

EUROTRANSIS



ROLLERS

Manufactured under CEMA standard



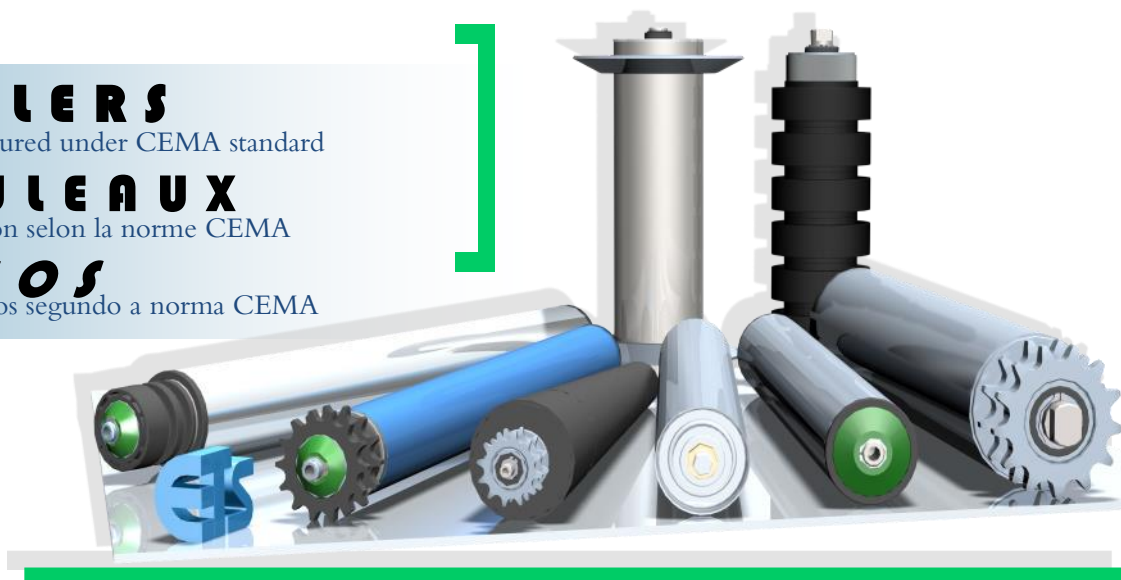
ROULEAUX

Fabrication selon la norme CEMA



ROLOS

Fabricamos segundo a norma CEMA



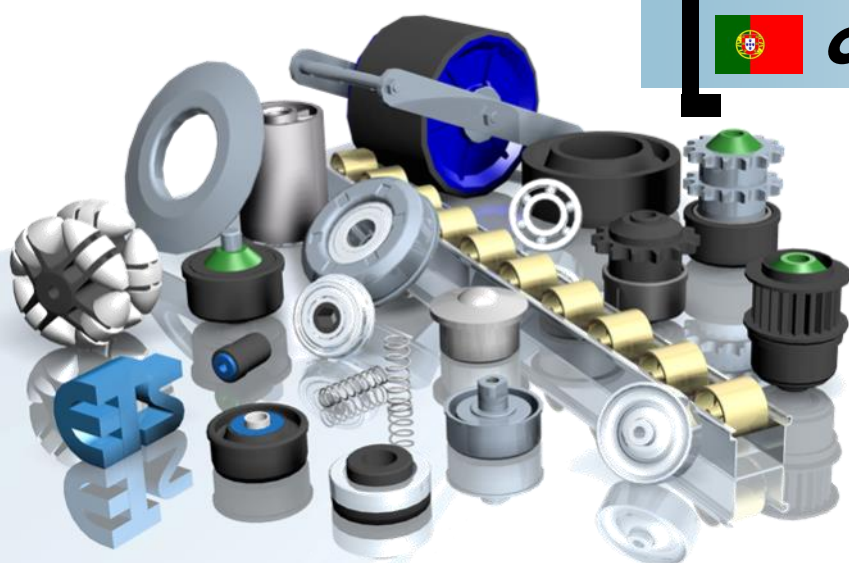
COMPONENTS



COMPOSANTS



COMPONENTES



ETS-24/01-INT



EUROTRANSIS S.L. is a metal mechanical company with over 25 years of experience in the marketing of components and rollers for packaged and bulk materials handling. In its constant search for excellence and improvement of its customer service, EUROTRANSIS S.L. is pleased to present this new catalogue of rollers, which has been created with the latest design and printing technologies. The catalogue has also been updated and expanded to include, in the most simple and practical way, our entire current range of products.

With great pride EUROTRANSIS S.L. can guarantee, with a probability very close to certainty, that in any conveyor system or mining installation you may have the opportunity to see, there will be one or several components that once were stocked in our warehouse.

Together with modern machinery, large facilities and a quality management system certified according to ISO 9001:2000, EUROTRANSIS S.L. boasts with an invaluable human capital: every member of its staff in the different company departments will always be willing to help you to solve any situation related to technical information, delivery times, prices or financial information for your projects, whether they be small -supply of a component- or large -supply of an installation-.

EUROTRANSIS S.L. markets all the rollers included in this catalogue, with which it is possible to meet all the requirements of any given project in a very high percentage of cases. However, if you would like us to develop a specific roller, please do not hesitate to send us your specifications so that we can prepare an attractive supply proposal.





CONTENTS

ETS ROLLERS

ROLLER SELECTION	8
GRAVITY ROLLERS WITH THERMOPLASTIC HEADS	14
GRAVITY ROLLERS WITH PRESSED STEEL HEADS	17
HPDE ROLLER	20
MINING ROLLER ASSEMBLY	22
GRAVITY ROLLERS WITH WELDED STEEL HEADS	23
GRAVITY ROLLERS WITH THERMOPLASTIC HEADS	25
DRIVEN ROLLERS WITH THERMOPLASTIC HEADS	26
DRIVEN ROLLERS WITH POLY-V HEADS	29
DRIVEN ROLLERS WITH STEEL HEADS	30
CONICAL GRAVITY ROLLERS	35
CONICAL DRIVEN ROLLERS	36
SPECIAL ROLLERS	39
ROLLER FOR FRUITS AN VEGETABLES	40
FLEXIBLE ROLLERS FRAMES	42
ROLLERS SUPPORTS	43

ETS COMPONENTS

THERMOPLASTIC ROLLER HEADS	44
PRESSED ROLLER HEADS	47
WELDED STEEL BEARING HOUSINGS	50
THERMOPLASTIC SPROCKETS	51
PRESSED STEEL SPROCKETS	53
WELDED STEEL SPROCKETS	56
THERMOPLASTIC PULLEYS	58
POLY-V HEADS	59
GUIDE FINS	60
RUBBERS	61
CONES	62
SKATE WHEELS	63
MINIRAIL	64
BRAKE HEAD	66
JACKETED PVC	66
BRAKE DRUM	67
BALL TRANSFER UNITS	68



EUROTRANSIS S.L., industria del metal y de la mecánica, a plus de 25 ans d'expérience dans le marché des composants et des rouleaux de manutention et minière. Cherchant à améliorer continuellement son attention et le service à la clientèle, EUROTRANSIS S.L. est heureux de présenter ce nouveau catalogue de rouleaux, créé suivant les dernières technologies de design et d'impression. Il a été mis à jour et complété pour intégrer, d'une manière simple et pratique, toute la gamme actuelle de nos produits.

EUROTRANSIS S.L. peut en toute fierté assurer que dans une installation quelconque de manutention ou d'industrie minière, il y aura selon toute probabilité un ou plusieurs éléments qui sont sortis de nos entrepôts.

EUROTRANSIS S.L. dispose d'engins modernes, d'installations spacieuses et d'un système de qualité certifié ISO 9001:2000, mais elle compte surtout sur un capital humain inestimable. Tout le personnel des différents départements de l'entreprise est à votre disposition pour vous conseiller et vous aider à résoudre une question de prix, information technique, des délais de livraison ou une information financière sur tous vos projets : qu'il s'agisse d'un petit projet –fourniture d'un composant– ou d'un grand projet –fourniture d'une installation–.

EUROTRANSIS S.L. commercialise tous les rouleaux inclus dans ce catalogue, ce qui nous permet de respecter dans la plupart des cas, toutes les exigences d'un projet. Cependant, si vous avez besoin de développer un rouleau spécial, n'hésitez pas à nous envoyer vos spécificités afin de pouvoir vous présenter une offre de fourniture adaptée à vos besoins.





ROULEAUX ETS

SELECTION DE ROULEAUX	8
ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES	14
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES EMMANCHÉS	17
ROULEAU PEHD	20
MONTAGE ROULEAU MINE	22
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES SOUDÉS	23
ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES	25
ROULEAUX COMMANDÉS À EMBOUTS THERMOPLASTIQUES	26
ROULEAUX COMMANDÉS À EMBOUTS POLY-V	29
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES	30
ROULEAUX LIBRES CONIQUES	35
ROULEAUX COMMANDÉS CONIQUES	36
ROULEAUX SPÉCIAUX	39
ROULEAUX HORTICOLES	40
SUPPORTS POUR ROULEAUX FLEXIBLES	42
SUPPORTS POUR ROULEAUX	43

COMPOSANTS ETS

EMBOUTS THERMOPLASTIQUES	44
EMBOUTS MÉTALLIQUES EMMANCHÉS	47
EMBOUTS MÉTALLIQUES SOUDÉS	50
PIGNONS THERMOPLASTIQUES	51
PIGNONS MÉTALLIQUES EMMANCHÉS	53
PIGNONS MÉTALLIQUES SOUDÉS	56
POULIES THERMOPLASTIQUES	58
EMBOUTS POLU	59
COUPELLES DE GUIDAGE	60
CAOUTCHOUCS	61
CÔNES	62
GALETS	63
MINIRAIL	64
EMBOUT DE FREIN	66
GAINÉ	66
TAMBOUR DE FREIN	67
BILLES DE MANUTENTION	68



A EUROTRANSIS S.L. é uma empresa metalomecânica com mais de 25 anos de experiência no mercado de componentes e rolos para actividades de movimentação e mineiras. Na sua busca constante pelo aperfeiçoamento e melhoria contínua no atendimento e no serviço aos seus clientes, é com grande satisfação que a EUROTRANSIS S.L. apresenta este novo catálogo de rolos, criado com recurso às mais avançadas tecnologias de design e impressão. Actualizado e ampliado, para que inclua, da forma mais simples e prática, toda a actual gama dos nossos produtos.

É com grande orgulho que a EUROTRANSIS S.L. pode assegurar com uma probabilidade muito grande, que em qualquer instalação de movimentação ou mineira que tenha visto, haverá um ou mais elementos que em dado momento estiveram no nosso armazém.

Além da moderna maquinaria, das amplas instalações e de um sistema de qualidade certificado em conformidade com a ISO 9001:2000, a EUROTRANSIS S.L. conta com um capital humano inestimável. A todo o momento, o pessoal das diferentes áreas da empresa está disponível para ajudar a resolver qualquer situação que se apresente relacionada com informações técnicas, prazos de entrega, preços ou informação financeira para os seus projectos, sejam estes pequenos -fornecimento de um componente- ou grandes -fornecimento de uma instalação-.

A EUROTRANSIS S.L. comercializa todos os rolos incluídos no presente catálogo, com os quais é possível satisfazer, numa altíssima percentagem de casos, todas as exigências de um projecto. No entanto, se necessitar que desenvolvamos um rolo específico, não hesite em enviar-nos as suas especificações, para que possamos apresentar uma proposta atractiva de fornecimento.





ROLOS ETS

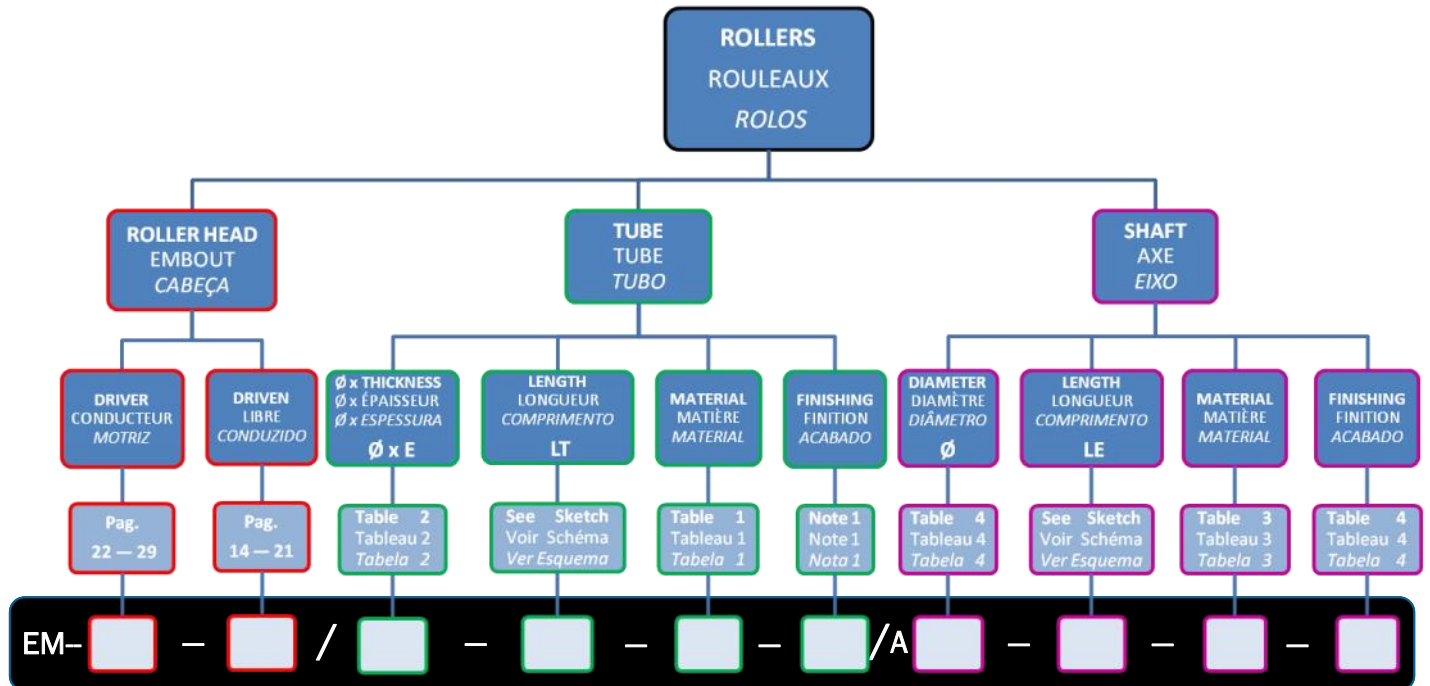
SELECÇÃO DE ROLOS	8
ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS	14
ROLOS LIVRES COM CABEÇAS METÁLICAS EMBUTIDAS	17
ROLO POLIETILENO DE ALTA DENSIDADE	20
MONTAGEM DO ROLO DE MINERAÇÃO	22
ROLOS LIVRES COM CABEÇAS METÁLICAS SOLDADAS	23
ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS	25
ROLOS TRACCIONADOS COM CABEÇAS TERMOPLÁSTICAS	26
ROLOS TRACCIONADOS COM CABEÇAS POLY-V	29
ROLOS TRACCIONADOS COM CABEÇAS METÁLICAS	30
ROLOS LIVRES CÓNICOS	35
ROLOS TRACCIONADOS CÓNICOS	36
ROLOS ESPECIAIS	39
ROLOS HORTOFRUTICOLA	40
ESTAÇÕES PARA ROLOS FLEXÍVEIS	42
APOIO PARA ROLOS	43

COMPONENTES ETS

CABEÇAS TERMOPLÁSTICAS	44
CABEÇAS METÁLICAS EMBUTIDAS	47
CÁPSULAS METÁLICAS SOLDADAS	50
CARRETOS TERMOPLÁSTICOS	51
CARRETOS METÁLICOS EMBUTIDOS	53
CARRETOS METÁLICOS SOLDADOS	56
POLIAS TERMOPLÁSTICAS	58
CABEÇAS TERMOPLÁSTICAS	59
ALHETAS GUIA	60
BORRACHAS	61
CONES	62
ROLDANAS	63
MINICARRIL	64
CEBEÇA DE ROLO FREIO	66
FUNDA	66
TAMBOR FREIO	67
ESFERAS TRANSPORTADORAS	68



ROLLER SELECTION SELECTION DE ROULEAUX SELECÇÃO DE ROLOS



EXAMPLE OF ORDER FOR GRAVITY ROLLER :
EXEMPLE D'ORDRE POUR ROULEAU LIBRE:
EXEMPLO DE ENCOMENDA PARA ROLO LIVRE:

EM—260K1 / 89x3 — 500 — STI / A17 — 520 — AC — RIM10x20

EXAMPLE OF ORDER FOR DRIVEN ROLLER: EXE-
MPLE D'ORDRE POUR ROULEAU COMMANDÉ:
EXEMPLO DE ENCOMENDA PARA ROLO TRACÇIONADO:

EM—510—EMP / 108x3.6 — 500 — N / A25 — 597 — IN — PL18x13

NOTE 1
NOTE 1
NOTA 1

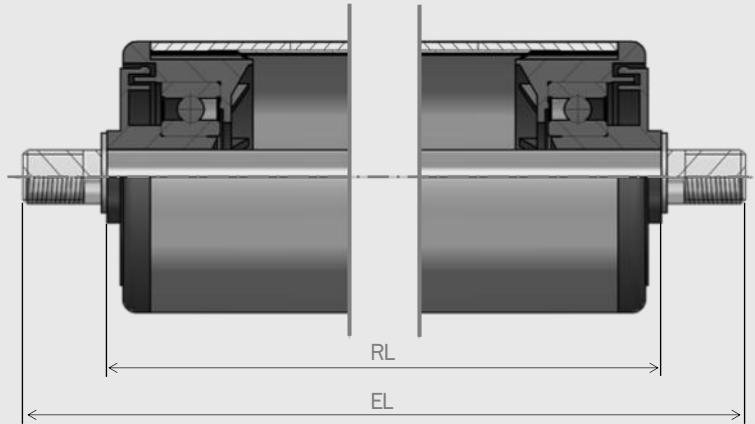
ROLLER WITH RUBBERS
ROULEAU EN CAOUTCHOUC
ROLO COM BORRACHAS
JACKETED PVC ROLLER
ROULEAU GAINÉ
ROLO REVESTIDO
RUBBER VULCANIZED ROLLER
ROULEAU VULCANISÉ
ROLO VULCANIZADO

Page 36
Page 36
Página 36

DIMENSION / DIMENSIONS / DIMENSÃO	DESCRIPTION / DESCRIPTION / DESCRIÇÃO
RL	ROLLER LENGTH LONGUEUR DE ROULEAU COMPRIMENTO DO ROLO
EL	SHAFT LENGTH LONGUEUR D'AXE COMPRIMENTO DO EIXO



