA-80AM	80	30		107	31	100x80	80x60xØ9	150	
24 14 36	120/PUIA-100AM	100	30		127	37	100x80	80x60xØ9	180	
24 14 41	P-120/PUIA-125AM	125	35		154	41	100x110	80x60xØ9	200	
24 14 46	120/PUIA-150AM	150	45		195	45	135x110	105x80xØ11	300	
24 14 51	120/PUIA-200AM	200	50		243	50	135x109	105x80xØ11	300	




















125

















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
24 14 00	125/PUIS-80AM	80	30		107	105x85	80x60xØ9	150	
24 13 28	125/PUIS-100AM	100	30		127	105x85	80x60xØ9	180	
24 14 10	P-125/PUIS-125AM	125	35		154	105x85	80x60xØ9	200	
24 14 15	125/PUIS-150AM	150	45		195	140x110	105x80xØ11	300	
24 14 20	125/PUIS-200AM	200	50		243	140x110	105x80xØ11	300	
24 14 30	125/PUIA-80AM	80	30		107	105x85	80x60xØ9	150	
24 14 35	125/PUIA-100AM	100	30		127	105x85	80x60xØ9	180	
24 14 40	P-125/PUIA-125AM	125	35		154	105x85	80x60xØ9	200	
24 14 45	125/PUIA-150AM	150	45		195	140x110	105x80xØ11	300	
24 14 50	125/PUIA-200AM	200	50		243	140x110	105x80xØ11	300	

120/T F4



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
24 14 02	120/PUIST-80AM	80	30		107	31	100x80	80x60xØ9	150	
26 14 51	120/PUIST-100AM	100	30		127	37	100x80	80x60xØ9	180	
24 14 12	P-120/PUIST-125AM	125	35		154	45	100x80	80x60xØ9	200	
24 14 32	120/PUIAT-80AM	80	30		107	31	100x80	80x60xØ9	150	
24 14 37	120/PUIAT-100AM	100	30		127	37	100x80	80x60xØ9	180	
24 14 42	P-120/PUIAT-125AM	125	35		154	45	100x80	80x60xØ9	200	
24 14 17	120/PUIST-150AM	150	45		195	45	135x110	105x80xØ11	300	
24 14 22	120/PUIST-200AM	200	50		243	50	135x110	105x80xØ11	300	
24 14 47	120/PUIAT-150AM	150	45		195	45	135x110	105x80xØ11	300	
24 14 52	120/PUIAT-200AM	200	50		243	50	135x110	105x80xØ11	300	

RODÍZIOS / CASTORS / ROULETTES - 120,120/T















 Código/Code Ref.		 mm	 mm		 mm	 mm		 Kg
24 14 03	120/PUIS-80AM F1	80	30		107	31	12	150
24 12 34	120/PUIS-100AM F1	100	30		127	37	12	180
24 14 13	120/PUIS-125AM F1	125	35		154	41	12	200
24 14 33	120/PUIA-80AM F1	80	30		107	31	12	150
24 14 38	120/PUIA-100AM F1	100	30		127	37	12	180
24 14 43	120/PUIA-125AM F1	125	35		154	41	12	200

120 F1
















120/T F1



 Código/Code Ref.		 mm	 mm		 mm	 mm		 Kg
24 14 04	120/PUIST-80AM F1	80	30		107	31	12	150
26 14 57	120/PUIST-100AM F1	100	30		127	37	12	180
24 14 14	120/PUIST-125AM F1	125	35		154	45	12	200
24 14 34	120/PUIAT-80AM F1	80	30		107	31	12	150
24 14 39	120/PUIAT-100AM F1	100	30		127	37	12	180
24 14 44	120/PUIAT-125AM F1	125	35		154	45	12	200

RODÍZIOS / CASTORS / ROULETTES - 132, 133, 132/T

 Código/Code Ref.		 mm	 mm		 mm	 mm	 mm	 mm	 Kg
25 34 13	132/PUIA-100AM	100	30		128	43	100x80	80x60xØ9	220
25 34 14	P-132/PUIA-125AM	125	35		155	43	100x80	80x60xØ9	250
25 34 15	132/PUIA-150AM	150	45		198	55	138x110	105x80xØ11	450
25 34 16	132/PUIA-200AM	200	50		243	60	138x110	105x80xØ11	600














132 F4

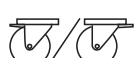














133



132/T F4

 Código/Code Ref.		 mm	 mm		 mm	 mm	 mm	 mm	 Kg
25 33 75	133/PUIA-100AM	100	30		128	38	105x85	80x60xØ9	220
25 33 76	P-133/PUIA-125AM	125	35		155	45	105x85	80x60xØ9	250
25 33 77	133/PUIA-150AM	150	45		198	55	138x118	105x80xØ11	450
25 33 78	133/PUIA-200AM	200	50		243	60	138x118	105x80xØ11	600

 Código/Code Ref.		 mm	 mm		 mm	 mm	 mm	 mm	 Kg
25 34 17	132/PUIAT-100AM	100	30		128	38	100x80	80x60xØ9	220
25 34 18	P-132/PUIAT-125AM	125	35		155	45	100x80	80x60xØ9	250
25 34 19	132/PUIAT-150AM	150	45		198	55	138x110	105x80xØ11	450
25 34 20	132/PUIAT-200AM	200	50		243	60	138x110	105x80xØ11	600



118 F4 INOX



Código/Code	Ref.	mm		mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	mm	mm	
27 23 01	118/PUIS-80AM F4/1	80	30	105	31	100x80	80x60xØ9	150		
27 21 62	118/PUIS-100AM F4/1	100	30	125	37	100x80	80x60xØ9	180		
27 23 11	118/PUIS-125AM F4/1	125	35	152	41	100x80	80x60xØ9	220		
27 23 16	118/PUIS-150AM F4	150	45	194	56	140x110	105x80xØ11	300		
27 23 21	118/PUIS-200AM F4	200	50	240	56	140x110	105x80xØ11	300		
27 23 31	118/PUIA-80AM F4/1	80	30	I	105	31	100x80	80x60xØ9	150	
27 23 36	118/PUIA-100AM F4/1	100	30	I	125	37	100x80	80x60xØ9	180	
27 23 41	118/PUIA-125AM F4/1	125	35	I	152	41	100x80	80x60xØ9	220	
27 23 46	118/PUIA-150AM F4	150	45	I	194	56	140x110	105x80xØ11	300	
27 23 51	118/PUIA-200AM F4	200	50	I	240	56	140x110	105x80xØ11	300	

119 INOX



Código/Code	Ref.	mm		mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	mm	mm	
27 23 00	119/PUIS-80AM/1	80	30	105	105x85	80x60xØ9	150			
27 22 46	119/PUIS-100AM/1	100	30	125	105x85	80x60xØ9	180			
27 23 10	119/PUIS-125AM/1	125	35	152	105x85	80x60xØ9	220			
27 23 15	119/PUIS-150AM	150	45	194	140x110	105x80xØ11	300			
27 23 20	119/PUIS-200AM	200	50	240	140x110	105x80xØ11	300			
27 23 30	119/PUIA-80AM/1	80	30	I	105	105x85	80x60xØ9	150		
27 23 35	119/PUIA-100AM/1	100	30	I	125	105x85	80x60xØ9	180		
27 23 40	119/PUIA-125AM/1	125	35	I	152	105x85	80x60xØ9	220		
27 23 45	119/PUIA-150AM	150	45	I	194	140x110	105x80xØ11	300		
27 23 50	119/PUIA-200AM	200	50	I	240	140x110	105x80xØ11	300		

118/T F4 INOX

















Código/Code	Ref.	mm		mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	mm	mm	
27 23 02	118/PUIST-80AM F4/1	80	30	105	31	100x80	80x60xØ9	150		
27 21 67	118/PUIST-100AM F4/1	100	30	125	37	100x80	80x60xØ9	180		
27 23 12	118/PUIST-125AM F4/1	125	35	152	45	100x80	80x60xØ9	220		
27 23 32	118/PUIAT-80AM F4/1	80	30	I	105	31	100x85	80x60xØ9	150	
27 23 37	118/PUIAT-100AM F4/1	100	30	I	125	37	100x85	80x60xØ9	180	
27 23 42	118/PUIAT-125AM F4/1	125	35	I	152	45	100x85	80x60xØ9	220	

















27 23 17	118/PUIST-150AM F4	150	45	194	56	140x110	105x80xØ11	300	
27 23 22	118/PUIST-200AM F4	200	50	240	56	140x110	105x80xØ11	300	
27 23 47	118/PUIAT-150AM F4	150	45	I	194	56	140x110	105x80xØ11	300
27 23 52	118/PUIAT-200AM F4	200	50	I	240	56	140x110	105x80xØ11	300

118 F1 INOX

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
27 23 03	118/PUIS-80AM F1/1	80	30		105	31	12	150	
27 21 64	118/PUIS-100AM F1/1	100	30		125	37	12	180	
27 23 13	118/PUIS-125AM F1/1	125	35		152	41	12	220	
27 23 33	118/PUIA-80AM F1/1	80	30		105	31	12	150	
27 23 38	118/PUIA-100AM F1/1	100	30		125	37	12	180	
27 23 43	118/PUIA-125AM F1/1	125	35		152	41	12	220	



118/T F1 INOX

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
27 23 04	118/PUIST-80AM F1/1	80	30		105	31	12	150	
27 21 69	118/PUIST-100AM F1/1	100	30		125	37	12	180	
27 23 14	118/PUIST-125AM F1/1	125	35		152	45	12	220	
27 23 34	118/PUIAT-80AM F1/1	80	30		105	31	12	150	
27 23 39	118/PUIAT-100AM F1/1	100	30		125	37	12	180	
27 23 44	118/PUIAT-125AM F1/1	125	35		152	45	12	220	



PUAE

RODAS EM POLIURETANO VAZADO, NÚCLEO EM ALUMÍNIO, COM ROLAMENTO DE ESFERAS
 CAST POLYURETHANE TREAD WHEELS, ALUMINIUM CENTRE, WITH BALL BEARING
 ROUES EN POLYURÉTHANHE COULÉ, CORPS EN ALUMINIUM, AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
10 15 30	PUAE-80/1	80	35	37	12	6001-ZZ	220	220
10 15 31	PUAE-100/1	100	30	37	12	6001-ZZ	250	250
10 15 32	PUAE-125/1	125	35	47	15	6002-ZZ	400	400
10 15 33	PUAE-125x45	125	45	50	20	6204-ZZ	500	500
10 15 34	PUAE-160.20	160	50	57	20	6204-ZZ	600	600
10 15 36	PUAE-200.20/1	200	50	57	20	6204-ZZ	850	850
10 15 37	PUAE-200.25/1	200	50	57	25	6005-ZZ	850	850

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A

RODÍZIOS / CASTORS / ROULETTES - 120,125,120/T

120 F4



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
24 12 50	120/PUAE-80	80	35	107	31	100x80	80x60xØ9	150
24 12 51	120/PUAE-100	100	30	127	37	100x80	80x60xØ9	180
24 12 52	P-120/PUAE-125	125	35	154	41	100x80	80x60xØ9	200
24 12 54	120/PUAE-160	160	50	200	45	135x110	105x80xØ11	300
24 12 56	120/PUAE-200	200	50	243	50	135x110	105x80xØ11	300

125



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
24 13 33	125/PUAE-80	80	35	107	31	105x85	80x60xØ9	150
24 13 34	125/PUAE-100	100	30	127	37	105x85	80x60xØ9	180
24 13 35	P-125/PUAE-125	125	35	154	41	105x85	80x60xØ9	200
24 13 37	125/PUAE-160	160	50	200	45	140x110	105x80xØ11	300
24 13 39	125/PUAE-200	200	50	243	50	140x110	105x80xØ11	300

120/T F4

















Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
26 14 61	120/PUAET-80/1	80	35	107	31	100x80	80x60xØ9	150
26 14 62	120/PUAET-100	100	30	127	37	100x80	80x60xØ9	180
26 14 63	P-120/PUAET-125	125	35	154	45	100x80	80x60xØ9	200
















26 14 65	120/PUAET-160	160	50	200	45	135x110	105x80xØ11	300
26 14 67	120/PUAET-200	200	50	243	50	135x110	105x80xØ11	300

132 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 44	132/PUAE-100	100	30		128	43	100x80	80x60xØ9	250
25 32 45	P-132/PUAE-125	125	35		155	43	100x80	80x60xØ9	350
25 32 24	132/PUAE-125x45	125	45		157	55	138x110	105x80xØ11	500
25 32 47	132/PUAE-160	160	50		203	55	138x110	105x80xØ11	600
25 32 49	132/PUAE-200	200	50		243	60	138x110	105x80xØ11	750














133



								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 33 14	133/PUAE-100	100	30		128	105x85	80x60xØ9	250
25 33 15	P-133/PUAE-125	125	35		155	105x85	80x60xØ9	350
25 33 22	133/PUAE-125x45	125	45		157	138x118	105x80xØ11	500
25 33 17	133/PUAE-160	160	50		203	138x118	105x80xØ11	600
25 33 19	133/PUAE-200	200	50		243	138x118	105x80xØ11	750



132/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 64	132/PUAET-100	100	30		128	38	100x80	80x60xØ9	250
25 32 65	P-132/PUAET-125	125	35		155	45	100x80	80x60xØ9	350



25 32 67	132/PUAET-160	160	50		203	55	138x110	105x80xØ11	600
25 32 69	132/PUAET-200	200	50		243	60	138x110	105x80xØ11	750















25 32 71	132/PUAE/TC-125x45	125	45		157	60	138x110	105x80xØ11	500
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





150 F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 38	150/PUAE-125x45	125	45		182	51	135x110	105x80xØ11	500
25 46 39	150/PUAE-160x50	160	50		215	60	135x110	105x80xØ11	600
25 46 40	150/PUAE-200x50	200	50		252	70	135x110	105x80xØ11	850













151



								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 47 36	151/PUAE-125x45	125	45		182	135x110	105x80xØ11	500
25 47 37	151/PUAE-160x50	160	50		215	135x110	105x80xØ11	600
25 47 38	151/PUAE-200x50	200	50		252	135x110	105x80xØ11	850

150/T F4










									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 48	150/PUAET-125x45	125	45		182	51	135x110	105x80xØ11	500
25 46 49	150/PUAET-160x50	160	50		215	60	135x110	105x80xØ11	600
25 46 50	150/PUAET-200x50	200	50		252	70	135x110	105x80xØ11	850

PUAE

RODAS EM POLIURETANO ELÁSTICO, NÚCLEO EM ALUMÍNIO, COM ROLAMENTO DE ESFERAS

ELASTIC POLYURETHANE WHEELS, ALUMINIUM CENTRE, WITH BALL BEARING

ROUES EN POLYURÉTHANE ELASTIQUE, CORPS EN ALUMINIUM, AVEC ROULEMENT À BILLES










								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg.
10 15 40	PUAE-125VD	125	40	50	20	6204-ZZ		350
10 15 42	PUAE-160VD	160	50	58	20	6204-ZZ		550
10 15 44	PUAE-200VD	200	50	58	20	6204-ZZ		700

DUREZA - 75 Shore A; *HARDNESS* - 75 Shore A; DURETÉ - 75 Shore A
 VELOCIDADE ATÉ 16 KM/H / *SPEED UP TO 16 KM/H* / VITESSE JUSQU' À 16 KM/H












RODÍZIOS / CASTORS / ROULETTES - 138,139,138/T

138 F4

										
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
27 38 10	138/PUAE-125VD	125	40	50	170	70	140x110	105x80xØ11		350
27 38 12	138/PUAE-160VD	160	50	58	205	70	140x110	105x80xØ11		550
27 38 14	138/PUAE-200VD	200	50	58	250	70	140x110	105x80xØ11		700












139

										
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
27 39 10	139/PUAE-125VD	125	40	50	170	70	140x110	105x80xØ11		350
27 39 12	139/PUAE-160VD	160	50	58	205	70	140x110	105x80xØ11		550
27 39 14	139/PUAE-200VD	200	50	58	250	70	140x110	105x80xØ11		700



138/T F4

										
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
27 38 74	138/PUAET-125VD	125	40	50	170	70	140x110	105x80xØ11		350
27 38 76	138/PUAET-160VD	160	50	58	205	70	140x110	105x80xØ11		550
27 38 78	138/PUAET-200VD	200	50	58	250	70	140x110	105x80xØ11		700



PUAE-RED

RODAS EM POLIURETANO ELÁSTICO, PERFIL REDONDO, NÚCLEO EM ALUMÍNIO, COM ROLAMENTO DE ESFERAS

ELASTIC POLYURETHANE WHEELS, ROUND TREAD, ALUMINIUM CENTRE, WITH BALL BEARING

ROUES EN POLYURÉTHANE ELASTIQUE, PROFIL ROND, CORPS EN ALUMINIUM, AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg.
10 15 45	PUAE-125VD-RED	125	40	50	20	6204-ZZ		350
10 15 47	PUAE-160VD-RED	160	50	58	20	6204-ZZ		550
10 15 48	PUAE-200VD-RED	200	50	58	20	6204-ZZ		700

DUREZA - 75 Shore A; *HARDNESS* - 75 Shore A; DURETÉ - 75 Shore A
VELOCIDADE ATÉ 16 KM/H / *SPEED UP TO 16 KM/H* / VITESSE JUSQU' À 16 KM/H

RODÍZIOS / CASTORS / ROULETTES - 138,139,138/T

138 F4



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 38 02	138/PUAE-125VD-RED	125	40	50	170	70	140x110	105x80xØ11	350
27 38 04	138/PUAE-160VD-RED	160	50	58	205	70	140x110	105x80xØ11	550
27 38 05	138/PUAE-200VD-RED	200	50	58	250	70	140x110	105x80xØ11	700

139



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 39 06	139/PUAE-125VD-RED	125	40	50	170	70	140x110	105x80xØ11	350
27 39 08	139/PUAE-160VD-RED	160	50	58	205	70	140x110	105x80xØ11	550
27 39 09	139/PUAE-200VD-RED	200	50	58	250	70	140x110	105x80xØ11	700

138/T F4














Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 38 06	138/PUAET-125VD-RED	125	40	50	170	70	140x110	105x80xØ11	350
27 38 08	138/PUAET-160VD-RED	160	50	58	205	70	140x110	105x80xØ11	550
27 38 09	138/PUAET-200VD-RED	200	50	58	250	70	140x110	105x80xØ11	700

PUFA

RODAS EM POLIURETANO VAZADO, NÚCLEO EM FERRO FUNDIDO

WHEELS POLYURETHANE TREAD, CAST IRON CENTRE








ROUES EN POLYURÉTHANE COULÉ, CORPS EN FONTE

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 28 36	PUFA-100	100	35	37	12		250
10 28 42	PUFA-125	125	40	48	15		400
10 28 51	PUFA-150	150	45	54	20		600
10 28 60	PUFA-200	200	50	57	20		800

DUREZA - 94 Shore A; HARDNESS - 94 Shore A; DURETÉ - 94 Shore A



PUFE

								
Código/Code	Ref.	Fig.	mm	mm	mm	mm		Kg
10 29 39	PUFE-100x38	2	100	38	40	15	6202-ZZ	380
10 29 40	PUFE-125x40	1	125	40	48	15	6202-ZZ	400
10 29 38	PUFE-125x50.20	2	125	50	55	20	6204-ZZ	550
10 29 41	PUFE-150x30.15	2	150	30	36	15	6202-ZZ	400
10 29 42	PUFE-150x50.20	2	150	50	55	20	6204-ZZ	750
10 29 43	PUFE-180x50	2	180	50	55	20	6204-ZZ	900
10 29 44	PUFE-200x50.20	1	200	50	57	20	6204-ZZ	1000
10 29 45	PUFE-200x50.25	1	200	50	57	25	6005-ZZ	1000
10 29 46	PUFE-200x50.30	1	200	50	57	30	6006-ZZ	1000
10 29 60	PUFE-200x75	1	200	75	75	25	6205-ZZ	1500
10 29 65	PUFE-250x75	1	250	75	75	25	6205-ZZ	1800
10 29 69	PUFE-300x50	2	300	50	60	30	6305-ZZ	1400
10 29 72	PUFE-300x60	2	300	60	70	30	6206-ZZ	1800
10 29 73	PUFE-300x75	1	300	75	75	30	6206-ZZ	2300
10 29 70	PUFE-300x100	2	300	100	100	35	6208-ZZ	2800
10 29 74	PUFE-400x100	2	400	100	100	40	6308-ZZ	3500

DUREZA - 94 Shore A; HARDNESS - 94 Shore A; DURETÉ - 94 Shore A



FIG.1

















FIG.2

PUFS

RODAS EM POLIURETANO VAZADO, NÚCLEO EM FERRO FUNDIDO, COM CUBO LISO

WHEELS POLYURETHANE TREAD, CAST IRON CENTRE, WITH PLAIN BEARING

ROUES EN POLYURÉTHANE COULÉ, CORPS EN FONTE, AVEC MOYEU LISSE

								
Código/Code	Ref.	Fig.	mm	mm	mm	mm		Kg
10 29 21	PUFS-150x50.20	1	150	50	55	20		700
10 29 04	PUFS-200x50.20	1	200	50	57	20		950
10 29 02	PUFS-200x75.35	1	200	75	75	35		1400
10 29 07	PUFS-250x75.40	1	250	75	75	40		1500
10 29 09	PUFS-300x75.50	1	300	75	75	50		1800
10 29 10	PUFS-300x100.60	2	300	100	100	60		2700
10 29 15	PUFS-400x100.60	2	400	100	100	60		3400

DUREZA - 94 Shore A; HARDNESS - 94 Shore A; DURETÉ - 94 Shore A

OUTROS DIÂMETROS DE FURO E COM ESCATEL PODEM SER FORNECIDOS SOB CONSULTA

OTHER HUB DIAMETERS, WITH OR WITHOUT SLOT ARE AVAILABLE BY REQUEST

AUTRES DIAMÈTRE DU TROU AVEC ET SANS CLAVETTE PEUVENT ÊTRE FOURNIS SUR DEMANDE



FIG.1



FIG.2

128 F4















Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
25 46 11	128/PUL-100		100	35	140	37	97x80	75x55xØ10	250
25 46 12	128/PUL-125		125	40	160	50	136x120	108x78xØ11	350
25 46 13	128/PUL-150		150	45	190	50	136x120	108x78xØ11	600
25 46 14	128/PUL-200		200	50	240	60	136x120	108x78xØ11	750
25 46 19	128/PUFE-125x40		125	40	160	50	136x120	108x78xØ11	450
25 46 21	128/PUFE-150x50		150	50	215	60	136x120	108x78xØ11	600
25 46 22	128/PUFE-200x50		200	50	240	60	136x120	108x78xØ11	750

129




Código/Code		Ref.	mm	mm	mm	mm	mm	Kg
25 47 11	129/PUL-100		100	35	140	97x80	75x55xØ10	250
25 47 12	129/PUL-125		125	40	160	136x120	108x78xØ11	350
25 47 13	129/PUL-150		150	45	190	136x120	108x78xØ11	600
25 47 14	129/PUL-200		200	50	240	136x120	108x78xØ11	750
25 47 19	129/PUFE-125x40		125	40	160	136x120	108x78xØ11	450
25 47 21	129/PUFE-150x50		150	50	215	136x120	108x78xØ11	600
25 47 22	129/PUFE-200x50		200	50	240	136x120	108x78xØ11	750

150 F4












										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 46 24	150/PUFE-125x50	125	50		182	51	135x110	105x80xØ11	550	
25 46 25	150/PUFE-150x50	150	50		210	60	135x110	105x80xØ11	750	
25 46 26	150/PUFE-200x50	200	50		252	70	135x110	105x80xØ11	1000	



25 46 15	150/PUFE-80x70	80	70		130	55	135x110	105x80xØ11	700
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










151

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 47 28	151/PUFE-125x50	125	50		182	51	135x110	105x80xØ11	550
25 47 29	151/PUFE-150x50	150	50		210	60	135x110	105x80xØ11	750
25 47 30	151/PUFE-200x50	200	50		252	70	135x110	105x80xØ11	1000















150/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 29	150/PUFET-125x50	125	50		182	51	135x110	105x80xØ11	550
25 46 30	150/PUFET-150x50	150	50		210	60	135x110	105x80xØ11	750
25 46 31	150/PUFET-200x50	200	50		252	70	135x110	105x80xØ11	1000















154 F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 56 66	154/PUFE-200x75	200	75		275	65	175x140	140x105xØ14	1500
25 56 71	154/PUFE-250x75	250	75		320	74	175x140	140x105xØ14	1800
25 56 72	154/PUFE-300x60	300	60		360	81	175x140	140x105xØ14	1800
25 56 70	154/PUFE-300x75	300	75		360	81	175x140	140x105xØ14	2300













155

















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 57 26	155/PUFE-200x75	200	75		275		175x140	140x105xØ14	1500
25 57 27	155/PUFE-250x75	250	75		320		175x140	140x105xØ14	1800
25 57 28	155/PUFE-300x60	300	60		360		175x140	140x105xØ14	1800
25 57 29	155/PUFE-300x75	300	75		360		175x140	140x105xØ14	2300

154/T F4

















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 56 75	154/PUFET-200x75	200	75		275	65	175x140	140x105xØ14	1500
25 56 76	154/PUFET-250x75	250	75		320	74	175x140	140x105xØ14	1800
25 56 77	154/PUFET-300x60	300	60		360	81	175x140	140x105xØ14	1800
25 56 78	154/PUFET-300x75	300	75		360	81	175x140	140x105xØ14	2300

154 F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 56 17	154/PUFE-200 D	200	75+75		280	55	250x200	210x160xØ17		3000
25 56 18	154/PUFE-250 D	250	75+75		320	62	250x200	210x160xØ17		3500
25 56 19	154/PUFE-300 D	300	75+75		416	85	270x270	210x180xØ17		4000
25 56 20	154/PUFE-400 D	400	100+100		500	100	270x270	210x180xØ17		7000



155

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 57 17	155/PUFE-200 D	200	75+75		280		250x200	210x160xØ17		3000
25 57 18	155/PUFE-250 D	250	75+75		320		250x200	210x160xØ17		3500
25 57 19	155/PUFE-300 D	300	75+75		416		270x270	210x180xØ17		4000
25 57 20	155/PUFE-400 D	400	100+100		500		270x270	210x180xØ17		7000

















1/NS

RODAS EM POLIAMIDA COM CUBO LISO

POLYAMIDE WHEELS WITH PLAIN BEARING

ROUES EN POLYAMIDE AVEC MOYEU LISSE



								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 01 32	1/NS-80x40.12	80	40	44	12			180
11 01 35	1/NS-80x40.14	80	40	44	14			180
11 01 33	1/NS-80	80	30	37	12			170
11 01 36	1/NS-100.12	100	32	37	12			300
11 01 42	1/NS-125	125	40	48	15			400
11 01 51	1/NS-150	150	45	57	20			450
11 01 71	1/NS-200x50	200	50	57	20			700

DUREZA - 70 Shore D; *HARDNESS* - 70 Shore D; DURETÉ - 70 Shore D



















1/N

RODAS EM POLIAMIDA COM ROLAMENTO DE ROLOS

POLYAMIDE WHEELS WITH ROLLER BEARING

ROUES EN POLYAMIDE AVEC ROULEMENT À ROULEAUX



								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 03 33	1/N-80	80	30	37	12			170
11 03 36	1/N-100	100	35	37	12			300
11 03 42	1/N-125	125	40	48	15			400
11 03 51	1/N-150	150	45	57	20			450
11 03 60	1/N-200	200	50	57	20			500
11 03 61	1/N-80	80	30	37	12			170
11 03 62	1/N-100	100	35	37	12			300
11 03 63	1/N-125	125	40	48	15			400











DUREZA - 70 Shore D; *HARDNESS* - 70 Shore D; DURETÉ - 70 Shore D

1/NS - REF

RODAS REFORÇADAS EM POLIAMIDA COM CUBO LISO

POLYAMIDE WHEELS REINFORCED WITH PLAIN BEARING

ROUES REFORCÉES EN POLYAMIDE AVEC MOYEU LISSE

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
11 01 34	1/NS-80x30.15	80	30	40	15		250
11 01 48	1/NS-100x35.15	100	35	40	15		400
11 01 46	1/NS-125x40.15	125	40	50	15		450

DUREZA - 70 Shore D; HARDNESS - 70 Shore D; DURETÉ - 70 Shore D














1/NM

RODAS REFORÇADAS EM POLIAMIDA COM ROLAMENTOS DE ROLOS

POLYAMIDE WHEELS REINFORCED WITH ROLLER BEARING

ROUES REFORCÉES EN POLYAMIDE AVEC ROULEMENT À ROULEAUX

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
11 04 36	1/NM-100	100	32	37	12		350
11 04 42	1/NM-125	125	40	48	15		450
11 04 51	1/NM-150	150	45	57	20		600
11 04 60	1/NM-200	200	50	57	20		700

DUREZA - 70 Shore D; HARDNESS - 70 Shore D; DURETÉ - 70 Shore D















1/NME - NYNE

RODAS REFORÇADAS EM POLIAMIDA COM ROLAMENTOS DE ESFERAS

POLYAMIDE WHEELS REINFORCED WITH BALL BEARING

ROUES REFORCÉES EN POLYAMIDE AVEC ROULEMENT À BILLES






















							
Código/Code	Ref.	mm	mm	mm	mm		Kg
11 10 82	1/NME-125	125	40	48	15		450
11 06 54	NYNE-125x45.20R	125	45	57	20		750
11 06 55	NYNE-160x50.20R	160	50	57	20		900
11 06 59	NYNE-200x50.20R	200	50	57	20		1000
11 06 62	NYNE-200x50.25R	200	50	57	25		1000

DUREZA - 70 Shore D; HARDNESS - 70 Shore D; DURETÉ - 70 Shore D



120 F4























										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 12 61	120/NS-80	80	30		107	31	100x80	80x60xØ9	150	
25 12 62	120/NS-100	100	32		127	37	100x80	80x60xØ9	180	
25 12 63	P-120/NS-125	125	40		154	41	100x80	80x60xØ9	200	
25 12 64	120/NS-125	125	40		156	50	135x110	105x80xØ11	200	
25 12 65	120/NS-150	150	45		195	45	135x110	105x80xØ11	300	
25 12 66	120/NS-200	200	50		243	50	135x110	105x80xØ11	300	
25 12 71	120/N-80	80	30		107	31	100x80	80x60xØ9	150	
25 12 72	120/N-100	100	35		127	37	100x80	80x60xØ9	180	
25 12 73	P-120/N-125	125	40		154	41	100x80	80x60xØ9	200	
25 12 74	120/N-125	125	40		156	50	135x110	105x80xØ11	200	
25 12 75	*120/N-150	150	45		195	45	135x110	105x80xØ11	300	
25 12 76	*120/N-200	200	50		243	50	135x110	105x80xØ11	300	

* Fornecidos sem blindagens anti-fio / Supplied without threadguards / Sont fournies sans pare-fils

125






















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 13 61	125/NS-80	80	30		107	105x85	80x60xØ9	150	
25 13 62	125/NS-100	100	32		127	105x85	80x60xØ9	180	
25 13 63	P-125/NS-125	125	40		154	105x85	80x60xØ9	200	
25 13 64	125/NS-125	125	40		156	140x110	105x80xØ11	200	
25 13 65	125/NS-150	150	45		195	140x110	105x80xØ11	300	
25 13 66	125/NS-200	200	50		243	140x110	105x80xØ11	300	
25 13 71	125/N-80	80	30		107	105x85	80x60xØ9	150	
25 13 72	125/N-100	100	35		127	105x85	80x60xØ9	180	
25 13 73	P-125/N-125	125	40		154	105x85	80x60xØ9	200	
25 13 74	125/N-125	125	40		156	140x110	105x80xØ11	200	
25 13 75	*125/N-150	150	45		195	140x110	105x80xØ11	300	
25 13 76	*125/N-200	200	50		243	140x110	105x80xØ11	300	












* Fornecidos sem blindagens anti-fio / Supplied without threadguards / Sont fournies sans pare-fils