GRAVITY ROLLER
ROULEAU LIBRE
ROLO LIVRE



DRIVEN ROLLER
ROULEAU COMMANDÉ
ROLO TRACCIONADO

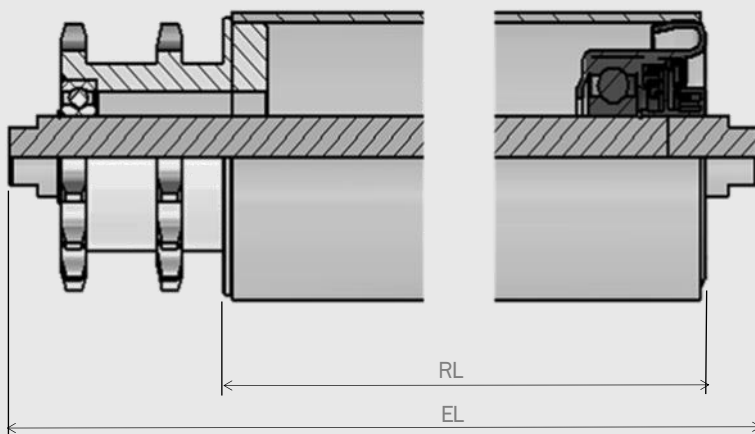
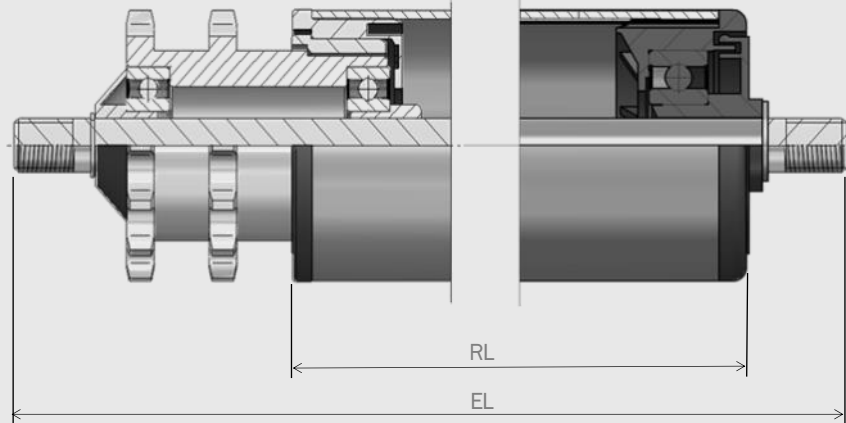




TABLE 1. – TUBE MATERIAL SELECTION / TABLEAU 1. – MATIÈRE DU TUBE / TABELA 1. – SELECÇÃO MATERIAL DO TUBO

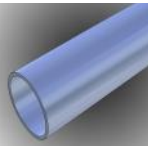
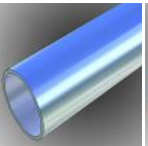
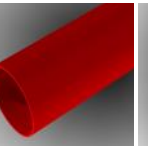
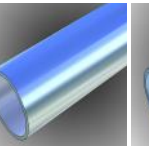
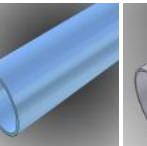
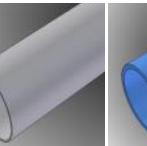
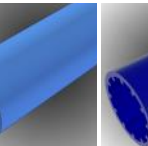
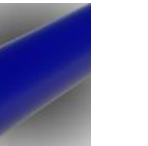
MATERIAL AND FINISHING	/	MATIÈRE ET FINITION	/	MATERIAL E ACABAMENTO	COD.
ST-37 Steel	/	Acier ST-37	/	Aço ST-37	ST
ST-37 ZN Zinc-Plated Steel	/	Acier Zingué ST-37 ZN	/	Aço Zincado ST-37 ZN	STI
ST-37 Painted Steel	/	Acier Peint ST-37	/	Aço Pintado ST-37	STP
Galvanized teel	/	Acier Galvanisé	/	Aço Galvaniza	GAL
AISI-304 Stainless Steel	/	Acier Inoxydable AISI-304	/	Aço Inoxidável AISI-304	N
Anodized Aluminum	/	Aluminium Anodisé	/	Alumínio Anodizado	ALU
PVC Thermoplastic Polymer	/	Polymère Thermoplastique PVC	/	Polímero Termoplástico PVC	KG
High Density Polyethylene	/	Polyéthylène Haute Densité	/	Polietileno de Alta Densidade	HDPE

GENERALLY, TUBES RANGES DESCRIBED ABOVE ARE MADE ACCORDING TO NORM EN-10219-2. IF OTHER NORM IS NEEDED,
PLEASE DON'T HESITATE TO CONTACT US

LA GAMME DE TUBES DÉCRITE CI-DESSUS, EST GÉNÉRALEMENT CONQUE SUIVANT LES SPÉCIFICATIONS ET TOLÉRANCES DE LA NORME EN-10219-2. N'HÉSITEZ PAS
À NOUS CONSULTER EN CAS DE BESOIN D'APPLIQUER D'AUTRES NORMES DE FABRICATION DE CES MATIÈRES PREMIÈRES

NUM GERAL, TODA A GAMA DE TUBOS AQUI DESCRITA É FABRICADA SEGUNDO AS ESPECIFICAÇÕES E TOLERÂNCIAS DA NORMA EN-10219-2.

TABLE 2. – TUBE DIMENSION SELECTION / TABLEAU 2. – DIMENSIONS DU TUBE / TABELA 2. – SELECÇÃO DIMENSÃO DO TUBO

Ø x THICKNESS Ø x ÉPAISSEUR Ø x ESPESURA (mm)	MATERIAL / MATIÈRE / MATERIAL							
	ST	STI	STP	GAL	N	ALU	KG	HDPE
								
12 x 1	X	X	X		X			
16 x 1.2	X	X	X		X			
18 x 1.2	X	X	X		X			
20 x 1.5	X	X	X		X	X	RAL7001	
25 x 1.5	X	X	X					
30 x 1.5	X	X	X		X	X		
30 x 1.8							RAL7001 RAL9005	
30x2	X	X	X					
40 x 1.5	X	X	X	X	X	X		
40 x 2	X	X	X					
40 x 2.3							RAL7001	
50 x 1.5	X	X	X	X	X	X	RAL7001	
50 x 2	X	X	X					



ROLLER SELECTION SELECTION DE ROULEAUX SELECÇÃO DE ROLOS

Øx THICKNESS Øx ÉPAISSEUR Øx ESPESURA (mm)	MATERIAL / MATIÈRE / MATERIAL							
	ST	STI	STP	GAL	N	ALU	KG	HDPE
50 x 2.8							RAL7001 RAL5015	
50 x 3	X	X	X					
60 x 1.5	X	X	X	X		X		
60 x 2	X	X	X	X	X	X		
60 x 3	X	X	X					
60.3 x 2					X			
63 x 3							RAL7001	
63.5 x 2.9	X	X	X					
70 x 2	X	X	X					
70 x 3	X	X	X					
76 x 2	X	X	X					
76 x 3	X	X	X		X			
80 x 2	X	X	X	X	X	X		
80 x 3	X	X	X					
89 x 3	X	X	X		X		RAL7001	
89 x 6								X
90 x 7							RAL1013	
101.6 x 3	X	X	X					
108 x 3	X	X	X				RAL7001	
108 x 6								X
108 x 3.6	X	X	X					
127 x 4	X	X	X					
133 x 4	X	X	X					
133 x 10								X
159 x 4	X	X	X					
159 x 10								X



TABLE 3. – SHAFT MATERIAL SELECTION

TABLEAU 3. – MATIÈRE DE L'AXE

TABELA 3. – SELECÇÃO MATERIAL DO EIXO

MATERIAL AND FINISHING	/ MATIÈRE ET FINITION	/ MATERIAL E ACABAMENTO	COD.
F-212 Calibrated Carbon Steel	/ Calibré en Acier au Carbone F-212	/ Calibrado de Aço de Carbono F-212	AC
F-212 ZN Zinc-Plated Carbon Steel	/ Acier au Carbone Zingué F-212 ZN	/ Aço de Carbono Zincado F-212 ZN	ZN
AISI-303 Calibrated Stainless Steel	/ Calibré en Acier Inoxydable AISI-303	/ Calibrado de Aço Inoxidável AISI-303	IN

TABLE 4. – SHAFT FINISHING SELECTION

TABLEAU 4. – FINITION DE L'AXE

TABELA 4. – SELECÇÃO ACABAMENTO DO EIXO

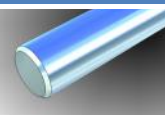
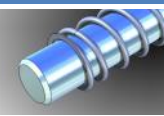
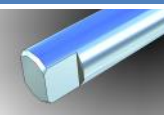
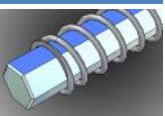
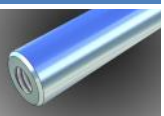
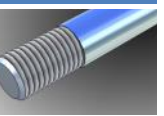
Ø SHAFT Ø AXE Ø EIXO (mm)	FINISHING / FINITION / ACABAMENTO					
	LIS	RES	PL	SW	RIM	REM
						
4	10	10	—	—	—	—
5	10	10	—	—	—	—
6	10	10	—	—	—	M6 x 15
8	10	10	—	—	M5 x 10	M8 x 15
10	10	10	8 X 10	—	M6 x 12	M10 x 15
SW11	—	—	—	10	—	—
12	10	10	10 x 10	—	M8 x 15	M12 x 15
14	10	10	12 x 10	—	M8 x 15	M14 x 20
15	10	10	12 x 10	—	M8 x 15	—
17	10	10	14 x 10	—	M10 x 20	M16 x 20
20	10	10	14 x 10	—	M10 x 20	M20 x 25
25	—	—	18 x 13	—	M16 x 30	M20 x 25
30	—	—	20 x 13	—	M16 x 30	—
35	—	—	27 x 15	—	M18 x 35	—
40	—	—	32 x 16	—	M20 x 40	—



TABLE 5. – HEADS COMBINATIONS IN ROLLERS

TABLEAU 5. – COMBINAISON D'EMBOUTS

TABELA 5. – COMBINAÇÃO DE CABEÇAS EM ROLOS

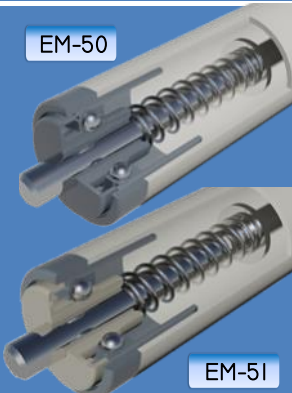
DRIVEN HEAD EMBOUT COMMANDÉ CABEÇA MOTRIZ		CABEZAL CONDUCIDO														
		THERMOPLASTIC THERMOPLASTIQUE TERMOPLÁSTICO						PRESSED STEEL MÉTALLIQUE EMMANCHÉ METÁLICA EMBUTIDA						WELDED SOUDÉ SOLDADA		
		EM-50	EM-101	EM-250	EM-330	EM-310	EM-350	EM-230-K	EM-240-K1	EM-240-K2	EM-260-CS	EM-260-K1	EM-260-K2	EMS	EMP-K1	EMP-K2
THERMOPLASTIC THERMOPLASTIQUE TERMOPLÁSTICO	EM-420 / EM-421		X			X		X								
	EM-430 / EM-431		X			X		X								
	EM-440 / EM-441		X			X		X								
	EM-450 / EM-451		X			X		X								
	EM-470 / EM-471		X			X		X								
	EM-480 / EM-481		X			X		X								
PRESSED STEEL MÉTALLIQUE EMMANCHÉ METÁLICA EMBUTIDA	EM-444 / EM-445		X			X		X				X				
	EM-454 / EM-455		X			X		X				X				
	EM-460 / EM-461		X			X		X				X				
	EM-464 / EM-465		X			X		X				X				
	EM-500 / EM-501		X			X		X				X				
	EM-506 / EM-507		X			X		X				X				
WELDED SOUDÉ SOLDADA	EM-502 / EM-508					X						X	X			
	EM-510 / EM-511											X	X		X	X
	EM-512 / EM-513											X	X		X	X
	EM-566			X												
CONICAL ROLLERS ROULEAUX CONIQUES/ ROLOS CÓNICOS	EM-540 / EM-541		X			X		X				X				
	EM-542 / EM-543		X			X		X				X				
	EM-550 / EM-551		X			X		X				X				
	EM-553 / EM-554		X			X		X				X				
	EM-552 / EM-555		X			X		X				X				
	EM-566 CON			X												

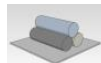


GRAVITY ROLLERS WITH THERMOPLASTIC HEADS

ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES

ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE		TUBE / TUBE / TUBO							SHAFT / AXE / EIXO				
		Ø (mm)	ST	STI	N	GAL	ALU	KG	4	5	6	8	10
EM-50 EM-51 EM-50-AN		12x1			✓				✓				
		16x1	✓	✓	✓		✓			✓	✓		
		20x1.5 	✓	✓	✓		✓	✓			✓	✓	
		30x1.5	✓	✓	✓		✓				✓	✓	✓
		30x1.8						✓			✓	✓	✓
		40x1.5	✓	✓	✓	✓	✓				✓	✓	✓
		40x2.3						✓			✓	✓	✓
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)											



POLYPROPYLENE HEAD (EXCEPT Ø12)
AISI-303 HEAD (FOR Ø12 TUBE)

EMBOUT POLYPROPYLENE (SAUF Ø12)
EMBOUT AISI-303 (POUR TUBE Ø12)

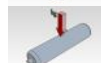
CABEÇA POLIPROPILENO (EXCEPTO Ø12)
CABEÇA AISI-303 (PARA TUBO Ø12)



SINGLE ROW BALL BEARINGS
- EM-50 CARBON STEEL
- EM-51 AISI-420 STAINLESS STEEL

UNE RANGÉE DE BILLES
- EM-50 ACIER AU CARBONE
- EM-51 ACIER INOX. AISI-420

UMA CARREIRA DE ESFERAS
- EM-50 AÇO DE CARBONO
- EM-51 AÇO INOX. AISI-420

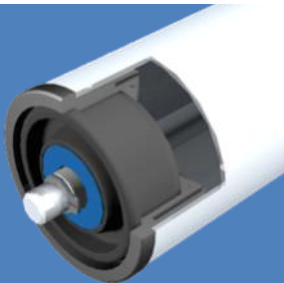


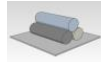
CONVEYING
daN/Head

MANUTENTION
daN/Embout

MOVIMENTAÇÃO
daN/Cabeça

Ø12 - Ø16 → 4
Ø20 → 5
Ø30 - Ø40 → 7

SERIES SÉRIE		TUBE / TUBE / TUBO						SHAFT / AXE / EIXO				
		Ø (mm)	ST	STI	N	GAL	ALU	KG	8	10	12	SW11
EM-101 EM-103 EM-101-AN		50x1.5 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		50x2.8						✓	✓	✓	✓	✓
		60x1.5	✓	✓		✓	✓		✓	✓	✓	✓
		60.3x2			✓				✓	✓	✓	✓
		60x2	✓	✓	✓	✓	✓		✓	✓	✓	✓
		63x3						✓	✓	✓	✓	✓
		80x2	✓	✓	✓	✓	✓		✓	✓	✓	✓
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)										



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLENE

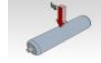
CABEÇA POLIPROPILENO



DOUBLE ROW BALL BEARINGS
- EM-101 CARBON STEEL
- EM-103 AISI-420 STAINLESS STEEL

DOUBLE RANGÉE DE BILLES
- EM-101 ACIER AU CARBONE
- EM-103 ACIER INOX. AISI-420

DUAS CARREIRAS DE ESFERAS
- EM-101 AÇO DE CARBONO
- EM-103 AÇO INOX. AISI-420

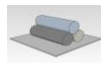


CONVEYING
12 daN/Head

MANUTENTION
12 daN/Embout

MOVIMENTAÇÃO
12 daN/Cabeça

SERIE		TUBE / TUBE / TUBO					TUBE / TUBE / TUBO			
		Ø (mm)	ST	STI	N	GAL	ALU	8	10	12
EM-250		30x1.5	✓	✓	✓		✓	✓	✓	
		40x1.5	✓	✓	✓	✓	✓	✓	✓	✓



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLENE

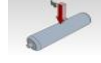
CABEÇA POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



CONVEYING
80 daN/Head

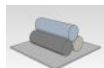
MANUTENTION
80 daN/Embout

MOVIMENTAÇÃO
80 daN/Cabeça



GRAVITY ROLLERS WITH THERMOPLASTIC HEADS ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO		
		Ø (mm)	ST	STI	N	ALU	KG	6	8
EM-50 CS EM-51 CS		20x1.5	✓	✓	✓	✓	✓	✓	
		30x1.8					✓		✓
		40x2.3					✓		✓



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

CABEÇA POLIPROPILENO

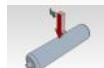


SINGLE ROW BALL BEARINGS

- EM-50 CARBON STEEL
- EM-51 AISI-420 STAINLESS STEEL

- UNE RANGÉE DE BILLES
- EM-50 ACIER AU CARBONE
 - EM-51 ACIER INOX. AISI-420

- UMA CARREIRA DE ESFERAS
- EM-50 AÇO DE CARBONO
 - EM-51 AÇO INOX. AISI-420



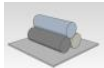
CONVEYING
daN/Head

MANUTENTION
daN/Embout

MOVIMENTAÇÃO
daN/Cabeça

Ø20 → 8
Ø30 - Ø40 → 10

SERIES SÉRIE		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO	
		Ø (mm)	ST	STI	N	ALU	KG	10
EM-101 CS EM-103 CS		50x2.8					✓	✓



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

CABEÇA POLIPROPILENO



SINGLE ROW BALL BEARINGS

- EM-101 CARBON STEEL
- EM-103 AISI-420 STAINLESS STEEL

- UNE RANGÉE DE BILLES
- EM-101 ACIER AU CARBONE
 - EM-103 ACIER INOX. AISI-420

- UMA CARREIRA DE ESFERAS
- EM-101 AÇO DE CARBONO
 - EM-103 AÇO INOX. AISI-420

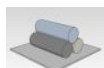


CONVEYING
15 daN/Head

MANUTENTION
15 daN/Embout

MOVIMENTAÇÃO
15 daN/Cabeça

SERIES SÉRIE		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO	
		Ø (mm)	ST	STI	N	GAL	KG	12
EM-350		50x1.5	✓	✓	✓	✓	✓	✓
		60x1.5	✓	✓		✓		✓
		60x2	✓	✓	✓	✓		✓
		63x3					✓	✓
		80x2	✓	✓		✓		✓



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

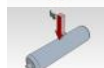
CABEÇA POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



CONVEYING
50 daN/Head

MANUTENTION
50 daN/Embout

MOVIMENTAÇÃO
50 daN/Cabeça

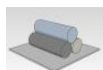


GRAVITY ROLLERS WITH THERMOPLASTIC HEADS

ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES

ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO						SHAFT / AXE / EIXO (mm)								
		Ø (mm)	ST	STI	N	GAL	ALU	KG	10	12	14	15	17	20	SW11	MB
EM-310	EM-310-AN	40x1.5 	✓	✓	✓	✓	✓		✓	✓					✓	
		50x1.5 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
		50x2.8 						✓	✓	✓	✓	✓			✓	
		60x1.5 	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
		60x2 	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
		63x3 	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	
		80x2	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)														



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

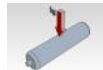
CABEÇA POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