120/T F4






										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
26 16 20	120/NST-80	80	30		107	31	100x80	80x60xØ9	150	
26 16 21	120/NST-100	100	32		127	37	100x80	80x60xØ9	180	
26 16 22	P-120/NST-125	125	40		154	45	100x80	80x60xØ9	200	
26 16 30	120/NT-80	80	30		107	31	100x80	80x60xØ9	150	
26 16 31	120/NT-100	100	35		127	37	100x80	80x60xØ9	180	
26 16 32	P-120/NT-125	125	40		154	45	100x80	80x60xØ9	200	
26 16 24	120/NST-150	150	45		195	45	135x110	105x80xØ11	300	
26 16 23	120/NST-200	200	50		243	50	135x110	105x80xØ11	300	
26 12 71	120/NT-150	150	45		195	45	135x110	105x80xØ11	300	
26 12 70	120/NT-200	200	50		243	50	135x110	105x80xØ11	300	












120 F1

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
25 16 16	120/NS-80 F1	80	30		107	31	12		150
25 16 17	120/NS-100 F1	100	32		127	37	12		180
25 16 18	120/NS-125 F1	125	40		152	41	12		200






25 16 21	120/N-80 F1	80	30		107	31	12		150
25 16 22	120/N-100 F1	100	35		127	37	12		180
25 16 23	120/N-125 F1	125	40		154	41	12		200

120/T F1

									
Código/Code	Ref.	mm	mm		mm	mm			Kg
26 16 25	120/NST-80 F1	80	30		107	31	12		150
26 16 26	120/NST-100 F1	100	32		127	37	12		180
26 16 27	120/NST-125 F1	125	40		152	45	12		200



26 16 35	120/NT-80 F1	80	30		107	31	12		150
26 16 36	120/NT-100 F1	100	35		127	37	12		180
26 16 37	120/NT-125 F1	125	40		154	45	12		200

132 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 32 25	132/NM-100	100	32		128	43	100x80	80x60xØ9	250	
25 32 26	P-132/NM-125	125	40		155	43	100x80	80x60xØ9	350	
25 32 27	132/NM-150	150	45		198	55	138x110	105x80xØ11	500	
25 32 28	132/NM-200	200	50		243	60	138x110	105x80xØ11	700	
25 32 94	P-132/NME-125	125	40		155	43	100x80	80x60xØ9	400	
25 34 01	132/NE-125x45	125	45		157	55	138x110	105x80xØ11	500	
25 34 03	132/NE-125x45REF	125	45		164	55	138x110	105x80xØ11	700	
25 34 05	132/NE-160	160	50		203	55	138x110	105x80xØ11	750	
25 34 07	132/NE-200	200	50		243	60	138x110	105x80xØ11	750	

133



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 33 61	133/NM-100	100	32		128	105x85	80x60xØ9	250	
25 33 62	P-133/NM-125	125	40		155	105x85	80x60xØ9	350	
25 33 63	133/NM-150	150	45		198	138x118	105x80xØ11	500	
25 33 64	133/NM-200	200	50		243	138x118	105x80xØ11	700	
25 33 66	P-133/NME-125	125	40		155	105x85	80x60xØ9	400	
25 33 68	133/NE-125x45	125	45		157	138x118	105x80xØ11	500	
25 33 60	133/NE-125x45REF	125	45		164	138x118	105x80xØ11	700	
25 33 69	133/NE-160	160	50		203	138x118	105x80xØ11	750	
25 33 70	133/NE-200	200	50		243	138x118	105x80xØ11	750	

132/T F4















Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 32 75	132/NMT-100	100	32		128	38	100x80	80x60xØ9	250
25 32 76	P-132/NMT-125	125	40		155	45	100x80	80x60xØ9	350
25 32 95	P-132/NMET-125	125	40		155	45	100x80	80x60xØ9	400



25 32 77	132/NMT-150	150	45		198	55	138x110	105x80xØ11	500
25 32 78	132/NMT-200	200	50		243	60	138x110	105x80xØ11	700
25 34 06	132/NET-160	160	50		203	55	138x110	105x80xØ11	750
25 34 08	132/NET-200	200	50		243	60	138x110	105x80xØ11	750












RODÍZIOS / CASTORS / ROULETTES - 128,129

128 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 61	128/NM-100	100	32		140	37	97x80	75x55xØ10	350
25 46 62	128/NM-125	125	40		160	50	136x120	108x78xØ11	350
25 46 63	128/NM-150	150	45		190	50	136x120	108x78xØ11	500
25 46 64	128/NM-200	200	50		240	60	136x120	108x78xØ11	700














129

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 47 61	129/NM-100	100	32		140	97x80	75x55xØ10	350
25 47 62	129/NM-125	125	40		160	136x120	108x78xØ11	350
25 47 63	129/NM-150	150	45		190	136x120	108x78xØ11	500
25 47 64	129/NM-200	200	50		240	136x120	108x78xØ11	700













RODÍZIOS / CASTORS / ROULETTES - 150,151, 150/T

150 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 41	150/NE-125x45	125	45		182	51	135x110	105x80xØ11	750
25 46 42	150/NE-160x50	160	50		215	60	135x110	105x80xØ11	900
25 46 43	150/NE-200x50	200	50		252	70	135x110	105x80xØ11	1000














151

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 47 33	151/NE-125x45	125	45		182	135x110	105x80xØ11	750
25 47 34	151/NE-160x50	160	50		215	135x110	105x80xØ11	900
25 47 35	151/NE-200x50	200	50		252	135x110	105x80xØ11	1000




















150/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 45	150/NET-125x45	125	45		182	51	135x110	105x80xØ11	750
25 46 46	150/NET-160x50	160	50		215	60	135x110	105x80xØ11	900
25 46 47	150/NET-200x50	200	50		252	70	135x110	105x80xØ11	1000



















118 F4 INOX



										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 21 01	118/NS-80 F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 02	118/NS-100 F4/1	100	32		125	37	100x80	80x60xØ9	180	
27 21 03	118/NS-125 F4/1	125	40		152	41	100x80	80x60xØ9	220	
27 12 04	118/NS-150 F4	150	45		194	56	140x110	105x80xØ11	300	
27 12 06	118/NS-200 F4	200	50		240	56	140x110	105x80xØ11	300	
27 23 61	118/N-80 F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 23 63	118/N-100 F4/1	100	35		125	37	100x80	80x60xØ9	180	
27 23 65	118/N-125 F4/1	125	40		152	41	100x80	80x60xØ9	220	
















119 INOX





									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
27 22 30	119/NS-80/1	80	30		105	105x85	80x60xØ9	150	
27 22 31	119/NS-100/1	100	32		125	105x85	80x60xØ9	180	
27 22 32	119/NS-125/1	125	40		152	105x85	80x60xØ9	220	
27 13 04	119/NS-150	150	45		194	140x110	105x80xØ11	300	
27 13 06	119/NS-200	200	50		240	140x110	105x80xØ11	300	
27 22 27	119/N-80/1	80	30		105	105x85	80x60xØ9	150	
27 22 28	119/N-100/1	100	35		125	105x85	80x60xØ9	180	
27 22 29	119/N-125/1	125	40		152	105x85	80x60xØ9	220	

118/T F4 INOX



















										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
27 21 06	118/NST-80 F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 21 07	118/NST-100 F4/1	100	32		125	37	100x80	80x60xØ9	180	
27 21 08	118/NST-125 F4/1	125	40		152	45	100x80	80x60xØ9	220	
27 23 62	118/NT-80 F4/1	80	30		105	31	100x80	80x60xØ9	150	
27 23 64	118/NT-100 F4/1	100	35		125	37	100x80	80x60xØ9	180	
27 23 66	118/NT-125 F4/1	125	40		152	45	100x80	80x60xØ9	220	

















27 12 14	118/NST-150 F4	150	45		194	56	140x110	105x80xØ11	300
27 12 16	118/NST-200 F4	200	50		240	56	140x110	105x80xØ11	300

118 F1 INOX



								
Código/Code	Ref.	mm	mm		mm	mm		Kg
27 21 10	118/NS-80 F1/1	80	30		105	31	12	150
27 21 11	118/NS-100 F1/1	100	32		125	37	12	180
27 21 12	118/NS-125 F1/1	125	40		152	41	12	220
27 12 34	118/NS-150 F1	150	45		188	56	20	300
27 12 36	118/NS-200 F1	200	50		236	56	20	300
27 23 67	118/N-80 F1/1	80	30		105	31	12	150
27 23 69	118/N-100 F1/1	100	35		125	37	12	180
27 23 71	118/N-125 F1/1	125	40		152	41	12	220



118/T F1 INOX

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
27 21 15	118/NST-80 F1/1	80	30		105	31	12	150
27 21 16	118/NST-100 F1/1	100	32		125	37	12	180
27 21 17	118/NST-125 F1/1	125	40		152	45	12	220
27 23 68	118/NT-80 F1/1	80	30		105	31	12	150
27 23 70	118/NT-100 F1/1	100	35		125	37	12	180
27 23 72	118/NT-125 F1/1	125	40		152	45	12	220



27 12 44	118/NST-150 F1	150	45		188	56	20	300
27 12 46	118/NST-200 F1	200	50		236	56	20	300



1/PNS

RODAS EM POLIPROPILENO CINZA

GREY POLYPROPYLENE WHEELS

ROUES EN POLYPROPYLENE GRIS



Código/Code	Ref.	mm	mm	mm	mm		Kg
11 11 38	1/PNS-80CZ	80	30	37	12		120
11 11 39	1/PNS-100CZ	100	32	37	12		150
11 11 42	1/PNS-125CZ	125	40	48	15		180
11 11 51	1/PNS-150.13CZ	150	45	57	13		210
11 11 52	1/PNS-150.15CZ	150	45	57	15		210

DUREZA - 65 Shore D; *HARDNESS* - 65 Shore D; DURETÉ - 65 Shore D


















1/PNA



Código/Code	Ref.	mm	mm	mm	mm		Kg
11 13 33	1/PNA-80CZ	80	30	37	12		120
11 13 36	1/PNA-100CZ	100	35	37	12		150
11 13 42	1/PNA-125CZ	125	40	48	15		180
11 13 51	1/PNA-150CZ	150	45	57	20		210
11 13 60	1/PNA-200CZ	200	50	57	20		240

















DUREZA - 65 Shore D; *HARDNESS* - 65 Shore D; DURETÉ - 65 Shore D

120 F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 14 66	120/PNS-80CZ	80	30		107	31	100x80	80x60xØ9	120	
25 14 67	120/PNS-100CZ	100	35		127	37	100x80	80x60xØ9	150	
25 14 68	P-120/PNS-125CZ	125	40		154	41	100x80	80x60xØ9	180	
25 14 71	120/PNA-80CZ	80	30		107	31	100x80	80x60xØ9	120	
25 14 72	120/PNA-100CZ	100	35		127	37	100x80	80x60xØ9	150	
25 14 73	P-120/PNA-125CZ	125	40		154	41	100x80	80x60xØ9	180	
25 14 75	120/PNA-150CZ	150	45		195	45	135x110	105x80xØ11	210	
25 14 76	120/PNA-200CZ	200	50		243	50	135x110	105x80xØ11	240	


















125



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 15 66	125/PNS-80CZ	80	30		107		105x85	80x60xØ9	120
25 15 67	125/PNS-100CZ	100	35		127		105x85	80x60xØ9	150
25 15 68	P-125/PNS-125CZ	125	40		154		105x85	80x60xØ9	180
25 15 71	125/PNA-80CZ	80	30		107		105x85	80x60xØ9	120
25 15 72	125/PNA-100CZ	100	35		127		105x85	80x60xØ9	150
25 15 73	P-125/PNA-125CZ	125	40		154		105x85	80x60xØ9	180
25 15 75	125/PNA-150CZ	150	45		195		140x110	105x80xØ11	210
25 15 76	125/PNA-200CZ	200	50		243		140x110	105x80xØ11	240



120/T F4

										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
25 14 87	120/PNST-80CZ	80	30		107	31	100x80	80x60xØ9	120	
25 14 88	120/PNST-100CZ	100	35		127	37	100x80	80x60xØ9	150	
25 14 89	P-120/PNST-125CZ	125	40		154	45	100x80	80x60xØ9	180	
26 16 40	120/PNAT-80CZ	80	30		107	31	100x80	80x60xØ9	120	
26 16 41	120/PNAT-100CZ	100	35		127	37	100x80	80x60xØ9	150	
26 16 42	P-120/PNAT-125CZ	125	40		154	45	100x80	80x60xØ9	180	



25 14 85	120/PNAT-150CZ	150	45		195	45	135x110	105x80xØ11	210
25 14 86	120/PNAT-200CZ	200	50		243	50	135x110	105x80xØ11	240




















1/F

RODAS EM FERRO FUNDIDO, COM ROLAMENTO DE ROLOS

CAST IRON WHEELS, WITH ROLLER BEARING

ROUES EN FONTE, AVEC ROULEMENT À ROULEAUX
















								
Código/Code	Ref.	mm	mm	mm	mm			Kg
12 03 33	1/F-80	80	35	37	12			200
12 03 36	1/F-100	100	35	37	12			400
12 03 42	1/F-125	125	40	48	15			500
12 03 51	1/F-150	150	45	54	20			800
12 03 60	1/F-200	200	50	57	20			1000

RODÍZIOS / CASTORS / ROULETTES - 120,125













120 F4
















									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 12 81	120/FF-80	80	35		107	31	100x80	80x60xØ9	150
25 12 82	120/FF-100	100	35		127	37	100x80	80x60xØ9	180
25 12 84	120/FF-125	125	40		156	50	135x110	105x80xØ11	200
25 12 85	120/FF-150	150	45		195	45	135x110	105x80xØ11	300
25 12 86	120/FF-200	200	50		243	50	135x110	105x80xØ11	300

125















								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
25 13 81	125/FF-80	80	35		107	105x85	80x60xØ9	150
25 13 82	125/FF-100	100	35		127	105x85	80x60xØ9	180
25 13 84	125/FF-125	125	40		156	140x110	105x80xØ11	200
25 13 85	125/FF-150	150	45		195	140x110	105x80xØ11	300
25 13 86	125/FF-200	200	50		243	140x110	105x80xØ11	300

128 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
25 46 81	128/FF-100	100	35		140	37	97x80	75x55xØ10	350
25 46 82	128/FF-125	125	40		160	50	136x120	108x78xØ11	400
25 46 83	128/FF-150	150	45		190	50	136x120	108x78xØ11	600
25 46 84	128/FF-200	200	50		240	60	136x120	108x78xØ11	750



129

									
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg	
25 47 81	129/FF-100	100	35		140		97x80	75x55xØ10	350
25 47 82	129/FF-125	125	40		160		136x120	108x78xØ11	400
25 47 83	129/FF-150	150	45		190		136x120	108x78xØ11	600
25 47 84	129/FF-200	200	50		240		136x120	108x78xØ11	750



120 F4

RODAS PNEUMÁTICAS / PNEUMATIC WHEELS / ROUES PNEUMATIQUES



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 12 96	120/PNPE-200/1	200	50		243	50	135x110	105x80xØ11	75	



25 12 92	120/PNEE-260/1	260	85		298	85	190x170	150x135xØ16	200
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26 12 38	120/PNNA-260	260	85		298	85	190x170	150x135xØ16	150
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125



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg	
25 13 96	125/PNPE-200/1	200	50		243	140x110	105x80xØ11	75		



25 13 97	125/PNEE-260 /1	260	85		298	190x140	150x75xØ16	200
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25 13 99	125/PNNA-260	260	85		298	190x140	150x75xØ16	150
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PNPE

RODAS PNEUMÁTICAS, JANTE EM POLIPROPILENO, COM ROLAMENTO DE ESFERAS
 PNEUMATIC WHEELS, POLYPROPYLENE RIM, WITH BALL BEARING
 ROUES PNEUMATIQUES, JANTE EN POLYPROPYLENE, AVEC ROULEMENT À BILLES

PNEE

RODAS PNEUMÁTICAS, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ESFERAS
 PNEUMATIC WHEELS, METALLIC RIM COVERED WITH ZINC, WITH BALL BEARING
 ROUES PNEUMATIQUES, JANTE MÉTALLIQUE ZINGUÉE, AVEC ROULEMENT À BILLES

PNNA

RODAS PNEUMÁTICAS, JANTE EM POLIPROPILENO, COM ROLAMENTO DE ROLOS
 PNEUMATIC WHEELS, POLYPROPYLENE RIM, WITH ROLLER BEARING
 ROUES PNEUMATIQUES, JANTE EN POLYPROPYLENE, AVEC ROULEMENT À ROULEAUX

PUTE

RODAS EM POLIURETANO INJECTADO TRANSPARENTE, NÚCLEO EM TERMOACRILICO, COM ROLAMENTO DE ESFERAS

CLEAR INJECTED POLYURETHANE TREAD, ACRYLIC PLASTIC CENTRE, WITH BALL BEARING

ROUES EN POLYURÉTHANE INJECTÉ TRANSPARENT, CORPS EN THERMOACRYLIQUE, ROULEMENT À BILLES

Código/Code		Ref.	mm	mm	mm	mm	mm	Kg
10 27 04		PUTE-75	75	23	30	8	608-ZZ	60

DUREZA - 95 Shore A; HARDNESS - 95 Shore A; DURETÉ - 95 Shore A



RODÍZIOS / CASTORS / ROULETTES - 30,31,30/T

30 F4

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
16 30 98		30/PUTE-75 F4/2	75	23	95	28	60x60	43x43xØ6	60



31

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
16 31 19		31/PUTE-75/2	75	23	95	60x60	43x43xØ6	60	



30/T F4

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
16 30 99		30/PUTET-75 F4/2	75	23	95	33	60x60	43x43xØ6	60



30 F1

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
16 30 94		30/PUTE-75 F1	75	23	94	28	10	60	



30/T F1

Código/Code		Ref.	mm	mm	mm	mm	mm	mm	Kg
16 30 95		30/PUTET-75 F1	75	23	94	33	10	60	

















BIPS

RODAS EM BORRACHA INJETADA, NÚCLEO EM POLIPROPILENO, COM CUBO LISO

INJECTED RUBBER WHEELS, POLYPROPYLENE CENTRE, WITH PLAIN HUB

ROUES EN CAOUTCHOUC INJECTÉ, CORPS EN POLYPROPYLENE, AVEC MOYEU LISSE



							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 25 41	BIPS-32	32	15	18	5		25
10 25 43	BIPS-41	41	19	21	5		25
10 25 40	BIPS-50x21.05	50	21	23	5		50
10 25 39	BIPS-50.08	50	19	21	8		50
10 25 44	BIPS-75	75	23	27	8		60
10 25 48	BIPS-100x25	100	25	27	8		60
10 25 45	BIPS-100x32	100	32	37	12		80
10 25 46	BIPS-125x32	125	32	37	12		100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A









BIPE

RODAS EM BORRACHA INJETADA, NÚCLEO EM POLIPROPILENO, COM ROLAMENTO DE ESFERAS

INJECTED RUBBER WHEELS, POLYPROPYLENE CENTRE, WITH BALL BEARING





ROUES EN CAOUTCHOUC INJECTÉ, CORPS EN POLYPROPYLENE, AVEC ROULEMENT À BILLES



							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 27 05	BIPE-50	50	20	25	5		50
10 27 07	BIPE-75	75	23	32	6		60













DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A



10 27 03	BIPE-80	80	30	39	8		100
10 27 09	BIPE-100/1	100	32	39	8		100
10 27 15	BIPE-125/1	125	32	37	8		100
10 27 29	BIPE-150	150	32	37	8		100












DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

30L F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 30 09	30L/BIS-32 F4	32	15		44	19	38x38	28x28xØ5	25
16 30 14	30L/BIS-41 F4	41	19		56	23	38x38	28x28xØ5	25
16 30 15	30L/BIS-50 F4	50	19		64	18	38x38	28x28xØ5	35



30L F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
16 30 08	30L/BIS-32 F1	32	15		45	19	6	25
16 30 12	30L/BIS-41 F1	41	19		57	23	6	25
16 30 11	30L/BIS-50 F1	50	19		65	18	6	35



30 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
15 30 10	30/BIS-50 F4/2	50	21		69	22	60x60	43x43xØ6	45	
15 30 29	*30/BIS-75 F4/2	75	23		95	28	60x60	43x43xØ6	60	
15 30 12	30/BIS-100x25 F4	100	25		127	37	57x57	43x43xØ6	60	

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

31



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
16 31 13	*31/BIS-75/2	75	23		95	60x60	43x43xØ6	60		

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

30/T F4














Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
15 30 11	30/BIST-50 F4/2	50	21		69	22	60x60	43x43xØ6	45	
15 30 30	*30/BIST-75 F4/2	75	23		95	33	60x60	43x43xØ6	60	

Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



15 30 31	30/BIST-100 F4	100	25		127	37	57x57	43x43xØ6	60
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







30 F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
16 30 23	30/BIS-50 F1/1	50	21		68	22	10	45
16 30 24	*30/BIS-75/1	75	23		94	28	10	60
15 30 04	30/BIS-100x25 F1	100	25		122	37	10	60

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



30/T F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
16 30 32	30/BIST-50 F1/1	50	21		68	22	10	45
16 30 33	*30/BIST-75 F1/1	75	23		94	33	10	60












*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



15 30 25	30/BIST-100 F1	100	25		122	37	10	60
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30 F2

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
16 30 25	30/BIS-50 F2/1	50	21		68	22	M10x20	45
16 30 26	*30/BIS-75 F2/1	75	23		94	28	M10x20	60
15 30 08	30/BIS-100x25 F2	100	25		122	37	M10x14	60

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



30/T F2

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
16 30 34	30/BIST-50 F2/1	50	21		68	22	M10x20	45
16 30 35	*30/BIST-75 F2/1	75	23		94	33	M10x20	60

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils



15 30 28	30/BIST-100 F2	100	25		122	37	M10x14	60
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RODÍZIOS / CASTORS / ROULETTES - 30, 30/T

30 F5



Código/Code	Ref.								
		mm	mm		mm	mm	mm	mm	Kg
16 30 29	30/BIS-50 F5/1	50	21		74	22	**Ø10.5x28	45	
16 30 30	*30/BIS-75 F5/1	75	23		100	28	**Ø10.5x28	60	
15 30 16	30/BIS-100x25 F5	100	37		128	37	**Ø10.5x28	60	

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

**Casquilhos para montagem - ver abaixo / Bushes for mounting - see below / Douilles pour montage - voir ci-dessous

30/T F5



Código/Code	Ref.								
		mm	mm		mm	mm	mm	mm	Kg
16 30 38	30/BIST-50 F5/1	50	21		74	22	**Ø10.5x28	45	
16 30 39	*30/BIST-75 F5	75	23		100	33	**Ø10.5x28	60	

*Fornecidos com blindagens anti-fio / Supplied with threadguards / Sont fournies avec pare-fils

**Casquilhos para montagem - ver abaixo / Bushes for mounting - see below / Douilles pour montage - voir ci-dessous

15 30 34	30/BIST-100 F5	100	25		128	37	**Ø10.5x28	60
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**Casquilhos para montagem - ver abaixo / Bushes for mounting - see below / Douilles pour montage - voir ci-dessous

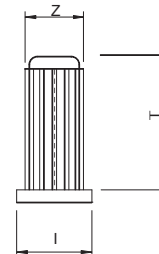
CASQUILHOS / BUSHES / DOUILLES CNR

CASQUILHOS EM POLIAMIDA PARA MONTAGEM DOS RODÍZIOS "F5"

POLYAMIDE BUSHINGS FOR MOUNTING CASTERS "F5"

DOUILLES EN POLYAMIDE MONTAGE SUR ROULETTES "F5"

Código/Code	Ref.	Z mm	I mm	T mm
47 13 01	CNR - 14.10	Ø14	Ø17	31
47 13 02	CNR - 17.10	Ø17	Ø19	31
47 13 03	CNR - 20.10	Ø20	Ø23	31
47 13 04	CNR - 23.10	Ø23	Ø26	31



30 F1













RODÍZIO REFORÇADO / REINFORCED CASTOR / ROULETTES REFORCÉES

Código/Code	Ref.								
		mm	mm		mm	mm	mm	mm	Kg
15 30 81	30/PUIE-35 F1	35	26		50	15	8	100	

RODA EM POLIURETANO / POLYURETHANE WHEEL / ROUE EN POLYURÉTHANE











RODÍZIOS / CASTORS / ROULETTES - 88,88/T

88 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
15 88 01	88/BIS-50 F4/2	50	19+19		74	23	60x60	43x43xØ6	60












88/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
15 88 02	88/BIST-50 F4/2	50	19+19		74	30	60x60	43x43xØ6	60












88 F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 88 05	88/BIS-50 F1	50	19+19		74	30	10	60













88/T F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 88 06	88/BIST-50 F1	50	19+19		74	30	10	60



RODÍZIOS / CASTORS / ROULETTES - 110

110

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 92 07	110/BIS-32	32	15		35	45x20	35xØ5	25
15 92 08	110/BIS-50	50	21		53	67x25	54xØ5	50



30 F4



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
15 30 40	30/BIE-50 F4/2	50	20	69	22	60x60	43x43xØ6	50		
15 30 42	30/BIE-75 F4/2	75	23	95	28	60x60	43x43xØ6	60		

31



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
16 31 15	31/BIE-75/2	75	23	95	60x60	43x43xØ6	60			

30/T F4



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
15 30 41	30/BIET-50 F4/2	50	20	69	22	60x60	43x43xØ6	50		
15 30 43	30/BIET-75 F4/2	75	23	95	33	60x60	43x43xØ6	60		

30 F1














Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
16 30 17	30/BIE-50 F1/1	50	20	68	22	10	50			
16 30 18	30/BIE-75 F1/1	75	23	94	28	10	60			

30/T F1














Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg
16 30 52	30/BIET-50 F1/1	50	20	68	22	10	50			
16 30 53	30/BIET-75 F1/1	75	23	94	33	10	60			

300 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 66	300/BIS-100 F4	100	32		138	46	95x70	75x45xØ6	80
19 58 67	300/BIS-125 F4	125	32		163	43	95x70	75x45xØ6	100














301

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 59 07	301/BIS-100	100	32		138	95x70	75x45xØ6	80	
19 59 08	301/BIS-125	125	32		163	95x70	75x45xØ6	100	














300/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 91	300/BIST-100 F4	100	32		138	46	95x70	75x45xØ6	80
19 58 92	300/BIST-125 F4	125	32		163	43	95x70	75x45xØ6	100














300 F1

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 60	300/BIS-100 F1	100	32		131	46	12	80	
19 58 61	300/BIS-125 F1	125	32		156	43	12	100	















300/T F1

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 85	300/BIST-100 F1	100	32		131	46	12	80	
19 58 86	300/BIST-125 F1	125	32		156	43	12	100	















300 F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 51	300/BIE-100 F4/1	100	32		138	46	95x70	75x45xØ6	80
19 58 52	300/BIE-125 F4/1	125	32		163	43	95x70	75x45xØ6	100
19 56 14	300/BIE-150 F4	150	32		190	38	95x70	75x45xØ6	100













301



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 59 03	301/BIE-100/1	100	32		138	95x70	75x45xØ6	80	
19 59 04	301/BIE-125/1	125	32		163	95x70	75x45xØ6	100	
19 59 10	301/BIE-150	150	32		190	95x70	75x45xØ6	100	













300/T F4



									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 76	300/BIET-100 F4/1	100	32		138	46	95x70	75x45xØ6	80
19 58 77	300/BIET-125 F4/1	125	32		163	43	95x70	75x45xØ6	100
19 56 24	300/BIET-150 F4	150	32		190	38	95x70	75x45xØ6	100













300 F1













									
Código/Code	Ref.	mm	mm		mm	mm			Kg
19 58 45	300/BIE-100 F1/1	100	32		131	46	12	80	
19 58 46	300/BIE-125 F1/1	125	32		156	43	12	100	
19 56 10	300/BIE-150 F1	150	32		183	38	12	100	

300/T F1













									
Código/Code	Ref.	mm	mm		mm	mm			Kg
19 58 70	300/BIET-100 F1/1	100	32		131	46	12	80	
19 58 71	300/BIET-125 F1/1	125	32		156	43	12	100	
19 56 20	300/BIET-150 F1	150	32		183	38	12	100	

300 F2

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
19 58 47	300/BIE-100 F2/1	100	32		142	46	M12x25	80
19 58 48	300/BIE-125 F2/1	125	32		167	43	M12x25	100













300/T F2

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
19 58 72	300/BIET-100 F2/1	100	32		142	46	M12x25	80
19 58 73	300/BIET-125 F2/1	125	32		167	43	M12x25	100













300 F3

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
19 58 49	300/BIE-100 F3/1	100	32		131	46	Ø27x60	80
19 58 50	300/BIE-125 F3/1	125	32		156	43	Ø27x60	100



300/T F3

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
19 58 74	300/BIET-100 F3/1	100	32		131	46	Ø27x60	80
19 58 75	300/BIET-125 F3/1	125	32		156	43	Ø27x60	100



300 F9



Código/Code	Ref.							
		mm	mm		mm	mm	mm	Kg
19 58 53	300/BIE-100 F9/1	100	32		140	46	*Ø19x47	80
19 58 54	300/BIE-125 F9/1	125	32		165	43	*Ø19x47	100

*Fixação metálica expansível / *Metallic expanding fitting* / Fixation métallique expansible

300/T F9



Código/Code	Ref.							
		mm	mm		mm	mm	mm	Kg
19 58 78	300/BIET-100 F9/1	100	32		140	46	*Ø19x47	80
19 58 79	300/BIET-125 F9/1	125	32		165	43	*Ø19x47	100

*Fixação metálica expansível / *Metallic expanding fitting* / Fixation métallique expansible

FIXAÇÃO EXPANSÍVEL / EXPANDING FITTING / FIXATION EXPANSIBLE

EXPANSÍVEL REDONDO / EXPANDING ROUND / EXPANSIBLE ROND



Código/Code	Ref.	Dimensão / Dimension / Dimension
60 60 78	KIT EXP Ø19-Ø21	Ø19-Ø21
60 60 79	KIT EXP Ø22-Ø24	Ø22-Ø24
60 60 87	KIT EXP Ø30-Ø32	Ø30-Ø32

EXPANSÍVEL QUADRADO / EXPANDING SQUARE / EXPANSIBLE CARRÉ














Código/Code	Ref.	Dimensão / Dimension / Dimension
60 60 80	KIT EXP \varnothing 22-24	\varnothing 22- \varnothing 24
60 60 81	KIT EXP \varnothing 25-27	\varnothing 25- \varnothing 27
60 60 82	KIT EXP \varnothing 36-38	\varnothing 36- \varnothing 38

1/POS

RODAS EM POLIPROPILENO, COM CUBO LISO

POLYPROPYLENE WHEELS WITH PLAIN HUB

ROUES EN POLYPROPYLENE, AVEC MOYEU LISSE

								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 00 00	1/POS-32CZ	32	15	17	5			20
11 00 04	1/POS-41CZ	41	17	21	5			30

DUREZA - 65 Shore A; HARDNESS - 65 Shore A; DURETÉ - 65 Shore A




























1/PNS

RODAS EM POLIPROPILENO, COM CUBO LISO

POLYPROPYLENE WHEELS, WITH PLAIN HUB

ROUES EN POLYPROPYLENE, AVEC MOYEU LISSE

								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 01 03	1/PNS-32CZ	32	14	17	5			15
11 01 05	1/PNS-38.05CZ	38	16	21	5			30
11 01 06	1/PNS-38.06CZ	38	16	21	6			30
11 01 18	1/PNS-50.05CZ	50	19	21	5			45
11 01 19	1/PNS-50.08CZ	50	19	21	8			45
11 01 21	1/PNS-58.06CZ	58	21	33	6			60
11 01 22	1/PNS-58.10CZ	58	21	33	10			70
11 01 24	1/PNS-65.06CZ	65	22	33	6			70
11 01 26	1/PNS-80.08CZ	80	22	28	8			80

DUREZA - 65 Shore A; HARDNESS - 65 Shore A; DURETÉ - 65 Shore A












1/PPS

RODAS EM POLIPROPILENO, COM CUBO LISO

POLYPROPYLENE WHEELS, WITH PLAIN HUB

ROUES EN POLYPROPYLENE, AVEC MOYEU LISSE

								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 12 19	1/PPS-50.08	50	19	21	8			45