MATERIALS HANDLING

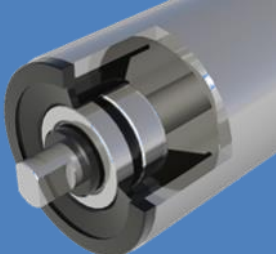
MANUTENTION

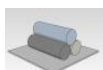
MOVIMENTAÇÃO

80 daN/Head—Ø 40
120 daN/Head— Ø50, Ø60, Ø63, Ø80, Ø89

80 daN/embout—Ø 40
120 daN/embout— Ø50, Ø60, Ø63, Ø80, Ø89

80 daN/cabeça—Ø 40
120 daN/cabeça—Ø50, Ø60, Ø63, Ø80, Ø89

SERIES d <i>MODELO</i>		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO		
		Ø (mm)	ST	STI	N	KG	17	20
EM-330		89 x 3	✓	✓	✓	✓	✓	✓
		90 x 7				✓	✓	✓
		108 x 3	✓	✓		✓	✓	✓



THERMOPLASTIC HEAD
THERMOPLASTIC LABYRINTH

EMBOUT THERMOPLASTIQUE
LABYRINTHE POLYPROPYLÈNE

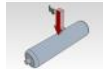
CABEÇA TERMOPLÁSTICO
LABIRINTO POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



MEDIUM DUTY BULK HANDLING
200 daN/Head

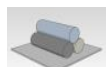
INDUSTRIE MINIÈRE SEMI-LOURDE
200 daN/Embout

ACTIVIDADE MINEIRA SEMI-PESADA
200 daN/Cabeça



GRAVITY ROLLERS WITH PRESSED STEEL HEADS
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES EMMANCHÉS
ROLOS LIVRES COM CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)						
		Ø (mm)	ST	STI	GAL	6	8	10	12	17	20	SW11
EM-230		18x1	✓	✓		✓						
		30x1.5	✓	✓		✓	✓	✓	✓			
		40x1.5	✓	✓	✓		✓	✓	✓			✓
		40x2	✓	✓			✓	✓	✓			✓
		50x1.5	✓	✓	✓		✓	✓	✓			✓
		50x2	✓	✓			✓	✓	✓			✓
		60x1.5	✓	✓	✓		✓	✓	✓	✓		✓
		60x2	✓	✓	✓		✓	✓	✓	✓		✓
		80x2	✓	✓	✓			✓	✓	✓	✓	✓



AP-02 ZINC-PLATED STEEL HEAD

EMBOUT ACIER AP-02 ZINGUÉ

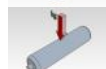
CABEÇA AÇO AP-02 ZINCADO



STAMPED BEARING

ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO



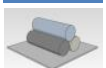
CONVEYING
daN/Head

MANUTENTION
daN/Embout

MOVIMENTAÇÃO
daN/Cabeça

Ø18 - Ø25 → 12
 Ø30 → 30
 Ø40 Ø50
 Ø60 Ø80 → 80

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)			
		Ø (mm)	ST	STI	GAL	8	10	12	SW11
EM-240-KI		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2	✓	✓		✓	✓	✓	✓
		50x3	✓	✓		✓	✓	✓	✓
		60x1.5	✓	✓	✓	✓	✓	✓	✓
		60x2	✓	✓	✓	✓	✓	✓	✓
		80x2	✓	✓	✓		✓	✓	✓



AP-02 ZINC-PLATED STEEL HEAD
HARDENED STEEL BUSHING

EMBOUT ACIER AP-02 ZINGUÉ
DOUILLE ACIER TREMPÉ

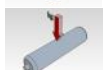
CABEÇA AÇO AP-02 ZINCADO
CASQUILHO AÇO TEMPERADO



STAMPED BEARING

ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO



CONVEYING
120 daN/Head

MANUTENTION
120 daN/Embout

MOVIMENTAÇÃO
120 daN/Cabeça



GRAVITY ROLLERS WITH PRESSED STEEL HEADS
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES EMMANCHÉS
ROLOS LIVRES COM CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)				
		Ø (mm)	ST	STI	GAL	10	12	14	15	SW11
EM-240-K2		50x1.5	✓	✓	✓	✓	✓	✓	✓	✓
		50x2	✓	✓		✓	✓	✓	✓	✓
		60x1.5	✓	✓	✓	✓	✓	✓	✓	✓
		60x2	✓	✓	✓	✓	✓	✓	✓	✓
		80x2	✓	✓	✓	✓	✓	✓	✓	



AP-02 ZINC-PLATED STEEL HEAD
HARDENED STEEL BUSHING

EMBOUT ACIER AP-02 ZINGUÉ
DOUILLE ACIER TREMPÉ

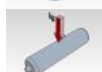
CABEÇA AÇO AP-02 ZINCADO
CASQUILHO AÇO TEMPERADO



STAMPED BEARING

ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO



CONVEYING
120 daN/Head

MANUTENTION
120 daN/Embout

MOVIMENTAÇÃO
120 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO		
		Ø (mm)	ST	STI	GAL	15	20	
						PL12x8 RIM8x15	PL14x10 RIM8x15	PL14x10 RIM10x15
EM-260-CS		50x1.5	✓	✓	✓	✓		
		60x2	✓	✓	✓	✓		
		80x2	✓	✓	✓		✓	✓
		89x3	✓	✓			✓	✓



AP-02 ZINC-PLATED STEEL HEAD

EMBOUT ACIER AP-02 ZINGUÉ

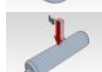
CABEÇA AÇO AP-02 ZINCADO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



PALLETIZATION
daN/Head

MANUTENTION
daN/Embout

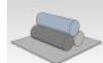
MOVIMENTAÇÃO
daN/Cabeça

Ø50 - Ø60 → 100
 Ø80 Ø89 → 170



GRAVITY ROLLERS WITH PRESSED STEEL HEADS
ROLEAUX LIBRES À EMBOUTS MÉTALLIQUES EMMANCHÉS
ROLOS LIVRES COM CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)				
		Ø (mm)	ST	STI	GAL	10	12	15	17	SW11
EM-260-K1		50x1.5	✓	✓	✓	✓	✓	✓	✓	✓
		50x2	✓	✓		✓	✓	✓		✓
		60x1.5	✓	✓	✓	✓	✓	✓		✓
		60x2	✓	✓	✓	✓	✓	✓	✓	✓
		60x3	✓	✓		✓	✓	✓	✓	✓
		70x2	✓	✓				✓	✓	
		70x3	✓	✓				✓	✓	
		80x2	✓	✓	✓	✓	✓	✓	✓	✓



AP-02 ZINC-PLATED STEEL HEAD
POLYPROPYLENE BUSHING

EMBOUT ACIER AP-02 ZINGUÉ
DOUILLE POLYPROPYLÈNE

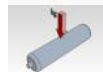
CABEÇA AÇO AP-02 ZINCADO
CASQUILHO POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



CONVEYING
daN/Head

MANUTENTION
daN/Embout

MOVIMENTAÇÃO
daN/Cabeça

Ø50 → 120
 Ø60 Ø70 Ø80 → 150

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	GAL	17	20	25
EM-260-K2		63x3	✓	✓			✓	
		80x2	✓	✓	✓	✓	✓	
		80x3	✓	✓		✓	✓	
		89x3	✓	✓		✓	✓	✓



AP-02 ZINC-PLATED STEEL HEAD
POLYPROPYLENE BUSHING

EMBOUT ACIER AP-02 ZINGUÉ
DOUILLE POLYPROPYLÈNE

CABEÇA AÇO AP-02 ZINCADO
CASQUILHO POLIPROPILENO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



PALLETIZATION
daN/Head

PALETTISATION
daN/Embout

PALETIZAÇÃO
daN/Cabeça

Ø63 → 200
 Ø80 Ø89 → 250



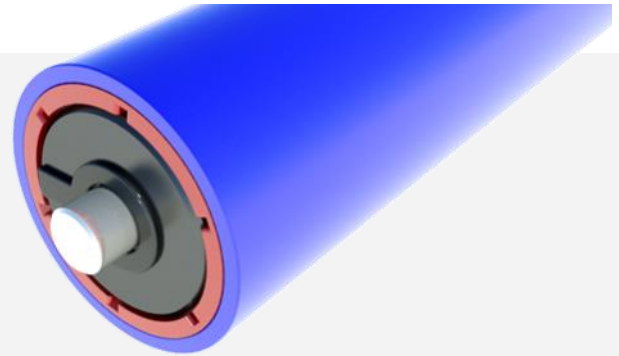
HDPE ROLLER
ROULEAU PEHD
ROLO HPDE





HDPE ROLLER
ROULEAU PEHD
ROLO HPDE

EM-340



TUBE / TUBE / TUBO

STANDARD LENGTH / LONGUEURS STANDARDS

Ø 89x6

Ø 108x6

Ø 133 x10

Ø 159x10

BELT
BANDE
BANDA

UPPER ROLLER
ROULEAU PORTANT
ROLO SUPERIOR

SHAFT
AXE
EIXO

SHAFT
AXE Ø 20
EIXO

SHAFT
AXE Ø 20
EIXO

SHAFT
AXE Ø 25
EIXO

SHAFT
AXE Ø 30
EIXO

SHAFT
AXE Ø 35
EIXO

SHAFT
AXE Ø 40
EIXO

500

200

226

✓

✓

✓

✓

✓

✓

650

250

276

✓

✓

✓

✓

✓

✓

800

315

341

✓

✓

✓

✓

✓

✓

1000

380

406

✓

✓

✓

✓

✓

✓

1200

465

491

✓

✓

✓

✓

✓

✓

BELT
BANDE
BANDA

RETURN ROLLER
ROULEAU DE REUTOUR
ROLO RETORNO

SHAFT
AXE
EIXO

SHAFT
AXE Ø 20
EIXO

SHAFT
AXE Ø 20
EIXO

SHAFT
AXE Ø 25
EIXO

SHAFT
AXE Ø 30
EIXO

SHAFT
AXE Ø 35
EIXO

SHAFT
AXE Ø 40
EIXO

500

600

626

✓

✓

✓

✓

✓

✓

650

750

782

✓

✓

✓

✓

✓

✓

800

950

982

✓

✓

✓

✓

✓

✓

1000

1150

1182

✓

✓

✓

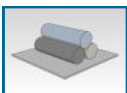
✓

✓

✓



CONSULT ETS FOR OTHER MATERIALS AND SPECIFICATIONS
POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS
OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS



HDPE HEAD AND TUBE
LABYRINTH SEAL PA 30GF

BOITIER ET TUBE PEHD
LABYRINTHE PA 30GF

CABEÇA E TUBO HDPE
LABIRINTO PA 30GF



HEAVY MINING

MINIÈRE LOURDE

MINERAÇÃO PESADA



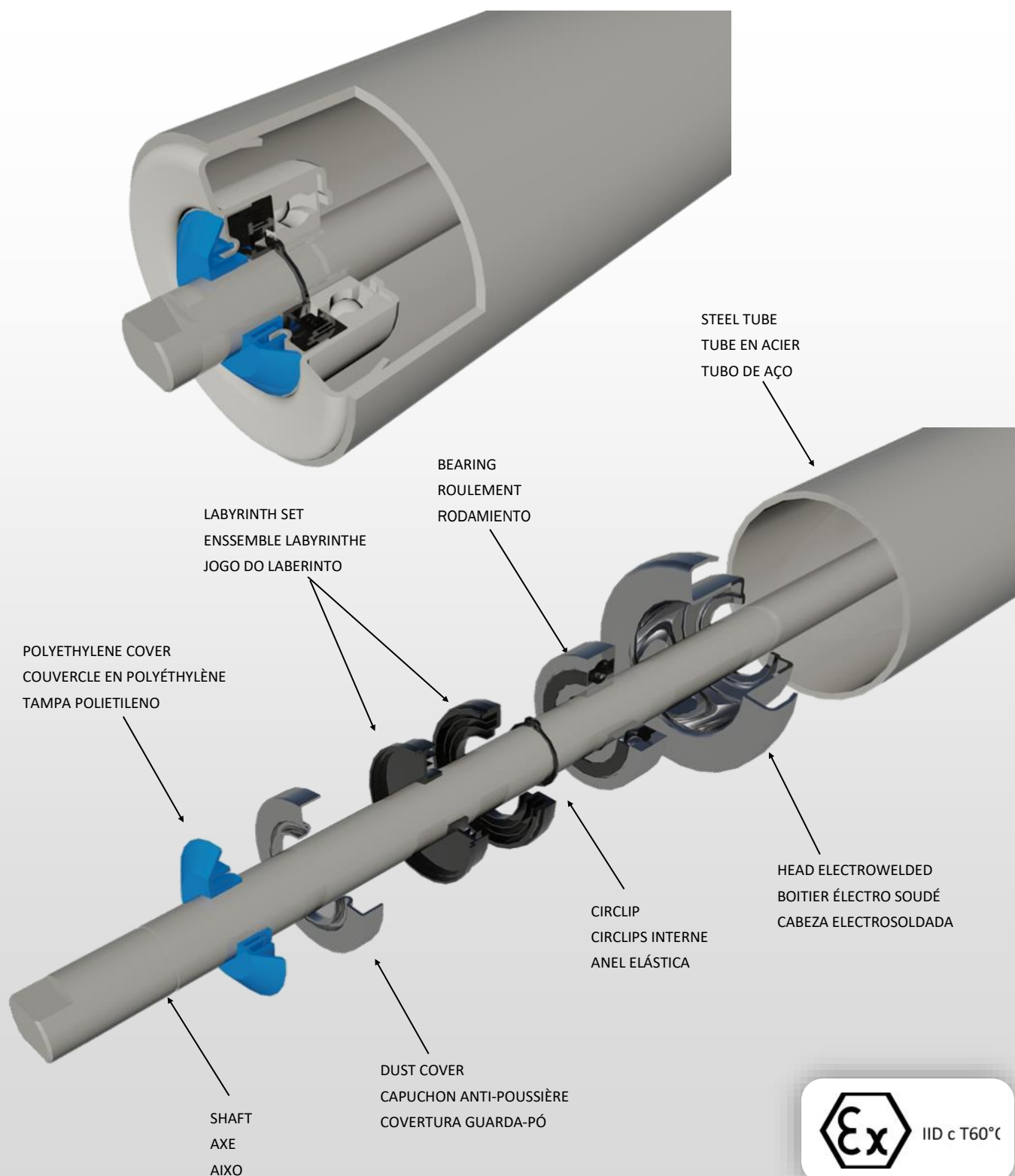
PRECISION BEARING
RVS

ROULEMENT DE PRÉCISION
MARQUE RVS

ROLAMENTO DE PRECISÃO
MARCA RVS

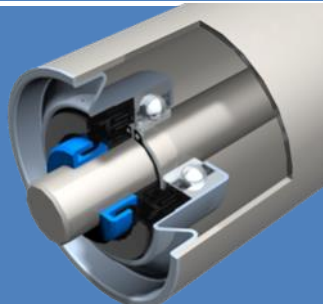


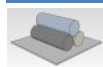
MINING ROLLER ASSEMBLY
MONTAGE ROULEAU MINE
MONTAGEM DO ROLO DE MINERAÇÃO





GRAVITY ROLLERS WITH WELDED STEEL HEADS
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES SOUDÉS
ROLOS LIVRES COM CABEÇAS METÁLICAS SOLDADAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	15	20
EMS		60x2	✓	✓	✓	✓
		76x2	✓	✓	✓	✓



AP-04 STEEL HEAD

BOITIER ACIER AP-04

CABEÇA AÇO AP-04



THERMOPLASTIC LABYRINTH

LABYRINTHE THERMOPLASTIQUE

LABIRINTO TERMOPLÁSTICO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



MEDIUM DUTY BULK HANDLING
PALLETIZATION -2 50 daN/Head
TUBE Ø60X2—GUIDE ROLLER

INDUSTRIE MINIÈRE SEMI-LOURDE
PALETTISATION—250 daN/Embout
TUBE Ø60X2—ROULEAUX GUIDE

ACTIVIDADE MINEIRA SEMI-PESADA
PALETIZAÇÃO—250 daN/Cabeça
TUBO Ø60X2—ROLO GUIA

SERIE

SHOCK ABSORBER CAOUTCHOUCS AMORTISSEURS BORRACHAS AMORTECEDORAS	SELF CLEANING HELICOIDAL CAOUTCHOUCS HÉLICOÏDAUX BORRACHAS HELICOIDAIS	SELF CLEANING OVAL CAOUTCHOUCS OVALES BORRACHAS OVAIS	SHOCK ABSORBER AMORTISSEUR AMORTECEDOR
 GA	 GH	 GO	 AL

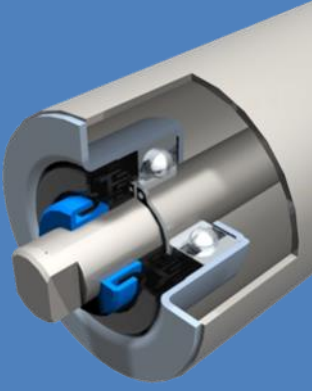
RUBBER DISCS FOR ROLLERS SERIES CAOUTCHOUCS POUR LES ROULEAUX BORRACHAS PARA OS ROLOS EM-330 EMS EMP-K1 EMP-K2	TYPE TYPE TIPO	Ø TUBE Ø TUBE(mm) Ø TUBO	Ø EXTERIOR Ø EXTÉRIEUR(mm) Ø EXTERIOR	GA	GH	GO
	63-89	63	89	✓	✓	✓
	63-108	63	108	✓	✓	✓
	63-133	63	133			✓
	89-133	89	133	✓	✓	✓
	89-159	89	159	✓	✓	✓
	108-159	108	159	✓		✓

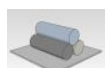
SHOCK ABSORBER ROLLER / ROULEAU AMORTISSEUR / ROLO AMORTECEDOR

AL	48—60	48	60	SHAFT / AXE / EIXO Ø15(mm)
	NOTE: MINIMUM LENGTH: 200mm (ACCORDING TO THE NUMBER OF INTERMEDIATE RUBBERS)			
	NOTE: LONGUEUR MINIMALE 200mm CONDITIONNÉE AU NOMBRE DES BAGUES DU MILIEU NOTA: LONGITUDE MINÍMA 200mm CONDICIONADA AO Nº BORRACHAS INTERMÉDIAS			



GRAVITY ROLLERS WITH WELDED STEEL HEADS
ROULEAUX LIBRES À EMBOUTS MÉTALLIQUES SOUDÉS
ROLOS LIVRES COM CABEÇAS METÁLICAS SOLDADAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	15	17	20
EMP-K1		60x3	✓	✓	✓	✓	✓
		70x3	✓	✓		✓	✓
		76x3	✓	✓		✓	✓



AP-04 STEEL HEAD

BOITIER ACIER AP-04

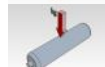
CABEÇA AÇO AP-04



THERMOPLASTIC LABYRINTH

LABYRINTHE THERMOPLASTIQUE

LABIRINTO TERMOPLÁSTICO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



HEAVY DUTY BULK HANDLING
PALLETIZATION 500 daN/Head

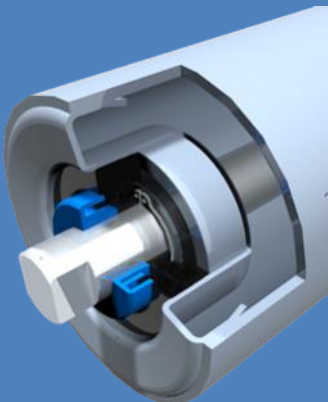
INDUSTRIE MINIÈRE LOURDE
PALETTISATION—500 daN/Embout

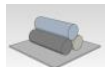
ACTIVIDADE MINEIRA PESADA
PALETIZAÇÃO—500 daN/Cabeça

TUBE Ø63.5X2.9 AND Ø89X3—GUIDE ROLLER

TUBE Ø63.5X2.9 ET Ø89X3—ROULEAU GUIDE

TUBO Ø63.5X2.9 ET Ø89X3—ROLO GUIA

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)					
		Ø (mm)	ST	STI	N	17	20	25	30	35	40
EMP-K2		63.5x2.9	✓	✓		✓	✓				
		80x2	✓	✓		✓	✓				
		80x3	✓	✓		✓	✓				
		89x3	✓	✓	✓	✓	✓	✓	✓		
		101.6 x 3	✓	✓		✓	✓	✓	✓	✓	
		108x3	✓	✓		✓	✓	✓	✓		
		108x3.6	✓	✓	✓	✓	✓	✓	✓		
		127x4	✓	✓				✓			
		133x4	✓	✓		✓	✓	✓	✓	✓	✓
		159x4.5	✓	✓				✓	✓		✓



AP-04 STEEL HEAD

BOITIER ACIER AP-04

CABEÇA AÇO AP-04



THERMOPLASTIC LABYRINTH

LABYRINTHE THERMOPLASTIQUE

LABIRINTO TERMOPLÁSTICO



PRECISION BEARING

ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



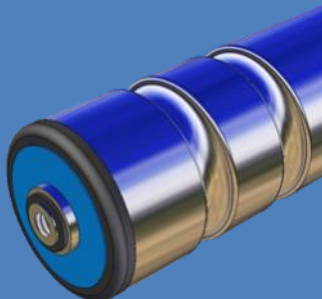
HEAVY DUTY BULK HANDLING
PALLETIZATION - 500 daN/Head
TUBE Ø60X3—GUIDE ROLLER

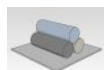
INDUSTRIE MINIÈRE LOURDE
PALETTISATION—500 daN/Embout
TUBE Ø60X3—ROULEAUX GUIDE

ACTIVIDADE MINEIRA PESADA
PALETIZAÇÃO—500 daN/Cabeça
TUBO Ø60X3—ROLO GUIA



GRAVITY ROLLERS WITH THERMOPLASTIC HEADS
ROULEAUX LIBRES À EMBOUTS THERMOPLASTIQUES
ROLOS LIVRES COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)					
		Ø (mm)	ST	STI	10	12	14	15	17	SW11
EM-310-DG		40 x 1.5 	✓	✓	✓	✓				✓
		50 x 1.5 	✓	✓	✓	✓	✓	✓		✓
		60 x 1.5 	✓	✓	✓	✓	✓	✓		✓
		60 x 2 	✓	✓	✓	✓	✓	✓	✓	✓
		80 x 2	✓	✓	✓	✓	✓	✓	✓	✓
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)								



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

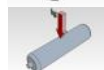
CABEÇA POLIPROPILENO



**DOUBLE THROAT
TOROIDAL BELT Ø4-Ø6-Ø8mm**

DOUBLE GORGE
COURROIE TOROÏDALE Ø4-Ø6-Ø8mm

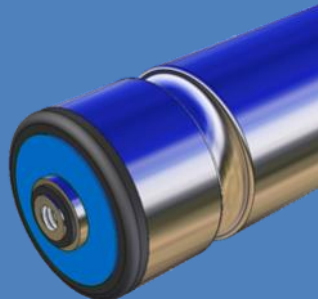
GARGANTA DUPLA
CORREIA TOROIDAL Ø4-Ø6-Ø8mm

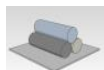


120 daN/Head

120 daN/Embout

120 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)					
		Ø (mm)	ST	STI	10	12	14	15	17	SW11
EM-310-SG		40 x 1.5 	✓	✓	✓	✓				✓
		50 x 1.5 	✓	✓	✓	✓	✓	✓		✓
		60 x 1.5 	✓	✓	✓	✓	✓	✓		✓
		60 x 2 	✓	✓	✓	✓	✓	✓	✓	✓
		80 x 2	✓	✓	✓	✓	✓	✓	✓	✓
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)								



POLYPROPYLENE HEAD

EMBOUT POLYPROPYLÈNE

CABEÇA POLIPROPILENO



**SINGLE THROAT
TOROIDAL BELT Ø4-Ø6-Ø8mm**

SIMPLE GORGE
COURROIE TOROÏDALE Ø4-Ø6-Ø8mm

GARGANTA SIMPLES
CORREIA TOROIDAL Ø4-Ø6-Ø8mm



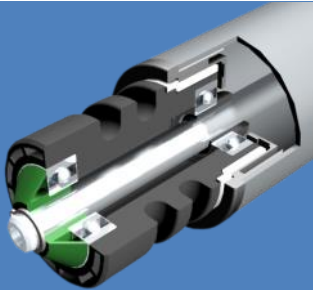
120 daN/Head

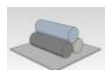
120 daN/Embout

120 daN/Cabeça



DRIVEN ROLLERS WITH THERMOPLASTIC HEADS
ROULEAUX COMMANDÉS À EMBOUTS THERMOPLASTIQUES
ROLOS TRACCIONADOS COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-420 EM-421		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓	✓	✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

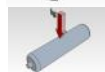
CABEÇA POLIAMIDA



DOUBLE THROAT
TOROIDAL BELT Ø 5mm

DOUBLE GORGE
COURROIE TOROÏDALE Ø 5mm

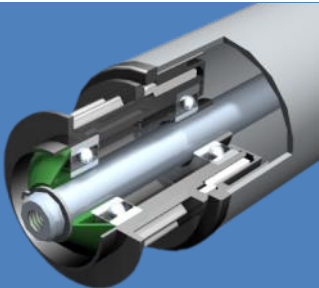
GARGANTA DUPLA
CORREIA TOROIDAL Ø 5mm

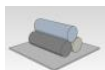


EM-420: ACCUMULATION
EM-421: FIXED
40 daN/Head

EM-420: ACCUMULATION
EM-421: FIXE
40 daN/Embout

EM-420: ACUMULAÇÃO
EM-421: FIXO
40 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-430 EM-431		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓	✓	✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

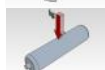
CABEÇA POLIAMIDA



TOOTHED BELT HTD Z-20- Ø 8mm

COURROIE CRANTÉE: HTD Z-20 - Ø 8MM

CORREIA DENTADA:HTD Z-20 - 8M



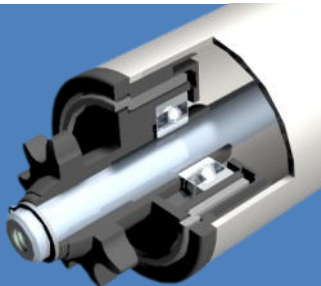
EM-430: ACCUMULATION
EM-431: FIXED
40 daN/Head

EM-430: ACCUMULATION
EM-431: FIXE
40 daN/Embout

EM-430: ACUMULAÇÃO
EM-431: FIXO
40 daN/Cabeça



DRIVEN ROLLERS WITH THERMOPLASTIC HEADS
ROULEAUX COMMANDÉS À EMBOUTS THERMOPLASTIQUES
ROLOS TRACÇIONADOS COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-440 EM-441		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓	✓	✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

CABEÇA POLIAMIDA



SINGLE Z9 - 1/2"

SIMPLE Z9 - 1/2"

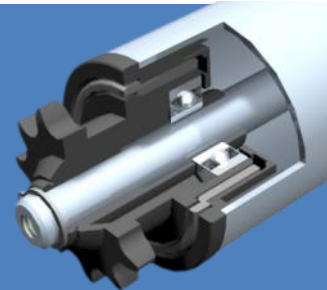
SIMPLES Z9 - 1/2"

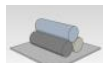


EM-440: ACCUMULATION
EM-441: FIXED
40 daN/Head

EM-440: ACCUMULATION
EM-441: FIXE
40 daN/Embout

EM-440: ACUMULAÇÃO
EM-441: FIXO
40 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-450 EM-451		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓	✓	✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

CABEÇA POLIAMIDA



SINGLE Z11 - 1/2"

SIMPLE Z11 - 1/2"

SIMPLES Z11 - 1/2"



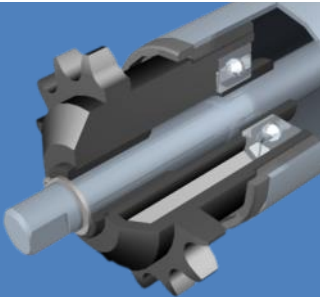
EM-450: ACCUMULATION
EM-451: FIXED
40 daN/Head

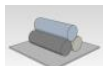
EM-450: ACCUMULATION
EM-451: FIXE
40 daN/Embout

EM-450: ACUMULAÇÃO
EM-451: FIXO
40 daN/Cabeça



DRIVEN ROLLERS WITH THERMOPLASTIC HEADS
ROULEAUX COMMANDÉS À EMBOUTS THERMOPLASTIQUES
ROLOS TRACÇIONADOS COM CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-470 EM-471		50x1.5	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓	✓	✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

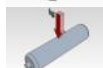
CABEÇA POLIAMIDA



SINGLE Z14 - 1/2"

SIMPLE Z14 - 1/2"

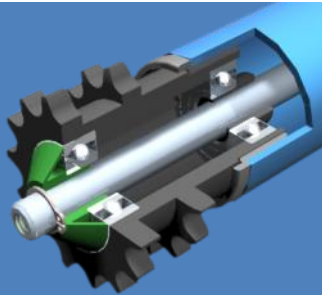
SIMPLES Z14 - 1/2"

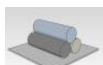


EM-470: ACCUMULATION
EM-471: FIXED
40 daN/Head

EM-470: ACCUMULATION
EM-471: FIXE
40 daN/Embout

EM-470: ACUMULAÇÃO
EM-471: FIXO
40 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)			
		Ø (mm)	ST	STI	N	GAL	KG	12	14	15
EM-480 EM-481		50x1.5	✓	✓	✓	✓	✓	✓	✓	✓
		50x2.8					✓	✓	✓	
		60x2	✓	✓	✓	✓		✓	✓	✓
		60.3x2			✓			✓	✓	
		63x3					✓	✓	✓	
		80x2	✓	✓	✓	✓		✓	✓	✓



POLYAMIDE HEAD

EMBOUT POLYAMIDE 6

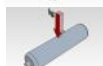
CABEÇA POLIAMIDA



DOUBLE Z14 - 1/2"

DOUBLE Z14 - 1/2"

DUPLA Z14 - 1/2"



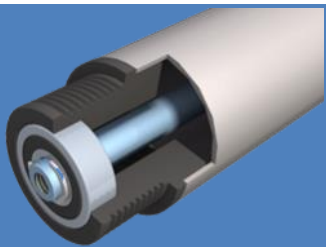
EM-480: ACCUMULATION
EM-481: FIXED
40 daN/Head

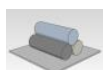
EM-480: ACCUMULATION
EM-481: FIXE
40 daN/Embout

EM-480: ACUMULAÇÃO
EM-481: FIXO
40 daN/Cabeça



DRIVEN ROLLERS WITH POLY-V HEADS
ROULEAUX COMMANDÉS À EMBOUTS POLY-V
ROLOS TRACÇIONADOS COM CABEÇAS POLY-V

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	N	GAL	12	SW11
EM-411 EM-415 EM-416		50X1.5	✓	✓	✓	✓	✓	✓



EM-411 THERMOPLASTIC HEAD
EM-415 / EM-416 STEEL HEAD

EM-411 EMBOUT THERMOPLASTIQUE
EM-415 / EM-416 EMBOUT ACIER

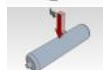
EM-411 CABEÇA TERMOPLÁSTICA
EM-415 / EM-416 CABEÇA AÇO



EM-411 / EM-415 FIXED
EM-416 WELDED (NOT GALVANIZED)
POLY-V BELT 2,34 mm

EM-411 / EM-415 FIXE
EM-416 SOUDÉ (NON GALVANISÉ)
COURROIE POLY-V 2,34 mm

EM-411 / EM415 FIXO
EM-416 SOLDADA (NÃO GALVANIZADO)
CORREIA POLY-V 2,34 mm

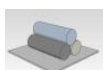


40 daN/Head

40 daN/Embout

40 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	N	GAL	12	SW11
EM-411-CON EM-415-CON EM-416-CON		50X1.5	✓	✓	✓	✓	✓	✓



EM-411 THERMOPLASTIC HEAD
EM-415 / EM-416 STEEL HEAD

EM-411 EMBOUT THERMOPLASTIQUE
EM-415 / EM-416 EMBOUT ACIER

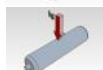
EM-411 CABEÇA TERMOPLÁSTICA
EM-415 / EM-416 CABEÇA AÇO



EM-411 / EM-415 FIXED
EM-416 WELDED (NOT GALVANIZED)
POLY-V BELT 2,34 mm

EM-411 / EM-415 FIXÉ
EM-416 SOUDÉ (NON GALVANISÉ)
COURROIE POLY-V 2,34 mm

EM-411 / EM415 FIXO
EM-416 SOLDADA (NÃO GALVANIZADO)
CORREIA POLY-V 2,34 mm



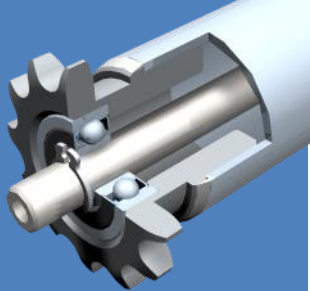
CURVE Ri=800mm
40 daN/Head

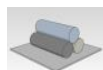
COURBES Ri=800mm
40 daN/Embout

CURVAS Ri=800mm
40 daN/Cabeça



DRIVEN ROLLERS WITH STEEL HEADS
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES
ROLOS TRACCIONADOS COM CABEÇAS METÁLICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	N	8	10
EM-520 EM-521 EM-522		30x1.5	✓	✓	✓	✓	✓



EM-520/EM-521 PRESSED STEEL HEAD
EM-522 WELDED STEEL HEAD

EM-520/EM-521 EMBOUT MÉTALLIQUE EMMANCHÉ
 EM-522 EMBOUT MÉTALLIQUE SOUDÉ

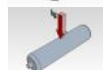
EM-520/521 CABEÇA METÁLICA EMBUTIDA
 EM-522 CABEÇA METÁLICA SOLDADA



EM-520 FIXED
EM-521 ACCUMULATION
EM-522 WELDED

EM-520 FIXE
 EM-521 ACCUMULATION
 EM-522 SOUDÉ

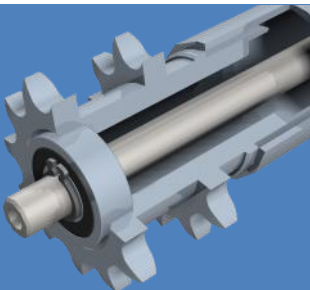
EM-520 / EM-522 FIXO
 EM-521 ACUMULAÇÃO
 EM-522 SOLDADA

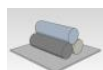


SINGLE Z12 - 3/8"
20 daN/Head

SIMPLE Z12 - 3/8"
20 daN/Embout

SIMPLES Z12 - 3/8"
20 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	N	8	10
EM-523 EM-524 EM-525		30x1.5	✓	✓	✓	✓	✓



EM-523/EM-524 PRESSED STEEL HEAD
EM-525 WELDED STEEL HEAD

EM-523/EM-524 EMBOUT MÉTALLIQUE EMMANCHÉ
 EM-525 EMBOUT MÉTALLIQUE SOUDÉ

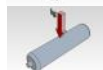
EM-523/524 CABEÇA METÁLICA EMBUTIDA
 EM-525 CABEÇA METÁLICA SOLDADA



EM-523 FIXED
EM-524 ACCUMULATION
EM-525 WELDED

EM-523 FIXE
 EM-524 ACCUMULATION
 EM-525 SOUDÉ

EM-523 FIXO
 EM-524 ACUMULAÇÃO
 EM-525 SOLDADA



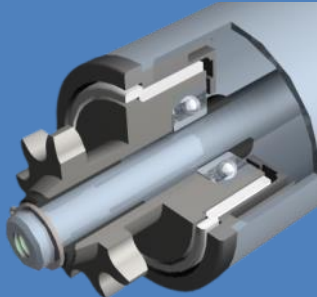
DOUBLE Z12 - 3/8"
20 daN/Head

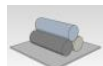
DOUBLE Z12 - 3/8"
20 daN/Embout

DUPLA Z12 - 3/8"
20 daN/Cabeça



DRIVEN ROLLERS WITH STEEL HEADS
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES
ROLOS TRACÇIONADOS COM CABEÇAS METÁLICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-444 EM-445		50x1.5	✓	✓	✓	✓		✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓		✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



F-114 STEEL HEAD

EMBOUT ACIER F-114

CABEÇA AÇO F-114



SINGLE Z9 - 1/2"

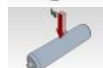
SIMPLE Z9 - 1/2"

SIMPLES Z9 - 1/2"

EM-444: ACCUMULATION
EM-445: FIXED

EM-444: ACCUMULATION
EM-445: FIXE

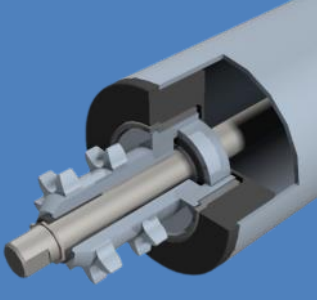
EM-444: ACUMULAÇÃO
EM-445: FIXO

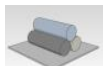


EM-444: 40 daN/Head
EM-445: 80 daN/Head

EM-444: 40 daN/Embout
EM-445: 80 daN/Embout

EM-444: 40 daN/Cabeça
EM-445: 80 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-464 EM-465		50x1.5	✓	✓	✓	✓		✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓		✓		✓	✓
		60.3x2			✓			✓	✓
		63x3	✓	✓			✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



F-114 STEEL HEAD

EMBOUT ACIER F-114

CABEÇA AÇO F-114



DOUBLE Z9 - 1/2"

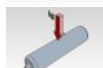
DOUBLE Z9 - 1/2"

DUPLA Z9 - 1/2"

EM-464: ACCUMULATION
EM-465: FIXED

EM-464: ACCUMULATION
EM-465: FIXE

EM-464: ACUMULAÇÃO
EM-465: FIXO



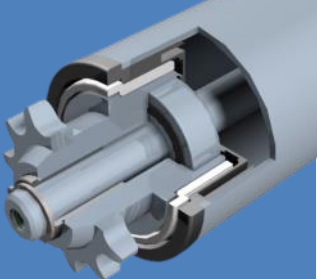
EM-464: 40 daN/Head
EM-465: 80 daN/Head

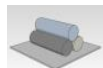
EM-464: 40 daN/Embout
EM-465: 80 daN/Embout

EM-464: 40 daN/Cabeça
EM-465: 80 daN/Cabeça



DRIVEN ROLLERS WITH STEEL HEADS
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES
ROLOS TRACÇIONADOS COM CABEÇAS METÁLICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-454 EM-455		50x1.5	✓	✓	✓	✓		✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓		✓		✓	✓
		60.3x2			✓			✓	✓
		63x3					✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