DUREZA - 65 Shore A; HARDNESS - 65 Shore A; DURETÉ - 65 Shore A














1/NS

RODAS EM POLIAMIDA COM CUBO LISO

POLYAMIDE WHEELS WITH PLAIN HUB

ROUES EN POLYAMIDE AVEC MOYEU LISSE












								
Código/Code	Ref.	mm	mm	mm	mm			Kg
11 01 54	1/NS-50.08PR	50	19	21	8			70
11 01 81	1/NS-80.08PR	80	22	28	8			100

DUREZA - 70 Shore A; HARDNESS - 70 Shore A; DURETÉ - 70 Shore A






30L F4













										
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
16 30 77	30L/POS-32CZ F4	32	15		44	19	38x38	28x28xØ5	20	
15 25 26	30L/POS-41CZ F4	41	17		56	23	38x38	28x28xØ5	30	






16 30 79	30L/PNS-32CZ F4	32	14		44	19	38x38	28x28xØ5	15
15 25 28	30L/PNS-38CZ F4	38	15		54,5	23	38x38	28x28xØ5	30
15 25 29	30L/PNS-50CZ F4	50	19		64	18	38x38	28x28xØ5	35

30L F1














									
Código/Code	Ref.	mm	mm		mm	mm			Kg
16 30 76	30L/POS-32CZ F1	32	15		45	19	6	20	
15 25 21	30L/POS-41CZ F1	41	17		57	23	6	30	













15 25 22	30L/PNS-32CZ F1	32	14		45	19	6	15
15 25 23	30L/PNS-38CZ F1	38	16		55,5	23	6	30
15 25 24	30L/PNS-50CZ F1	50	19		65	18	6	35

30 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 31 34	30/PNS-50CZ F4/2	50	19		69	22	60x60	43x43xØ6	45
15 30 71	30/PNS-58CZ F4	58	21		84	31	80x60	60x40XØ6	60
16 31 36	30/PNS-80CZ F4/2	80	22		106	36	60x60	43x43xØ6	60













30/T F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 31 35	30/PNST-50CZ F4/2	50	19		69	22	60x60	43x43xØ6	45
16 31 37	30/PNST-80CZ F4/2	80	22		106	39	60x60	43x43xØ6	60












30 F1

								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 30 62	30/PNS-50CZ F1/1	50	19		68	22	10	45
15 30 63	30/PNS-58CZ F1	58	21		77	31	10	60
16 31 30	30/PNS-80CZ F1	80	22		105	36	10	60



30/T F1










								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 30 65	30/PNST-50CZ F1/1	50	19		68	22	10	45
16 31 32	30/PNST-80CZ F1	80	22		105	39	10	60



RODÍZIOS / CASTORS / ROULETTES - 85

85 F5













								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 85 62	85/POS-32CZ F5	32	15		45	10	Ø11x17	15

RODÍZIOS / CASTORS / ROULETTES - 90

90














								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 90 51	90/NS-38PR	38	10		48	18	Ø11x17	6
15 90 53	90/NS-65PR	65	12		75	20	Ø11x17	10













RODÍZIOS / CASTORS / ROULETTES -110

110




								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 92 50	110/POS-32CZ	32	15		35	45x20	35xØ5	12
15 92 51	110/PNS-32CZ	32	14		35	45x20	35xØ5	12
15 92 56	110/PNS-50CZ	50	19		53	67x25	54xØ5	45

88 F4

											
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg	
15 88 38	88/PNS-38CZ F4	38	16+16		63	19	70x55	54x38xØ5	40		
15 88 43	88/PNS-50CZ F4/2	50	19+19		74	23	60x60	43x43xØ6	60		



15 88 39	88/NNS-38 F4	38	16+16		63	19	70x55	54x38xØ5	60
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
RODAS EM POLIAMIDA / POLYAMIDE WHEELS / ROUES EN POLYAMIDE



15 88 40	88/NNS-40 F4	40	35		64	19	70x55	54x38xØ5	60
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ROLETE EM POLIAMIDA / POLYAMIDE ROLLER / GALLET EN POLYAMIDE














15 88 17	88/NS-50PR F4/2	50	19+19		74	23	60x60	43x43xØ6	80
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RODAS EM POLIAMIDA / POLYAMIDE WHEELS / ROUES EN POLYAMIDE




88/T F4

											
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg	
15 88 18	88/NST-50PR F4/2	50	19+19		74	30	60x60	43x43xØ6	80		

RODAS EM POLIAMIDA / POLYAMIDE WHEELS / ROUES EN POLYAMIDE












15 88 44	88/PNST-50CZ F4/2	50	19+19		74	30	60x60	43x43xØ6	60
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88 F1



									
Código/Code	Ref.	mm	mm		mm	mm		Kg	
15 88 51	88/PPS-50PR F1	50	19+19		75	23	10	60	










88/T F1



									
Código/Code	Ref.	mm	mm		mm	mm		Kg	
15 88 63	88/PPST-50PR F1	50	19+19		75	30	10	60	

87










									
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg	
15 87 53	87/NS-50	50	60		72	13	Ø15x36	60	

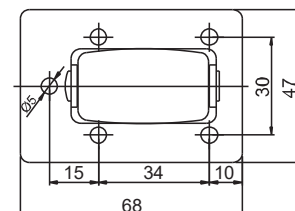
ROLETE EM POLIAMIDA / POLYAMIDE ROLLER / GALLET EN POLYAMIDE

RODÍZIOS / CASTORS / ROULETTES - 35

35

							
Código/Code	Ref.	mm	mm		mm	Kg	
15 35 02	35/PPS-20x40	20	40		22	75	

ROLETE EM POLIPROPILENO / POLYPROPYLENE ROLLER / GALLET EN POLYPROPYLENE












RODÍZIOS / CASTORS / ROULETTES - 15

RODÍZIOS ESFÉRICOS EM ZAMAK, RODA REVESTIDA A POLIURETANO, COM CUBO LISO
PROTECÇÃO ANTI-FIOS, ACABAMENTO ZINCADO BRILHANTE

ZAMAK SPHERIC CASTORS, POLYURETHANE TYRED ZAMAK WHEELS PLAIN BEARING,
WITH THREADGUARDS FINISHING, BRIGHT ZINC

ROULETTES SPHÉRIQUES EN ZAMAK FINITION, ROUE EN ZAMAK AVEC REVÊTEMENT EN
POLYURÉTHANE, MOYEU LISSE, PARE-FILS










15 F4

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 15 06	15/PU-70 F4 (D)	70	17		78	39x39	26x26xØ6	60
15 15 07	15/PU-70F4 (E)	70	17		78	39x39	26x26xØ6	60

D - DIREITO / D - RIGHT / D - DROITE
E - ESQUERDO / E - LEFT / D - GAUCHE



15 F2

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
15 15 02	15/PU-70 F2 (D)	70	17		80	M10x12		60
15 15 03	15/PU-70 F2 (E)	70	17		80	M10x12		60

D - DIREITO / D - RIGHT / D - DROITE
E - ESQUERDO / E - LEFT / D - GAUCHE



34 F4

RODÍZIOS EM POLIPROPILENO (PN), RODÍZIOS EM POLIAMIDA (NN)

POLYPROPYLENE CASTORS (PN), POLYAMIDE CASTORS (NN)

ROULETTES EN POLYPROPYLENE (PN), ROULETTES EN POLYAMIDE (NN)



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
17 34 83	34/PN-42 F4	42	37		65	20	39x39	26x26xØ6	20	
17 34 85	34/NN-45 F4	45	48		66	20	39x39	26x26xØ6	40	
17 34 86	34/NN-50 F4	50	57		71	20	39x39	26x26xØ6	40	

RODÍZIOS COM CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE



17 34 57	34/PU-50 F4	50	57		71	20	39x39	26x26xØ6	40
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RODÍZIOS COM CORPO EM ZAMAK CROMADO, RODAS EM POLIAMIDA

CASTORS WITH CHROME-PLATED BODY, POLYAMIDE WHEELS

ROULETTES AVEC CORPS EN ZAMAK CHROMÉ, ROUES EN POLYAMIDE



17 34 89	34/ZN-45 F4	45	48		66	15	39x39	26x26xØ6	40
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34/T F4

RODÍZIOS EM POLIAMIDA COM TRAVÃO

POLYAMIDE CASTORS WITH BRAKE

ROULETTES EN POLYAMIDE AVEC FREIN



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	Kg
17 34 88	34/NNT-50 F4	50	57		71	20	39x39	26x26xØ6	40	

RODÍZIOS COM TRAVÃO, CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BRAKE, BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC FREIN, CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE














17 34 61	34/PUT-50 F4	50	57		71	20	39x39	26x26xØ6	40
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34 F2

RODÍZIOS EM POLIPROPILENO (PN), RODÍZIOS EM POLIAMIDA (NN)

POLYPROPYLENE CASTORS (PN), POLYAMIDE CASTORS (NN)

ROULETTES EN POLYPROPYLENE (PN), ROULETTES EN POLYAMIDE (NN)

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
17 34 21	34/PN-42 F2	42	37		56	20	M10x15	20
17 34 34	34/NN-45 F2	45	48		57	20	M10x15	40
17 34 45	34/NN-50 F2	50	57		62	20	M10x15	40



RODÍZIOS COM CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE

17 34 56	34/PU-50 F2	50	57		62	20	M10x15	40
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RODÍZIOS COM CORPO EM ZAMAK CROMADO, RODAS EM POLIAMIDA

CASTORS WITH CHROME-PLATED BODY, WHEELS IN POLYAMIDE

ROULETTES AVEC CORPS EN ZAMAK CHROMÉ, ROUES EN POLYAMIDE

17 34 68	34/ZN-45 F2	45	48		57	15	M10x15	40
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








34/T F2

RODÍZIOS EM POLIAMIDA COM TRAVÃO

POLYAMIDE CASTORS WITH BRAKE

ROULETTES EN POLYAMIDE AVEC FREIN

								
Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
17 34 60	34/NNT-50 F2	50	57		62	20	M10x15	40



RODÍZIOS COM TRAVÃO, CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BRAKE, BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC FREIN, CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE

17 34 59	34/PUT-50 F2	50	57		62	20	M10x15	40
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34 F5

RODÍZIOS EM POLIPROPILENO (PN), RODÍZIOS EM POLIAMIDA (NN)

POLYPROPYLENE CASTORS (PN), POLYAMIDE CASTORS (NN)

ROULETTES EN POLYPROPYLENE (PN), ROULETTES EN POLYAMIDE (NN)



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
17 34 90	34/PN-42 F5	42	37		53	20	*Ø8x26		20
17 34 92	34/NN-45 F5	45	48		54	20	*Ø8x26		40
17 34 93	34/NN-50 F5	50	57		59	20	*Ø8x26		40

* Casquilhos para montagem Pág. 99 / Bushes for mounting see page 99 / Douilles pour montage voir page 99

RODÍZIOS COM CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE



17 34 58	34/PU-50 F5	50	57		59	20	*Ø8x26		40
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* Casquilhos para montagem Pág. 99 / Bushes for mounting see page 99 / Douilles pour montage voir page 99

RODÍZIOS COM CORPO EM ZAMAK CROMADO, RODAS EM POLIAMIDA

CASTORS WITH CHROME-PLATED BODY, WHEELS IN POLYAMIDE

ROULETTES AVEC CORPS EN ZAMAK CHROMÉ, ROUES EN POLYAMIDE



17 34 95	34/ZN-45 F5	45	48		54	15	*Ø8x26		40
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* Casquilhos para montagem Pág. 99 / Bushes for mounting see page 99 / Douilles pour montage voir page 99

34/T F5

RODÍZIOS EM POLIAMIDA COM TRAVÃO

POLYAMIDE CASTORS WITH BRAKE

ROULETTES EN POLYAMIDE AVEC FREIN



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
17 34 94	34/NNT-50 F5	50	57		59	20	*Ø8x26		40

* Casquilhos para montagem Pág. 99 / Bushes for mounting see page 99 / Douilles pour montage voir page 99

RODÍZIOS COM TRAVÃO, CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BRAKE, BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC FREIN, CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE




17 34 62	34/PUT-50 F5	50	57		59	20	*Ø8x26		40
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* Casquilhos para montagem Pág. 99 / Bushes for mounting see page 99 / Douilles pour montage voir page 99

RODÍZIOS COM CORPO EM POLIPROPILENO, RODAS EM POLIAMIDA

CASTORS WITH BODY IN POLYPROPYLENE, POLYAMIDE WHEELS

ROULETTES AVEC CORPS EN POLYPROPYLENE, ROUES EN POLYAMIDE

Código/Code	Ref.	mm	mm		mm	mm	mm	Kg
17 34 74	34/PN/1-50 F3	50	57		60	20	Ø11x18	40



RODÍZIOS COM CORPO EM POLIAMIDA, RODAS REVESTIDAS A POLIURETANO

CASTORS WITH BODY IN POLYAMIDE, POLYURETHANE WHEELS

ROULETTES AVEC CORPS EN POLYAMIDE, ROUES EN POLYURÉTHANE

17 34 54	34/PU-50 F3	50	57		60	20	Ø11x18	40
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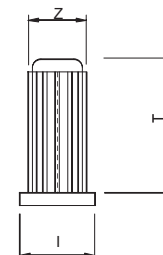
CASQUILHOS / BUSHES / DOUILLES CNR

CASQUILHOS EM POLIAMIDA PARA MONTAGEM DOS RODÍZIOS "F5"

POLYAMIDE BUSHING FOR MOUNTING CASTORS "F5"

DOUILLES EN POLYAMIDE POUR MONTAGE SUR ROULETTES "F5"

Código/Code	Ref.	Z mm	I mm	T mm
47 13 11	CNR - 11.08	Ø11	Ø16	24
47 13 06	CNR - 14.08	Ø14	Ø17	24













304 F4

BIE - RODA EM BORRACHA INJETADA COM ROLAMENTO ESFERAS

BIE - INJECTION MOULDED RUBBER WHEELS WITH BALL BEARING

BIE - ROUES EN CAOUTCHOUC INJECTÉ AVEC ROULEMENT À BILLES













									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
22 30 05	304/BIE-100F4	100	32		143	46	95x70	75x45xØ6	80
22 30 06	304/BIE-125F4	125	32		167	44	95x70	75x45xØ6	100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

304/T F4













									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
22 30 33	304/BIET-100 F4	100	32		143	46	95x70	75x45xØ6	80
22 30 34	304/BIET-125 F4	125	32		167	44	95x70	75x45xØ6	100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

304 F1













									
Código/Code	Ref.	mm	mm		mm	mm			Kg
22 30 01	304/BIE-100 F1	100	32		136	46	10		80
22 30 02	304/BIE-125 F1	125	32		160	44	10		100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

304/T F1



									
Código/Code	Ref.	mm	mm		mm	mm			Kg
22 30 31	304/BIET-100 F1	100	32		136	46	10		80
22 30 32	304/BIET-125 F1	125	32		160	44	10		100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

RODÍZIOS / CASTORS / ROULETTES - 304, 304/T

RODÍZIOS COM SUPORTE EM POLIAMIDA / CASTORS WITH POLYAMIDE HOUSING / ROULETTES AVEC MONTURE EN POLYAMIDE

BIS - RODA EM BORRACHA INJETADA, CUBO LISO

BIS - INJECTED RUBBER WHEELS, PLAIN HUB

BIS - ROUES EN CAOUTCHOUC INJECTÉ, AVEC MOYEU LISSE

304 F1



Código/Code	Ref.	mm	mm		mm	mm		Kg	
22 30 80	304/BIS-100 F1	100	32		136	46	10	80	
22 30 82	304/BIS-125 F1	125	32		160	44	10	100	

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

304/T F1



Código/Code	Ref.	mm	mm		mm	mm		Kg
22 30 81	304/BIST-100 F1	100	32		136	46	10	80
22 30 83	304/BIST-125 F1	125	32		160	44	10	100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

BIE - RODA EM BORRACHA INJETADA COM ROLAMENTO ESFERAS

BIE - INJECTION MOULDED RUBBER WHEELS WITH BALL BEARING

BIE - ROUES EN CAOUTCHOUC INJECTÉ AVEC ROULEMENT À BILLES

304 F1



Código/Code	Ref.	mm	mm		mm	mm		Kg
22 30 15	304/BIE-100/7035 F1	100	32		136	46	10	80
22 30 16	304/BIE-125/7035 F1	125	32		160	44	10	100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

304/T F1



Código/Code	Ref.	mm	mm		mm	mm		Kg
22 30 35	304/BIET-100/7035 F1	100	32		136	46	10	80
22 30 36	304/BIET-125/7035 F1	125	32		160	44	10	100

DUREZA - 85 Shore A; *HARDNESS* - 85 Shore A; DURETÉ - 85 Shore A

BNPE

RODAS EM BORRACHA CINZA, NÚCLEO EM POLIPROPILENO COM ROLAMENTOS DE ESFERAS

GREY RUBBER WHEELS, CENTRE IN POLYPROPYLENE WITH BALL BEARING

ROUES EM CAOUTCHOUC GRIS, CORPS EN POLYPROPYLENE AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm			Kg
10 16 60	BNPE-200	200	28	61	8	6001-ZZ			70

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A

PNPE

RODAS PNEUMÁTICAS, NÚCLEO EM POLIPROPILENO COM ROLAMENTOS DE ESFERAS

PNEUMATIC WHEELS, CENTRE IN POLYPROPYLENE WITH BALL BEARING

ROUES PNEUMATIQUES, CORPS EN POLYPROPYLENE AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm				bar	Kg
10 33 63	PNPE-200/1	200	50	60	8	6001-ZZ	200x50	2	2	2	75

PNNE

RODAS PNEUMÁTICAS, NÚCLEO EM POLIPROPILENO COM ROLAMENTOS DE ESFERAS

PNEUMATIC WHEELS, CENTRE IN POLYPROPYLENE WITH BALL BEARING

ROUES PNEUMATIQUES, CORPS EN POLYPROPYLENE AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm				bar	Kg
10 32 95	PNNE-615	615	32	60	12	6201-Z	24x1 3/8	2	2,5	2,5	70

RODÍZIO GIRATÓRIO, SUPORTE EM POLIAMIDA COM ROLAMENTOS DE ESFERAS

SWIVEL CASTOR, WITH BALL BEARING, POLYAMIDE HOUSING

ROULETTE PIVOTANTE, MONTURE EN POLYAMIDE AVEC ROULEMENT À BILLES

44



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Bar	Kg	
19 61 02	44/BNPE-200	200	28			235	43	M12x28	-	70	



19 61 03	44/PNPE-200/1	200	50			235	43	M12x28	2	75
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RODAS ANTI-ESTÁTICAS / ANTISTATIC WHEELS / ROUES ANTISTATIQUES

RODAS EM POLIURETANO INJECTADO, NÚCLEO EM POLIPROPILENO









INJECTED POLYURETHANE WHEELS, POLYPROPYLENE CENTRE

ROUES EN POLYURÉTHANE INJECTÉ, CORPS EN POLYPROPYLENE

RESISTÊNCIA ELÉCTRICA: $10^6 - 10^8 \Omega$

ELECTRICAL RESISTANCE: $10^6 - 10^8 \Omega$

RÉSISTANCE ÉLECTRIQUE: $10^6 - 10^8 \Omega$

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 25 37	PUPS-50.08	50	19	21	8		50








DUREZA - 85 Shore A; HARDNESS - 85 Shore A; DURETÉ - 85 Shore A

PUPS



PUPE












							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 27 11	PUPE-100-AE	100	32	39	8	6202-ZZ	100
10 27 13	PUPE-125-AE	125	32	37	8	6202-ZZ	100

DUREZA - 85 Shore A; HARDNESS - 85 Shore A; DURETÉ - 85 Shore A

RODÍZIOS ANTI-ESTÁTICOS / ANTISTATIC CASTORS / ROULETTES ANTISTATIQUES










88 F1



								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 88 12	88/PUS-50.08 F1 AE	50	19+19		75	22	8	60

88/T F1



								
Código/Code	Ref.	mm	mm		mm	mm		Kg
15 88 13	88/PUST-50.08 F1 AE	50	19+19		75	30	10	60

300 F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 21	300/PUE-100 F4-AE	100	32		138	46	95x70	75x45xØ6	100
19 58 22	300/PUE-125 F4-AE	125	32		163	43	95x70	75x45xØ6	100

301



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 59 05	301/PUE-100-AE	100	32		138	95x70	75x45xØ6	100	100
19 59 06	301/PUE-125-AE	125	32		163	95x70	75x45xØ6	100	100

300/T F4



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 28	300/PUET-100 F4-AE	100	32		138	46	95x70	75x45xØ6	100
19 58 29	300/PUET-125 F4-AE	125	32		163	43	95x70	75x45xØ6	100

300 F1



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 15	300/PUE-100 F1-AE	100	32		131	46	12	100	100
19 58 16	300/PUE-125 F1-AE	125	32		156	43	12	100	100

300/T F1



Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
19 58 23	300/PUET-100 F1-AE	100	32		131	46	12	100	100
19 58 24	300/PUET-125 F1-AE	125	32		156	43	12	100	100

RODAS PARA CESTOS SUPERMERCADO / SHOPPING BASKETS WHEELS / ROUES POUR PANIER À PROVISIONS

BIPS

RODAS EM BORRACHA INJECTADA, NÚCLEO EM POLIPROPILENO, COM CUBO LISO

INJECTED RUBBER WHEELS, POLYPROPYLENE CENTRE, WITH PLAIN HUB

ROUES EN CAOUTCHOUC INJECTÉ, CORPS EN POLYPROPYLENE, AVEC MOYEU LISSE

Código/Code	Ref.	mm	mm	mm	mm		Kg
10 25 39	BIPS-50.08	50	19	21	8		50
10 25 44	BIPS-75	75	23	27	8		60

DUREZA - 85 Shore A; HARDNESS - 85 Shore A; DURETÉ - 85 Shore A



RODÍZIOS PARA CESTOS SUPERMERCADO / SHOPPING BASKETS CASTORS / ROULETTES POUR PANIER À PROVISIONS

30L F4

Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 30 09	30L/BIS-32 F4	32	15		44	19	38x38	28x28xØ5	25
16 30 14	30L/BIS-41 F4	41	19		56	23	38x38	28x28xØ5	25



30L F3

Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 30 03	30L/BIS-32 F3-11	32	15		45	19	Ø11x24	Ø11x24	25
16 30 13	30L/BIS-41 F3-11	41	19		57	23	Ø11x24	Ø11x24	25











Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
16 30 44	30L/BIE-50 F3-10	50	20		65	19	Ø10x15	Ø10x15	35




302 F1











Código/Code	Ref.								
		mm	mm	mm	mm	mm	mm	mm	Kg
22 58 05	302/BIE-100 F1/2	100	32			133	35	12	80
22 58 06	302/BIE-125 F1/2	125	32			158	45	12	100




21 58 82	302/PUE/TR-125 F1/2	125	32			155	45	12	60
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304 F1



Código/Code	Ref.								
		mm	mm	mm	mm	mm	mm	mm	Kg
22 30 10	304/BIE-100 F1	100	32			135	46	10	80
22 30 12	304/BIE-125 F1	125	32			160	44	10	100














22 30 40	304/PUE/TR-125 F1	125	32			160	44	10	60
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RIS

RODAS EM RESINA FENÓLICA COM CUBO LISO
 PHENOLIC RESIN WHEELS WITH PLAIN BEARING
 ROUES EN RÉSINE PHÉNOLIQUE AVEC MOYEU LISSE














TEMPERATURAS DE TRABALHO -40°C ; + 280°C, PERIODOS CURTOS +300°C
 WORK TEMPERATURES -40°C ; +280°C, SHORT PERIODS +300°C
 TEMPÉRATURES DE TRAVAIL, -40°C ; +280°C, COURTES PÉRIODES +300°C

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
13 12 01	RIS-80	80	35	37	12		100
13 12 07	RIS-100.12	100	35	37	12		150
13 12 04	RIS-125/48	125	40	48	15		200
13 12 05	RIS-150	150	50	57	20		250
13 12 06	RIS-200	200	50	57	20		300
















RODÍZIOS PARA ALTAS TEMPERATURAS / HIGH TEMPERATURE CASTORS / ROULETTES TEMPÉRATURE ELEVÉE

120 F4

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
24 12 81	*120/RIS-80	80	35		107	31	100x80	80x60xØ9	100
24 12 86	*120/RIS-100	100	35		127	37	100x80	80x60xØ9	150
24 12 80	*P-120/RIS-125	125	40		154	50	100x80	80x60xØ9	200
24 12 84	120/RIS-150	150	50		195	45	135x110	105x80xØ11	250
24 12 85	120/RIS-200	200	50		243	45	135x110	105x80xØ11	300













125

									
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	Kg
24 13 81	*125/RIS-80	80	35		107		105x85	80x60xØ9	100
24 13 86	*125/RIS-100	100	35		127		105x85	80x60xØ9	150
24 13 81	*P-125/RIS-125	125	40		154		105x85	80x60xØ9	200
24 13 84	125/RIS-150	150	50		195		140x110	105x80xØ11	250
24 13 85	125/RIS-200	200	50		243		140x110	105x80xØ11	300



120/F1















									
Código/Code	Ref.	mm	mm		mm	mm			Kg
24 12 74	*120/RIS-80F1	80	35		107	31		12	100
24 12 75	*120/RIS-100F1	100	35		127	37		12	150

* Eixo e anilhas laterais em PTFE / PTFE wheel axle and washers / Axe et anneaux en PTFE



118 F4 INOX

















												
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	mm	mm	Kg
27 21 71	118/RIS-80 F4/1	80	35		105	31	100x80	80x60xØ9	100			
27 21 72	118/RIS-100 F4/1	100	35		125	37	100x80	80x60xØ9	150			
27 21 73	118/RIS-125 F4/1	125	40		152	41	100x80	80x60xØ9	200			

Eixo e anilhas laterais em PTFE / PTFE wheel axel and washers / Axe et anneaux en PTFE

119 INOX

















												
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	mm	mm	Kg
27 22 71	119/RIS-80/1	80	35		105	105x85	80x60xØ9	100				
27 22 72	119/RIS-100/1	100	35		125	105x85	80x60xØ9	150				
27 22 73	119/RIS-125/1	125	40		152	105x85	80x60xØ9	200				

Eixo e anilhas laterais em PTFE / PTFE wheel axel and washers / Axe et anneaux en PTFE

118 F1 INOX










												
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	mm	mm	Kg
27 21 75	118/RIS-80 F1/1	80	35		105	31	12	100				
27 21 76	118/RIS-100 F1/1	100	35		125	37	12	150				
27 21 77	118/RIS-125 F1/1	125	40		152	41	12	200				

Eixo e anilhas laterais em PTFE / PTFE wheel axel and washers / Axe et anneaux en PTFE

RIE









RODAS REFORÇADAS EM RESINA FENÓLICA COM ROLAMENTO ESFERAS
 PHENOLIC RESIN WHEELS REINFORCED WITH PLAIN BEARING
 ROUES REFORCÉES EN RÉSINE PHÉNOLIQUE AVEC MOYEU LISSE

TEMPERATURAS DE TRABALHO -20°C ; +300°C
 WORK TEMPERATURES -20°C ; +300°C
 TEMPÉRATURES DE TRAVAIL, -20°C ; +300°C

								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
13 12 10	RIE-80.15	80	35	35	15			160
13 12 11	RIE-100.15	100	38	38	15			240











116 F4

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 10 03	116/RIE-80 F4	80	35	107	37	100x85	80x60xØ9		160
27 10 04	116/RIE-100 F4	100	38	128	35	100x85	80x60xØ9		200











116 F1

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 10 08	116/RIE-80 F1	80	35	107	37	12			160
27 10 09	116/RIE-100 F1	100	38	128	35	12			200











118 F4 INOX

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 16 08	118/RIE-80 F4	80	35	107	37	100x85	80x60xØ9		160
27 16 09	118/RIE-100 F4	100	38	128	35	100x85	80x60xØ9		200



118 F1 INOX

									
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	Kg
27 16 10	118/RIE-80 F1	80	35	107	37	12			160
27 16 11	118/RIE-100 F1	100	38	128	35	12			200



BSAE

RODAS EM BORRACHA SILICÓNICA, NÚCLEO EM ALUMÍNIO COM ROLAMENTO ESFERAS
 SILICONE RUBBER WHEELS, ALUMINIUM CENTRE WITH BALL BEARING
 ROUES EN CAOUTCHOUC SILICONE, CORPS EN ALUMINIUM AVEC ROULEMENT À BILLES

TEMPERATURA DE TRABALHO -30°C ; +250°C,
 TEMPO DE TRABALHO: 30' a 250°C, MAIS 30' À TEMPERATURA AMBIENTE
 WORK TEMPERATURES: -30°C at 250°C
 WORK CYCLE: 30' at 250°C FOLLOWED BY 30' at ROOM TEMPERATURE
 TEMPÉRATURES DE TRAVAIL: -30°C a 250°C
 TEMPS DE TRAVAIL: 30' a 250°C PLUS 30' À LA TEMPÉRATURE AMBIANTE



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg	Kg 250°C
68 12 11	BSAE-100	100	40	40	15			80	40

DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A

116 F4



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg 250°C
27 10 12	116/BSAE-100 F4	100	40	40	128	35	100x85	80x60xØ9		80	40

116 F1
















Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg 250°C
27 10 11	116/BSAE-100 F1	100	40	40	128	35	128	35	12	80	40

118 F4 INOX



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg 250°C
27 18 18	118/BSAE-100 F4	100	40	40	128	35	100x85	80x60xØ9		80	40

120 F4

											
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	mm	Kg
26 12 09	120/BS/GF-160	160	40		200	45	135x110	105x80xØ11	130		
26 12 12	120/BS/GF-200	200	50		243	50	135x110	105x80xØ11	200		














HOMOLOGADOS NORMA EN840-5 / EN840-5 CERTIFIED / HOMOLOGUÉ EN840-5

26 12 03	120/BS/GF-200CZ	200	50		243	50	135x110	105x80xØ11	200		
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26 12 06	120/BES/GF-200	200	50		243	50	135x110	105x80xØ11	230		
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120/T F4

											
Código/Code	Ref.	mm	mm		mm	mm	mm	mm	mm	mm	Kg
26 12 16	120/BST/GF-160	160	40		200	45	135x110	105x80xØ11	130		
26 12 15	120/BST/GF-200	200	50		243	50	135x110	105x80xØ11	200		

HOMOLOGADOS NORMA EN840-5 / EN840-5 CERTIFIED / HOMOLOGUÉ EN840-5

26 12 07	120/BST/GF-200CZ	200	50		243	50	135x110	105x80xØ11	200		
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26 12 17	120/BEST/GF-200	200	50		243	50	135x110	105x80xØ11	230		
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









BNPS

RODAS EM BORRACHA, NÚCLEO EM POLIPROPILENO,
CUBO LISO DESCENTRADO COM PINO DE SEGURANÇA

*RUBBER WHEELS, CENTRE IN POLYPROPYLENE,
PLAIN BEARING, OFFSET HUB AND SAFETY AXLE FITTING*

ROUES EN CAOUTCHOUC, CORPS EN POLYPROPYLENE,
MOYEU LISSE EN DÉPORT ET FIXATION DE SÉCURITÉ



								
Código/Code	Ref.	mm	mm	mm	mm	mm		Kg
10 18 54	BNPS-160.22	160	40	100	22	97		130
10 18 56	BNPS-180.22	180	45	100	22	97		170
*10 18 60	BNPS-200.22	200	50	100	22	97		200
10 18 74	BNPS-300.22	300	50	100	22	97		200

DUREZA - 80 Shore A; *HARDNESS - 80 Shore A*; DURETÉ - 80 Shore A











*HOMOLOGADO - EN-840-5; *EN 840-5 CERTIFIED*; HOMOLOGUÉ EN 840-5

RODAS EM BORRACHA, NÚCLEO EM POLIPROPILENO,
CUBO LISO DESCENTRADO COM PINO DE SEGURANÇA

*RUBBER WHEELS, CENTRE IN POLYPROPYLENE,
PLAIN BEARING, OFFSET HUB AND SAFETY AXLE FITTING*

ROUES EN CAOUTCHOUC, CORPS EN POLYPROPYLENE,
MOYEU LISSE EN DÉPORT ET FIXATION DE SÉCURITÉ



								
Código/Code	Ref.	mm	mm	mm	mm	mm		Kg
10 18 66	BNPS-250.22	250	40	100	22	97		200
10 18 76	BNPS-300.22/2	300	40	100	22	97		200

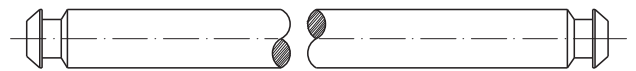
DUREZA - 80 Shore A; *HARDNESS - 80 Shore A*; DURETÉ - 80 Shore A

EIXOS / AXLE / AXE

EIXOS TUBULARES HOLLOW AXLES AXE TUBULAIRE CREUX



EIXOS MACIÇOS SOLID AXLES AXE TUBULAIRE PLEIN



RODÍZIOS PARA ANDAIMES / SCAFFOLDING CASTORS / ROULETTES POUR ECHAFAUDAGE

RODAS EM BORRACHA / RUBBER WHEELS / ROUES EN CAOUTCHOUC

Código/Code	Ref.	mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	
23 28 10	200/BST/47-160	160	40	195	45	*Ø47x120	130	
23 28 13	200/BST/47/1-200	200	50	240	45	*Ø47x120	200	

* Ø int.= 43

23 28 20	200/BST/35-160	160	40	195	45	Ø35x150	130
23 28 46	200/BST/35/1-200	200	50	240	45	Ø35x150	200
23 28 92	200/BST/40-160	160	40	195	45	Ø40x150	130
23 28 44	200/BST/40-200	200	50	240	45	Ø40x150	200



RODAS EM POLIAMIDA / POLYAMIDE WHEELS / ROUES EN POLYAMIDE

Código/Code	Ref.	mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	
23 28 40	200/NST/40-200x50REF	200	50	232	60	Ø40x150	600	

23 28 41	200/NST/55-200x50REF	200	50	232	60	*Ø55x120	600
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* Ø int.= 51



RODAS EM BORRACHA / RUBBER WHEELS / ROUES EN CAOUTCHOUC













Código/Code	Ref.	mm		mm		mm		Kg
		mm	mm	mm	mm	mm	mm	
19 58 98	300/BIST/35-125	125	32	188	43	Ø35x110	100	



RODÍZIOS PARA ANDAIMES / SCAFFOLDING CASTORS / ROULETTES POUR ECHAFAUDAGE

RODAS EM POLIAMIDA / POLYAMIDE WHEELS / ROUES EN POLYAMIDE














Código/Code	Ref.										
		mm	mm		mm	mm	mm	mm	Kg	Kg	
23 28 36	200/NST/M38-200x50	200	50		235	0/30	M38x6x500	750	400		
23 28 34	200/NST/M38-200 REF	200	50		235	0/30	M38x6x500	1000	500		

HOMOLOGADOS; CERTIFIED; HOMOLOGUÉ EN 1004

RODAS EM POLIURETANO / POLYURETHANE WHEELS / ROUES EN POLYURÉTHANE



Código/Code	Ref.										
		mm	mm		mm	mm	mm	mm	Kg	Kg	
23 28 85	200/PUIST/M38-200x50	200	50		235	0/30	M38x6x500	750	400		

*

F1 - Capacidade de carga quando o travão está accionado
Ausência de excentricidade entre o eixo da roda e o eixo do suporte (OFFSET 0)

*

F - Capacidade de carga dinâmica

*

F1 - Load capacity with brake engaged
Wheel and support' axles must be aligned (OFFSET 0)

*

F - Dinamic load capacity

*

F1 - Capacité de charge quand le frein est enclenché
Absence d'excentricité entre l'axe de la roue et celui du support (DÉPORT 0)

*









F - Capacité de charge dynamique

NYNE

RODAS REFORÇADAS EM POLIAMIDA COM ROLAMENTO DE ESFERAS

POLYAMIDE WHEELS REINFORCED WITH BALL BEARING

ROUES REFORCÉES EN POLYAMIDE AVEC ROULEMENT À BILLES

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
11 06 55	NYNE-160x50.20	160	50	57	20	6204-ZZ	900
11 06 59	NYNE-200x50.20	200	50	57	20	6204-ZZ	1000
11 06 62	NYNE-200x50.25	200	50	57	25	6005-ZZ	1000











BEAE

RODAS EM BORRACHA ELÁSTICA, NÚCLEO EM ALUMÍNIO COM ROLAMENTO DE ESFERAS

ELASTIC RUBBER WHEELS, ALUMINIUM CENTRE WITH BALL BEARING

ROUES EN CAOUTCHOUC ELASTIQUE CORPS EN ALUMINIUM AVEC ROULEMENT À BILLES

							
Código/Code	Ref.	mm	mm	mm	mm		Kg.
10 15 04	BEAE-160.20/1	160	45	50	20	6204-ZZ	350
10 15 11	BEAE-180.20	180	50	60	20	6204-ZZ	350
10 15 08	BEAE-200.20/1	200	50	57	20	6204-ZZ	500
10 15 09	BEAE-200.25/1	200	50	57	25	6005-ZZ	500
10 15 10	BEAE-250.20	250	50	57	20	6204-ZZ	550

DUREZA - 70 Shore A; HARDNESS - 70 Shore A; DURETÉ - 70 Shore A



PUAE

RODAS EM POLIURETANO VAZADO, NÚCLEO EM ALUMÍNIO, COM ROLAMENTO DE ESFERAS

WHEELS POLYURETHANE TREAD, ALUMINIUM CENTRE, WITH BALL BEARING

ROUES EN POLYURÉTHANHE COULÉ, CORPS EN ALUMINIUM, AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
10 15 34	PUAE-160.20	160	50	57	20	6204-ZZ	600	600
10 15 36	PUAE-200.20/1	200	50	57	20	6204-ZZ	850	850

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A

PUFE

RODAS EM POLIURETANO VAZADO, NÚCLEO EM FERRO FUNDIDO, COM ROLAMENTO DE ESFERAS

WHEELS POLYURETHANE TREAD, CAST IRON CENTRE, WITH BALL BEARING

ROUES EN POLYURÉTHANHE COULÉ, CORPS EN FONTE, AVEC ROULEMENT À BILLES



FIG.1



FIG.2

Código/Code	Ref.	FIG	mm	mm	mm	mm	mm	mm	Kg
10 29 39	PUFE-100x38	2	100	38	40	15	6202-ZZ	380	380
10 29 40	PUFE-125x40	1	125	40	48	15	6202-ZZ	400	400
10 29 38	PUFE-125x50.20	2	125	50	55	20	6204-ZZ	550	550
10 29 42	PUFE-150x50.20	2	150	50	55	20	6204-ZZ	750	750
10 29 43	PUFE-180x50	2	180	50	55	20	6204-ZZ	900	900
10 29 44	PUFE-200x50.20	1	200	50	57	20	6204-ZZ	1000	1000
10 29 45	PUFE-200x50.25	1	200	50	57	25	6005-ZZ	1000	1000
10 29 46	PUFE-200x50.30	1	200	50	57	30	6006-ZZ	1000	1000








DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A

NYNE

ROLETES EM POLIAMIDA COM ROLAMENTO DE ESFERAS

POLYAMIDE ROLLERS WITH BALL BEARING

GALETS EN POLYAMIDE AVEC ROULEMENT À BILLES

								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
11 07 32	NYNE-83x60.20	83	60	60	20	6204-ZZ	600	
11 07 34	NYNE-83x73.17	83	73	73	17	6303-ZZ	800	
11 07 35	NYNE-83x73.20	83	73	73	20	6204-ZZ	800	
11 07 36	NYNE-83x98.17	83	98	98	17	6303-ZZ	900	
11 07 37	NYNE-83x98.20	83	98	98	20	6204-ZZ	1000	










PUNE

ROLETES EM POLIURETANO VAZADO, NÚCLEO EM POLIAMIDA COM ROLAMENTO DE ESFERAS

ROLLER WITH CAST POLYURETHANE TREAD, POLYAMIDE CENTER WITH BALL BEARING

GALETS EN POLYURÉTHANE COULÉ, CORPS EN POLYAMIDE AVEC ROULEMENT À BILLES

								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
13 77 01	PUNE-82x70.20	82	70	70	20	6204-ZZ	450	
13 77 05	PUNE-82x100.20	82	100	100	20	6204-ZZ	600	

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A










PUFE

ROLETES EM POLIURETANO VAZADO, NÚCLEO EM AÇO COM ROLAMENTO DE ESFERAS

ROLLER WITH CAST POLYURETHANE TREAD, STEEL CENTER WITH BALL BEARING

GALETS EN POLYURÉTHANE COULÉ, CORPS EN ACIER AVEC ROULEMENT À BILLES

								
Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
13 78 01	PUFE-60x60.10	60	60	60	10	6200-2RS	300	
13 78 02	PUFE-60x40.15	60	40	40	15	6202-2RS	210	
13 78 03	PUFE-75x40.20	75	40	40	20	6204-ZZ	300	
13 78 06	PUFE-80x55.20	80	55	55	20	6204-2RS	500	
13 78 04	PUFE-80x60.20	80	60	60	20	6204-ZZ	600	
13 78 05	PUFE-80x70.20	80	70	70	20	6204-ZZ	700	
13 78 11	PUFE-82x100.20	82	100	100	20	6204-ZZ	1000	
13 78 13	PUFE-85x75.20	85	75	75	20	6204-ZZ	750	
13 78 09	PUFE-85x80.20	85	80	80	20	6204-ZZ	800	
13 78 10	PUFE-85x90.20	85	90	90	20	6204-ZZ	900	
13 78 14	PUFE-85x95.25	85	95	95	25	6005-2RS	950	

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A



CONSULTAR PARA OUTRAS DIMENSÕES

PLEASE ASK FOR OTHER DIMENSIONS

CONSULTEZ-NOUS POUR D'AUTRES DIMENSIONS






PUE

ROLETES EM POLIURETANO VAZADO COM ROLAMENTO DE ESFERAS

CAST POLYURETHANE TREAD WITH BALL BEARING

GALETS EN POLYURÉTHANE COULÉ AVEC ROULEMENT À BILLES



Código/Code	Ref.					
		mm	mm	mm		Kg
13 79 05	PUE-40x15.10	40	15	10	6000-2RS	40
13 79 10	PUE-60x20.17	60	20	17	6203-ZZ	90
13 79 12	PUE-60x20.20	60	20	20	6004-ZZ	90
13 79 11	PUE-70x23.20	70	23	20	6204-2RS	110

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A






PUFE

ROLETES EM POLIURETANO VAZADO, NÚCLEO EM AÇO COM ROLAMENTO DE ESFERAS

ROLLER WITH CAST POLYURETHANE TREAD, STEEL CENTER WITH BALL BEARING

GALETS EN POLYURÉTHANE COULÉ, CORPS EN ACIER AVEC ROULEMENT À BILLES



Código/Code	Ref.					
		mm	mm	mm		Kg
13 79 15	PUFE-70x25.15	70	25	15	6202-2RS	150

DUREZA - 94 Shore A; *HARDNESS* - 94 Shore A; DURETÉ - 94 Shore A






NYNE

ROLETES EM POLIAMIDA COM FIBRA DE VIDRO, ROLAMENTO DE ESFERAS

POLYAMIDE ROLLERS WITH FIBERGLASS, BALL BEARING

GALETS EN POLYAMIDE AVEC FIBRE DE VERRE, ROULEMENT À BILLES



Código/Code	Ref.					
		mm	mm	mm		
11 62 24	NYNE-60x31.15FV	60	31	15		6202-2RS

11 62 26	NYNE-60x31.15FV	60	31	15		6202-2RS
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SERVIÇOS DE REVESTIMENTO DE RODAS EM POLIURETANO

POLYURETHANE WHEELS COVERING SERVICES










SERVICES DE REVÊTEMENT DE ROUES EN POLYURÉTHANE



RODÍZIOS FIXOS,
SUPORTE EM AÇO ESTAMPADO, RODA EM FERRO FUNDIDO,
ACABAMENTO-PINTADO (EPOXI)

FIXED CASTORS,
PRESSED STEEL CASTORS, CAST IRON WHEEL,
FINISHING - PAINTED (EPOXI)

ROULETTES FIXES,
MONTURE EN TÔLE D'ACIER EMBOUTIE, ROUES EN FONTE,
FINITION-PAINT (EPOXI)

							
Código/Code	Ref.	Ref.	mm		mm	mm	Kg
23 51 04	140/FS-125-CZ	125	40		160	M16	1250
23 51 17	140/FS-200-CZ	200	70		230	M20	2000

CZ-RAL 7043



23 52 02	140/FS-125-REF AZ	125	40		160	M16	2500
23 51 13	140/FS-200-AZ	200	70		230	M20	2000









AZ-RAL 5008



23 52 01	140/FS-125-REF CB	125	40		160	M16	2500
23 51 21	140/FS-200-CB	200	70		230	M20	2000

CB-RAL 7023



							
Código/Code	Ref.	Ref.	mm		mm	mm	Kg
23 51 19	140/FS-200-4M16CZ	200	70		220	70x70xM16	3350

CZ-RAL 7035



PNEE

RODAS PNEUMÁTICAS, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ESFERAS, VELOCIDADE MÁXIMA - 4 Km/h

PNEUMATIC WHEELS, METALLIC RIM COVERED WITH ZINC, WITH BALL BEARING, MAXIMUM SPEED - 4 Km/h

ROUES PNEUMATIQUES, JANTE MÉTALLIQUE ZINGUÉE, AVEC ROULEMENT À BILLES, VITESSE MAXIMUM - 4 Km/h



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	P.R.	bar	Código/Code	Kg
10 04 01	PNEE-260.20/4TT	260	85	70	20	6204-ZZ	3.00-4	4	2.5	30 21 25	200	

RODAS PNEUMÁTICAS, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ESFERAS (SEMI-PRECISÃO), VELOCIDADE MÁXIMA - 4 Km/h

PNEUMATIC WHEELS, METALLIC RIM COVERED WITH ZINC, WITH SEMI - PRECISION BALL BEARING, MAXIMUM SPEED - 4 Km/h

ROUES PNEUMATIQUES, JANTE MÉTALLIQUE ZINGUÉE, AVEC ROULEMENT À BILLES (SEMI-PRÉCISION), VITESSE MAXIMUM - 4 Km/h



Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	P.R.	bar	Código/Code	Kg
10 03 88	PNEE-385	385	90	90	20	47.20.000	3.50-8	4	2,5	30 22 03	200	
10 03 92	PNEE-410	410	110	90	20	47.20.000	4.80/4.00-8	4	2,5	30 22 03	300	

PNEA

RODAS PNEUMÁTICAS, JANTE METÁLICA ZINCADA, COM ROLAMENTO DE ROLOS, VELOCIDADE MÁXIMA - 4 Km/h

PNEUMATIC WHEELS, METALLIC RIM COVERED WITH ZINC, WITH ROLLER BEARING, MAXIMUM SPEED - 4 Km/h

ROUES PNEUMATIQUES, JANTE MÉTALLIQUE ZINGUÉE, AVEC ROULEMENT À ROULEAUX, VITESSE MAXIMUM - 4 Km/h











Código/Code	Ref.	mm	mm	mm	mm	mm	mm	mm	P.R.	bar	Código/Code	Kg
10 02 86	PNEA-385	385	90	82	25	3.50-8	4	2,5	30 25 01	200		
10 02 92	PNEA-410	410	110	82	25	4.80/4.00-8	4	2,5	30 25 01	300		

PNEE

RODAS PNEUMÁTICAS, JANTE METÁLICA PINTADA, COM ROLAMENTO DE ESFERAS

PNEUMATIC WHEELS, PAINTED METALLIC RIM, WITH BALL BEARING

ROUES PNEUMATIQUES, JANTE MÉTALLIQUE PEINTE, AVEC ROULEMENT À BILLES

Código/Code	Ref.									Código/Code	Kg
		mm	mm	mm	mm	mm	bar	IF			
10 04 10	PNEE-385.20/4TL	385	90	20	6204-ZZ	3.50-8	4	2,5	30 22 21	170	
10 04 11	PNEE-385.25/4TL	385	90	25	6005-ZZ	3.50-8	4	2,5	30 22 22	170	
10 04 20	PNEE-410.20/4TL	410	110	20	6204-ZZ	4.80/4.00-8	4	2,5	30 22 21	265	
10 04 21	PNEE-410.25/4TL	410	110	25	6005-ZZ	4.80/4.00-8	4	2,5	30 22 22	265	











PNEE

RODAS PNEUMÁTICAS, JANTE METÁLICA PINTADA, COM ROLAMENTO DE ESFERAS

PNEUMATIC WHEELS, PAINTED METALLIC RIM, WITH BALL BEARING

ROUES PNEUMATIQUES, JANTE MÉTALLIQUE PEINTE, AVEC ROULEMENT À BILLES

Código/Code	Ref.									Código/Code	Código/Code	Kg
		mm	mm	mm	mm	mm	bar	IF				
10 04 12	PNEE-385.25.20	385	90	25/20	6005/6204	3.50-8	4	2,5	30 22 20	32 25 02	170	
10 04 22	PNEE-410.25.20	410	110	25/20	6005/6204	4.80/4.00-8	4	2,5	30 22 20	32 25 02	265	



PNNS

RODAS PNEUMÁTICAS, JANTE EM POLIPROPILENO,
CUBO LISO EM CASQUILHOS DE POLIAMIDA

PNEUMATIC WHEELS, RIM IN POLYPROPYLENE,
PLAIN BEARING ON POLYAMIDE BUSHES

ROUES PNEUMATIQUES, JANTE EN POLYPROPYLENE,
MOYEU LISSE SUR MANCHONS EN POLYAMIDE



Código/Code	Ref.	mm	mm	mm	mm					bar	Kg	
10 31 68	PNNS-260.20/4PR	260	85	75	20			3.00-4	4	1,5	150	

10 31 84	PNNS-370.20/2PR	370	80	75	20			3.50-8	2	1,5	100
10 31 90	PNNS-400.20/4PR	400	100	75	20			4.80/4.00-8	4	1,5	150

PNNA

RODAS PNEUMÁTICAS, JANTE EM POLIPROPILENO COM ROLAMENTO DE ROLOS

PNEUMATIC WHEELS, RIM IN POLYPROPYLENE WITH ROLLER BEARING

ROUES PNEUMATIQUES, JANTE EN POLYPROPYLENE AVEC ROULEMENT À ROULEAUX



Código/Code	Ref.	mm	mm	mm	mm					bar	Kg
10 32 68	PNNA-260/4PR	260	85	75	20			3.00-4	4	1,5	150

10 32 69	PNNA-370/2PR	370	80	75	20			3.50-8	2	1,5	100
10 32 70	PNNA-400/4PR	400	100	75	20			4.80/4.00-8	4	1,5	150

RODAS EM BORRACHA / RUBBER WHEELS / ROUES EN CAOUTCHOUC

4/B-RE

RODAS EM BORRACHA PRETA, JANTE METÁLICA ZINCADA COM ROLAMENTO DE ESFERAS

BLACK RUBBER WHEELS, METALLIC RIM COVERED WITH ZINC WITH BALL BEARING

ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE ZINGUÉE AVEC ROULEMENT À BILLES



Código/Code	Ref.	mm	mm	mm	mm					Kg
10 12 68	4/B-RE-260	260	75	75	20			6004-ZZ		350
10 12 83	4/B-RE-360	360	67	75	25			6005-ZZ		400

DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A










POPS / POPA

RODAS COM PNEU ANTI-FURO, JANTE POLIPROPILENO



WHEELS WITH PUNCTURE PROOF TYRE, POLYPROPYLENE RIM

ROUES AVEC PNEU INCREVABLE, JANTE EN POLYPROPYLENE





							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 31 34	POPS-260.20/78VM	260	80	78	20		75
10 32 76	POPA-260.20/1	260	80	75	20		75





10 31 37	POPS-260.20VM	260	75	75	20		60
10 32 77	POPA-260.20VM	260	75	75	20		60



10 31 38	POPS-370.20VM	370	75	75	20		100
10 32 80	POPA-370.20VM	370	75	75	20		100



10 31 39	POPS-370.20PR	370	75	75	20		100
10 32 83	POPA-370.20PR	370	75	75	20		100










POEE

RODA COM PNEU ANTI-FURO, JANTE METÁLICA COM ROLAMENTO DE ESFERAS

WHEELS WITH PUNCTURE PROOF TYRE, METALLIC RIM WITH BALL BEARINGS

ROUES AVEC PNEU INCREVABLE, JANTE MÉTALLIQUE AVEC ROULEMENT À BILLES

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 04 00	POEE-260.20/2	260	75	70	20	6204-ZZ	60



PUPS / PUPA

RODA ANTI-FURO EM POLIURETANO, JANTE EM POLIPROPILENO

ANTI-PUNCTURE WHEEL IN POLYURETHANE, POLYPROPYLENE RIM

ROUE EN POLYURÉTHANE INCREVABLE, JANTE EN POLYPROPYLENE



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 31 55	PUPS-370.20 PR/AM	370	75	75	20		100
10 32 71	PUPA-370.20 PR/AM	370	75	75	20		100

RODAS PARA CARROS DE MÃO / WHEELBARROW / ROUES POUR BROUETTES

BNES/L

RODAS EM BORRACHA PRETA, JANTE METÁLICA PINTADO

BLACK RUBBER WHEELS, METALLIC RIM PAINTED

ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE PEINT



Código/Code	Ref.	mm	mm	mm	mm		Kg
10 08 73	BNES/L-300	300	60	210	20		100
10 08 85	BNES/L-370	370	75	210	20		150

DUREZA - 80 Shore A; HARDNESS - 80 Shore A; DURETÉ - 80 Shore A

PNNS

RODAS PNEUMÁTICAS, JANTE EM POLIPROPILENO COM EIXO

PNEUMATIC WHEELS, RIM IN POLYPROPYLENE WITH AXLE

ROUES PNEUMATIQUES, JANTE EN POLYPROPYLENE AVEC ESSIEU



Código/Code	Ref.	mm	mm	mm	mm			bar	Kg	
10 31 74	PNPS-370/2PR/225-VM	370	80	225	20		3.50-8	2	1,5	100
10 31 88	PNPS-370/2PR/235-VM	370	80	235	20		3.50-8	2	1,5	100



10 31 75	PNPS-370/2PR/235-PR	370	80	235	20		3.50-8	2	1,5	100
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RODAS ANTI-FURO / PUNCTURE PROOF WHEELS / ROUES INCREVABLES











POPS

RODAS COM PNEU ANTI-FURO, JANTE EM POLIPROPILENO COM EIXO

WHEELS WITH PUNCTURE PROOF TYRE, RIM IN POLYPROPYLENE WITH AXLE

ROUES AVEC PNEU INCREVABLE, JANTE EN POLYPROPYLENE AVEC ESSIEU

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 31 31	POPS-370/20x235VM	370	75	235	20		100












POPS

RODAS COM PNEU ANTI-FURO, JANTE EM POLIPROPILENO COM EIXO

WHEELS WITH PUNCTURE PROOF TYRE, RIM IN POLYPROPYLENE WITH AXLE

ROUES AVEC PNEU INCREVABLE, JANTE EN POLYPROPYLENE AVEC ESSIEU

							
Código/Code	Ref.	mm	mm	mm	mm		Kg
10 31 32	POPS-370/20x217PR	370	75	217	20		100
10 31 30	POPS-370/20x235PR	370	75	235	20		100



TINA / REIN / BAC

TINA REFORÇADA PARA CARROS DE MÃO (CONSTRUÇÃO CIVIL, AGRICULTURA E OUTROS FINS)
ACABAMENTO - NATURAL

REINFORCED WHEELBARROW BODY (BUILDING CONSTRUCTION, AGRICULTURE)
FINISHING - NATURAL

BAC RENFORCÉ POUR BROUETTES (CONSTRUCTION CIVILE, AGRICULTURE)
FINITION - BRUTE



Código Code	Ref.	Capacidade / Capacity / Capacité	
		Água / Water / Eua	Terra / Earth / Terre
40 79 01	TR-80.65.22	55	75
40 79 15	TR-80.65.31	70	90
40 79 20	TR-90.60.27*	63	85

*RECOMENDADO PARA CONSTRUÇÃO (INTERIORES)

SUITABLE FOR INDOOR BUILDING

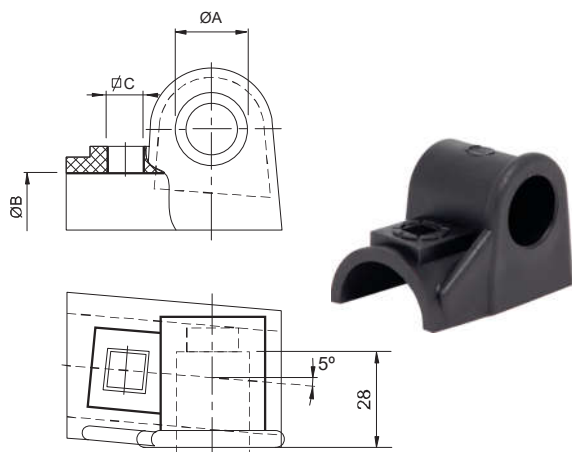
RECOMMANDÉE POUR L'INTÉRIEUR DES CHANTIERS

CHUMACEIRA / PILLOW BLOCK / PALIER

CHUMACEIRA EM MATERIAL TERMOPLÁSTICO PARA CARROS DE MÃO

THERMOPLASTIC MATERIAL PILLOW BLOCK FOR WHEELBARROWS

PALIER EN MATIERE TERMOPLASTIQUE POUR BROUETTES



Código Code	Ref.	ØA mm	ØB mm	ØC mm
47 41 11	CH-33.21/E	21	33	8,5
47 41 12	CH-33.21/D	21	33	8,5

1/BS

RODAS EM BORRACHA PRETA, NÚCLEO EM POLIPROPILENO COM CUBO LISO

BLACK RUBBER WHEELS, CENTRE IN POLYPROPYLENE WITH PLAIN BEARING

ROUES EN CAOUTCHOUC NOIR, CORPS EN POLYPROPYLENE AVEC MOYEU LISSE

Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
10 17 55	1/BS-160.20	160	40	57	20			130
10 17 59	1/BS-180.20	180	45	57	20			180
10 17 61	1/BS-200.20	200	50	57	20			200
10 17 66	1/BS-250	250	58	68	20			220

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A



BNPS

RODAS EM BORRACHA PRETA, NÚCLEO EM POLIPROPILENO COM CUBO LISO, DESCENTRADO

BLACK RUBBER WHEELS, CENTRE IN POLYPROPYLENE WITH OFFSET HUB, PLAIN BEARING

ROUES EN CAOUTCHOUC NOIR, CORPS EN POLYPROPYLENE AVEC MOYEU EN DÉPORT ET LISSE

Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
10 18 65	BNPS-250.25	250	58	75	25	70		150
10 18 73	BNPS-300.25	300	58	75	25	70		150

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A



BNES/LN

RODAS EM BORRACHA PRETA, JANTE METÁLICA ZINCADA, CUBO LISO, EM POLIAMIDA (BNES/LN)

BLACK RUBBER WHEELS, METALLIC RIM COVERED WITH ZINC, HUB ON POLYAMIDE (BNES/LN)

ROUES EN CAOUTCHOUC NOIR, JANTE MÉTALLIQUE ZINGUÉE, MOYEU LISSE, EN POLYAMIDE (BNES/LN)

Código/Code	Ref.	mm	mm	mm	mm	mm	mm	Kg
10 06 80	BNES/LN-350	350	65	70	30			300
10 06 85	BNES/LN-370	370	75	70	30			300
10 06 91	BNES/LN-400	400	90	70	30			300

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A

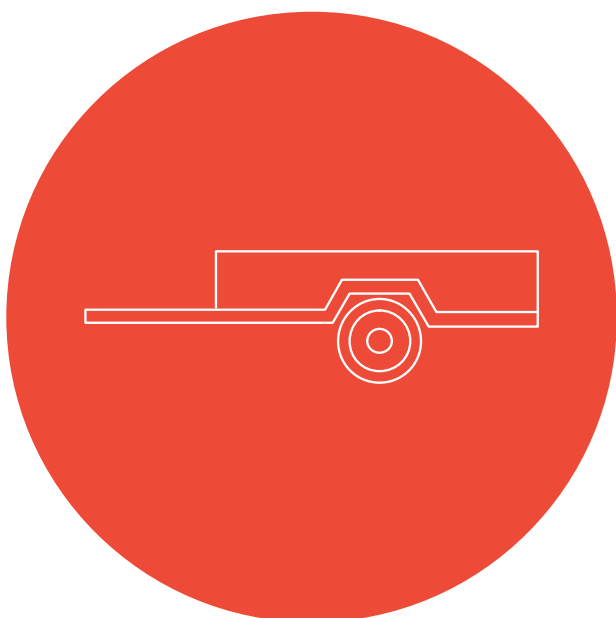
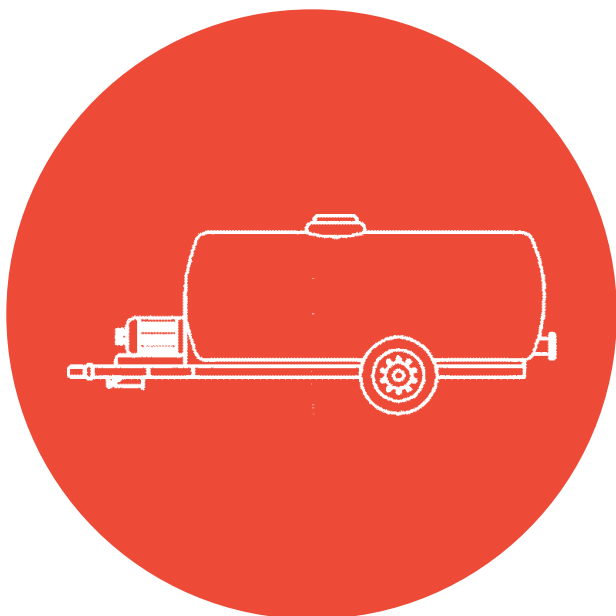


BNES/F















10 07 65	BNES/F-250	250	46	58	21			50
10 07 76	BNES/F-310	310	60	62	24			60

DUREZA - 80 Shore A; *HARDNESS* - 80 Shore A; DURETÉ - 80 Shore A









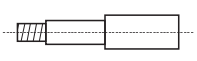





COMPONENTES PARA ATRELADOS
TRAILERS COMPONENTS
COMPOSANTS POUR REMORQUES

	Cubo Hub Moyeux		Ponta de eixo aplicar Axle stub to use Axe en fusée à utiliser		Eixo Axle Essieu
	Diâmetro de encaixe na jante Diameter of mounting on Diamètre d'encaissement dans la jante		Rolamento de precisão (esferas) Precision balls bearings Roulement à billes de précision		Capacidade de carga Load capacity Capacité de charge
	Diâmetro da fixação Fixing diameter Diamètre de fixation		Rolamento de rolos cônicos Taper roller bearings Roulement à galets coniques		Carga máxima a rebocar Max. trailer load Charge de traction totale
	Diâmetro do perno de fixação Fixing bolt diameter Diamètre du goujon de fixation		Rolamento 2 pistas esferas de contacto angular Double row thrust ball bearing Roulement à deux rangées de billes à contact angulaire		Carga máx. sobre a esfera Max. nose weight Max. charge verticale
	Cubo com ponta de eixo Hub with axle Moyeux avec axe en fusée		Área de travagem Brake size Surface de freinage		

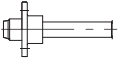





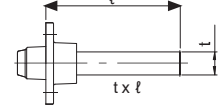


ATRELADOS AEROPORTO / AIRPORT TROLLEYS BAGGAGE / VOITURE DE BAGAGES D'AÉROPORT

CUBOS SEM TRAVÃO / UNBRAKED HUBS / MOYEURS SANS FREIN




							
Código/Code	Ref.	Kg	mm	mm	mm		
*31 08 00	C-80.62	600	79	115	4xM14		Ø38 cod. 32 30 02
** 31 08 01	C-80.62 RET.40	600	79	115	4xM14		-

* Ø INTERIOR RETENTOR =36
** Ø INTERIOR RETENTOR =40



							
Código/Code	Ref.	Kg	mm	mm	mm		
30 22 41	C-1500/RC140x5+PE-Ø50	1500	94	140	5xM14		Ø50x295