F-114 STEEL HEAD

EMBOUT ACIER F-114

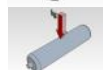
CABEÇA AÇO F-114



SINGLE Z11 - 1/2"
EM-454: ACCUMULATION
EM-455: FIXED

SIMPLE Z11 - 1/2"
EM-454: ACCUMULATION
EM-455: FIXE

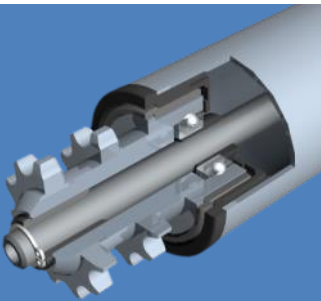
SIMPLES Z11 - 1/2"
EM-454: ACUMULAÇÃO
EM-455: FIXO

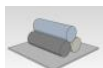


EM-454: 40 daN/Head
EM-455: 100 daN/Head

EM-454: 40 daN/Embout
EM-455: 100 daN/Embout

EM-454: 40 daN/Cabeça
EM-455: 100 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	KG	12	14
EM-460 EM-461		50x1.5	✓	✓	✓	✓		✓	✓
		50x2.8					✓	✓	✓
		60x2	✓	✓		✓		✓	✓
		60.3x2			✓			✓	✓
		63x3	✓	✓			✓	✓	✓
		80x2	✓	✓	✓	✓		✓	✓



F-114 STEEL HEAD

EMBOUT ACIER F-114

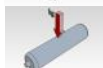
CABEÇA AÇO F-114



DOUBLE Z11 - 1/2"
EM-460: ACCUMULATION
EM-461: FIXED

DOUBLE Z11 - 1/2"
EM-460: ACCUMULATION
EM-461: FIXE

DUPLA Z11 - 1/2"
EM-460: ACUMULAÇÃO
EM-461: FIXO



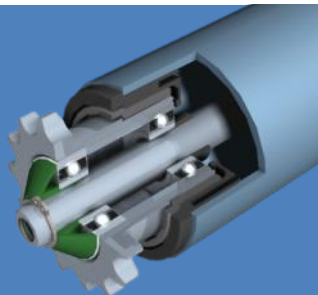
EM-460: 40 daN/Head
EM-461: 100 daN/Head

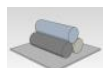
EM-460: 40 daN/Embout
EM-461: 100 daN/Embout

EM-460: 40 daN/Cabeça
EM-461: 100 daN/Cabeça



DRIVEN ROLLERS WITH STEEL HEADS
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES
ROLOS TRACÇIONADOS COM CABEÇAS METÁLICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)				
		Ø (mm)	ST	STI	N	GAL	KG	12	14	15	17
EM-506 EM-507 EM-508		50x1.5	✓	✓	✓	✓		✓	✓	✓	✓
		50x2.8					✓	✓	✓		
		60x2	✓	✓		✓		✓	✓	✓	✓
		60.3x2			✓			✓	✓		
		63x3					✓	✓	✓	✓	✓
		80x2	✓	✓		✓		✓	✓	✓	✓



EM-506/EM-507 PRESSED STEEL HEAD
EM-508 WELDED STEEL HEAD

EM-506/EM-507 EMBOUT MÉTALLIQUE EMMANCHÉ
EM-508 EMBOUT MÉTALLIQUE SOUDÉ

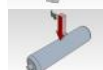
EM-506/507 CABEÇA METÁLICA EMBUTIDA
EM-508 CABEÇA METÁLICA SOLDADA



EM-506 ACCUMULATION
EM-507 / EM-508 FIXED
SINGLE Z14 - 1/2"

EM-506 ACCUMULATION
EM-507 / EM-508 FIXE
SIMPLE Z14 - 1/2"

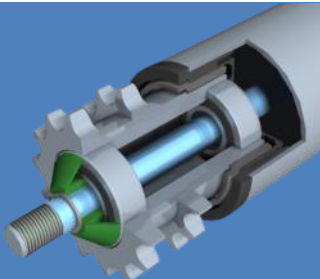
EM-506 ACUMULAÇÃO
EM-507 / EM-508 FIXO
SIMPLES Z14 - 1/2"

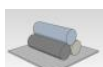


EM-506 40 daN/Head
EM-507 100 daN/Head
EM-508 100 daN/Head

EM-506 40 daN/Embout
EM-507 100 daN/Embout
EM-508 100 daN/Embout

EM-506 40 daN/Cabeça
EM-507 100 daN/Cabeça
EM-508 100 daN/Cabeça

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)				
		Ø (mm)	ST	STI	N	GAL	KG	12	14	15	17
EM-500 EM-501 EM-502		50x1.5	✓	✓	✓	✓		✓	✓	✓	✓
		50x2.8					✓	✓	✓		
		60x2	✓	✓		✓		✓	✓	✓	✓
		60X3	✓	✓						✓	✓
		60.3x2			✓			✓	✓		
		63x3					✓	✓	✓		✓
		80x2	✓	✓	✓	✓		✓	✓	✓	✓
		80x3	✓	✓							✓



EM-500/EM-501 PRESSED STEEL HEAD
EM-502 WELDED STEEL HEAD

EM-500/EM-501 EMBOUT MÉTALLIQUE EMMANCHÉ
EM-502 EMBOUT MÉTALLIQUE SOUDÉ

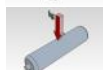
EM-500/501 CABEÇA METÁLICA EMBUTIDA
EM-502 CABEÇA METÁLICA SOLDADA



EM-500 ACCUMULATION
EM-501 / EM-502 FIXED
DOUBLE Z14 - 1/2"

EM-500 ACCUMULATION
EM-501 / EM-502 FIXE
DOUBLE Z14 - 1/2"

EM-500 ACUMULAÇÃO
EM-501 / EM-502 FIXO
DUPLA Z14 - 1/2"



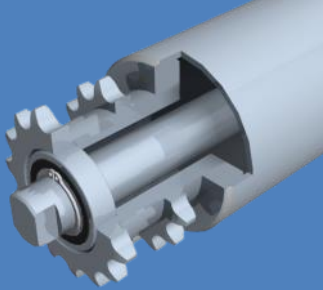
EM-500 40 daN/Head
EM-501 100 daN/Head
EM-502 100 daN/Head

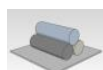
EM-500 40 daN/Embout
EM-501 100 daN/Embout
EM-502 100 daN/Embout

EM-501 40 daN/Cabeça
EM-502 100 daN/Cabeça
EM-503 100 daN/Cabeça



DRIVEN ROLLERS WITH STEEL HEADS
ROULEAUX COMMANDÉS À EMBOUTS MÉTALLIQUES
ROLOS TRACÇIONADOS COM CABEÇAS METÁLICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	17	20	25
EM-510 EM-511		80x2	✓	✓	✓	✓	
		80x3	✓	✓	✓	✓	
		89x3	✓	✓	✓	✓	✓
		108x3	✓	✓		✓	✓
		133x4	✓	✓		✓	✓



F-114 STEEL HEAD
WELDED HEAD

EMBOUT ACIER F-114
EMBOUT SOUDÉ

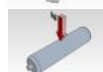
CABEÇA AÇO F-114
CABEÇA SOLDADA



EM-510 DOUBLE Z15 - 5/8"
EM-511 SINGLE Z15 - 5/8"

EM-510 DOUBLE Z15 - 5/8"
EM-511 SIMPLE Z15 - 5/8"

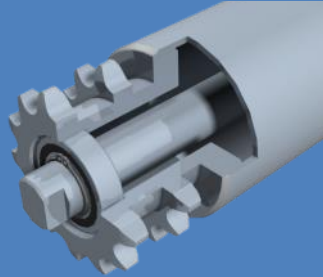
EM-510 DUPLÉ Z15 - 5/8"
EM-511 SIMPLÉS Z15 - 5/8"

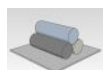


PALLETIZATION
ACCORDING TO TYPE

PALETTISATION
SELON LE TYPE

PALETIZAÇÃO
POR TIPO

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO			SHAFT / AXE / EIXO (mm)	
		Ø (mm)	ST	STI	20	25
EM-512 EM-513		89x3	✓	✓	✓	✓
		108x3.6	✓	✓	✓	✓
		133x4	✓	✓	✓	✓



F-114 STEEL HEAD
WELDED HEAD

EMBOUT ACIER F-114
EMBOUT SOUDÉ

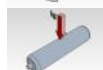
CABEÇA AÇO F-114
CABEÇA SOLDADA



EM-512 DOUBLE Z13 - 3/4"
EM-513 SINGLE Z13 - 3/4"

EM-512 DOUBLE Z13 - 3/4"
EM-513 SIMPLE Z13 - 3/4"

EM-512 DUPLÉ Z13 - 3/4"
EM-513 SIMPLÉS Z13 - 3/4"



PALLETIZATION
ACCORDING TO TYPE

PALETTISATION
SELON LE TYPE

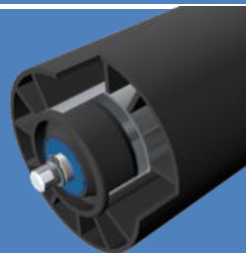
PALETIZAÇÃO
POR TIPO



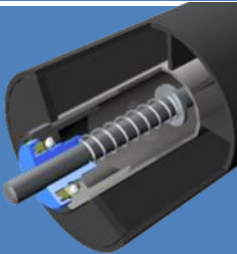
CONICAL GRAVITY ROLLERS

ROULEAUX LIBRES CONIQUES

ROLOS LIVRES CÔNICOS

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO						SHAFT / AXE / EIXO (mm)					
			Ø (mm)	ST	STI	N	ALU	GAL	8	10	12	14	15	SW11
EM-600		600-101	50x1.5	✓	✓	✓	✓	✓	✓	✓	✓			✓
		600-103		✓	✓	✓	✓	✓	✓	✓	✓			✓
		600-310		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
		600-230		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
		600-260		✓	✓	✓	✓	✓		✓	✓		✓	✓

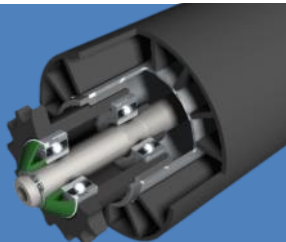
   	EM-600-101: THERMOPLASTIC HEAD EM-600-103: THERMOPLASTIC HEAD EM-600-310: THERMOPLASTIC HEAD EM-600-230: PRESSED STEEL HEAD EM-600-260: PRESSED STEEL HEAD	EM-600-101: THERMOPLASTIQUE EM-600-103: THERMOPLASTIQUE EM-600-310: THERMOPLASTIQUE EM-600-230: MÉTALLIQUE EMMANCHÉ EM-600-260: MÉTALLIQUE EMMANCHÉ	EM-600-101: TERMOPLÁSTICO EM-600-103: TERMOPLÁSTICO EM-600-310: TERMOPLÁSTICO EM-600-230: METÁLICO EMBUTIDO EM-600-260: METÁLICO EMBUTIDO
	EM-600-101: DOUBLE ROW BALL BEARINGS EM-600-103: DOUBLE ROW BALL BEARINGS EM-600-310: PRECISION BEARING EM-600-230: STAMPED BEARING EM-600-260: PRECISION BEARING	EM-600-101: DOUBLE RANGÉE DE BILLES EM-600-103: DOUBLE RANGÉE DE BILLES EM-600-310: ROULEMENT DE PRÉCISION EM-600-230: ROULEMENT ESTAMPÉ EM-600-260: ROULEMENT DE PRÉCISION	EM-600-101: DUAS CARREIRAS DE ESFERAS EM-600-103: DUAS CARREIRAS DE ESFERAS EM-600-310: ROLAMENTO PRECISÃO EM-600-230: ROLAMENTO ESTAMPADO EM-600-260: ROLAMENTO PRECISÃO
	daN/Head	daN/Embout	daN/Cabeça
	INNER CURVE RADIUS = 800 mm	COURBES Ri = 800 mm	CURVAS Ri = 800 mm
			

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)			
			Ø (mm)	ST	STI	N	ALU	6	8	10	12
EM-602		602-50	30x1.5	✓	✓	✓	✓	✓	✓	✓	
		602-51		✓	✓	✓	✓	✓	✓	✓	
		602-250		✓	✓	✓	✓		✓	✓	✓
		602-230		✓	✓	✓	✓	✓	✓	✓	✓

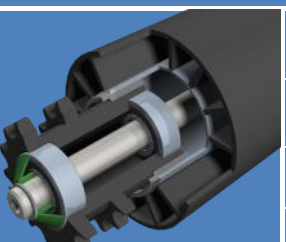
   	EM-602-50: THERMOPLASTIC HEAD EM-602-51: THERMOPLASTIC HEAD EM-602-250: NYLON HEAD EM-602-230: PRESSED STEEL HEAD	EM-602-50: THERMOPLASTIQUE EM-602-51: THERMOPLASTIQUE EM-602-250: NYLON EM-602-230: MÉTALLIQUE EMMANCHÉ	EM-602-50: TERMOPLÁSTICO EM-602-51: TERMOPLÁSTICO EM-602-250: NYLON EM-602-230: METÁLICO EMBUTIDO
	EM-602-50: SINGLE ROW BALL BEARINGS EM-602-51: SINGLE ROW BALL BEARINGS EM-602-250: PRECISION BEARING EM-602-230: STAMPED BEARING	EM-602-50: UNE RANGÉE DE BILLES EM-602-51: UNE RANGÉE DE BILLES (INOX) EM-602-250: ROULEMENT DE PRÉCISION EM-602-230: ROULEMENT ESTAMPÉ	EM-602-50: UMA CARREIRA DE ESFERAS EM-602-51: UMA CARREIRA DE ESFERAS EM-602-250: ROLAMENTO PRECISÃO EM-602-230: ROLAMENTO ESTAMPADO
	daN/Head	daN/Embout	daN/Cabeça
	INNER CURVE RADIUS = 500 mm	COURBES Ri = 500 mm	CURVAS Ri = 500 mm
			



CONICAL DRIVEN ROLLERS ROULEAUX COMMANDÉS CONIQUES ROLOS TRACÇIONADOS CÔNICOS

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO						SHAFT / AXE / EIXO (mm)	
			Ø (mm)	ST	STI	N	ALU	GAL	12	14
EM-542 EM-543		54*-101	50x1.5	✓	✓	✓	✓	✓	✓	
		54*-103		✓	✓	✓	✓	✓	✓	
		54*-230		✓	✓	✓	✓	✓	✓	
		54*-310		✓	✓	✓	✓	✓	✓	✓

	THERMOPLASTIC HEAD	EMBOUT THERMOPLASTIQUE	CABEÇA TERMOPLÁSTICO
	EM-542 ACCUMULATION EM-543 FIXED SINGLE Z14 - 1/2"	EM-542 ACCUMULATION EM-543 FIXE SIMPLE Z14 - 1/2"	EM-542 ACUMULAÇÃO EM-543 FIXO SIMPLES Z14 - 1/2"
	ACCORDING TO TYPE	SELON LE TYPE	POR TIPO
	INNER CURVE RADIUS = 800 mm	COURBES Ri = 800 mm	CURVAS Ri = 800 mm

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)	
			Ø (mm)	ST	STI	N	ALU	GAL	12
EM-540 EM-541		54*-101	50x1.5	✓	✓	✓	✓	✓	
		54*-103		✓	✓	✓	✓	✓	
		54*-230		✓	✓	✓	✓	✓	
		54*-310		✓	✓	✓	✓	✓	✓

	THERMOPLASTIC HEAD	EMBOUT THERMOPLASTIQUE	CABEÇA TERMOPLÁSTICO
	EM-540 ACCUMULATION EM-541 FIXED DOUBLE Z14 - 1/2"	EM-540 ACCUMULATION EM-541 FIXE DOUBLE Z14 - 1/2"	EM-540 ACUMULAÇÃO EM-541 FIXO DUPLA Z14 - 1/2"
	ACCORDING TO TYPE	SELON LE TYPE	POR TIPO
	INNER CURVE RADIUS = 800 mm	COURBES Ri = 800 mm	CURVAS Ri = 800 mm



CONICAL DRIVEN ROLLERS ROULEAUX COMMANDÉS CONIQUES ROLOS TRACÇIONADOS CÔNICOS

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)	
			Ø (mm)	ST	STI	N	8	10
EM-561 CON EM-562 CON EM-563 CON		56*-250	30x1.5	✓	✓	✓	✓	✓

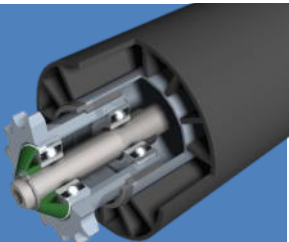
	EM-561/EM-562 PRESSED STEEL HEAD EM-563 WELDED STEEL HEAD	EM-561/EM-562 EMBOUT MÉTALLIQUE EMMANCHÉ EM-563 EMBOUT MÉTALLIQUE SOUDÉ	EM-561/562 CABEÇA METÁLICA EMBUTIDA EM-563 CABEÇA METÁLICA SOLDADA
	EM-562 ACCUMULATION EM-561 / EM-563 FIXED SINGLE Z12 - 3/8"	EM-562 ACCUMULATION EM-561 / EM-563 FIXE SIMPLE Z12 - 3/8"	EM-562 ACUMULAÇÃO EM-561 / EM-563 FIXO SIMPLES Z12 - 3/8"
	20 daN/Head	20 daN/Embout	20 daN/Cabeça
	INNER CURVE RADIUS = 500 mm	COURBES Ri = 500 mm	CURVAS Ri = 500 mm

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)	
			Ø (mm)	ST	STI	N	8	10
EM-564 CON EM-565 CON EM-566 CON		56*-250	30x1.5	✓	✓	✓	✓	✓

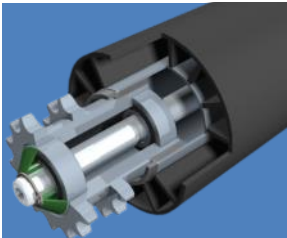
	EM-564/EM-565 PRESSED STEEL HEAD EM-566 WELDED STEEL HEAD	EM-564/EM-565 EMBOUT MÉTALLIQUE EMMANCHÉ EM-566 EMBOUT MÉTALLIQUE SOUDÉ	EM-564/565 CABEÇA METÁLICA EMBUTIDA EM-566 CABEÇA METÁLICA SOLDADA
	EM-565 ACCUMULATION EM-564 / EM-566 FIXED DOUBLE Z12 - 3/8"	EM-565 ACCUMULATION EM-564 / EM-566 FIXE DOUBLE Z12 - 3/8"	EM-565 ACUMULAÇÃO EM-564 / EM-566 FIXO DUPLA Z12 - 3/8"
	20 daN/Head	20 daN/Embout	20 daN/Cabeça
	INNER CURVE RADIUS = 500 mm	COURBES Ri = 500 mm	CURVAS Ri = 500 mm



CONICAL DRIVEN ROLLERS ROULEAUX COMMANDÉS CONIQUES ROLOS TRACÇIONADOS CÔNICOS

SERIES SÉRIE MODELO			TUBE / TUBE / TUBO						SHAFT / AXE / EIXO (mm)	
			Ø (mm)	ST	STI	N	ALU	GAL	12	14
EM-553 EM-554 EM-555		55*-101	50x1.5	✓	✓	✓	✓	✓	✓	
		55*-103		✓	✓	✓	✓	✓	✓	
		55*-230		✓	✓	✓	✓	✓	✓	
		55*-310		✓	✓	✓	✓	✓	✓	✓