		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1		
Código/Code	Ref.	mm	mm			mm	mm	Min.	Máx.
*30 30 04	3.00D-8 /2	80	115	15	4 x E/90°	-4	4-4	4.00-8	5.00-8
30 43 04	4.33R-8 /2REP	94	140	18,5	5 x E/90°	-3	3-3	18x7-8	18x7-8

*Jante sem furo de válvula / Rim for solid tyre / Roue sans trou à valve






RODA MACIÇA, JANTE METÁLICA PINTADA

SOLID WHEEL, PAINTED METALLIC RIM

ROUE MASSIF, JANTE MÉTALLIQUE PEINTE








Código/Code	Ref.	 mm	 mm	Código Code	 kg	
					6 Km/h	25 Km/h
10 95 93	4.00-8/TR-115x4	400	100	30 30 04	950	730

RODA PNEUMÁTICA, JANTE METÁLICA PINTADA

PNEUMATIC WHEEL, PAINTED METALLIC RIM

ROUE PNEUMATIQUE, JANTE MÉTALLIQUE PEINTE






Código/Code	Ref.	 mm	 mm	P.R.	 bar	 km/h	Código Code	 kg

BANDAGEM EM BORRACHA

SOLID RUBBER TYRE

BANDAGE EN CAOUTCHOUC



Código/Code	Ref.	 mm	 mm	Código Code	 kg	
					6 Km/h	25 Km/h
46 03 61	4.00-8TR	400	100	3.00D-8	950	730

CUBOS SEM TRAVÃO / UNBRAKED HUBS / MOYEUX SANS FREIN

Código/Code	Ref.	Kg	mm		mm	mm	mm	mm
			Ø	Ø				
31 11 65	C-300/RE-98x4	300	58	98	4xM12	2	2	2
31 11 62	C-300/RC-98x4	300	58	98	4xM12	2	2	2
31 11 63	C-375/RC-98x4	375	58	98	4xM12	2	2	2
31 11 64	C-500/RC-98x4	500	58	98	4xM12	2	2	2



**31 11 67	C-300/RE/E-98x4	300	58	98	4xM12	2	2	2
31 09 06	C-1500/RC-140x5	1500	93	140	5xM14	2	2	2



** - CUBO ESTANQUE / TIGHT HUB / MOYEU ÉTANCHE

- RE- ROLAMENTO ESFERAS / PRECISION BALLS BEARINGS / ROULEMENT À BILLES DE PRÉCISION
 - RC- ROLAMENTO ROLOS CÔNICOS / TAPER ROLLER BEARINGS / ROULEMENT À GALETS CONIQUES

Código/Code	Ref.	*Kg	mm		mm	mm	mm	mm	t x l
			Ø	Ø					
39 22 36	C-300/RE-98x4+PE-Ø30	300	58	98	4xM12	2	2	2	Ø30x170
39 22 31	C-300/RC-98x4+PE-Ø30	300	58	98	4xM12	2	2	2	Ø30x290
39 22 32	C-500/RC-98x4+PE-Ø38	500	58	98	4xM12	2	2	2	Ø38x150
39 22 41	C-1500/RC-140x5+PE-Ø50	1500	93	140	5xM14	2	2	2	Ø50x295



*REBOQUE SIMPLES, VELOCIDADE 40 KM/H

*TRAILERS UP TO 40KM/H

*REMORQUES SIMPLES, VITESSE 40KM/H

Código/Code	Ref.	*Kg	mm		mm	mm	mm	mm	t x l
			Ø	Ø					
39 22 40	C-950/RC-140x5+PE- Ø40	950	93	140	5xM16	2	2	2	Ø40x240
39 22 42	C-1550/RC-140x5+PE- Ø50	1550	93	140	5xM16	2	2	2	Ø50x275
39 22 43	C-2400/RC-205x6+PE- Ø60	2400	160	205	6xM18	2	2	2	Ø60x350



*REBOQUE SIMPLES, VELOCIDADE 40 KM/H

*TRAILERS UP TO 40KM/H

*REMORQUES SIMPLES, VITESSE 40KM/H

TRAVÃO ESTÁTICO, VELOCIDADE MÁXIMA 40 KM/H

PARKING BRAKED, MAXIMUM SPEED 40 KM/H

FREIN STATIQUE, VITESSE MAXIMUM 40 KM/H



Código/Code	Ref.	*Kg	Ø mm	Ø mm	Ø mm	mm		t x l
31 11 42	C-58.47RE/T-Ø30	300	150x25	58	98	4xM12		Ø30x170



31 09 16	C-1550.140x5/T- Ø 50	1500	200x40	93	140	5xM16		Ø50x500
31 16 04	C-2400.205x6/T- Ø 60	2400	250x60	160	206	6xM18		Ø60x500

*REBOQUE SIMPLES, VELOCIDADE 40 KM/H

*TRAILERS UP TO 40KM/H

*REMORQUES SIMPLES, VITESSE 40KM/H

TRAVÃO DE RETROMARCA PARA REBOQUES MAIS DE 25 KM/H

AUTO REVERSE WHEEL BRAKE FOR TRAILERS OVER 25 KM/H

FREIN AVEC MARCHE ARRIÈRE POUR REMORQUES À PLUS DE 25 KM/H



Código/Code	Ref.	Kg**	Ø mm	Ø mm	Ø mm	mm		t x l
31 07 41	C-1500.122x5/TTR(PAR)	1500	200x50	56	112	5xM14		Ø39x220
31 07 42	C-1800.112x5/TTR(PAR)	1800	250x40	56	112	5xM14		Ø49x245

**CAPACIDADE DE CARGA PARA DOIS CUBOS

**LOAD CAPACITY FOR TWO HUBS

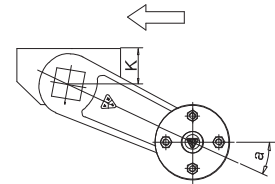
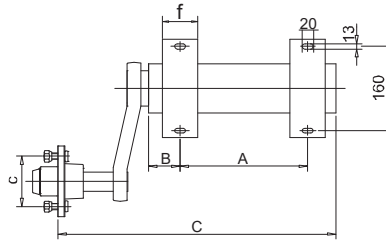
**CAPACITÉ DE CHARGE POUR DEUX MOYEUX

SEMI-EIXOS / HALF AXLES / DEMI ESSIEUX

SEMI-EIXOS COM SUSPENSÃO DE BORRACHA SEM TRAVÃO,
ACABAMENTO SUPERFICIAL DO TUBO ZINCADO

*RUBBER SUSPENSION HALF AXLES WITHOUT BRAKE,
SUPERFICIAL FINISHING OF TUBE COVERED WITH ZINC*

DEMI ESSIEUX AVEC SUSPENSIONS EN CAOUTCHOUC SANS FREIN,
FINITION SUPERFICIELLE DU TUBE ZINGUÉ



por par per pair pour paire		por par per pair pour paire	A	B	C	a	Øc	f	K	
Código/Code	Ref.	Kg	mm	mm	mm		mm	mm	mm	☐☐
*33 56 07	B-250.98/E	250	110	40	345	30°	98x4	50	55	6005 2RS-6204 2RS
*33 56 10	B-450.98/E	450	200	45	410	30°	98x4	60	55	6005 2RS-6204 2RS
33 56 17	B-250.98	250	110	40	355	30°	98x4	50	55	6005 2RS-6204 2RS
33 56 20	B-450.98	450	200	45	420	30°	98x4	60	55	6005 2RS-6204 2RS

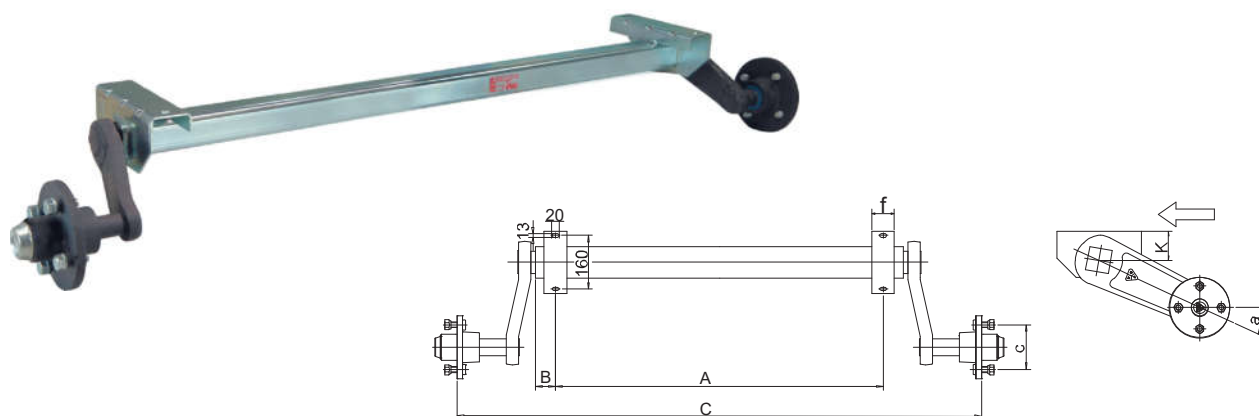
* EQUIPADO COM CUBO ESTANQUE / EQUIPPED WITH TIGHT HUB / ÉQUIPÉ AVEC MOYEU ÉTANCHE





EIXOS SEM TRAVÃO / NON BRAKED AXLES / ESSIEUX SANS FREIN

EIXOS COM SUSPENSÃO DE BORRACHA SEM TRAVÃO,
ACABAMENTO SUPERFICIAL DO TUBO ZINCADO

NON-BRAKED RUBBER SUSPENSION AXLES,
SUPERFICIAL FINISHING OF THE TUBE COVERED WITH ZINC

ESSIEUX ROUTIERS À SUSPENSION EN CAOUTCHOUC
SANS FREIN, FINITION SUPERFICIELLE DU TUBE ZINGUÉ



			A	B	C	a	Øc	f	K	 / 
Código/Code	Ref.	Kg	mm	mm	mm		mm	mm	mm	
33 90 05	EX-350.98	350	895	35	1235	30°	98x4	50	55	6005 2RS-6204 2RS
*33 90 12	EX-350.98/E	350	1160	40	1500	30°	98x4	50	55	6005 2RS-6204 2RS
33 90 15	EX-350.98	350	1160	35	1500	30°	98x4	50	55	6005 2RS-6204 2RS
33 90 19	EX-450.98	450	1310	35	1650	30°	98x4	60	55	6005 2RS-6204 2RS
*33 90 21	EX-450.98/E	450	1310	40	1650	30°	98x4	60	55	6005 2RS-6204 2RS
33 90 23	EX-600.98	600	1340	35	1685	30°	98x4	60	55	30205-30203
33 90 26	EX-750.98	750	1200	40	1570	30°	98x4	50	58	30205-32004
33 90 31	EX-1000.98	1000	1530	55	1935	25°	98x4	60	65	32006-32004
33 90 39	EX-1500.140	1500	1530	60	1935	25°	140x5	60	65	32206- 30204

* EQUIPADO COM CUBO ESTANQUE / EQUIPPED WITH TIGHT HUB / ÉQUIPÉ AVEC MOYEU ÉTANCHE

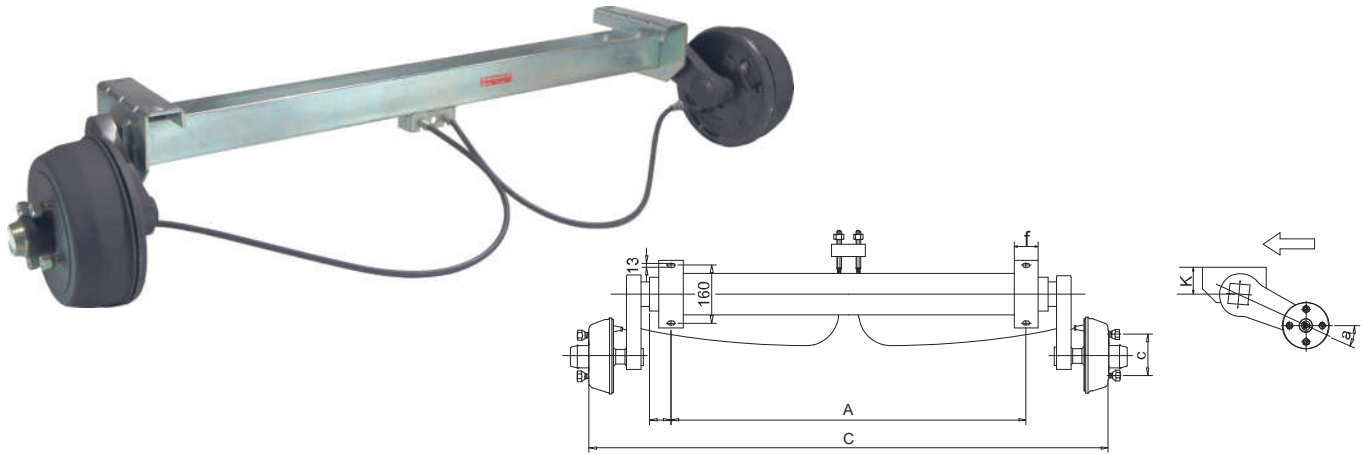
Sob pedido, outras dimensões / Under request, others dimensions / Sous demande, autres dimensions











EIXOS COM TRAVÃO / AXLES WITH BRAKED / ESSIEUX AVEC FREIN

EIXOS COM SUSPENSÃO DE BORRACHA COM TRAVÃO
RETROMARCHA PARA REBOQUES MAIS DE 25 KM/H,
ACABAMENTO SUPERFICIAL DO TUBO ZINCADO

*RUBBER SUSPENSION AXLES WITH BRAKE
FOR TRAILERS OVER 25 KM/H,
SUPERFICIAL FINISHING OF TUBE COVERED WITH ZINC*

ESSIEUX ROUTIERS À SUSPENSION EN CAOUTCHOUC AVEC FREIN
POUR REMORQUES À PLUS 25 KM/H,
FINITION SUPERFICIELLE DU TUBE ZINGUÉ



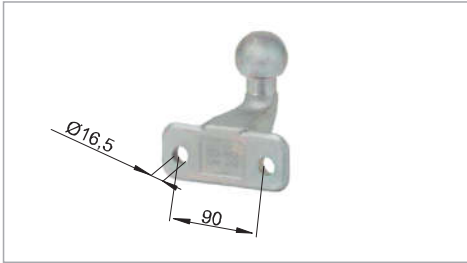
				A	C	a	Øc	f	K	
Código/Code	Ref.	Kg	mm	mm	mm		mm	mm	mm	
33 90 81	EX-750.98/TTR-DP	750	Ø160x35	-	-	30°	98x4	50	55	
33 90 84	EX-1000.98/TTR-DP	1000	Ø160x35	-	-	30°	98x4	50	55	
33 90 77	EX-1150x112x5/TTR	1150	Ø200x50	-	-	25°	112x5	50	55	
33 90 78	EX-1350x112x5/TTR	1350	Ø200x50	-	-	25°	112x5	50	55	
33 90 79	EX-1500x112x5/TTR	1500	Ø200x50	-	-	25°	112x5	50	55	
33 90 80	EX-1800x112x5/TTR	1800	Ø250x40	-	-	25°	112x5	60	65	



Dimensões A, C sob pedido
Under request, dimensions A, C
Dimensions A, C sous demande

ESFERA PARA ENGATES (Ø50 - ISO 1103)



TOW BALL (Ø50 - ISO 1103)

ROTULE (Ø50 - ISO 1103)



Código/Code	Ref.		
		Kg	Kg
33 50 02	E-50/1	350	3500



Código/Code	Ref.		
		Kg	Kg
33 50 04	EM-50	250	*

*eixo 3500
*esfera 1500

PROTECTOR ESFERA (Ø50)

TOW BALL COVER (Ø50)

CACHE ROTULE (Ø50)



REF.: PROTECTOR: PE.50/1



Código/Code
33 50 11

ENGATES DE ESFERA SEM TRAVAO



COUPLINGS FOR NON-BRAKED TRAILERS

CROCHETS TÊTE D'ATTELAGE SANS FREIN





Código/Code	Ref.	A	Ød	B		
					Kg	Kg
33 26 03	EE-50/750-Ø50	90	13	51	75	750
33 26 05	EE-50/1400-Ø60	90	13	61	100	1400



Código/Code	Ref.	FIG	B		
				Kg	Kg
33 26 04	EE-50/1300-Ø45	1	45	100	1300
33 26 11	EE-50/2700-Ø50	2	50	150	3000
33 26 12	EE-50/3500-Ø60	2	60	150	3500

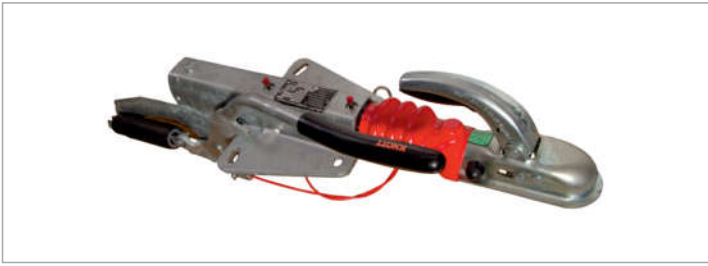


Código/Code	Ref.	ØB		
			Kg	Kg
33 26 15	EA-2000-Ø45	45	100	2000
33 26 16	EA-2700-Ø50	50	150	2700
33 26 17	EA-3500-Ø60	60	150	3500

ENGATES DE INÉRCIA COM TRAVÃO (VEL. >25 Km / h)

HYDRAULICALLY DAMPED OVERRUN-BRAKED COUPLINGS (Speed >25 Km / h)

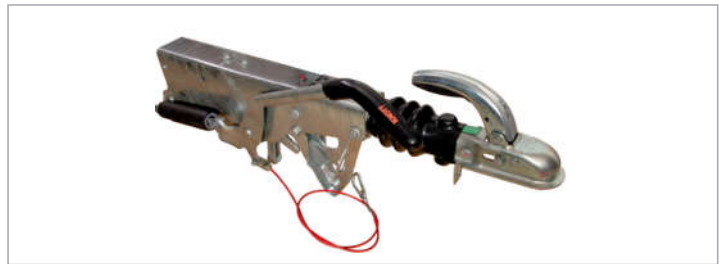
COMMANDE DE FREIN AVEC ATTACHES À INERTIE (VEL. >25 Km / h)



Código/Code	Ref.	Kg	Kg	
			min.	max.
33 91 01	TI-50/1200	100	750	1200
33 91 12	TI-50/1300	100	750	1300
33 91 05	TI-50/1700	100	800	1700
33 91 04	TI-50/2000	100	1100	2000
*33 91 08	TI-50/2700	150	1400	2700

Código/Code	Ref.	Kg	Kg	
			min.	max.
33 91 10	TI-50/3000	150	1600	3000
33 91 07	TI-50/3500	350	2700	3500

*CABEÇA EM FUNDIÇÃO / CAST IRON COUPLING / TÊTE D'ATTELAGE EN FONTE

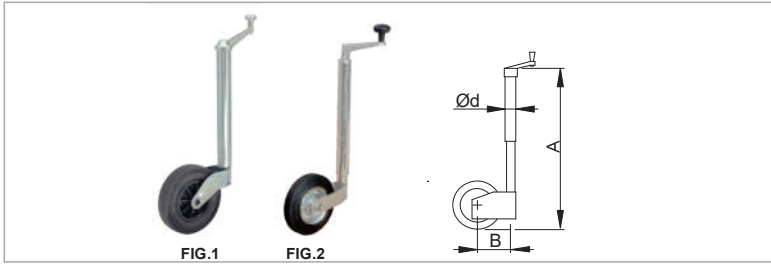


Código/Code	Ref.	Kg	Kg	
			min.	max.
33 91 15	TI-50/1300	100	750	1300
33 91 16	TI-50/2000	100	1100	2000
33 91 17	TI-50/2700	150	1400	2700

Código/Code	Ref.	Kg	Kg		Ø
			min.	max.	
33 91 22	TI-50/1300Ø60	100	750	1300	60
33 91 21	TI-50/2000Ø80	100	1100	2000	80
*33 91 23	TI-50/3000Ø100	150	1600	3000	100
*33 91 24	TI-50/3500Ø120	350	2700	3500	120

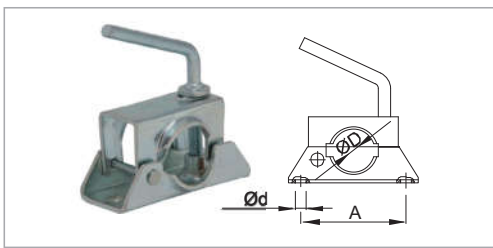
*CABEÇA EM FUNDIÇÃO / CAST IRON COUPLING / TÊTE D'ATTELAGE EN FONTE

RODAS JOCKEY
 JOCKEY WHEELS
 ROUES JOCKEY



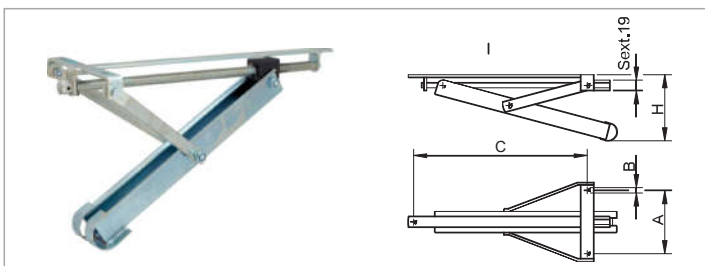
Código/Code	Ref.	FIG	mm	A min.	A max.	Ød	B	Kg
23 54 14	202/BNES/35-160	2	160	45	430	35	120	80
23 54 17	202/BNES/48-200	2	200	50	500	48	160	100
23 54 16	202/BSA/43-200	1	200	50	520	43	145	150

ABRAÇADEIRA
 CLAMP
 COLLIER



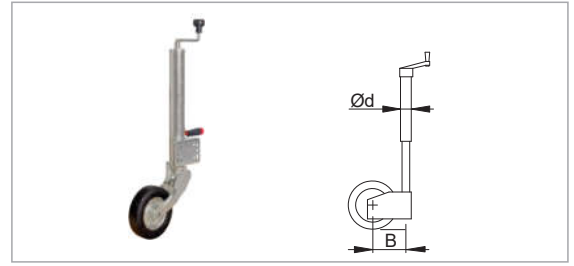
Código/Code	Ref.	ØD	A	Ød
33 91 50	AB-35	35	105	10,5
33 91 51	AB-43	43	105	10,5
33 91 52	AB-48	48	105	10,5

MACACOS
 CORNER STEADIES
 BRAS DE SUPPORT



Código/Code	Ref.	Kg	A mm	ØB mm	C mm	H(Máx.) mm
33 00 03	MA-138.442 - M16x4	200	138	11	442	415
33 00 04	MA-138.530 - M16x4	300	138	11	530	490
33 00 05	MA-215.600	1100	215	13	600	495

RODAS JOCKEY
 JOCKEY WHEELS
 ROUES JOCKEY



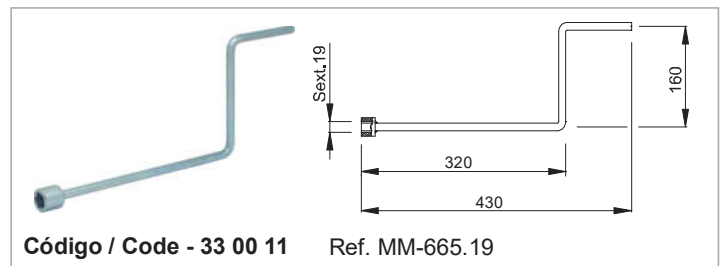
Código/Code	Ref.	mm	d	Kg
23 54 18	202/BNES/60-220	220	65	250

SAPATA
 TRAILER JACK
 BÉQUILLE



Código/Code	Ref.	FIG.	Kg
60 60 42	SAPATA-Ø60	1	800
60 60 41	SAPATA-Ø70	2	1500

MANIVELA
 BRACE
 MANIVELLE

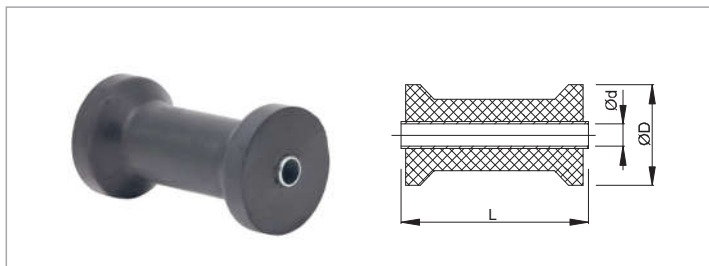


Código / Code - 33 00 11 Ref. MM-665.19

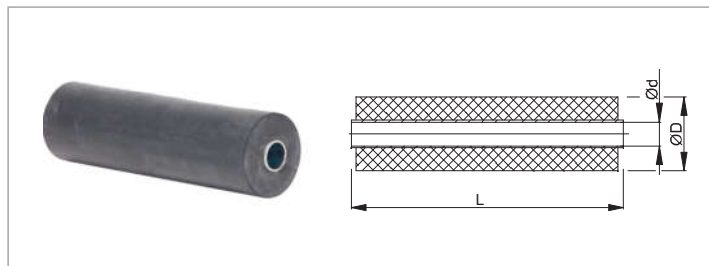
COMPONENTES PARA ATRELADOS DE BARCOS OU SIMILARES

COMPONENTS FOR BOAT TRAILERS OR SIMILAR

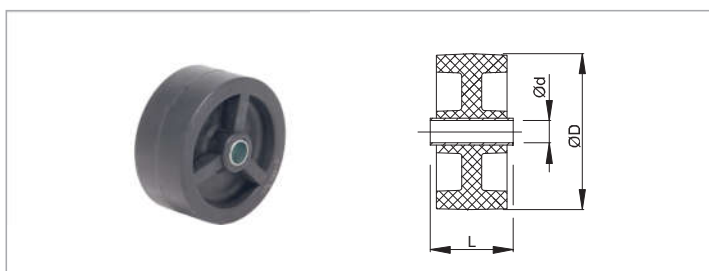
PIÈCES POUR REMORQUES DE BATEAUX OU SIMILAIRES



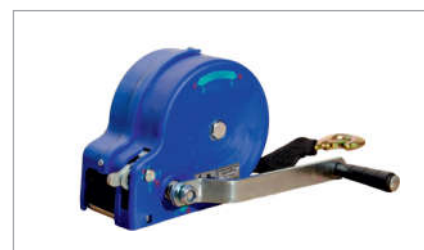
Código/Code	Ref.	ØD mm	L mm	Ød mm
39 52 01	BN-70x125.16	70	126	16
39 52 04	BN-80x150.16	80	157	16



Código/Code	Ref.	ØD mm	L mm	Ød mm
39 52 02	BN-50x175.16	50	178	16



Código/Code	Ref.	ØD mm	L mm	Ød mm
39 52 00	BN-110x50.16	110	58	16



Código/Code	Ref.	Kg
60 60 08	GUINCHO 450 KG	450
60 60 09	GUINCHO 1150 KG	1150



GUARDA - LAMAS

FENDER

GARDE - BOUES



Código/Code	Ref.	A mm	B mm	C mm
60 60 46	Guarda - Lamas Plast. PR - 10''	620	240	180
60 60 48	Guarda - Lamas Plast. PR - 13''	770	335	200
*60 60 53	Guarda - Lamas Plast. AZ - 14''	790	370	220
60 60 52	Guarda - Lamas Plast. PR -2x14''	1550	400	240

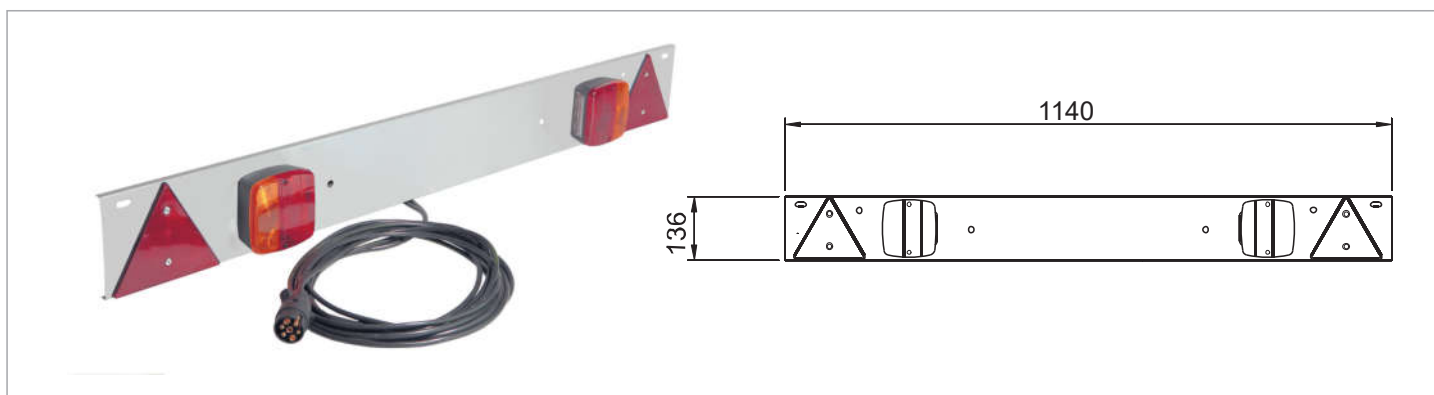
*AZUL / BLUE / BLEU

SOB PEDIDO GUARDA LAMAS GALVANIZADO

PLACA DE SINALIZAÇÃO

LIGHT BOARD TOWING

PLAQUE D'ÉCLAIRAGE



Código/Code	Ref.
33 09 02	Placa Sinal. c/ Kit Elect.