	EM-553/EM-554 PRESSED STEEL HEAD EM-555 WELDED STEEL HEAD	EM-553/EM-554 EMBOUT MÉTALLIQUE EMMANCHÉ EM-555 EMBOUT MÉTALLIQUE SOUDÉ	EM-553/554 CABEÇA METÁLICA EMBUTIDA EM-555 CABEÇA METÁLICA SOLDADA
	EM-553 ACCUMULATION EM-554 / EM-555 FIXED SINGLE Z14 - 1/2"	EM-553 ACCUMULATION EM-554 / EM-555 FIXE SIMPLE Z14 - 1/2"	EM-553 ACUMULAÇÃO EM-554 / EM-555 FIXO SIMPLES Z14 - 1/2"
	ACCORDING TO TYPE	SELON LE TYPE	POR TIPO
	INNER CURVE RADIUS = 800 mm	COURBES Ri = 800 mm	CURVAS Ri = 800 mm

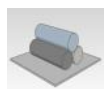
SERIES SÉRIE MODELO			TUBE / TUBE / TUBO						SHAFT / AXE / EIXO (mm)		
			Ø (mm)	ST	STI	N	ALU	GAL	12	14	15
EM-550 EM-551 EM-552		55*-101	50x1.5	✓	✓	✓	✓	✓	✓		
		55*-103		✓	✓	✓	✓	✓	✓		
		55*-230		✓	✓	✓	✓	✓	✓		✓
		55*-310		✓	✓	✓	✓	✓	✓	✓	✓

	EM-550/EM-551 PRESSED STEEL HEAD EM-552 WELDED STEEL HEAD	EM-550/EM-551 EMBOUT MÉTALLIQUE EMMANCHÉ EM-552 EMBOUT MÉTALLIQUE SOUDÉ	EM-550/551 CABEÇA METÁLICA EMBUTIDA EM-552 CABEÇA METÁLICA SOLDADA
	EM-550/EM-552 ACCUMULATION EM-551 FIXED DOUBLE Z14 - 1/2"	EM-550/EM-552 ACCUMULATION EM-551 FIXE DOUBLE Z14 - 1/2"	EM-550/EM-552 ACUMULAÇÃO EM-551 FIXO DUPLA Z14 - 1/2"
	ACCORDING TO TYPE	SELON LE TYPE	POR TIPO
	INNER CURVE RADIUS = 800 mm	COURBES Ri = 800 mm	CURVAS Ri = 800 mm



SPECIAL ROLLERS
ROULEAUX SPÉCIAUX
ROLOS ESPECIAIS

SERIES SÉRIE MODELO		TUBE TUBE TUBO	JACKET GAINE PROFUNDIDADE			
		Ø (mm)	Ø int. (mm)	Ø ext. (mm)	COLOUR COULEUR COR	THICKNESS ÉPAISSEUR (mm) ESPESSURA
JACKETED PVC GAINÉ REVESTIDO		30	30	34	BLACK	2
		40	40	44	BLACK	2
			40	50	GREY	5
		50	50	54	BLACK GREY	2
			50	60	GREY	5
		60	60	64	GREY	2
			60	70	GREY	5
		80	80	84	GREY	2

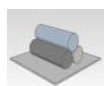


FLEXIBLE PVC
PVC FLEXIBLE
PVC FLEXÍVEL



CONSULT ETS FOR OTHER MATERIALS AND SPECIFICATIONS
POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS
OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS

SERIES SÉRIE MODELO		TUBE TUBE TUBO	JACKET GAINE PROFUNDIDADE			
		Ø (mm)	Ø int. (mm)	Ø ext. (mm)	THICKNESS ÉPAISSEUR (mm) ESPESSURA	COLOUR COULEUR COR
VULCANIZED RUBBER VULCANISÉ VULCANIZADO		ALL TOUS TODAS	ALL TOUS TODAS	ALL TOUS TODAS	ALL TOUS TODAS	BLACK NOIR PRETO



NATURAL RECTIFIED RUBBER
CAOUTCHOUC NATUREL RECTIFIÉ
BORRACHA NATURAL RECTIFICADA



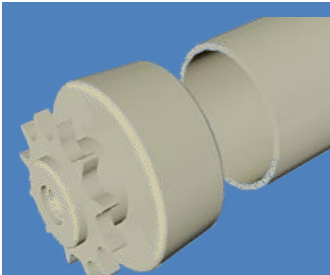
CONSULT ETS FOR OTHER MATERIALS AND SPECIFICATIONS
POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS
OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS

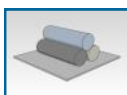


ROLLER FOR FRUITS AND VEGETABLES

ROULEAUX HORTICOLES

ROLOS HORTOFRUTICOLAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO	SHAFT / AXE / EIXO (mm)		
		Ø (mm)	8	10	12
DRIVEN ROLLER COMMANDÉS MOTORIZADO		55	✓	✓	✓
		 FOR OTHER MATERIALS AND SPECIFICATIONS CONSULT ETS POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS			



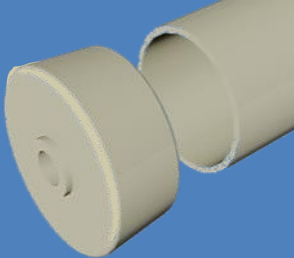
POLYPROPYLENE HEAD
POLYPROPYLENE TUBE

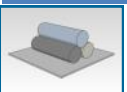
EMBOUTS PVC
TUBE PVC

CABEÇA DE PVC
TUBO DE PVC

Z12- 1/2"



SERIES SÉRIE MODELO		TUBE / TUBE / TUBO	SHAFT / AXE / EIXO (mm)		
		Ø (mm)	8	10	12
GRAVITY ROLLER GRAVITAIRES GRAVIDADE		55	✓	✓	✓
		 FOR OTHER MATERIALS AND SPECIFICATIONS CONSULT ETS POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS			

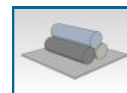


POLYPROPYLENE HEAD
POLYPROPYLENE TUBE

EMBOUTS PVC
TUBE PVC

CABEÇA DE PVC
TUBO DE PVC

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO	COVERING / GAINE / PROFUNDIDADE			
		Ø (mm)	Ø int. (mm)	Ø ext . (mm)	ESPESOR (mm)	COLOR
DRIVEN ROLLER COMMANDÉS MOTORIZADO		30	30	55	12.5	BLACK NOIR FRETO
		 FOR OTHER MATERIALS AND SPECIFICATIONS CONSULT ETS POUR AUTRES MATÉRIAUX ET SPÉCIFICATIONS, CONSULTER ETS OUTROS MATERIAIS E ESPECIFICAÇÕES, CONSULTE A ETS				



POLYPROPYLENE HEAD
ZINC-PLATED STEEL TUBE
RUBBER COVERING

EMBOUTS PVC
TUBE ZINGUÉ OU INOX
REVÊTEMENT CAOUTCHOUC

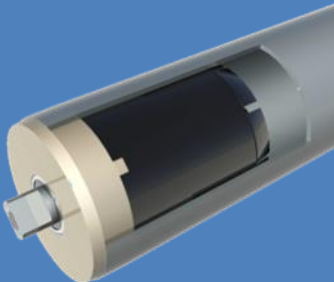
CABEÇA DE PVC
TUBO ZINCADO OU INOX
RECOBRIMENTO DE BORRACHA

Z12- 1/2"

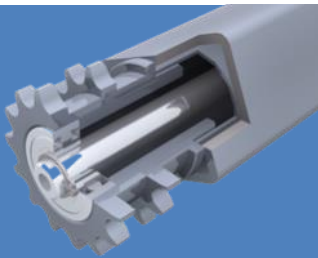




SPECIAL ROLLERS
ROULEAUX SPÉCIAUX
ROLOS ESPECIAIS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO					SHAFT / AXE / EIXO (mm)		
		Ø (mm)	ST	STI	N	GAL	Ø9	Ø17	Ø20
EM-260-FR		50 x 2	✓	✓			✓		
		80 x 2	✓	✓	✓	✓		✓	
		89 x 3	✓	✓	✓				✓

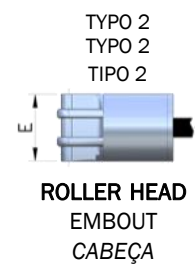
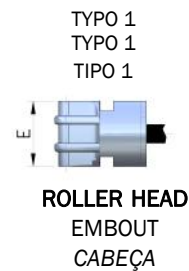
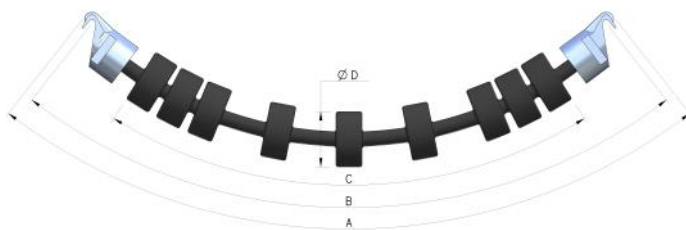
	Ø50- FROM 5 TO 50 KG	Ø50 CHARGE DE 5 À 50 KG	Ø50 CARGA 5 A 50 KG
	Ø80- FROM 80 TO 1300 KG	Ø80 CHARGE DE 80 À 1300 KG	Ø80 CARGA 80 A 1300 KG
	Ø89- SPECIFY LOAD: 200,500, 800 OR 1200 KG	Ø89 CHARGE À SPÉCIFIER 200,500, 800 ET 1200 KG	Ø89 ESPECIFIQUE CARGA 200,500,800 1200KG
	ROLLER STOP	ROULEAU FREIN	CONTROLE ROLO

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO				SHAFT / AXE / EIXO (mm)	
			ST	STI	N	12	15
EM-502-CUA EM-508-CUA		Ø40X1.5	✓	✓	✓	✓	✓
		#50X50					
		Ø50X1.5	✓	✓	✓	✓	✓
		#60X60					

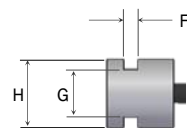
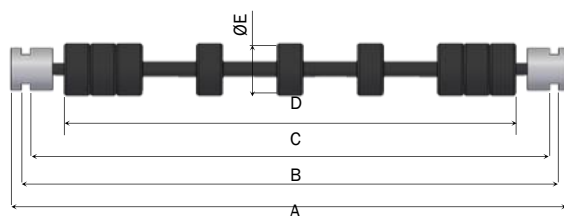
	SQUARE ROLLER WELDED STEEL HEAD	ROULEAU CARRÉ EMBOUT MÉTALLIQUE SOUDÉ	ROLO QUADRADO CABEÇA METÁLICA SOLDADA
	EM-502-CUA DOUBLE Z14 - 1/2" EM-508-CUA SIMPLE Z14 - 1/2" 100 daN/Head	EM-502-CUA DOUBLE Z14 - 1/2" EM-508-CUA SIMPLE Z14 - 1/2" 100 daN/Embout	EM-502-CUA DUPLA Z14 - 1/2" EM-508-CUA SIMPLE Z14 - 1/2" 100 daN/Cabeça



FLEXIBLE ROLLERS FRAMES **SUPPORTS POUR ROULEAUX FLEXIBLES** **ESTAÇÕES PARA ROLOS FLEXÍVEIS**



BELT WIDTH LARGEUR DE BANDE LARGURA DE BANDA	ROLLERS / ROULEAUX / ROLOS							
	A	B	C	D	E	Nº DISCS Nº DISQUES Nº DISCOS	TYPE TYPE TIPO	WEIGHT POIDS (kg) PESO
400	704	672	483	76	57	7	1	3.5
500	798	766	565	76	57	9	1	4.0
600	906	874	668	76	57	10	1	4.2
650	959	927	732	76	57	11	1	4.5
700	1.003	971	760	76	57	11	1	4.6
750	1.055	1.023	826	76	57	13	1	4.7
800	1.102	1.070	900	76	57	13	1	5.0
900	1.219	1.187	990	76	57	15	1	5.6
1000	1.400	1.362	1.117	92	62	17	2	9.5
1200	1.554	1.520	1.298	92	62	19	2	10.3
1400	1.718	1.684	1.434	92	62	21	2	11.0



TYPO 1
 TYPO 1
 TIPO 1

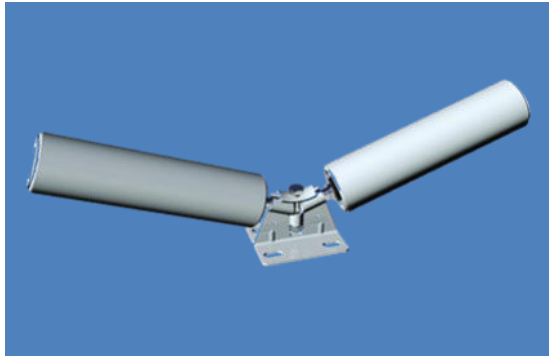
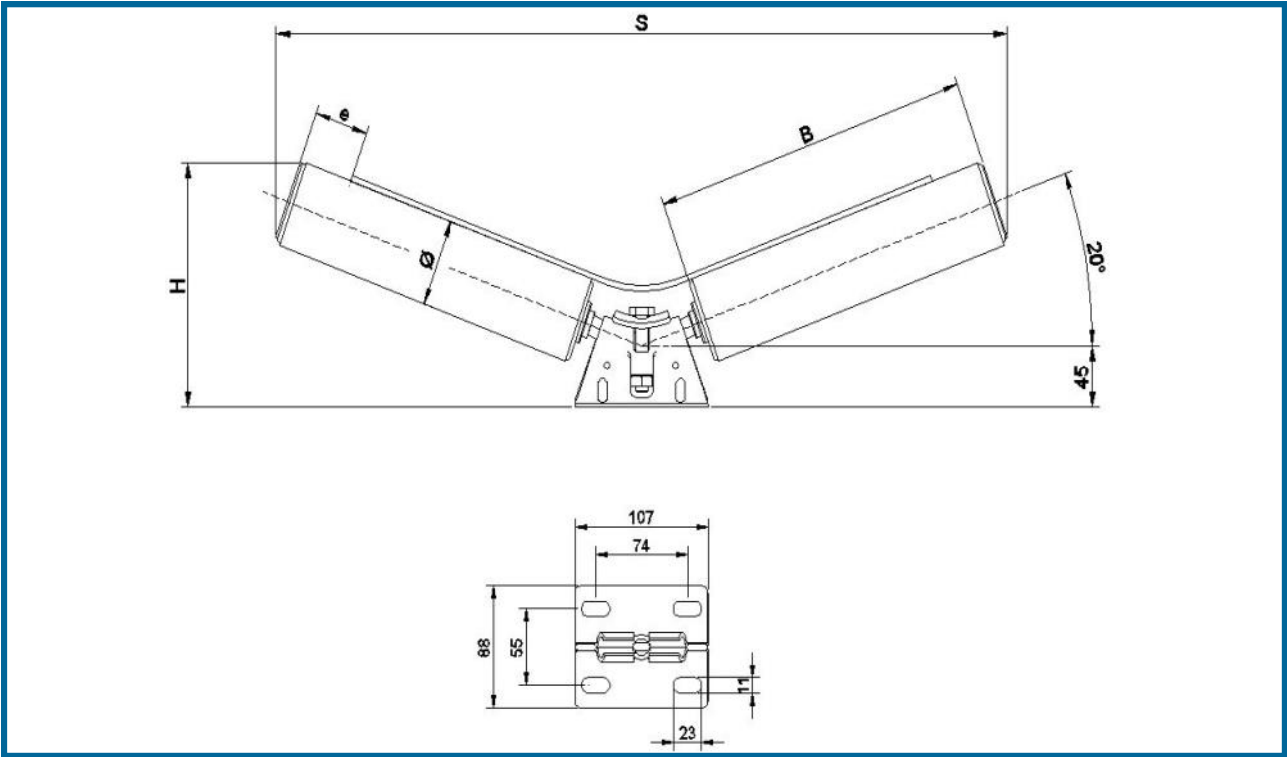
ROLLER HEAD
EMBOUT
CABEÇA

BELT WIDTH LARGEUR DE BANDE LARGURA DE BANDA	ROLLERS / ROULEAUX / ROLOS								
	A	B	C	D	ØE	F	G	H	Nº DISCS Nº DISQUES Nº DISCOS
400	559	539	515	441	76	12	30	57	6
500	659	639	615	531	76	12	30	57	8
600	759	739	715	631	76	12	30	57	9
650	808	788	764	681	76	12	30	57	9
800	959	939	915	835	76	12	30	57	10
900	1059	1039	1015	935	76	12	30	57	12
1000	1265	1250	1220	1030	90	14	40	65	13
1200	1.465	1450	1420	1230	90	14	40	65	14

TYPE	TYPE	TIPO
TYPE 1 — 1 BEARING ROLLER HEAD.	TYPE 1 — EMBOUT À 1 ROULEMENT.	TIPO 1 — CABEÇA COM 1 ROLAMENTO.
TYPE 2 — 2 BEARINGS ROLLER HEAD.	TYPE 2 — EMBOUT À 2 ROULEMENTS.	TIPO 2 — CABEÇA COM 2 ROLAMENTOS.



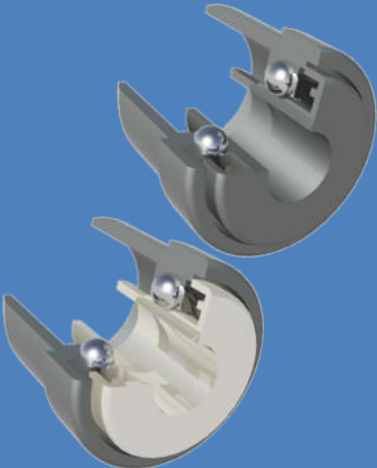
ROLLERS SUPPORTS
SUPPORTS POUR ROULEAUX
APOIO PARA ROLOS

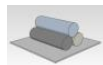


ROLLERS ROULEAUX ROLOS		SUPPORTS SUPPORTS APOIO				
Ø (mm)	SHAFT AXE (mm) EIXO	WIDTH LARGEUR LARGURA	B	H	S	e
60	15	300	160	140	410	45
60	15	400	210	160	502	45
60	15	450	240	170	560	50
60	15	500	270	180	615	55
60	15	600	320	200	710	55
76	15	300	160	150	420	45
76	15	400	210	165	514	45
76	15	450	240	175	570	50
76	15	500	270	190	625	55
76	15	600	320	205	720	55



THERMOPLASTIC ROLLER HEADS EMBOUTS THERMOPLASTIQUES CABEÇAS TERMOPLÁSTICAS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD/CHARGE/CARGA (daN)
EM-5I EM-50		12x1	4	4
		16x1	5 – 6	4
		20x1	6 – 8	5
		20x1.5	6 – 8	5
		30x1.5	6 – 8 – 10	7
		30x1.8	6 – 8 – 10	7
		40x1.5	6 – 8 – 10	7
		40x2.3	6 – 8 – 10	7
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)		



POLYPROPYLENE
AISI-303 (FOR Ø12 TUBE)

POLYPROPYLÈNE
AISI-303 (POUR TUBE Ø12)

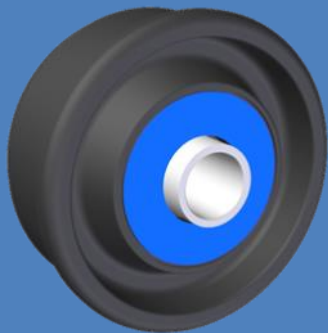
POLIPROPILENO
CABEÇA AISI-303 (PARA TUBO Ø12)

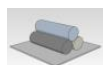


SINGLE ROW BALL BEARINGS
- EM-50 CARBON STEEL
- EM-51 AISI-420 STAINLESS STEEL

UNE RANGÉE DE BILLES
- EM-50 ACIER AU CARBONE
- EM-51 ACIER INOX. AISI-420

UMA CARREIRA DE ESFERAS
- EM-50 AÇO DE CARBONO
- EM-51 AÇO INOX. AISI-420

SERIES / SÉRIE/ MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD /CHARGE / CARGA (daN)
EM-I03 EM-I01		50x1.5 	8 – 10 – 12 – SW11	12
		50x2.8	8 – 10 – 12 – SW11	12
		60x1.5	8 – 10 – 12 – SW11	12
		60x2	8 – 10 – 12 – SW11	12
		63x3	8 – 10 – 12 – SW11	12
		80x2	8 – 10 – 12 – SW11	12
		 SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)		



POLYPROPYLENE

POLYPROPYLÈNE

POLIPROPILENO



DOUBLE ROW BALL BEARINGS
- EM-101 CARBON STEEL
- EM-103 AISI-420 STAINLESS STEEL

DOUBLE RANGÉE DE BILLES
- EM-101 ACIER AU CARBONE
- EM-103 ACIER INOX. AISI-420

DUAS CARREIRA DE ESFERAS
- EM-101 AÇO DE CARBONO
- EM-103 AÇO INOX. AISI-420

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD / CHARGE / CARGA (daN)
EM-250		30x1.5	8 – 10 – 12 – 15	80
		40x1.5	8 – 10 – 12 – 15	80



NYLON

NYLON

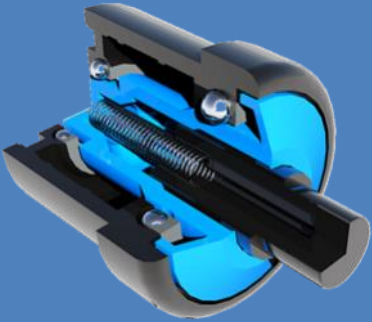
NYLON

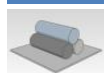


DIN625 6204-2RS1



THERMOPLASTIC ROLLER HEADS EMBOUTS THERMOPLASTIQUES CABEÇAS TERMOPLÁSTICAS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD / CHARGE / CARGA (daN)
EM-50 CS EM-51 CS		20x1.5	6	8
		30x1.8	8	10
		40x2.3	8	10



POLYPROPYLENE

POLYPROPYLÈNE

POLIPROPILENO



SINGLE ROW BALL BEARINGS

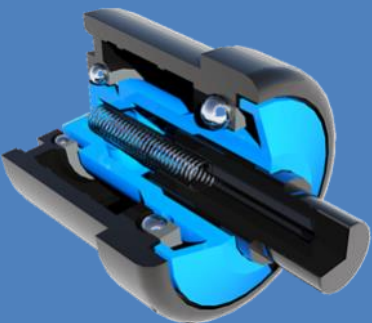
- EM-50-CS CARBON STEEL
- EM-51-CS AISI-316 STAINLESS STEEL

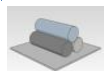
UNE RANGÉE DE BILLES

- EM-50-CS ACIER AU CARBONE
- EM-51-CS ACIER INOX. AISI-316

UMA CARREIRA DE ESFERAS

- EM-50-CS AÇO DE CARBONO
- EM-51-CS AÇO INOX. AISI-

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD / CHARGE / CARGA (daN)
EM-101 CS EM-103 CS		50x2.8	10	15



POLYPROPYLENE

POLYPROPYLÈNE

POLIPROPILENO



SINGLE ROW BALL BEARINGS

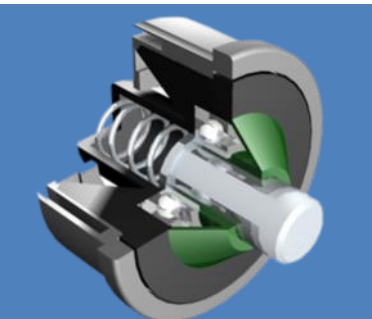
- EM-101 CS CARBON STEEL
- EM-103 STEEL

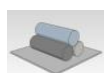
UNE RANGÉE DE BILLES

- EM-101- CS ACIER AU CARBONE
- EM-103 -CS ACIER INOX. AISI-316

UMA CARREIRA DE ESFERAS

- EM-101-CS AÇO DE CARBONO
- EM-103-CS AÇO INOX. AISI-

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD / CHARGE / CARGA (daN)
EM-350		50x1.5	12	50
		60x1.5	12	50
		60x2	12	50
		80x2	12	50



POLYPROPYLENE

POLYPROPYLÈNE

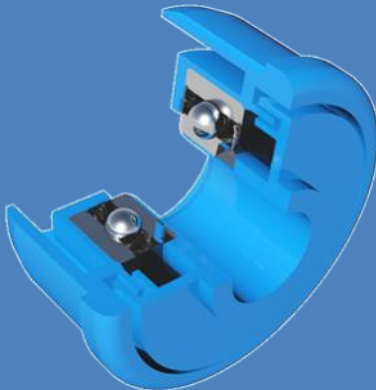
POLIPROPILENO

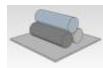


DIN625 6002-2RS1



THERMOPLASTIC ROLLER HEADS EMBOUS THERMOPLASTIQUES CABEÇAS TERMOPLÁSTICAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-310 / EM-310-AN		40x1.5 	10 – 12 – SW11	80
		50x1.5 	10 – 12 – 14 – 15 – SW11 (M8)	120
		50x2.8 	10 – 12 – 14 – 15 – SW11	120
		60x1.5 	10 – 12 – 14 – 15 – 17 – 20 – SW11 (M8)	120
		60x2 	10 – 12 – 14 – 15 – 17 – 20 – SW11	120
		63x3 	10 – 12 – 14 – 15 – 17 – 20 – SW11	120
		80x2	10 – 12 – 14 – 15 – 17 – 20 – SW11	120
				SIZES AVAILABLE IN ANTI-STATIC VERSION (AN) TAILLES DISPONIBLES EN VERSION ANTISTATIQUE (AN) TAMANHOS DISPONÍVEIS EM VERSÃO ANTI-ESTÁTICA (AN)



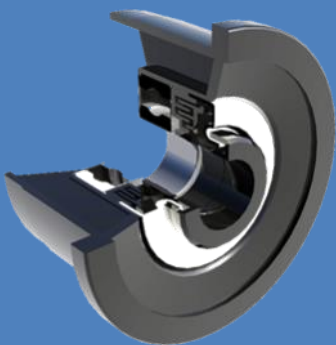
POLYPROPYLENE

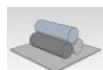
POLYPROPYLÈNE

POLIPROPILENO



DIN625 6202-2RS1

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)		LOAD CHARGE (daN) CARGA
EM-330		89 x 3	17	20	200
		90 x 7	17	20	200
		108 x 3	17	20	200



POLYPROPYLENE

POLYPROPYLÈNE

POLIPROPILENO

THERMOPLASTIC LABYRINTH

LABYRINTHE POLYPROPYLÈNE

LABIRINTO POLIPROPILENO



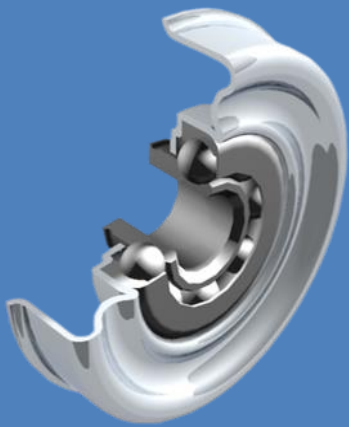
PRECISION BEARING
DIN625 6204-2RS1

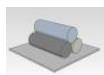
ROULEMENT DE PRÉCISION

ROLAMENTO PRECISÃO



PRESSED ROLLER HEADS
EMBOUTS MÉTALLIQUES EMMANCHÉS
CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-230		18x1	6	12
		30x1.2	8 – 10	30
		30x1.5	8 – 10 – 12	30
		40x1.5	8 – 10 – 12 – SW11	80
		40x2	8 – 10 – 12 – SW11	80
		50x1.5	8 – 10 – 12 – SW11	80
		50x2	8 – 10 – 12 – SW11	80
		60x1.5	8–10–12–17–SW11	80
		60x2	8–10–12–17–SW11	80
		80x2	8–10–12–20 SW11	80



BEARING HOUSING: ZINC-PLATED AP-02 STEEL
BUSHING: TEMPERED STEEL

CUVETTE : ACIER AP-02 ZINGUÉ
DOUILLE : ACIER TREMPÉ

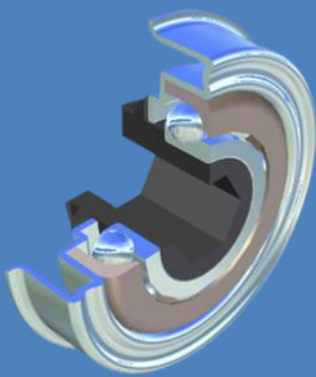
CÁPULA : AÇO AP-02 ZINCADO
CASQUILHO : AÇO TEMPERADO

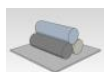


STAMPED BEARING

ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-240		50x1.5	10 – 12 – 14 – 15 – SW11	120
		50x2	10 – 12 – 14 – 15 – SW11	120
		50x3	10 – 12 – 14 – 15 – SW11	120
		60x1.5	10 – 12 – 14 – 15 – SW11	120
		60x2	10 – 12 – 14 – 15 – SW11	120
		80x2	10 – 12 – 14 – 15	120



BEARING HOUSING: ZINC-PLATED AP-02 STEEL
BUSHING: POLYPROPYLENE

CUVETTE : ACIER AP-02 ZINGUÉ
DOUILLE : POLYPROPYLENE

CÁPULA : AÇO AP-02 ZINCADO
CASQUILHO : POLIPROPILENO



STAMPED BEARING

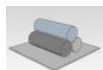
ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO



PRESSED ROLLER HEADS
EMBOUTS MÉTALLIQUES EMMANCHÉS
CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-240-K2		50x1.5	10 – 12 – 14 – 15 – SW11	120
		50x2	10 – 12 – 14 – 15 – SW11	120
		60x1.5	10 – 12 – 14 – 15 – SW11	120
		60x2	10 – 12 – 14 – 15 – SW11	120
		80x2	10 – 12 – 14 – 15	120



BEARING HOUSING: ZINC-PLATED AP-02 STEEL
BUSHING : TEMPERED STEEL

CUVETTE : ACIER AP-02 ZINGUÉ
DOUILLE : ACIER TREMPÉ

CÁPSULA : AÇO AP-02 ZINCADO
CASQUILHO : AÇO TEMPERADO

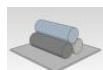


STAMPED BEARING

ROULEMENT ESTAMPÉ

ROLAMENTO ESTAMPADO

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-260-CS		50x1.5	A15 / PL12x8 / RIM8x15	100
		60x2	A15 / PL12x8 / RIM8x15	100
		80x2	A20 / PL14x10 / RIM8x15	170
		89x3	A20 / PL14x10 / RIM8x15	170



BEARING HOUSING: ZINC-PLATED AP-02 STEEL

CUVETTE : ACIER AP-02 ZINGUÉ

CÁPSULA : AÇO AP-02 ZINCADO



DIN625 6202-2RS1 (TUBE Ø50 AND Ø60)

DIN625 6202-2RS1 (TUBE Ø50 ET Ø60)

DIN625 6202-2RS1 (TUBO Ø50 E Ø60)

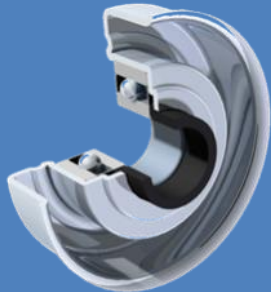
DIN625 6204-2RS1 (TUBE Ø80 AND Ø89)

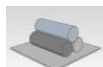
DIN625 6204-2RS1 (TUBE Ø80 ET Ø89)

DIN625 6204-2RS1 (TUBO Ø80 E Ø89)



PRESSED ROLLER HEADS
EMBOUTS MÉTALLIQUES EMMANCHÉS
CABEÇAS METÁLICAS EMBUTIDAS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-260-K1		50x1.5	10 – 12 – 15 – 17 – SW11	120
		50x2	10 – 12 – 15 – SW11	120
		60x1.5	10 – 12 – 15 – SW11	150
		60x2	10 – 12 – 15 – SW11	150
		60x3	10 – 12 – 15 – SW11	150
		70x2	15 – 17	150
		70x3	15 – 17	150
		80x2	10 – 12 – 15 – 17 – SW11	150



BEARING HOUSING: ZINC-PLATED AP-02 STEEL
BUSHING : POLYPROPYLENE

CUVETTE : ACIER AP-02 ZINGUÉ
DOUILLE : POLYPROPYLÈNE

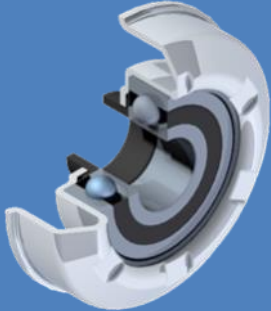
CÁPSULA : AÇO AP-02 ZINCADO
CASQUILHO : POLIPROPILENO

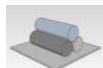


DIN625 6003-2RS1 (FOR Ø17 SHAFT)
DIN625 6202-2RS1 (FOR THE REST)

DIN625 6003-2RS1 (POUR AXE Ø17)
DIN625 6202-2RS1 (POUR LE RESTE)

DIN625 6003-2RS1 (PARA EIXO Ø17)
DIN625 6202-2RS1 (PARA O RESTO)

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-260-K2		63.5x2.9	20	200
		80x2	16 – 17 – 20 – SW14	250
		80x3	16 – 17 – 20 – SW14	250
		89x3	16 – 17 – 20 – 25 – SW14	250
		89x3.25	16 – 17 – 20 – SW14	250
		108x3.25	16 – 17 – 20 – 25 – SW14	250



BEARING HOUSING: ZINC-PLATED AP-02 STEEL
BUSHING : POLYPROPYLENE

CUVETTE : ACIER AP-02 ZINGUÉ
DOUILLE : POLYPROPYLÈNE

CÁPSULA : AÇO AP-02 ZINCADO
CASQUILHO : POLIPROPILENO



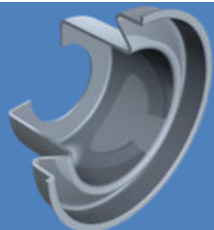
DIN625 6004-2RS1 (TUBE Ø63.5)
DIN625 6205-2RS1 (TUBE Ø89 AND Ø108)
DIN625 6204-2RS1 (ALL EXCEPT Ø63.5)

DIN625 6004-2RS1 (TUBE Ø63.5)
DIN625 6205-2RS1 (TUBE Ø89 ET Ø108)
DIN625 6204-2RS1 (TOUS SAUF Ø63.5)

DIN625 6004-2RS1 (TUBO Ø63.5)
DIN625 6205-2RS1 (TUBO Ø89 E Ø108)
DIN625 6204-2RS1 (TODOS, EXCEPTO Ø63.5)



WELDED STEEL BEARING HOUSINGS **BOITIERS MÉTALLIQUES SOUDÉS** **CÁPSULAS METÁLICAS SOLDADAS**

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	THICKNESS ÉPAISSEUR (mm) ESPESSURA
EMS		60x2	20	1.5
		76x2	20	1.5



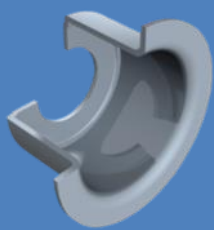
LIGHT AND MEDIUM DUTY MINING

INDUSTRIE MINIÈRE SEMI-LOURDE

ACTIVIDADE MINEIRA SEMI-PESADA



DIN625 6204-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	THICKNESS ÉPAISSEUR (mm) ESPESSURA
EMP-KI		60x3	20	2
		70x2	20	2
		70x2.9	20	2
		76x2	20	2
		76x2.9	20	2



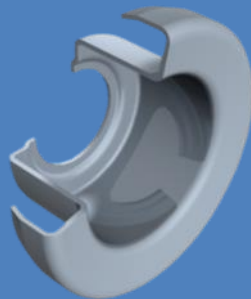
HEAVY DUTY MINING

INDUSTRIE MINIÈRE LOURDE

ACTIVIDADE MINEIRA PESADA



DIN 625 6204-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	THICKNESS ÉPAISSEUR (mm) ESPESSURA
EMP-K2		63x3	20	1.5
		80x2	20	2
		80x3	20	2
		89x3	20 – 25	1.5 – 2
		101.6x3	20 – 25	2
		108x3	20 – 25 – 30	2
		108x3.6	20 – 25 – 30	2 – 3
		127x4	25	4
		133x4	20 – 25 – 30 – 40	2.5 – 3.5 – 4
		159x4.5	25 – 30 – 40	2.5 – 4



HEAVY DUTY MINING

INDUSTRIE MINIÈRE LOURDE

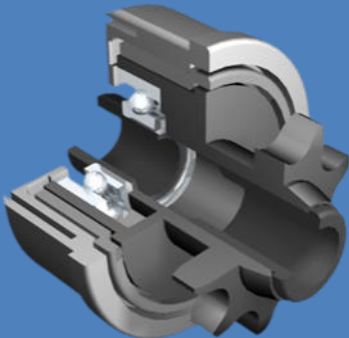
ACTIVIDADE MINEIRA PESADA

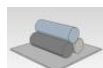


DIN625 6204-2RS1 (Ø20)
DIN625 6305-2RS1 (Ø25)
DIN625 6306-2RS1 (Ø30)
DIN625 6308-2RS1 (Ø40)



THERMOPLASTIC SPROCKETS PIGNONS THERMOPLASTIQUES CARRETOS TERMOPLÁSTICOS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-440 EM-441		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



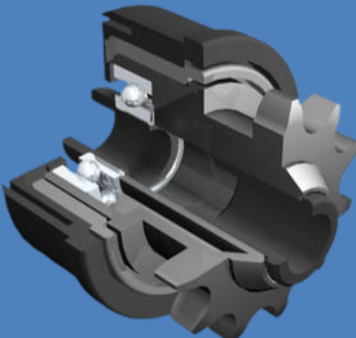
EM-440: ACCUMULATION
EM-441: FIXED
SINGLE Z9 - 1/2"

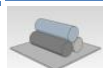
EM-440: ACCUMULATION
EM-441: FIXE
SIMPLE Z9 - 1/2"

EM-440: ACUMULAÇÃO
EM-441: FIXO
SIMPLES Z9 - 1/2"



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-450 EM-451		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



EM-450: ACCUMULATION
EM-451: FIXED
SINGLE Z11 - 1/2"

EM-450: ACCUMULATION
EM-451: FIXE
SIMPLE Z11 - 1/2"

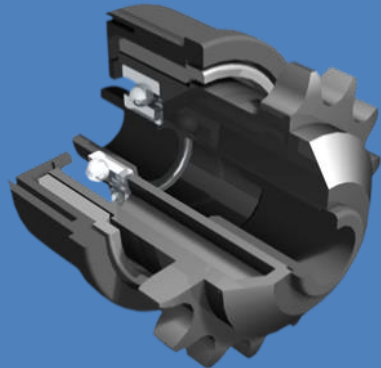
EM-450: ACUMULAÇÃO
EM-451: FIXO
SIMPLES Z11 - 1/2"

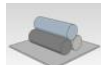


DIN625 6202-2RS1



THERMOPLASTIC SPROCKETS PIGNONS THERMOPLASTIQUES CARRETOS TERMOPLÁSTICOS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-470 EM-471		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