- CHAPA METÁLICA PINTADA
- CABOS 4 METROS
- CONJUNTO COM 4 FUNÇÕES
- METTALIC PLATE PAINTED
- 4 METERS CONNEXION CABLE
- MULTIFUNCTION
- PLAQUE MÉTALLIQUE PEINTE
- CÂBLE DE 4 MÈTRES
- ENSEMBLE À 4 FONCTIONS



Jante
Rim
Roue

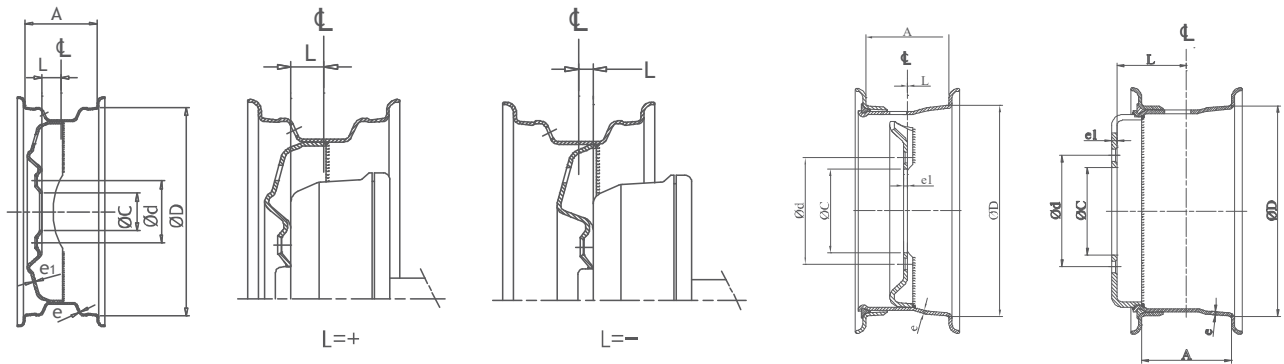


Velocidade máxima
Maximum speed
Vitesse maximum



Pneumático
Tyre
Pneumatique

INFORMAÇÃO TÉCNICA / TECHNICAL INFORMATION / INFORMATION TECHNIQUE



As jantes são fabricadas segundo as normas ETRTO | The rims are made according to ETRTO standards | Les roues sont fabriquées selon les normes ETRTO

A { Largura interior da jante (em polegadas - 1" = 25.4mm)
Rim width (in inch)
Largeur de jante (en pouces anglais - 1" = 25.4mm)

ØD { Diâmetro Nominal (em polegadas - 1" = 25.4mm)
Nominal Diameter (in inch)
Diamètre d' accrochage (en pouces anglais - 1" = 25.4mm)

ØC { Diâmetro de encaixe da jante
Bore (centre - hole) diameter
Diamètre intérieur

Ød { Diâmetro de fixação
Pitch circle diameter
Diamètre d'implantation des trous d'axe

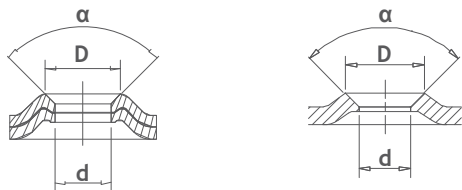
L { OFFSET: Distância entre a linha de centro do aro e a face de contacto com o cubo
OFFSET: Distance from the centre line of the rim to the mounting face of the nave plate
DÉPORT: Distance entre le plan médian de la jante (axe de la jante) et la face du disque venant en contact avec le moyeu

ℓ { Linha de centro
Rim well
Creux de jante

e { Espessura do aro
Ring's thickness
Épaisseur de la jante

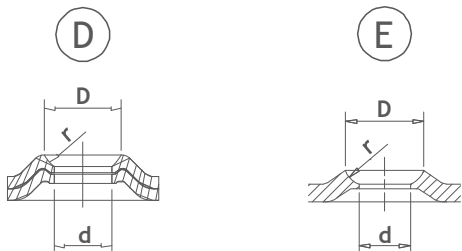
e1 { Espessura do centro
Centre's thickness
Épaisseur du voile

TIPOS DE FURAÇÃO / SHAPES OF BOLT HOLES / TABLEAU D'ATTACHES



Alojamentos cónicos / Conical fitting / Ecrou conique

Nº	d	D	α
23	13	17	60°
55	12.3	16	90°



Alojamentos esféricos / Spherical fitting / Ecrou spherique

Nº	d	D	r
1	18.5	24	14
12	16	20	12

*outras cores podem ser fornecidas sob consulta / other colours can be provided upon request / autres couleurs peuvent être fournies sur demande

RAL 9003	RAL 9010	RAL 9001	NCS S 1030-Y20R	RAL 1021	RAL 1028	RAL 2004	RAL 3020	RAL 9028	RAL 9005
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JANTES PARA ATRELADOS E CARAVANAS

RIMS FOR TRAILERS AND CARAVANS

ROUES POUR REMORQUES LÉGÈRES ET CARAVANES



Código/Code	Ref.	ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
		mm	mm	mm		mm	mm			
30 25 03	2.50Ax8/S	59	98	13	4xD23	-2	2	130	4.00-8	4.80-8
30 25 05	2.50Ax8/S	85	115	12.3	4xD55	-2	2	130	4.00-8	4.80-8
30 25 04	2.50Ax8/S	85	130	18.5	4xD1	-2	2	130	4.00-8	4.80-8
30 54 02	5.375Ix8/S	59	98	13	4xD23	-2.5	2.5	130	16.5x6.5-8	16.5x6.5-8
30 35 01	3.50Bx10/S	59	98	13	4xD23	-2	2	130	4.50-10	145 R 10
30 35 02	3.50Bx10/S	85	115	12.3	4xD55	-2	2	130	4.50-10	145 R 10

* Tipos de fixação (ver página 141); Type of fitting (see page 141); Fixations possibles (vois page 141)



Código/Code	Ref.	ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
		mm	mm	mm		mm	mm			
30 35 12	3.50Bx12	59	98	13	4xE23	28	2.5-3	130	125 R 12	145 R 12
30 35 13	3.50Bx12	59	98	13	4xE23	0	2.5-3	130	125 R 12	145 R 12

* Tipos de fixação (ver página 141); Type of fitting (see page 141); Fixations possibles (vois page 141)







Código/Code	Ref.	ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
		mm	mm	mm		mm	mm			
30 40 26	4Jx13	60	100	13	4xE23	23.5	2.5-4	140	125 R 13	165 R 13
30 40 25	4Jx13	85	115	12.3	4xE55	0	2.5-4	140	125 R 13	165 R 13
30 45 23	4½Jx13	85	130	18.5	4xE1	0	2.5-4	140	135 R 13	185 R 13

* Tipos de fixação (ver página 141); Type of fitting (see page 141); Fixations possibles (vois page 141)

JANTES PARA ATRELADOS E CARAVANAS





RIMS FOR TRAILERS AND CARAVANS

ROUES POUR REMORQUES LÉGÈRES ET CARAVANES

		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 40 19	4Jx13	59	98	13	4xE23	30	2.5-3.5	140	125 R 13	165 R 13
30 40 24	4Jx13	85	130	18.5	4xE1	20	2.5-3.5	140	125 R 13	165 R 13
30 45 24	4½Jx13	59	98	13	4xE23	30	2.5-3.5	140	135 R 13	185 R 13
30 45 43	4½Jx13	60	100	13	4xE23	30	2.5-3.5	140	135 R 13	185 R 13
30 45 41	4½Jx13 (MD)	66.5	112	16	5xE12	30	2.5-3.5	140	135 R 13	185 R 13
30 45 37	4½Jx13	85	130	18.5	4xE1	20	2.5-3.5	140	135 R 13	185 R 13
30 45 38	4½Jx13	85	130	18.5	4xE1	30	2.5-3.5	140	135 R 13	185 R 13
30 50 15	5Jx14	59	98	13	4xE23	30	3-3.5	140	145 R 14	205 R 14
30 50 42	5Jx14 (MD)	66.5	112	16	5xE12	30	3-5	140	145 R 14	205 R 14

* Tipos de fixação (ver página 141); Type of fitting (see page 141); Fixations possibles (vois page 141)



		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 60 37	6Jx15 (MD)	66.5	112	16	5xE12	30	3.5-6	140	165 R 15	235 R 15
30 60 33	6Jx15	94	140	18.5	5xE1	0	3.5-6	140	165 R 15	235 R 15
30 60 36	6Jx15 (SK)	110	139.7	15	5xE60°	30	3.5-6	140	165 R 15	235 R 15
30 60 34	6Jx15 (NS)	110	139.7	15	6xE60°	30	3.5-6	140	165 R 15	235 R 15
30 60 39	6Jx15 (LR)	115.2	165.1	19	5xA80°	30	3.5-6	140	165 R 15	235 R 15
30 60 49	6Jx16 (MD)	66.5	112	16	5xE12	30	3.5-6	140	165 R 16	235 R 16
30 60 43	6Jx16	94	140	18.5	5xE1	0	3.5-6	140	165 R 16	235 R 16
30 60 46	6Jx16 (SK)	110	139.7	15	5xE60°	30	3.5-6	140	165 R 16	235 R 16
30 60 44	6Jx16 (NS)	110	139.7	15	6xE60°	30	3.5-6	140	165 R 16	235 R 16
30 60 48	6Jx16 (LR)	115.2	165.1	19	5xA80°	30	3.5-6	140	165 R 16	235 R 16

* Tipos de fixação (ver página 141); Type of fitting (see page 141); Fixations possibles (vois page 141)





Jante
Rim
Roue

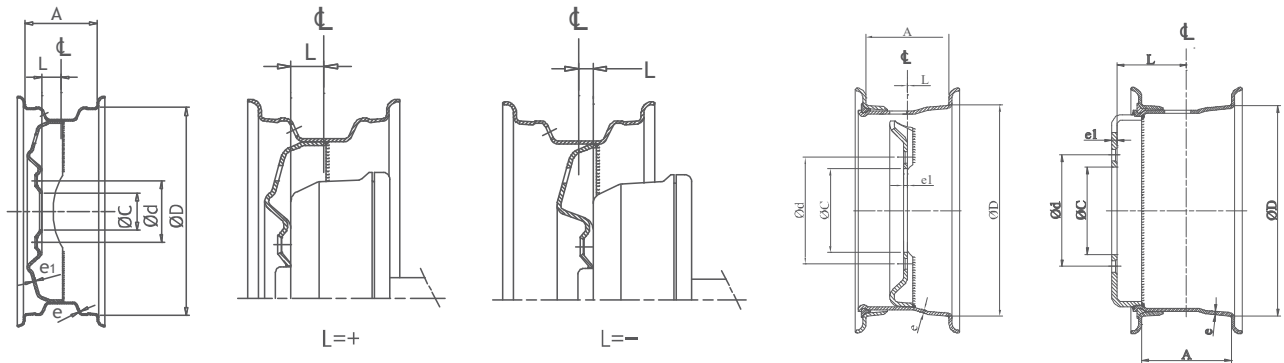


Velocidade máxima
Maximum speed
Vitesse maximum



Pneumático
Tyre
Pneumatique

INFORMAÇÃO TÉCNICA / TECHNICAL INFORMATION / INFORMATION TECHNIQUE

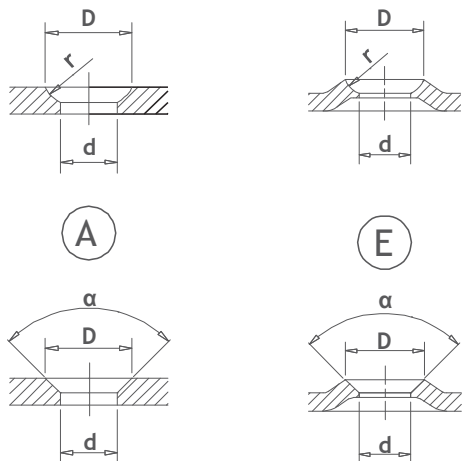


As jantes são fabricadas segundo as normas ETRTO | The rims are made according to ETRTO standards | Les roues sont fabriquées selon les normes ETRTO

- A { Largura interior da jante (em polegadas - 1" = 25.4mm)
Rim width (in inch)
Largeur de jante (en pouces anglais - 1" = 25.4mm)
- ØD { Diâmetro Nominal (em polegadas - 1" = 25.4mm)
Nominal Diameter (in inch)
Diamètre d'accrochage (en pouces anglais - 1" = 25.4mm)
- ØC { Diâmetro de encaixe da jante
Bore (centre - hole) diameter
Diamètre intérieur
- Ød { Diâmetro de fixação
Pitch circle diameter
Diamètre d'implantation des trous d'axe

- L { OFFSET: Distância entre a linha de centro do aro e a face de contacto com o cubo
OFFSET: Distance from the centre line of the rim to the mounting face of the nave plate
DÉPORT: Distance entre le plan médian de la jante (axe de la jante) et la face du disque venant en contact avec le moyeu
- ℓ { Linha de centro
Rim well
Creux de jante
- e { Espessura do aro
Ring's thickness
Épaisseur de la jante
- e1 { Espessura do centro
Centre's thickness
Épaisseur du voile

TIPOS DE FURAÇÃO / SHAPES OF BOLT HOLES / TABLEAU D'ATTACHES



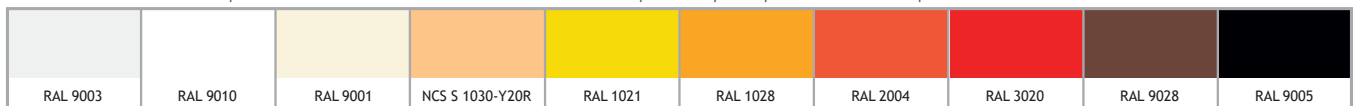
Alojamentos esféricos / Spherical fitting / Ecrou sphérique

Nº	d	D	r
1	18.5	24	14
2	21.5	27	16
12	16	20	12

Alojamentos cónicos / Conical fitting / Ecrou conique

Nº	d	D	α
21	21.5	27	90°





*outras cores podem ser fornecidas sob consulta / other colours can be provided upon request / autres couleurs peuvent être fournies sur demande



JANTES PARA ATRELADOS E MÁQUINAS AGRÍCOLAS





RIMS FOR AGRICULTURAL - TRAILERS AND AGRICULTURAL MACHINES

ROUES POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES

		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 70 02	7.00Ix12	94	140	18.5	5xE1	0	3-5	40	10.0/80-12	23x8.50-12
30 70 13	7.00Ix12	161	205	21.5	6xA21	0	3-5	40	22x8.50-12	23x8.50-12
30 80 11	W8x16	94	140	18.5	5xE1	0	4-6	40	9.00-16	11.00-16
30 80 10	W8x16	161	205	21.5	6xE21	0	4-6	40	9.00-16	11.00-16



* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)

		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 40 13	4Jx13	59	98	13	4x98	0	2.5-4	40	125 R 13	165 R 13
30 40 12	4Jx13	94	140	18.5	5xE1	0	2.5-4	40	125 R 13	165 R 13
30 45 15	4½Jx13	94	140	18.5	5xE1	0	2.5-4	40	135 R 13	185 R 13
30 50 17	5Jx14	94	140	18.5	5xE1	0	3-5	40	145 R 14	205 R 14



* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)

JANTES PARA ATRELADOS E MÁQUINAS AGRÍCOLAS

RIMS FOR AGRICULTURAL - TRAILERS AND AGRICULTURAL MACHINES

ROUES POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES



Código/Code	Ref.	ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1	Km/h	Min.	Máx.
		mm	mm	mm		mm	mm			
30 45 49	4.50Jx12	94	140	18.5	5xE1	0	3-4	40	6.00-12	7.00-12
30 45 30	4.50Ex15	94	140	18.5	5xE1	0	4-4	40	6.5-15	6.5-15
30 40 17	4.00Ex16	94	140	18.5	5xE1	-25	3-5	40	5.00-16	6.50-16
30 45 29	4.50Ex16	85	130	18.5	4xA1	0	4-8	40	5.50-16	7.50-16
30 45 05	4.50Ex16	94	140	18.5	5xE1	0	4-5	40	5.50-16	7.50-16
30 45 07	4.50Ex16	161	205	21.5	6xE2	0	4-5	40	5.50-16	7.50-16
30 55 22	5.50Fx16	94	140	18.5	5xE1	0	4-6	40	6.50-16	8.25-16
30 55 01	5.50Fx16	161	205	21.5	6xE21	0	4-6	40	6.50-16	8.25-16

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)







Código/Code	Ref.	ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1	Km/h	Min.	Máx.
		mm	mm	mm		mm	mm			
30 50 50	5Jx15	62.5	95	15	4xE60°	0	3-5	40	6.5/80-15	180/100-15
30 60 32	6Jx15	94	140	18.5	5xE1	0	3.5-5	40	165 R 15	225 R 15

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)

JANTES PARA ATRELADOS E MÁQUINAS AGRÍCOLAS

RIMS FOR AGRICULTURAL - TRAILERS AND AGRICULTURAL MACHINES

ROUES POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES

		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 90 07	9.00x15.3	94	140	18.5	5xE1	0	4-6	40	10.0-15.3	12.5-15.3
30 90 02	9.00x15.3	94	140	18.5	5xA1	0	4-8	40	10.0-15.3	12.5-15.3
30 90 03	9.00x15.3	151	203.2	21.5	5xA2	0	4-8	40	10.0-15.3	12.5-15.3
30 90 08	9.00x15.3	151	203.2	21.5	5xA2	0	4-10	40	10.0-15.3	12.5-15.3
30 90 01	9.00x15.3	161	205	21.5	6xE2	0	4-6	40	10.0-15.3	12.5-15.3
30 90 04	9.00x15.3	161	205	21.5	6xA2	0	4-8	40	10.0-15.3	12.5-15.3
30 90 09	9.00x15.3	161	205	21.5	6xA2	0	4-10	40	10.0-15.3	12.5-15.3
30 13 02	AG13.00x15.5	161	205	21.5	6xA2	0	4-8	40	400-15.5	400-15.5
30 13 03	AG13.00x15.5	161	205	21.5	6xA2	0	4-10	40	400-15.5	400-15.5
30 13 04	AG13.00x15.5	221	275	21.5	8xA2	0	4-10	40	400-15.5	400-15.5
** 30 13 06	AG13.00x15.5	161	205	21.5	6xA2	0	4-10	40	400-15.5	400-15.5
30 11 02	11x16	161	205	21.5	6xA2	0	4-8	40	340-16	360-16

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)





** Jante reforçada; Reinforced rim, Roue renforcée



MODELO FLORESTAL

FORESTRY RIM

MODÈLE FORESTIER

		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 90 14	9.00x15.3	161	205	21.5	6xA2	0	4-8	40	10.0-15.3	12.5-15.3
30 13 18	AG13.00x15.5	161	205	21.5	6xA2	0	4-10	40	400-15.5	400-15.5

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)



JANTES PARA ATRELADOS AGRÍCOLAS DE ARO DESMONTÁVEL PARA PNEUMÁTICOS

MULTI-PIECES AGRICULTURAL RIMS FOR PNEUMATIC TYRES

ROUES AGRICOLES À CERCLE POUR PNEUMATIQUES



		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 65 19	6.5-15/3	151	203.2	21.5	5xA21	0	6-10	40	7.50-15	8.25-15
30 65 20	6.5-15/3	161	205	21.5	6xA21	0	6-10	40	7.50-15	8.25-15
30 55 07	5.50F-16/3	151	203.2	21.5	5xA21	0	5-8	40	7.00-16	9.00-16
30 55 06	5.50F-16/3	161	205	21.5	6xA21	0	5-8	40	7.00-16	9.00-16
30 65 03	6.50H-16/3	161	205	21.5	6xA21	0	6-8	40	8.25-16	11.00-16

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)



		ØC	Ød	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L	e/e 1			
Código/Code	Ref.	mm	mm			mm	mm	Km/h	Min.	Máx.
30 65 26	6.5-15/3D	151	203.2	21.5	5xA21	128	6-10	40	7.50-15	8.25-15
30 65 24	6.5-15/3D	161	205	21.5	6xA21	128	6-10	40	7.50-15	8.25-15
30 55 08	5.50F-16/3D	161	205	21.5	6xA21	118	5-8	40	7.00-16	9.00-16
30 55 21	5.50F-16/3D	161	205	21.5	6xA2	118	5-8	40	7.00-16	9.00-16
30 55 29	5.50F-16/3D	151	203.2	21.5	5xA21	124	5-8	40	7.00-16	9.00-16
30 55 45	5.50F-16/3D	161	205	21.5	6xA21	124	5-8	40	7.00-16	9.00-16
30 65 04	6.50H-16/3D	161	205	21.5	6xA21	134	6-8	40	8.25-16	11.00-16

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)

JANTES BIPARTIDAS PARA PNEUMÁTICOS E PNEUS MACIÇOS

SPLIT RIMS FOR TUBE TYRES AND SOLID RUBBER TYRES

JANTES BIPARTIBLES POUR PNEUMATIQUES ET BANDAGES PLEINS













Fig. 1



Fig. 2

Código/Code	Ref.	Fig.	ØC mm	Ød mm	Ø Furo	FIXAÇÃO* FITTING* FIXATION*	L mm	e/e 1 mm	Esp. (mm)	
									Min.	Máx.
30 30 04	3.00D-8 /2	1	80	115	15	4 x E/90°	-4	4-4	4.00-8	5.00-8
30 30 03	3.00Dx8 /2REP	1	94	140	18,5	5 x E/90°	-4	4-4	4.00-8	5.00-8
30 43 04	4.33R-8 /2REP	1	94	140	18,5	5 x E/90°	-3	3-3	18x7-8	18x7-8
30 40 02	4.00E-9 /2REP	1	94	140	18,5	5 x E/90°	-4	4-4	6.00-9	6.00-9
30 50 04	5.00F-10 /2REP	1	94	140	18,5	5 x E/90°	-4	4-4	6.50-10	6.50-10
30 30 06	3.00D-8 /2	2	-	-	-	-	-4	4-4	4.00-8	5.00-8
30 43 00	4.33R-8 /2	2	-	-	-	-	-3	3-3	18x7-8	18x7-8
30 40 00	4.00E-9 /2	2	-	-	-	-	-4	4-4	6.00-9	6.00-9
30 50 12	5.00F-10 /2	2	-	-	-	-	-4	4-4	6.50-10	6.50-10
30 50 14	5.00S-12 /2	2	-	-	-	-	-5	5-5	7.00-12	7.00-12

* Tipos de fixação (ver página 144); Type of fitting (see page 144); Fixations possibles (vois page 144)











	Roda <i>Wheel</i> Roue		Pressão recomendada <i>Recommended pressure</i> Pression recommandée		Diâmetro da roda <i>Wheel diameter</i> Diamètre de la roue
	Velocidade máxima <i>Maximum speed</i> Vitesse maximum		Largura da Roda <i>Wheel width</i> Largeur de la roue		Jante utilizada <i>Wheel-rim to use</i> Jante utilisée
	Diâmetro do furo <i>Hub bore</i> Diamètre du trou		Capacidade de carga <i>Load capacity</i> Capacité de charge		Rolamento de esferas <i>Balls bearings</i> Roulement à billes
	Número de telas <i>PR number</i> Numéro de Plys				

RODAS PNEUMÁTICAS PARA ATRELADOS E CARAVANAS









PNEUMATIC WHEELS FOR TRAILERS AND CARAVANS

ROUES PNEUMATIQUES POUR REMORQUES LÉGÈRES ET CARAVANES



										
Código/Code	Ref.	mm	mm			P.R.	bar	km/h	Código Code	kg
10 72 98	4.50-10C-4TL/S-RE-25	490	125	25	6205 2Z	4	2.0	100	30 35 04	325











								
Código/Code	Ref.	mm	mm	P.R.	bar	km/h	Código Code	kg
10 72 06	16.5x6.5-8/4TL/S 98x4	410	160	4	3.1	130	30 54 02	280
10 72 97	195/55R-10C-112x5	476	209	-	6.25	140	6.00x10	750









RODAS PNEUMÁTICAS PARA ATRELADOS E CARAVANAS

PNEUMATIC WHEELS FOR TRAILERS AND CARAVANS

ROUES PNEUMATIQUES POUR REMORQUES LÉGÈRES ET CARAVANES

								
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg
10 72 04	4.80/4.00-8/4TL/S 98x4	410	110	4	4.0	130	30 25 03	265
10 72 13	4.50-10C/4TL/S 98x4	490	125	4	3.5	130	30 35 01	325
10 72 14	5.00-10C/4TL/S 98x4	510	145	4	3.5	130	30 35 01	355
10 72 05	145-10/6TL/S 98x4	490	145	6	4.0	130	30 35 01	325



								
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg
10 72 23	145/70 R-13/TL 98x4	535	145	-	2.5	140	30 40 19	345
10 72 27	155/70 R-13/TL 98x4	550	160	-	2.5	140	30 45 24	387
10 72 31	165/70 R-13/TL 98x4	570	170	-	2.5	140	30 45 24	437
10 72 35	175/70 R-13/TL 98x4	580	180	-	2.5	140	30 45 24	475
10 73 53	185/70 R-13/TL 98x4	590	189	-	2.5	140	30 45 24	530
10 73 60	195/50R-13C-112x5	534	209	-	6.5	140	5.5Jx13	900
10 72 39	185/70 R-14/TL 98x4	630	200	-	2.5	140	30 50 15	560
10 73 52	175 R-14C/TL-112x5	634	178	-	4.5	140	30 50 42	775
10 72 44	195 R-14C/8TL-112X5	678	206	8	4.5	100	30 50 42	900





Roda
Wheel
Roue



Pressão recomendada
Recommended pressure
Pression recommandée



Diâmetro da roda
Wheel diameter
Diamètre de la roue



Velocidade máxima
Maximum speed
Vitesse maximum



Largura da Roda
Wheel width
Largeur de la roue



Jante utilizada
Wheel-rim to use
Jante utilisée



Número de telas
PR number
Numéro de Plys



Capacidade de carga
Load capacity
Capacité de charge

RODAS PNEUMÁTICAS PARA ATRELADOS E MÁQUINAS AGRÍCOLAS

PNEUMATICS WHEELS FOR AGRICULTURAL-TRAILERS AND AGRICULTURAL MACHINES

ROUES PNEUMATIQUES POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES



Código/Code	Ref.	mm	mm	P.R.	bar	km/h	Código Code	kg	
10 73 39	6.00-16/6TT 140x5	736	177	6	2.75	40	30 45 05	690	
10 73 01	6.00-16/6TT 205x6	736	177	6	2.75	40	30 45 07	690	











Código/Code	Ref.	mm	mm	P.R.	bar	km/h	Código Code	kg	
10 72 53	10.0/80-12/10TL 140x5	730	277	10	3.9	40	30 70 02	1050	

RODAS PNEUMÁTICAS PARA ATRELADOS E MÁQUINAS AGRÍCOLAS









PNEUMATICS WHEELS FOR AGRICULTURAL-TRAILERS AND AGRICULTURAL MACHINES

ROUES PNEUMATIQUES POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES

								
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg
10 72 57	10.0/75-15.3/10TL 140x5	779	277	10	3.9	40	30 90 02	1550
10 72 59	10.0/75-15.3/12TL 205x6	779	277	12	4.7	40	30 90 04	1700
10 72 69	11.5/80-15.3/12TL 205x6	868	305	12	4.1	40	30 90 04	2180
10 72 77	12.5/80-15.3/14TT 205x6	915	322	14	4.3	40	30 90 04	2650
10 73 41	400/60-15.5/14TL 205x6	908	436	14	3.6	40	30 13 03	2600
*10 73 47	400/60-15.5/14TL 205x6TR	908	436	14	4.9	40	30 13 03	2600

* Piso de tração; *Traction floor*; chaussée de traction



								
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg
10 72 45	10.0/75-15.3/14TL 205x6	779	277	14	4.7	40	30 90 14	1900
10 72 46	400/60-15.5/14TL 205x6TR	908	436	14	4.9	40	30 13 18	2725

MODELO FLORESTAL / FORESTRY RIM / MODÈLE FORESTIER











RODAS PNEUMÁTICAS COM JANTE DE ARO DESMONTÁVEL PARA ATRELADOS E MÁQUINAS AGRÍCOLAS









PNEUMATIC WHEELS WITH MULTI-PIECE RIMS FOR AGRICULTURAL-TRAILERS AND AGRICULTURAL MACHINES

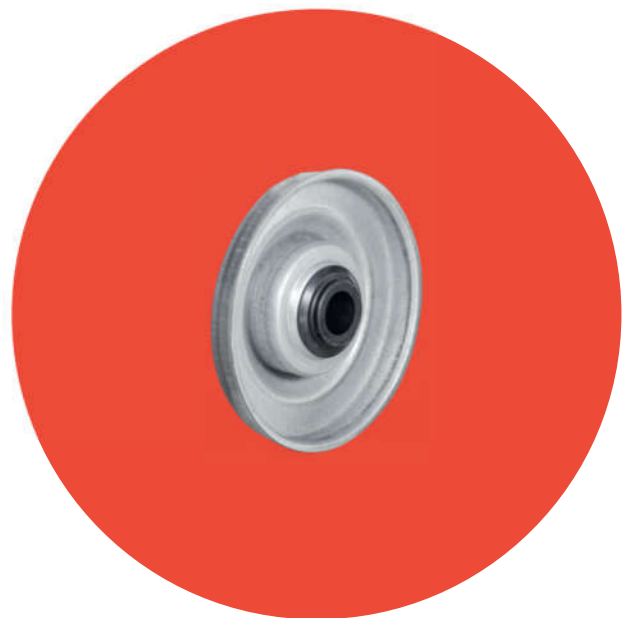
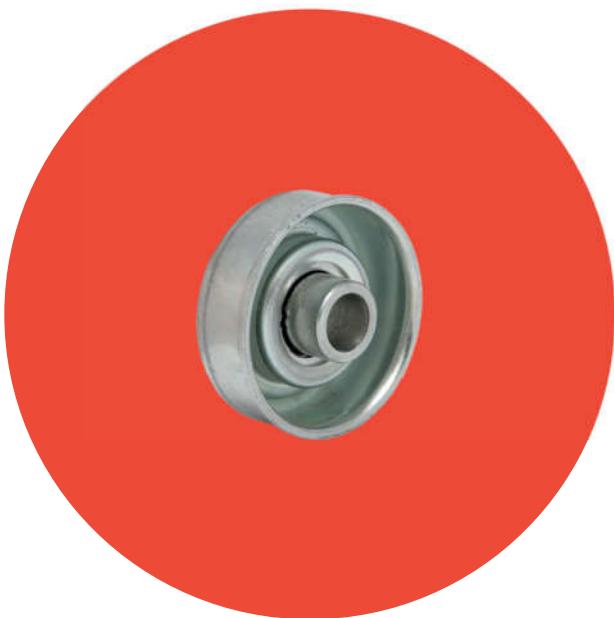
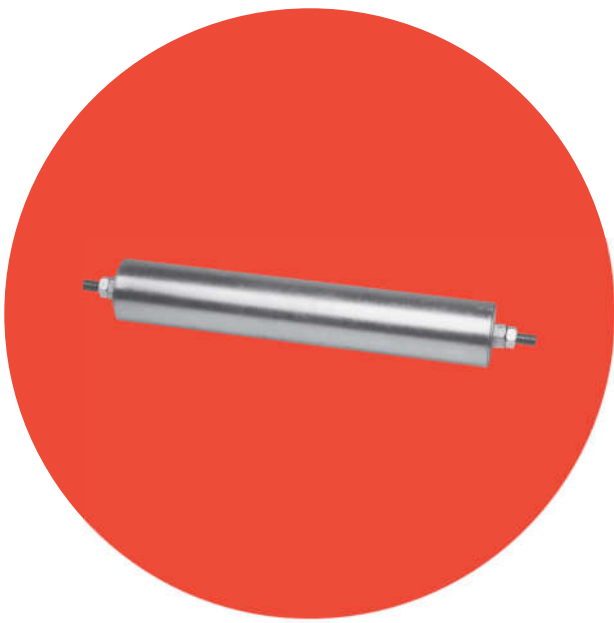
ROUES PNEUMATIQUES À CERCLE POUR REMORQUES AGRICOLES ET MACHINES AGRICOLES



									
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg	
10 73 14	9.00-16/14TT/3 205x6	898	259	14	7.0	40	30 65 03	1800	



									
Código/Code	Ref.	mm	mm		bar	km/h	Código Code	kg	
10 73 26	7.00-16/12TT/3D 205x6	794	210	12	6.0	40	30 55 05	1250	
10 73 24	7.50-16/14TT/3D 205x6	814	225	14	7.0	40	30 55 05	1350	
10 73 23	7.50-20/12TT/3D 275x8	914	225	12	6.75	40	30 60 05	1800	
10 73 28	7.50-20/14TT/3D 275x8	914	225	14	6.65	40	30 60 05	1850	
10 73 40	8.25-20/14TT/3D 205x6	980	239	14	6.75	40	30 60 01	1950	
10 73 21	8.25-20/14TT/3D 275x8	980	239	14	6.75	40	30 60 05	1950	



**ROLOS E ROLAMENTOS
ROLLERS AND BEARINGS
ROULEAUX ET ROULEMENTS**

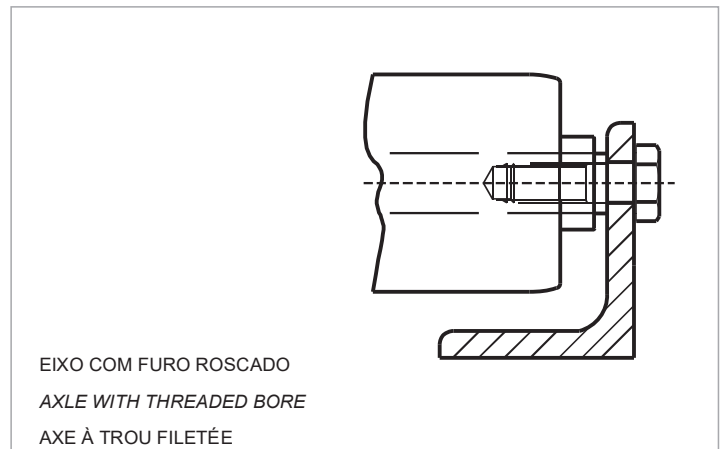
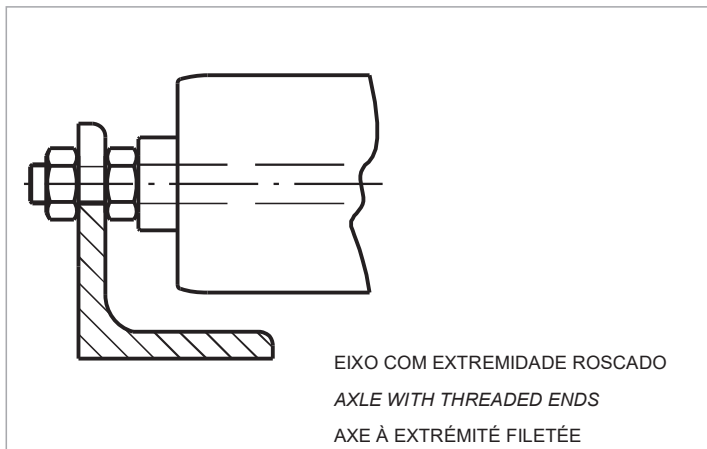
INFORMAÇÃO TÉCNICA / TECHNICAL INFORMATION / INFORMATION TECHNIQUE

EXEMPLOS DE MONTAGEM PARA ROLOS TRANSPORTADORES

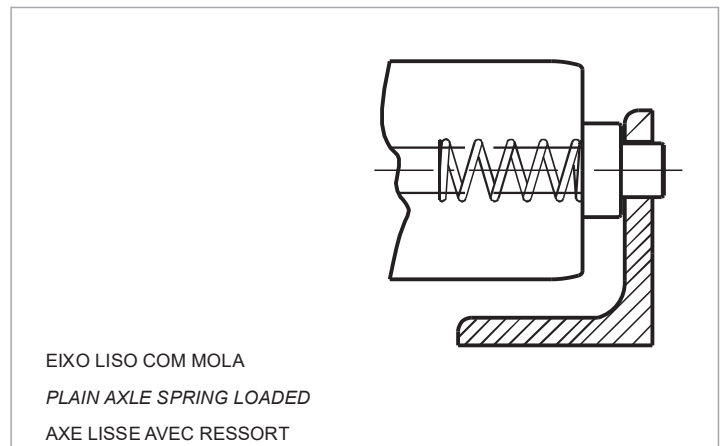
EXAMPLES OF SUPPORTS FOR CONVEYOR ROLLERS

EXEMPLES DE SUPPORTS POUR ROULEAUX TRANSPORTEURS

APOIO FIXO / FIXED SUPPORT / APPUI FIXE



APOIO LIVRE / FREE SUPPORT / APPUI LIBRE



CONDIÇÕES DE APLICAÇÃO DOS ROLOS

- ROLOS COM ROLAMENTOS ESTAMPADOS - VELOCIDADE ATÉ 200 rpm
- CARGA REPARTIDA SOBRE O ROLO
- CARGA ISENTA DE CHOQUES E ESFORÇOS AXIAIS
- TEMPERATURA DE TRABALHO ENTRE 10 a 60 °C
- LARGURA DA ESTRUTURA: 1 - 2 mm ALÉM DE "C"

CONDITIONS OF UTILIZATION FOR CONVEYOR ROLLERS:

- ROLLERS WITH PRESSED STEEL BEARINGS - SPEEDS UP TO 200 rpm
- LOAD EQUALLY DISTRIBUTED ON THE ROLLER
- LOAD WITHOUT SHOCKS AND AXIAL STRAIN
- WORK TEMPERATURE : 10 to 60 °C
- WIDTH OF THE STRUCTURE: "C" PLUS 1 - 2 mm

CONDITIONS D'UTILISATION DES ROULEAUX TRANSPORTEURS

- ROULEAUX À ROULEMENTS EN TÔLE ESTAMPÉ - VITESSE JUSQU'À 200 rpm
- CHARGE DISTRIBUÉE SUR LE ROULEAU
- CHARGE SANS CHOCS ET SANS EFFORT AXIAL
- TEMPÉRATURE DE TRAVAIL ENTRE 10 et 60 °C
- LARGEUR DE LA STRUCTURE: 1 - 2 mm PLUS QUE "C"

CAPACIDADE DE CARGA (Kg) / LOAD CAPACITY (Kg) / CAPACITÉ DE CHARGE(Kg)

ROLOS COM ROLAMENTOS ESTAMPADOS, EIXOS FIXOS NAS EXTREMIDADES

ROLLERS WITH PRESSED STEEL BEARINGS CLAMPED SHAFT ENDS

ROULEAUX AVEC ROULEMENTS EN TÔLE ESTAMPÉE AXES BIEN SERRÉS DANS LE CADRE

Código/Code	COMPRIMENTO (mm) / BODY LENGTH (mm) / LONGUEUR (mm)									
	B=100	B=200	B=300	B=400	B=500	B=600	B=800	B=1000	B=1200	B=1500
29 30 02/RE	30	30	30	30	30	30	25	15	-	-
29 40 05/RE	80	80	80	80	80	80	60	50	35	-
29 50 02/RE	120	120	120	120	120	120	120	100	60	40
29 50 04/RI	120	120	120	120	120	120	120	100	60	40
29 60 06/RE	120	120	120	120	120	120	120	120	100	80
29 60 05/RI	120	120	120	120	120	120	120	120	100	80
29 76 21/RE	120	120	120	120	120	120	120	120	120	100
29 76 20/RI	120	120	120	120	120	120	120	120	120	100

ROLOS COM ROLAMENTOS ESTAMPADOS EIXOS APOIADOS LIVREMENTE

ROLLERS WITH PRESSED STEEL BEARINGS SUPPORTED SHAFT ENDS

ROULEAUX AVEC ROULEMENTS EN TÔLE ESTAMPÉE AXES NON SERRÉS DANS LE CADRE

Código/Code	COMPRIMENTO (mm) / BODY LENGTH (mm) / LONGUEUR (mm)									
	B=100	B=200	B=300	B=400	B=500	B=600	B=800	B=1000	B=1200	B=1500
29 30 01/F	30	30	30	30	30	30	20	10	-	-
29 30 01/M	30	30	30	30	30	30	20	10	-	-
29 40 04/F	80	80	80	80	80	70	50	40	30	-
29 50 04/F	100	100	100	100	80	80	80	60	40	25
29 50 04/M	100	100	100	100	80	80	80	60	40	25
29 60 05/F	100	100	100	100	100	80	70	55	40	30
29 60 05/M	100	100	100	100	100	80	70	55	40	30
29 76 20/F	120	120	120	120	120	120	100	100	80	70
29 76 20/M	120	120	120	120	120	120	100	100	80	70

CAPACIDADE DE CARGA (Kg) / LOAD CAPACITY (Kg) / CAPACITÉ DE CHARGE(Kg)

ROLOS COM ROLAMENTOS PRECISÃO, EIXOS FIXOS NAS EXTREMIDADES

ROLLERS WITH PRECISION, BEARINGS CLAMPED SHAFT ENDS

ROULEAUX AVEC ROULEMENT DE PRÉCISION, AXES BIEN SERRÉS DANS LE CADRE

Código/Code	COMPRIMENTO (mm) / BODY LENGTH (mm) / LONGUEUR (mm)									
	B=200	B=300	B=400	B=500	B=600	B=800	B=1000	B=1200	B=1500	B=2000
29 50 05/RE	200	200	200	200	200	170	100	70	45	-
29 50 03/RI	200	200	200	200	200	170	100	70	45	-
29 60 03/RE	200	200	200	200	200	200	180	150	100	-
29 60 04/RI	200	200	200	200	200	200	180	150	100	-
29 60 07/RI	200	200	200	200	200	200	180	150	100	-
29 75 02/RE	400	400	400	400	400	300	250	200	150	85
29 75 02/RI	400	400	400	400	400	300	250	200	150	85
29 76 18/RE	200	200	200	200	200	200	200	180	150	-
29 76 19/RI	200	200	200	200	200	200	200	180	150	-
29 89 03/RE	500	500	500	500	500	500	500	450	400	250
29 89 03/RI	500	500	500	500	500	500	500	450	400	300

ROLOS COM ROLAMENTOS PRECISÃO EIXOS APOIADOS LIVREMENTE

ROLLERS WITH PRECISION, BEARINGS SUPPORTED SHAFT ENDS

ROULEAUX AVEC ROULEMENT DE PRÉCISION, AXES NON SERRÉS DANS LE CADRE

Código/Code	COMPRIMENTO (mm) / BODY LENGTH (mm) / LONGUEUR (mm)									
	B=200	B=300	B=400	B=500	B=600	B=800	B=1000	B=1200	B=1500	B=2000
29 50 03/F	200	200	200	180	160	150	90	60	40	-
29 50 03/M	200	200	200	180	160	150	90	60	40	-
29 60 04/F	200	200	160	120	110	80	65	50	40	-
29 60 04/M	200	200	160	120	110	80	65	50	40	-
29 60 07/F	200	200	160	120	110	80	65	50	40	-
29 60 02/S	100	100	140	100	90	70	55	40	35	-
29 75 02/F	400	400	400	300	300	250	200	180	120	70
29 76 19/F	200	200	160	120	110	80	60	50	40	-
29 76 19/M	200	200	160	120	110	80	60	50	40	-
29 76 17/S	200	200	140	100	90	70	55	40	35	-
29 76 22/S	200	200	150	110	100	80	60	45	35	-
29 76 15/S	300	300	300	300	250	200	150	100	80	-
29 89 03/F	500	500	500	500	500	400	350	300	250	200

TUBO METÁLICO, ZINCADO OU NATURAL
 ROLAMENTOS ESTAMPADOS, VELOCIDADE ATÉ 200 rpm
 EIXO COM EXTREMIDADES ROSCADAS, LISO COM FACETA OU MOLA

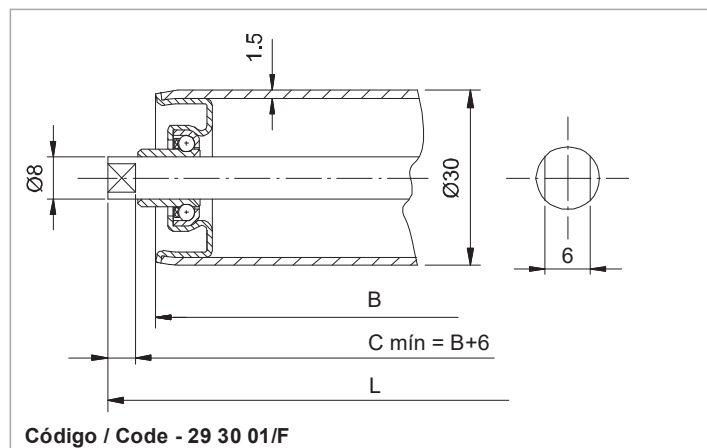
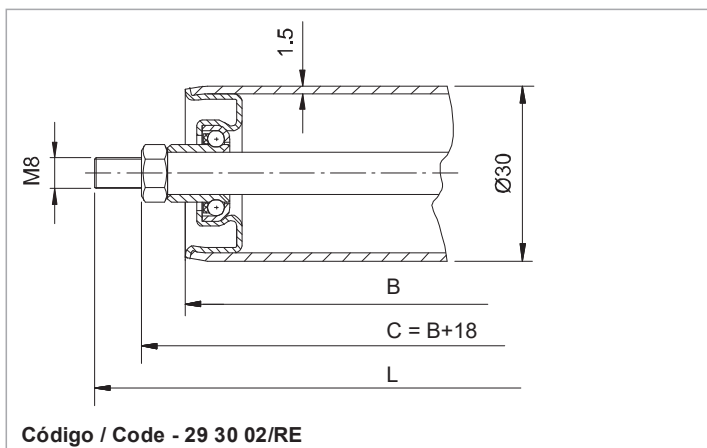
*TUBE METALLIC, ZINC PLATED OR NATURAL FINISH
 PRESSED STEEL BEARING RINGS, SPEEDS UP TO 200 rpm
 AXLE WITH THREADED ENDS, PLAIN SLOTTED OR SPRING LOADED*

TUBE MÉTALLIQUE ZINGUÉ OU AU NATUREL
 ROULEMENTS EN TÔLE ESTAMPÉ, VITESSE JUSQU'À 200 rpm
 AXE AUX EXTRÉMITÉS FILETÉES, LISSE À FACETTE OU À RESSORT

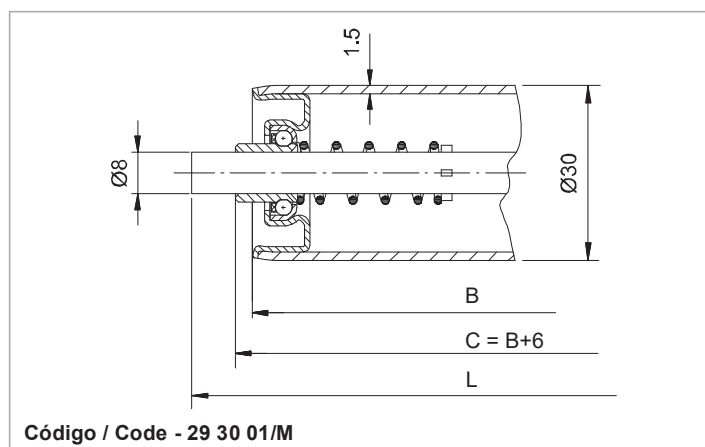
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EIXO COM EXTREMIDADES ROSCADAS
 AXLE WITH THREADED ENDS
 AXE AUX EXTRÉMITÉS FILETÉES

EIXO LISO COM FACETA
 PLAIN AXLE SLOTTED END
 AXE LISSE À FACETTE

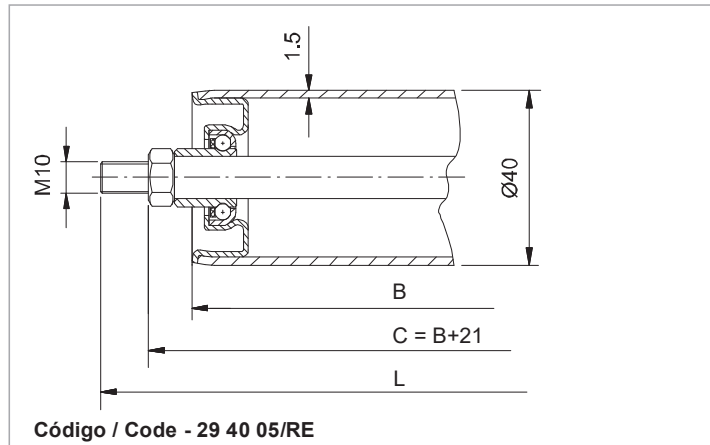


EIXO LISO COM MOLA
 PLAIN AXLE SPRING LOADED
 AXE LISSE AVEC RESSORT

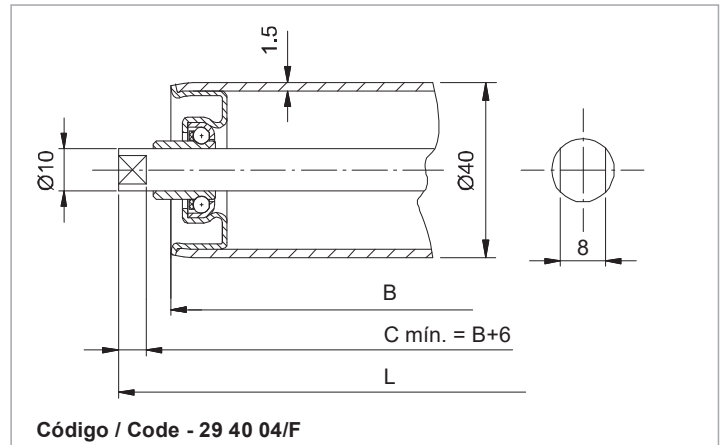


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EIXO COM EXTREMIDADE ROSCADAS
 AXLE WITH THREADED ENDS
 AXE AUX EXTRÉMITÉS FILETÉES

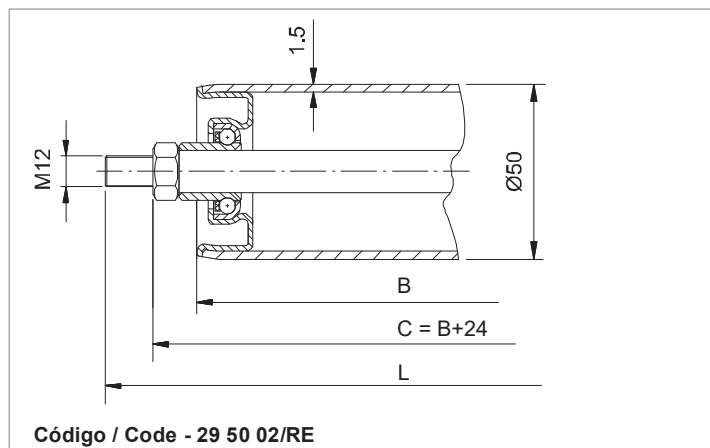


EIXO LISO COM FACETA
 PLAIN AXLE SLOTTED END
 AXE LISSE À FACETTE

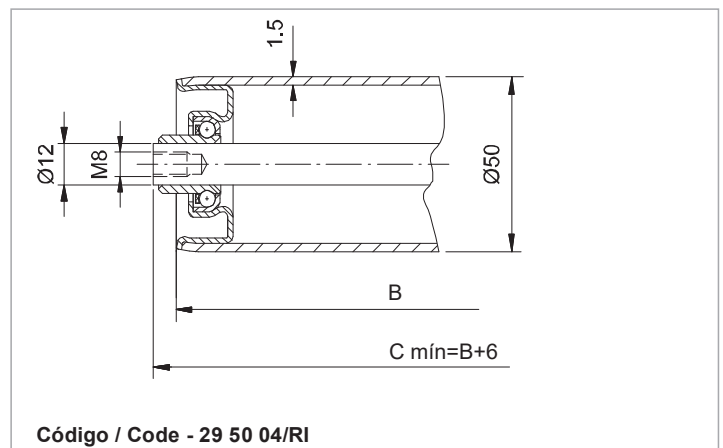


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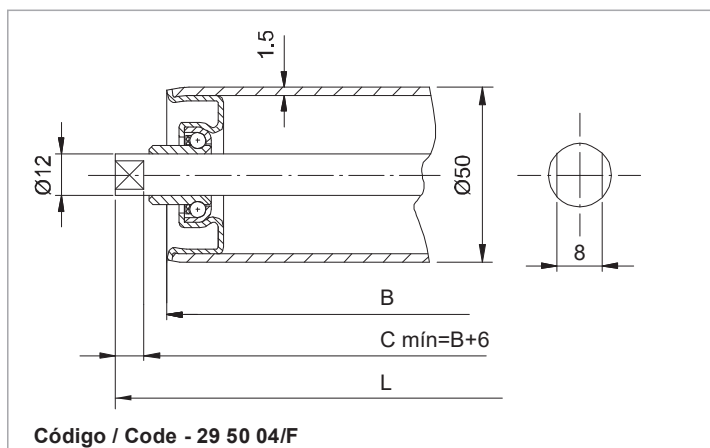
EIXO COM EXTREMIDADES ROSCADAS
 AXLE WITH THREADED ENDS
 AXE AUX EXTRÉMITÉS FILETÉES



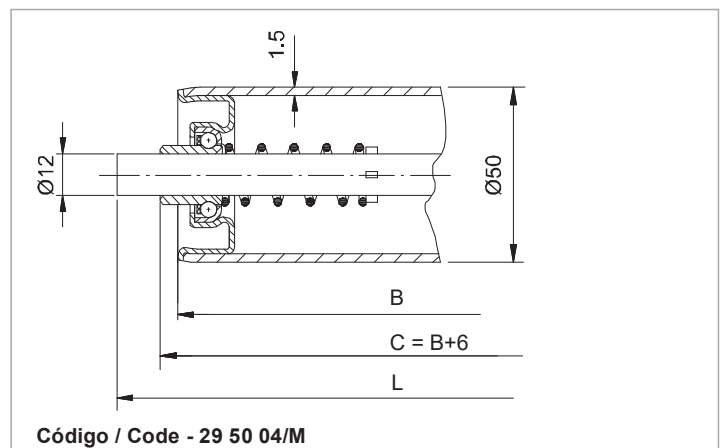
EIXO LISO COM FURO ROSCADO
 AXLE WITH THREADED BORE
 AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA
 PLAIN AXLE SLOTTED END
 AXE LISSE À FACETTE



EIXO LISO COM MOLA
 PLAIN AXLE SPRING LOADED
 AXE LISSE AVEC RESSORT

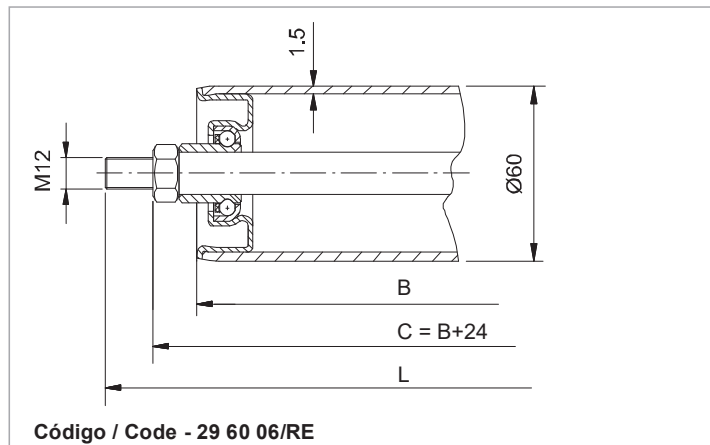


Ø60

EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

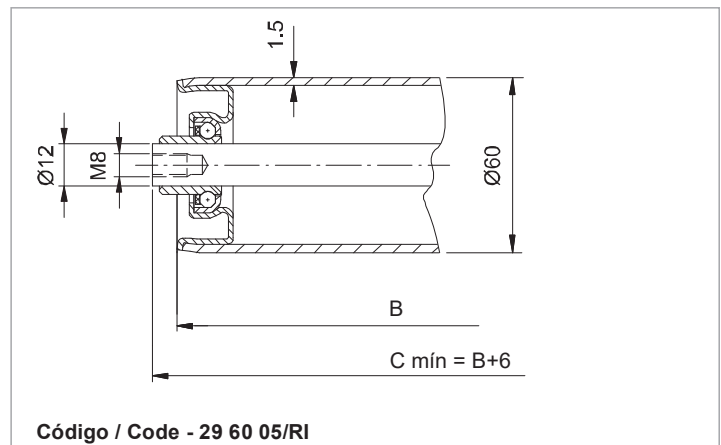
AXE AUX EXTRÉMITÉS FILETÉES



EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

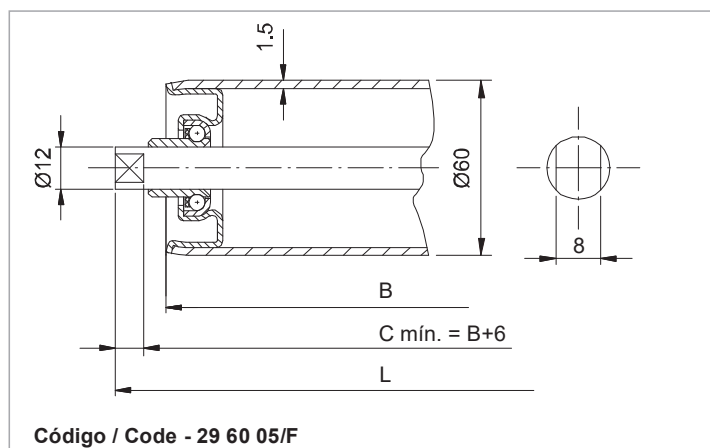
AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

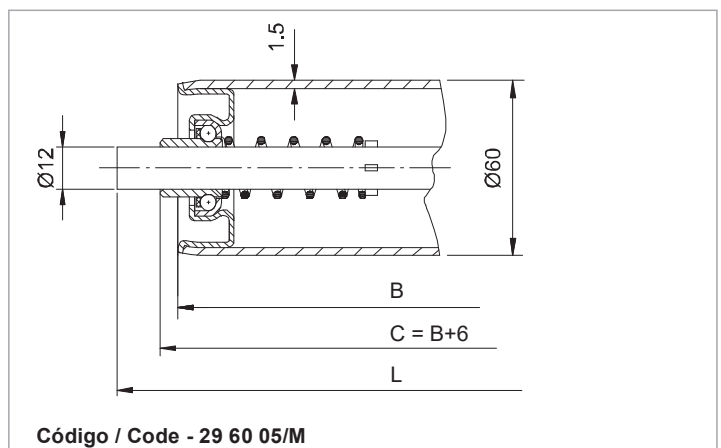
AXE LISSE À FACETTE



EIXO LISO COM MOLA

PLAIN AXLE SPRING LOADED

AXE LISSE AVEC RESSORT

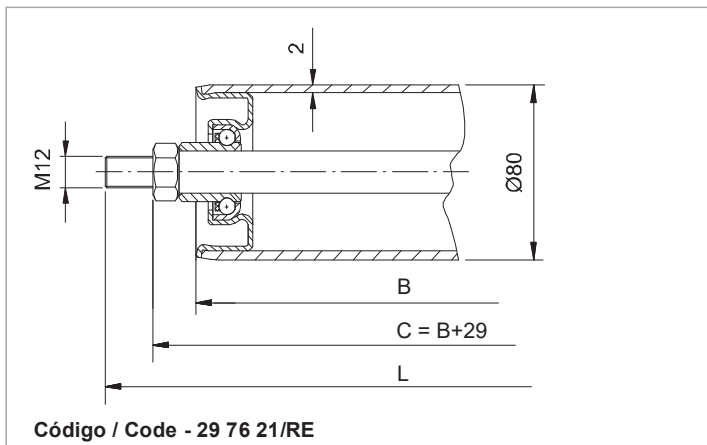


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EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

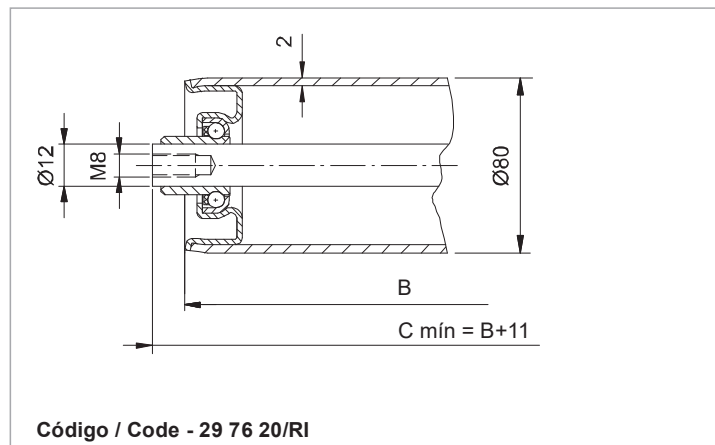
AXE AUX EXTRÉMITÉS FILETÉES



EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

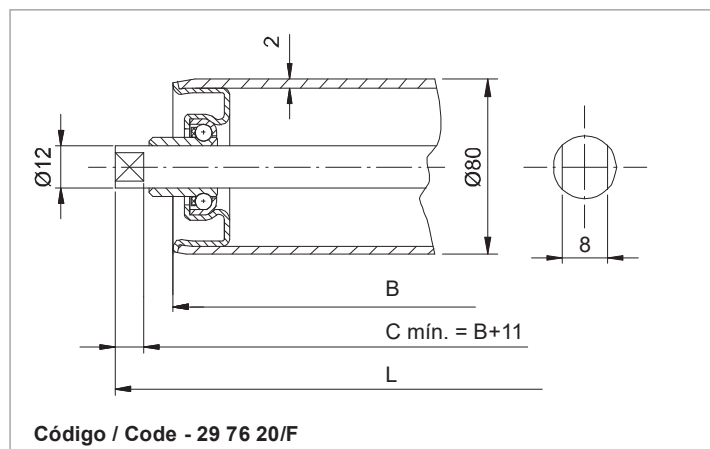
AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

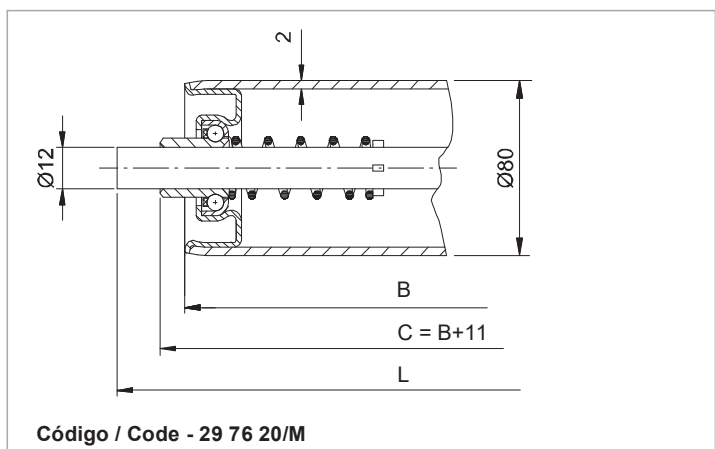
AXE LISSE À FACETTE



EIXO LISO COM MOLA

PLAIN AXLE SPRING LOADED

AXE LISSE AVEC RESSORT



TUBO METÁLICO, ZINCADO OU NATURAL

ROLAMENTOS ESFERAS PRECISÃO

EIXO COM EXTREMIDADES ROSCADAS, LISO COM FACETA OU MOLA

TUBE METALLIC, ZINC PLATED OR NATURAL FINISH

PRECISION BALL BEARINGS

AXLE WITH THREADED ENDS, PLAIN SLOTTED OR SPRING LOADED

TUBE MÉTALLIQUE ZINGUÉ OU AU NATUREL

ROULEMENTS À BILLES DE PRÉCISION

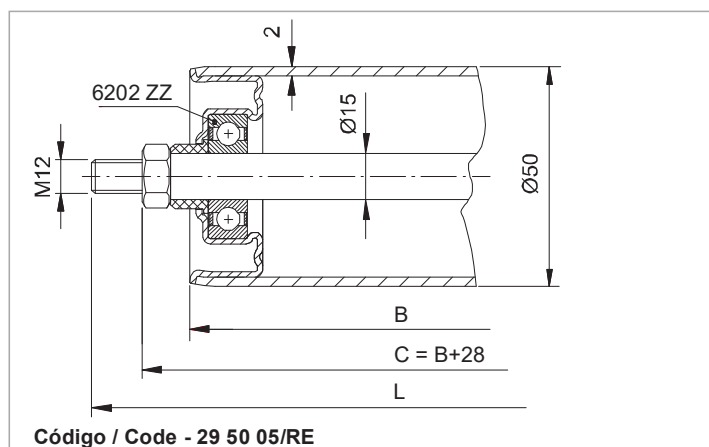
AXE AUX EXTRÉMITÉS FILETÉES, LISSE À FACETTE OU À RESSORT

Ø50

EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

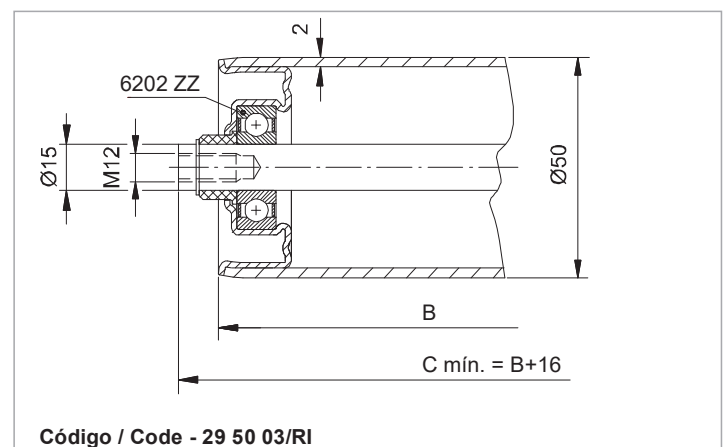
AXE AUX EXTRÉMITÉS FILETÉES



EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

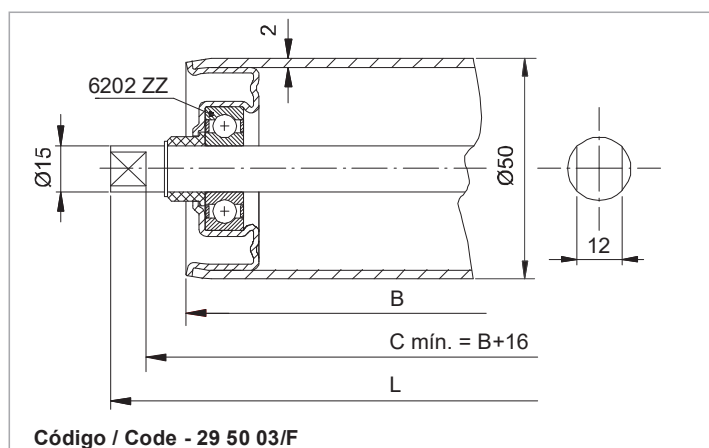
AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

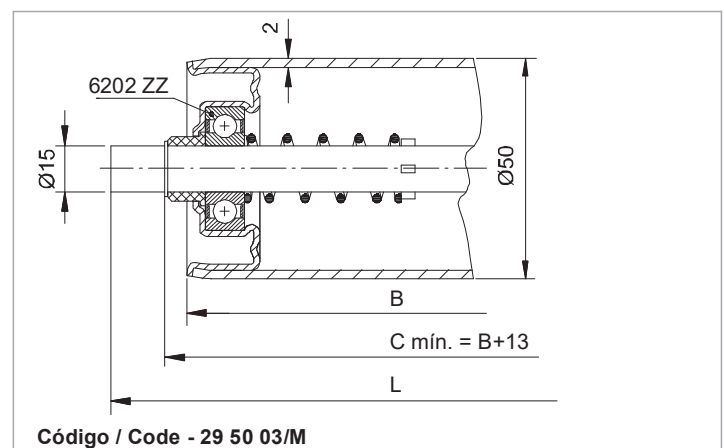
AXE LISSE À FACETTE



EIXO LISO COM MOLA

PLAIN AXLE SPRING LOADED

AXE LISSE AVEC RESSORT

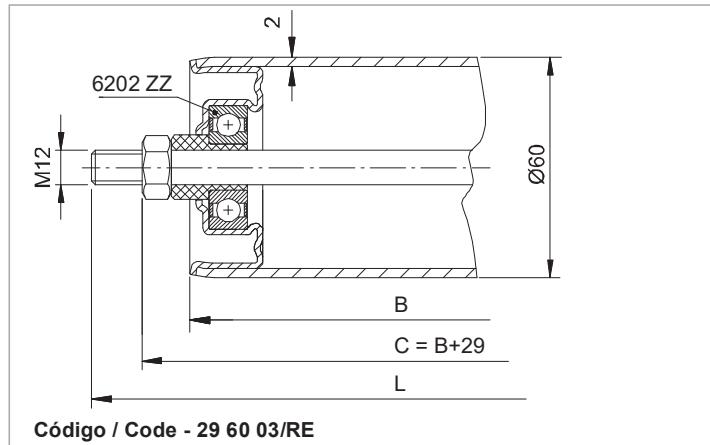


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EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

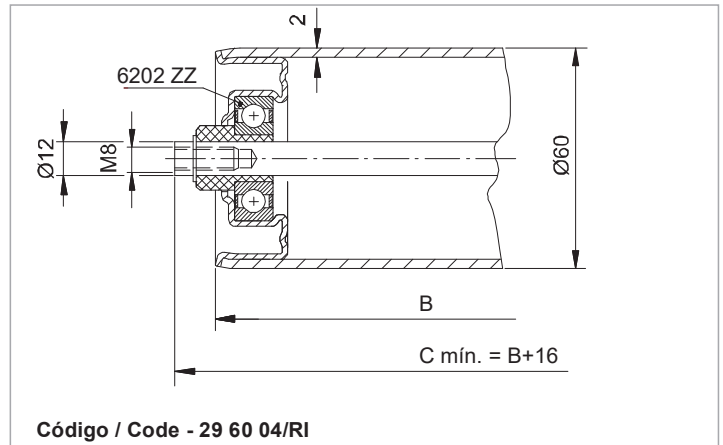
AXE AUX EXTRÉMITÉS FILETÉES



EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

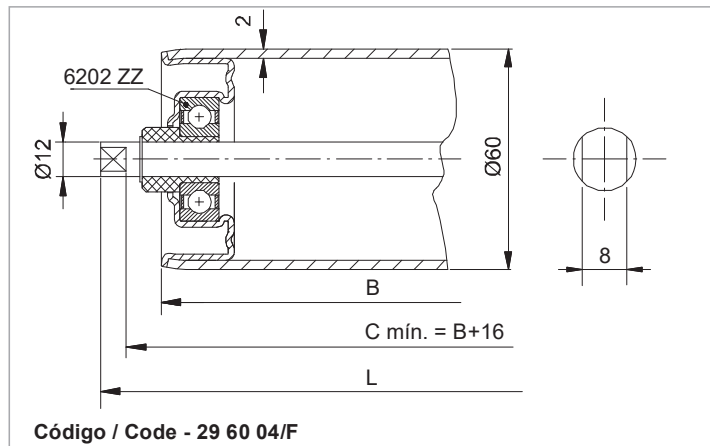
AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

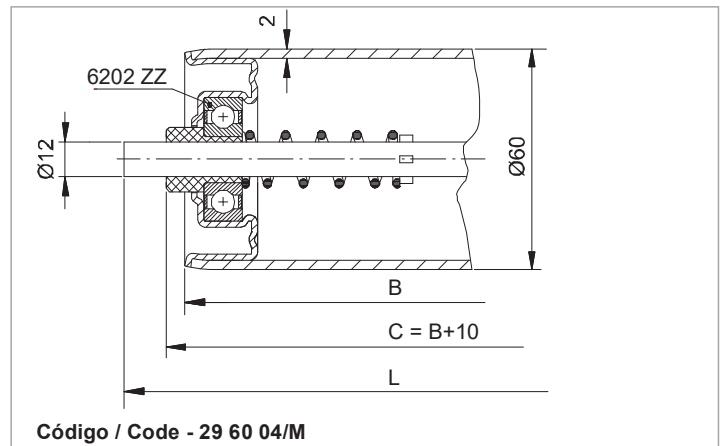
AXE LISSE À FACETTE



EIXO LISO COM MOLA

PLAIN AXLE SPRING LOADED

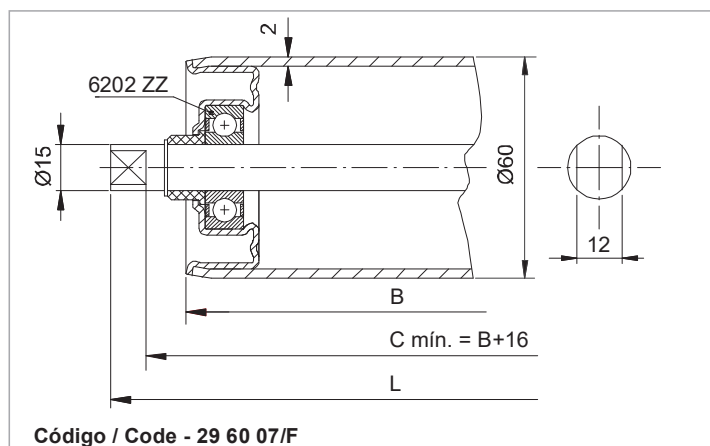
AXE LISSE AVEC RESSORT



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

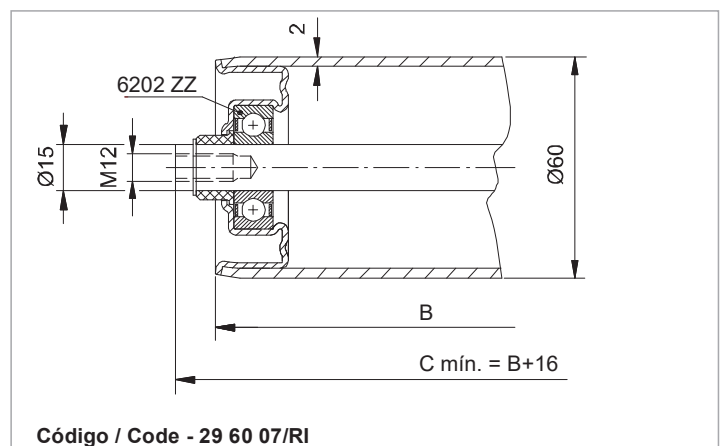
AXE LISSE À FACETTE



EIXO LISO COM FURO ROSCADO

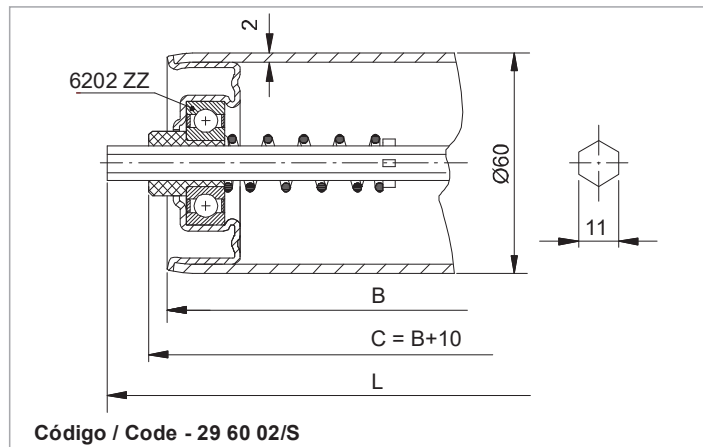
AXLE WITH THREADED BORE

AXE LISSE AVEC TROU FILETÉE



Ø60

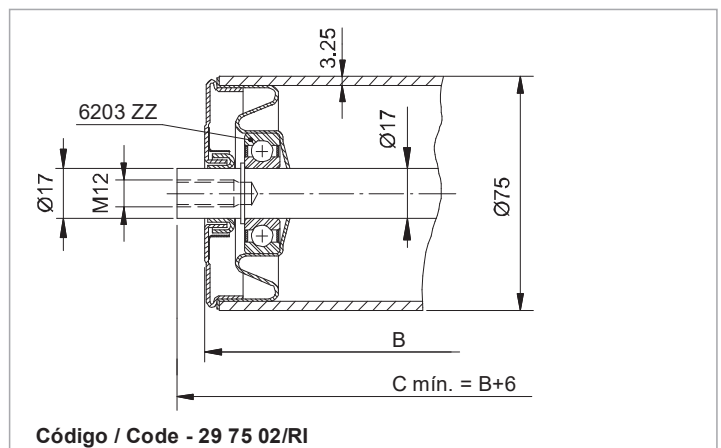
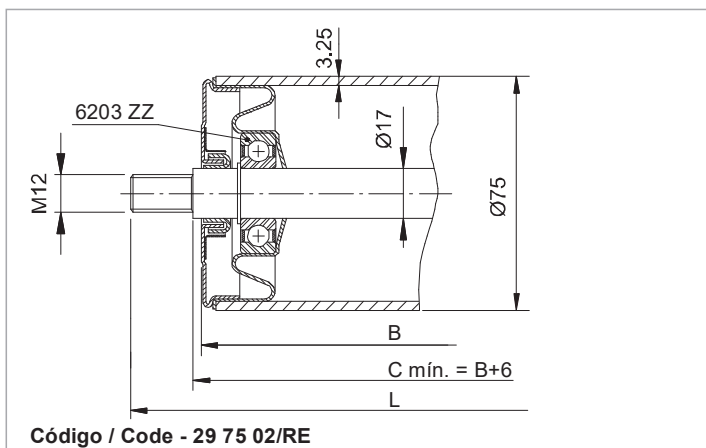
EIXO SEXTAVADO COM MOLA
 SPRING LOADED HEXAGONAL AXLE
 AXE HEXAGONALE AVEC RESSORT



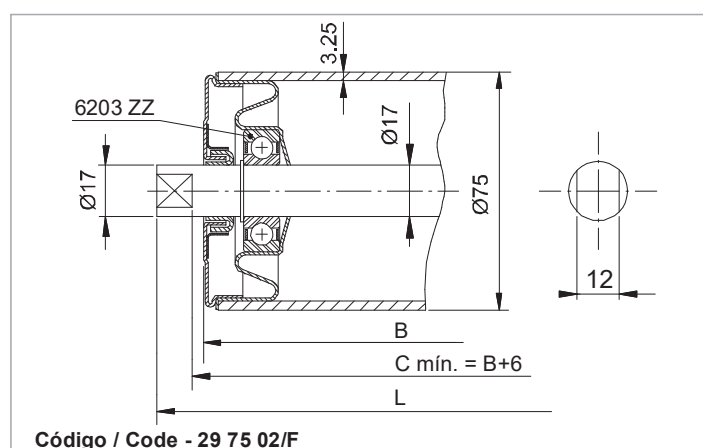
Ø75

EIXO COM EXTREMIDADES ROSCADAS
 AXLE WITH THREADED ENDS
 AXE AUX EXTRÉMITÉS FILETÉES

EIXO LISO COM FURO ROSCADO
 AXLE WITH THREADED BORE
 AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA
 PLAIN AXLE SLOTTED END
 AXE LISSE À FACETTE

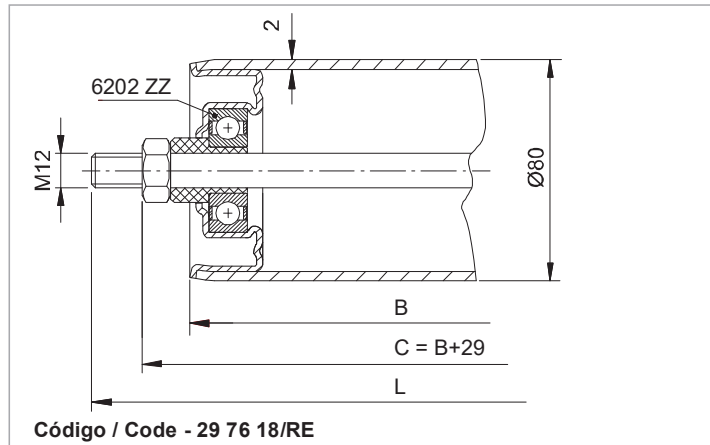


Ø80

EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

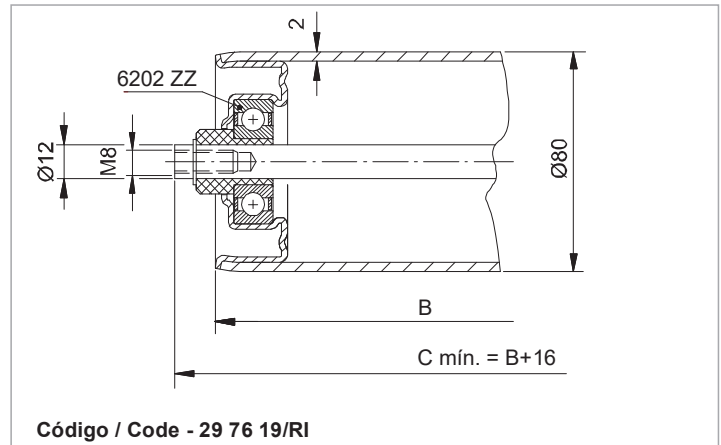
AXE AUX EXTRÉMITÉS FILETÉES



EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

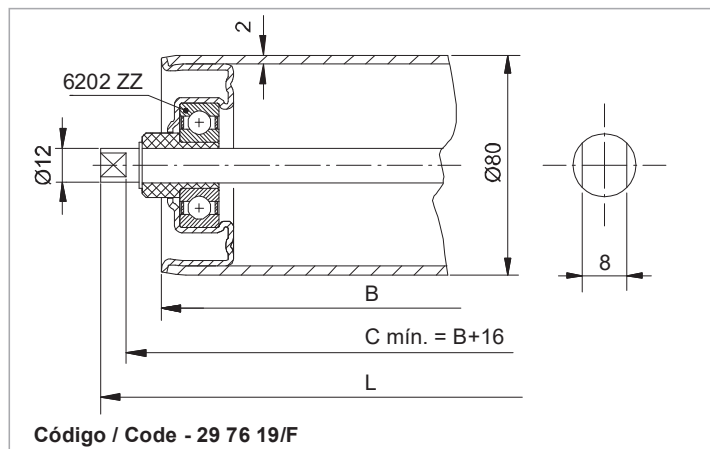
AXE LISSE AVEC TROU FILETÉE



EIXO LISO COM FACETA

PLAIN AXLE SLOTTED END

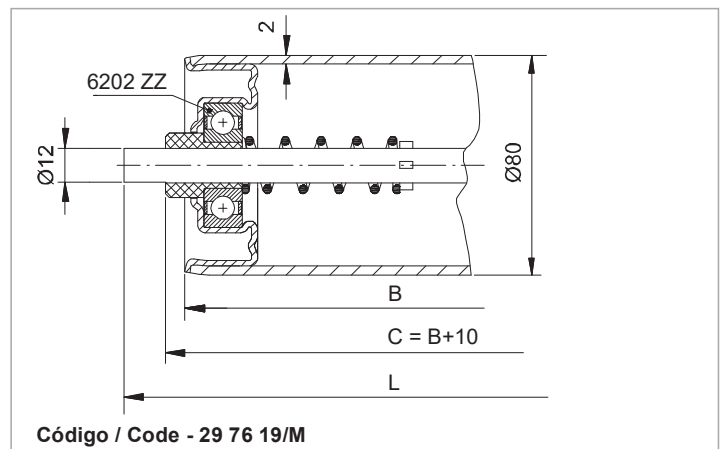
AXE LISSE À FACETTE



EIXO LISO COM MOLA

PLAIN AXLE SPRING LOADED

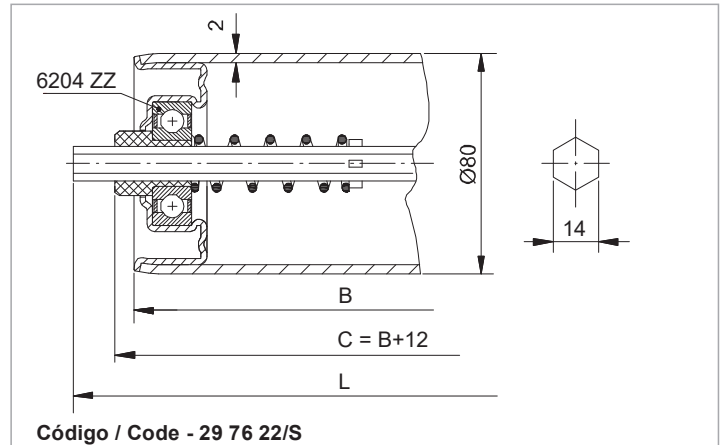
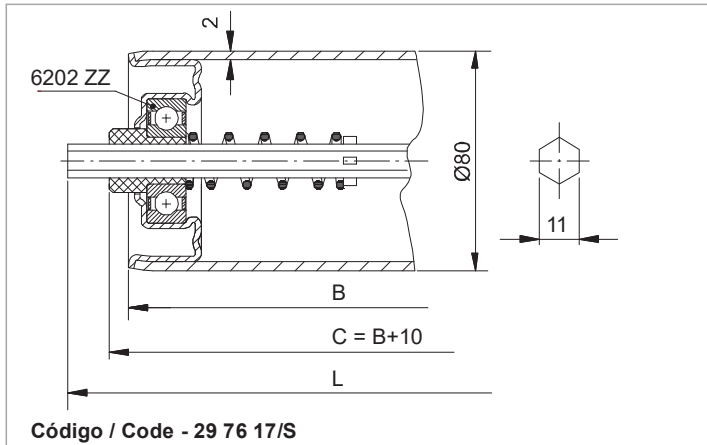
AXE LISSE AVEC RESSORT



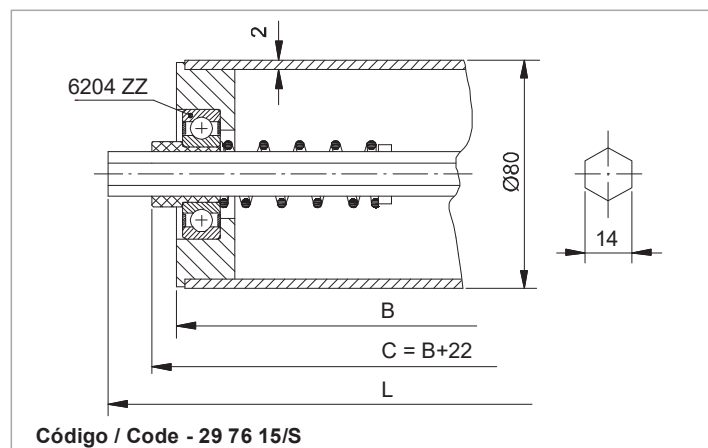
Ø80

EIXO SEXTAVADO
 HEXAGONAL AXLE
 AXE HEXAGONALE

EIXO SEXTAVADO
 HEXAGONAL AXLE
 AXE HEXAGONALE



EIXO SEXTAVADO
 HEXAGONAL AXLE
 AXE HEXAGONALE

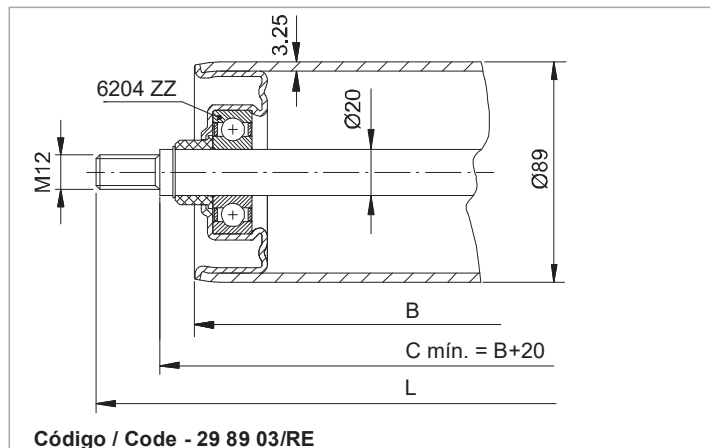


Ø89

EIXO COM EXTREMIDADES ROSCADAS

AXLE WITH THREADED ENDS

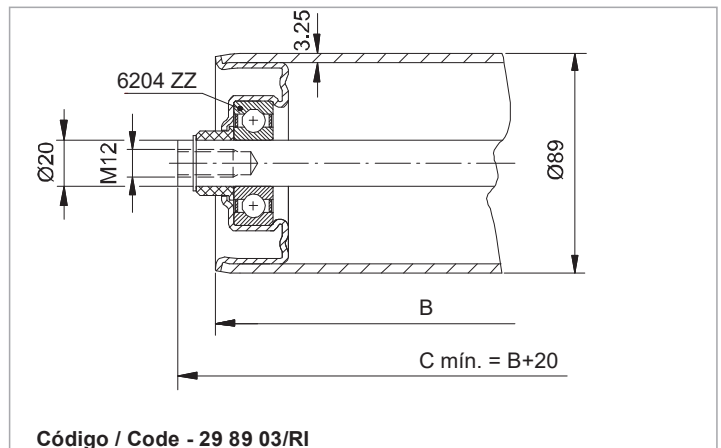
AXE AUX EXTRÉMITÉS FILETÉES



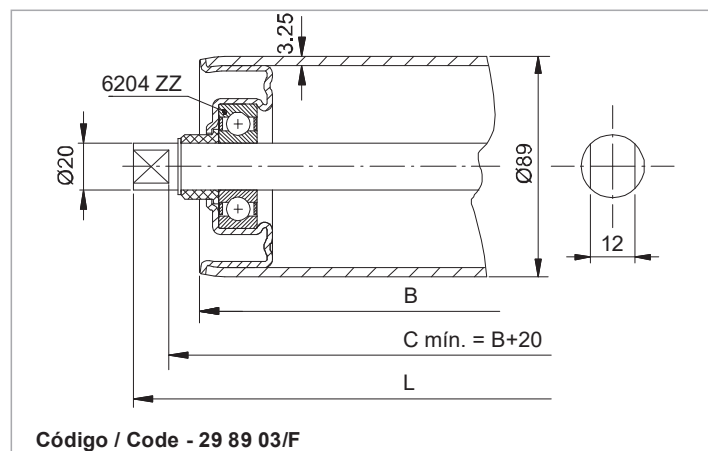
EIXO LISO COM FURO ROSCADO

AXLE WITH THREADED BORE

AXE LISSE AVEC TROU FILETÉE



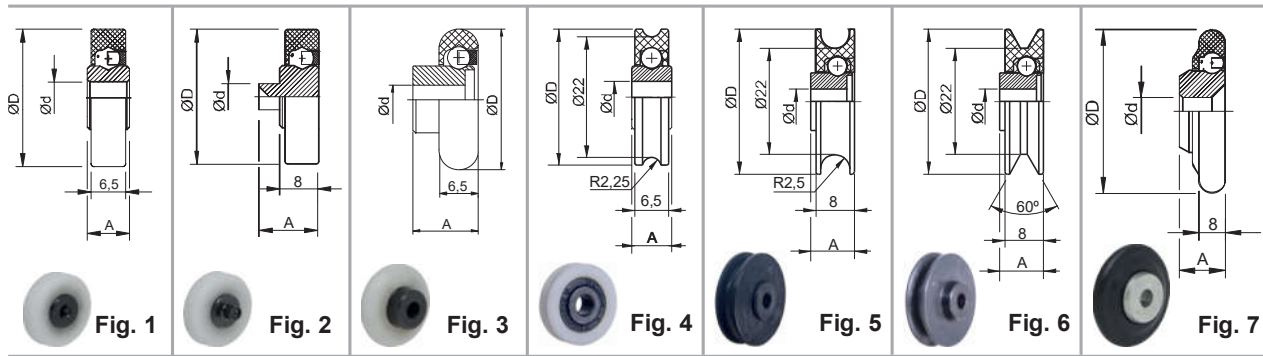
EIXO LISO COM FACETA
PLAIN AXLE SLOTTED END
AXE LISSE À FACETTE



ROLAMENTOS DE ESFERAS COM ARO EXTERIOR EM POLIACETAL, ANEL INTERIOR METÁLICO

BALL BEARINGS WITH POLYACETAL OUTSIDE RING, STEEL INNER RING

ROULEMENTS À BILLES AVEC BAGUE EXTÉRIEURE EN POLYACETAL, BAGUE INTÉRIEURE MÉTALLIQUE

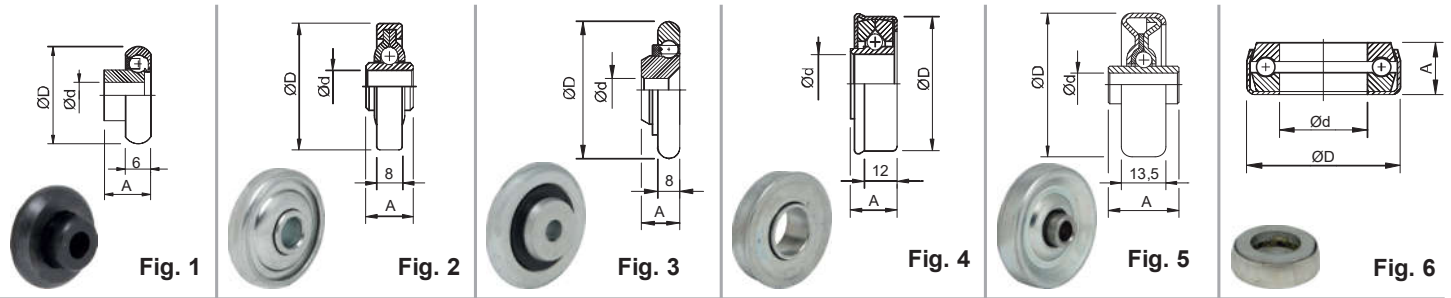


Código/Code	Ref.	Fig.	ØD mm	Ød mm	A mm	F Kg
28 26 02	26.07.000/Z/7-6	1	26	6	7	20
28 26 05	26.07.000/Z/7-5		26	5	7	20
28 26 04	26.07.000/ZC	2	26	4,8	11	20
28 20 02	20.06.M4/Z		20	M4	9,5	10
28 25 05	25.07.000/Z11-5	3	25	5,1	11	20
28 25 06	25.07.000/Z7-5		25	5,1	7	20
28 26 07	26.07.000/Z0/7-5		26	5	7	20
28 25 03	25.07.000/ZGR/7-6	4	25	6	7	20
28 30 05	30.08.000/ZGR/9-5 PR	5	30	5	9	20
28 30 04	30.08.000/ZGC/11-5 PR	6	30	5	11	20
28 30 06	30.08.000/ZGC/9-5 PR		30	5	9	20
28 50 07	50.08.000/1AN	7	50	8,5	14	30

ROLAMENTOS DE ESFERAS COM ARO EXTERIOR METÁLICO

BALL BEARINGS WITH METALLIC OUTSIDE RING

ROULEMENTS À BILLES AVEC BAGUE EXTÉRIEUR MÉTALLIQUE



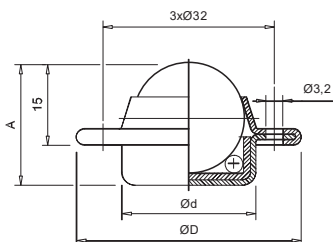
Código/Code	Ref.	Fig.	ØD mm	Ød mm	A mm	F Kg
28 23 00	23.06.000/Z/8,5-6	1	23	6	8,5	25
28 23 01	23.06.000/Z/11-6		23	6	11	25
28 23 02	23.06.000/Z/7-5		23	5	7	25
28 40 01	40.10.000	2	40	10,2	15	35
28 50 02	50.08.000/1	3	50	8,5	14	40
28 47 02	47.20.000	4	47,8	20	16	100
28 49 01	49.08.000	5	49	8,2	24	20
28 22 01	*22.12.000	6	22	12,2	8,1	260

*ROLAMENTO AXIAL

ROLAMENTO ESFÉRICO CARTER EM CHAPA DE AÇO

SPHERICAL BEARING STEEL SHEET CARTER

BILLES PORTEUSES CARTER EN TÔLE D'ACIER



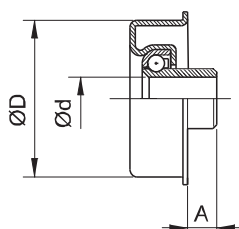
Código/Code	Ref.	ØD mm	Ød mm	A mm	F Kg
28 20 01	E-20	42	25	21	50

ROLAMENTOS / BEARINGS / ROULEMENTS

ROLAMENTOS ESTAMPADOS, VELOCIDADE ATÉ 200 rpm

PRESSED STEEL BEARING RINGS, SPEEDS UP TO 200 rpm

ROULEMENT EN TÔLE ESTAMPÉE, VITESSE JUSQU'À 200 rpm

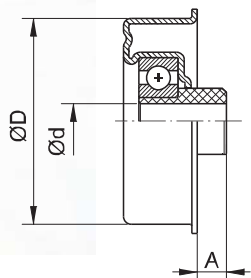


Código/Code	Ref.	ØD	Ød	A	↓F
		mm	mm	mm	Kg
28 30 10	30x1,5.08	27,3	8	2,5	30
28 40 03	40x1,5.10	37,3	10	2,5	80
28 50 09	50x1,5.10	47,3	10	2,5	80
28 50 10	50x1,5.12	47,3	12	2,5	80
28 57 05	60x1,5.12	57,3	12	2,5	80
28 76 05	80x2,0.12	76,4	12	5	80

ROLAMENTOS ESFERAS PRECISÃO

PRECISION BALL BEARINGS

ROULEMENT À BILLES DE PRÉCISION



Código/Code	Ref.	ØD	Ød	A	↓F
		mm	mm	mm	Kg
28 50 11	50x2.15.000 (6202-ZZ)	46,3	15	4,5	120
28 57 04	60x2.12.000 (6202-ZZ)	56,3	12	5	150
28 57 06	60x2.15.000 (6202-ZZ)	56,3	15	4,5	150
28 76 04	80x2.12.000 (6202-ZZ)	76,5	12	5	150
28 82 01	89x3,25.20.000 (6204-ZZ)	83	20	5	150
28 57 03	60x2.S11.000 (6202-ZZ)	56,3	SW11	5	150
28 76 03	80x2.S11.000 (6202-ZZ)	76,5	SW11	5	150
28 76 06	80x2.S14.000 (6204-ZZ)	76,5	SW14	5	150

Lined area for notes, consisting of multiple horizontal gray lines.

Lined area for notes, consisting of multiple horizontal gray lines.

Lined area for notes, consisting of multiple horizontal gray lines.

A series of horizontal grey lines for writing notes.

A series of horizontal grey lines for writing notes.

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PROJECTO, DESENHOS E FOTOS: MECANARTE

18.^a EDIÇÃO - 2022

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