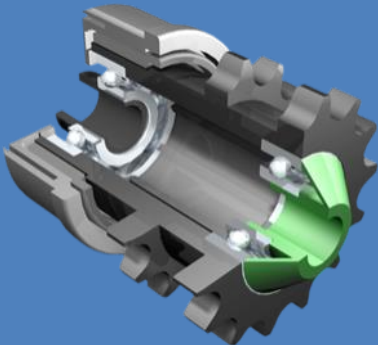
EM-470: ACCUMULATION
EM-471: FIXED
SINGLE Z14 - 1/2"

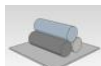
EM-470: ACCUMULATION
EM-471: FIXE
SIMPLE Z14 - 1/2"

EM-470: ACUMULAÇÃO
EM-471: FIXO
SIMPLES Z14 - 1/2"



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-480 EM-481		50x1.5	12 – 14 – 15	40
		50x2.8	12 – 14 – 15	40
		60x1.5	12 – 14 – 15	40
		60x2	12 – 14 – 15	40
		63x3	12 – 14 – 15	40
		80x2	12 – 14 – 15	40
		NOTE: SHAFT Ø15MM WITHOUT REDUCING BUSHING NOTE : AXE Ø15 SANS DOUILLE RÉDUCTRICE NOTA: EIXO Ø15 SEM CASQUILHO REDUTOR		



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



EM-480: ACCUMULATION
EM-481: FIXED
DOUBLE Z14 - 1/2"

EM-480: ACCUMULATION
EM-481: FIXE
DOUBLE Z14 - 1/2"

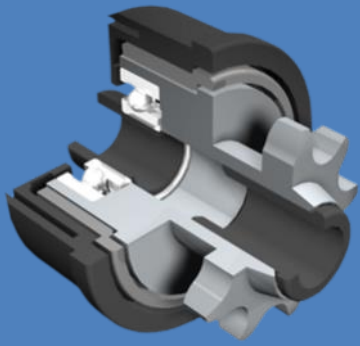
EM-480: ACUMULAÇÃO
EM-481: FIXO
DUPLO Z14 - 1/2"

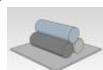


DIN625 6202-2RS1



PRESSED STEEL SPROCKETS **PIGNONS MÉTALLIQUES EMMANCHÉS** **CARRETOS METÁLICOS EMBUTIDOS**

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-444 EM-445		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



F-114 STEEL

ACIER F-114

AÇO F-114



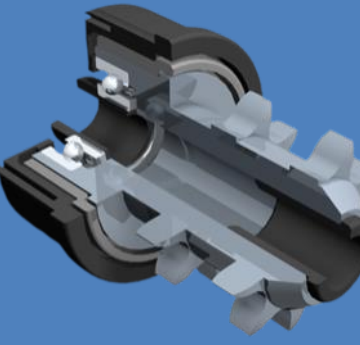
EM-444: ACCUMULATION
EM-445: FIXED
SINGLE Z9 - 1/2"

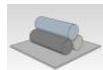
EM-444: ACCUMULATION
EM-445: FIXE
SIMPLE Z9 - 1/2"

EM-444: ACUMULAÇÃO
EM-445: FIXO
SIMPLES Z9 - 1/2"



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-464 EM-465		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



F-114 STEEL

ACIER F-114

AÇO F-114



EM-464: ACCUMULATION
EM-465: FIXED
DOUBLE Z9 - 1/2"

EM-464: ACCUMULATION
EM-465: FIXE
DOUBLE Z9 - 1/2"

EM-464: ACUMULAÇÃO
EM-465: FIXO
DUPLO Z9 - 1/2"

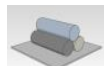


DIN625 6202-2RS1



PRESSED STEEL SPROCKETS
PIGNONS MÉTALLIQUES EMMANCHÉS
CARRETOS METÁLICOS EMBUTIDOS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-454 EM-455		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



F-114 STEEL

ACIER F-114

AÇO F-114



EM-454: ACCUMULATION
EM-455: FIXED
SINGLE Z11 - 1/2"

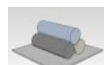
EM-454: ACCUMULATION
 EM-455: FIXE
 SIMPLE Z11 - 1/2"

EM-454: ACUMULAÇÃO
 EM-455: FIXO
 SIMPLES Z11 - 1/2"



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-460 EM-461		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



F-114 STEEL

ACIER F-114

AÇO F-114



EM-460: ACCUMULATION
EM-461: FIXED
DOUBLE Z11 - 1/2"

EM-460: ACCUMULATION
 EM-461: FIXE
 DOUBLE Z11 - 1/2"

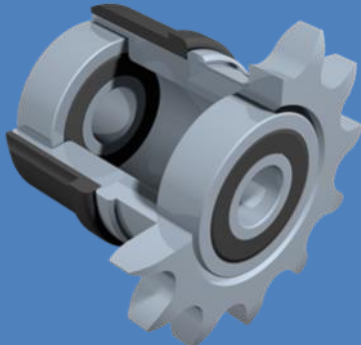
EM-460: ACUMULAÇÃO
 EM-461: FIXO
 DUPLO Z11 - 1/2"

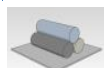


DIN625 6202-2RS1



PRESSED STEEL SPROCKETS
PIGNONS MÉTALLIQUES EMMANCHÉS
CARRETOS METÁLICOS EMBUTIDOS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-520 EM-521		30x1.5	8 – 10	20



F-114 STEEL

ACIER F-114

AÇO F-114



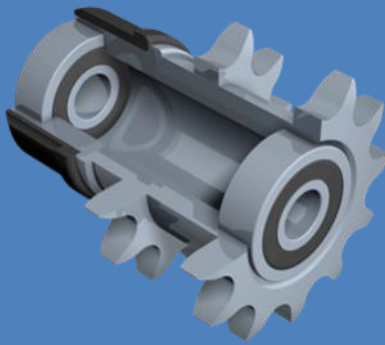
EM-520: FIXED
EM-521: ACCUMULATION
SINGLE Z12 - 3/8"

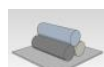
EM-520: FIXE
EM-521: ACCUMULATION
SIMPLE Z12 - 3/8"

EM-520: FIXO
EM-521: ACUMULAÇÃO
SIMPLES Z12 - 3/8"



DIN625 61900-2RS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-523 EM-524		30x1.5	8 – 10	20



F-114 STEEL

ACIER F-114

AÇO F-114



EM-523: FIXED
EM-524: ACCUMULATION
DOUBLE Z12 - 3/8"

EM-523: FIXE
EM-524: ACCUMULATION
DOUBLE Z12 - 3/8"

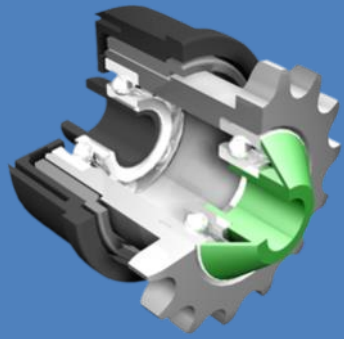
EM-523: FIXO
EM-524: ACUMULAÇÃO
DUPLO Z12 - 3/8"

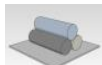


DIN625 61900-2RS



PRESSED STEEL SPROCKETS **PIGNONS MÉTALLIQUES EMMANCHÉS** **CARRETOS METÁLICOS EMBUTIDOS**

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-506 EM-507		50x1.5	12 – 14 – 15	40
		50x2.8	12 – 14 – 15	40
		60x1.5	12 – 14 – 15	40
		60x2	12 – 14 – 15	40
		63x3	12 – 14 – 15	40
		80x2	12 – 14 – 15	40
		NOTE: SHAFT Ø15MM WITHOUT REDUCING BUSHING NOTE : AXE Ø15 SANS DOUILLE RÉDUCTRICE NOTA: EIXO Ø15 SEM CASQUILHO REDUTOR		



F-114 STEEL

ACIER F-114

AÇO F-114



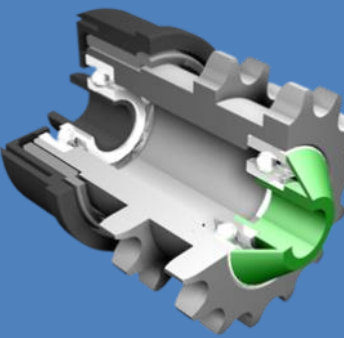
EM-506: ACCUMULATION
EM-507: FIXED
SINGLE Z14 - 1/2"

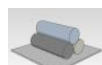
EM-506: ACCUMULATION
 EM-507: FIXE
 SIMPLE Z14 - 1/2"

EM-506: ACUMULAÇÃO
 EM-507: FIXO
 SIMPLES Z14 - 1/2"



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-500 EM-501		50x1.5	12 – 14 – 15	40
		50x2.8	12 – 14 – 15	40
		60x1.5	12 – 14 – 15	40
		60x2	12 – 14 – 15	40
		63x3	12 – 14 – 15	40
		80x2	12 – 14 – 15	40
		NOTE: SHAFT Ø15MM WITHOUT REDUCING BUSHING NOTE : AXE Ø15 SANS DOUILLE RÉDUCTRICE NOTA: EIXO Ø15 SEM CASQUILHO REDUTOR		



F-114 STEEL

ACIER F-114

AÇO F-114



EM-500: ACCUMULATION
EM-501: FIXED
DOUBLE Z14 - 1/2"

EM-500: ACCUMULATION
 EM-501: FIXE
 DOUBLE Z14 - 1/2"

EM-500: ACUMULAÇÃO
 EM-501: FIXO
 DUPLO Z14 - 1/2"

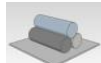


DIN625 6202-2RS1



WELDED STEEL SPROCKETS PIGNONS MÉTALLIQUES SOUDÉS CARRETOS METÁLICOS SOLDADOS

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SERIES SÉRIE MODELO	
EM-502 EM-552 CON		50x1.5		EM-508 EM-555 CON
		60x2		
		80x2		



F-114 STEEL
MATERIALS HANDLING

ACIER F-114
MANUTENTION

AÇO F-114
MOVIMENTAÇÃO



EM-502 DOUBLE Z14 - 1/2"

EM-502 DOUBLE Z14 - 1/2"

EM-502 DUPLO Z14 - 1/2"

EM-508 SINGLE Z14 - 1/2"

EM-508 SIMPLE Z14 - 1/2"

EM-508 SIMPLES Z14 - 1/2"

EM-552 DOUBLE Z14 - 1/2" — FOR CONES

EM-552 DOUBLE Z14 - 1/2" — POUR CÔNES

EM-552 DUPLO Z14 - 1/2" — PARA CONES

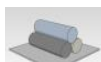


EM-555 SINGLE Z14 - 1/2" — FOR CONES
DIN625 D=35mm; B=11mm

EM-555 SIMPLE Z14 - 1/2" — POUR CÔNES

EM-555 SIMPLES Z14 - 1/2" — PARA CONES

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SERIES SÉRIE MODELO	
EM-510		80x2		EM-511
		80x3		
		89X3		
		108X3		
		133x4		



F-114 STEEL
PALLETIZATION

ACIER F-114
PALETTISATION

AÇO F-114
PALETIZAÇÃO



EM-510 DOUBLE Z15 - 5/8"

EM-510 DOUBLE Z15 - 5/8"

EM-510 DUPLO Z15 - 5/8"

EM-511 SINGLE Z15 - 5/8"

EM-511 SIMPLE Z15 - 5/8"

EM-511 SIMPLES Z15 - 5/8"



EM-510 DIN625 D=47mm; B=12mm
EM-511 DIN625 D=47mm; B=14mm

D=47mm; B=16mm

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SERIES SÉRIE MODELO	
EM-512		89x2		EM-513
		108x3		
		133X4		



F-114 STEEL
PALLETIZATION

ACIER F-114
PALETTISATION

AÇO F-114
PALETIZAÇÃO



EM-512 DOUBLE Z13 - 3/4"

EM-512 DOUBLE Z13 - 3/4"

EM-512 DUPLO Z13 - 3/4"

EM-513 SINGLE Z13 - 3/4"

EM-513 SIMPLE Z13 - 3/4"

EM-513 SIMPLES Z13 - 3/4"

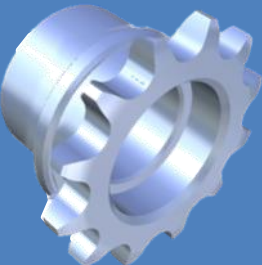
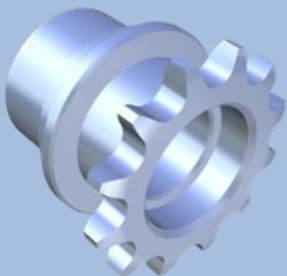


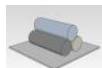
EM-512 DIN625 D=47mm; B=12mm
EM-513 DIN625 D=47mm; B=14mm

D=47mm; B=16mm



WELDED STEEL SPROCKETS **PIGNONS MÉTALLIQUES SOUDÉS** **CARRETOS METÁLICOS SOLDADOS**

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SERIES SÉRIE MODELO	
EM-522		30x1.5		EM-563 CON
		30x1.5		



F-114 STEEL
MATERIALS HANDLING

ACIER F-114
MANUTENTION

AÇO F-114
MOVIMENTAÇÃO



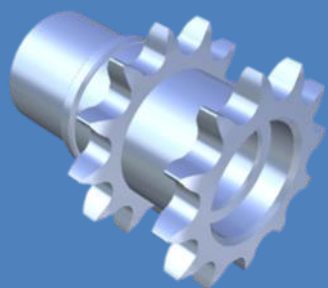
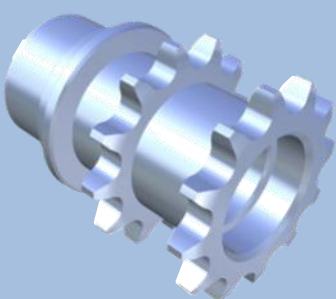
EM-522 SINGLE Z12 – 3/8"
EM-563 SIINGLE Z12 - 3/8" - FOR CONES

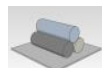
EM-522 SIMPLE Z12 – 3/8"
EM-563 SIMPLE Z12 - 3/8" – POUR CÔNES

EM-522 SIMPLÉS Z12 – 3/8"
EM-563 SIMPLÉS Z12 - 3/8" – PARA CONES



DIN625 D=22mm ; B=6mm /
D=22mm ; B=7mm

SERIES SÉRIE MODELO		TUBE / TUBE / TUBO (mm)	SERIES SÉRIE MODELO	
EM-525		30x1.5		EM-566 CON
		30x1.5		



F-114 STEEL
MATERIALS HANDLING

ACIER F-114
MANUTENTION

AÇO F-114
MOVIMENTAÇÃO



EM-525 DOUBLE Z12 - 3/8"
EM-566 DOUBLE Z12 - 3/8" - FOR CONES

EM-525 DOUBLE Z12 - 3/8"
EM-566 DOUBLE Z12 - 3/8" – POUR CÔNES

EM-525 DUPLO Z12 - 3/8"
EM-566 DUPLO Z12 - 3/8" – PARA CONES

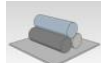


DIN625 D=22mm ; B=6mm
D=22mm ; B=7mm



THERMOPLASTIC PULLEYS
POULIES THERMOPLASTIQUES
POLIAS TERMOPLÁSTICAS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-420 EM-421		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



EM-420: ACCUMULATION
EM-421: FIXED
DOUBLE THROAT
TOROIDAL BELT Ø 5mm

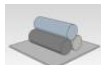
EM-420: ACCUMULATION
EM-421: FIXE
DOUBLE GORGE
COURROIE TOROÏDALE Ø 5mm

EM-420: ACUMULAÇÃO
EM-421: FIXO
GARGANTA DUPLA
CORREIA TOROIDAL Ø 5mm



DIN625 6202-2RS1

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-430 EM-431		50x1.5	12 – 14	40
		50x2.8	12 – 14	40
		60x1.5	12 – 14	40
		60x2	12 – 14	40
		63x3	12 – 14	40
		80x2	12 – 14	40



POLYAMIDE 6

POLYAMIDE 6

POLIAMIDA 6



EM-430: ACCUMULATION
EM-431: FIXED
TOOTHED BELT HTD Z20 – 8M

EM-430: ACCUMULATION
EM-431: FIXE
COURROIE CRANTÉE HTD Z20 – 8M

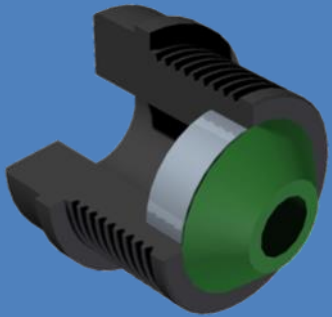
EM-430: ACUMULAÇÃO
EM-431: FIXO
CORREIA DENTADA HTD Z20 – 8M

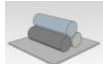


DIN625 6202-2RS1



POLY-V HEADS EMBOUTS POLU CABEÇAS TERMOPLÁSTICAS

SERIES / SÉRIE / MODELO		TUBE / TUBE / TUBO (mm)	SHAFT / AXE / EIXE (mm)	LOAD CHARGE (daN) CARGA
EM-411 EM-415 EM-416		50X1.5	12 – 14 – SW11	40



EM-411 THERMOPLASTIC HEAD
EM-415 / EM-416 STEEL HEAD

EM-411 EMBOUT THERMOPLASTIQUE
EM-415 / EM-416 EMBOUT ACIER

EM-411 CABEÇA TERMOPLÁSTICO
EM-415 / EM-416 CABEÇA AÇO



EM-411 / EM-415 FIXED
EM-416 WELDED
POLY-V BELT— PITCH: 2,34 mm

EM-411 / EM-415 FIXÉ
EM-416 SOUDÉ
COURROIE POLY-V— PAS: 2,34 mm

EM-411 / EM-415 FIXO
EM-416 SOLDADA
CORREIA POLY-V— PASSO 2,34 mm

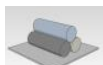


DIN625 6202-2RS1



LABYRINTH SEAL CARTOUCHE D'ÉTANCHÉITÉ FECHO LABIRÍNTICO

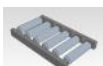
SERIES / SÉRIE / MODELO		BEARING ROULEMENT ROLAMENTO	EXTERIOR EXTÉRIEUR (mm)	SHAFT AXE (mm)	WIDTH LARGEUR (mm)
CL		6303	47	17	22.5
		6204	47	20	22.5
		6305	62	25	23.5
		6206	62	30	23.5
		6306	72	30	24.5
		6308	90	40	23.1



BUSHING: POLYPROPYLENE
CAP: ZINC-PLATED AP-02 STEEL
LABYRINTH: POLYPROPYLENE

DOUILLE : POLYPROPYLÈNE
CUVETTE : ACIER AP-02 ZINGUÉ
CARTOUCHE : POLYPROPYLÈNE

CASQUILHO: POLIPROPILENO
TAMPA: AÇO AP-02 ZINCADO
LABIRINTO: POLIPROPILENO



FOR WELDED STEEL HEADERS
LARGE-SCALE AND MEDIUM-SCALE MINING
PALLETIZATION

POUR EMBOUTS MÉTALLIQUES SOUDÉS
INDUSTRIE MINIÈRE LOURDE ET SEMI-
LOURDE
PALETTISATION

PARA CABEÇAS METÁLICAS SOLDADAS
ACTIVIDADE MINEIRA PESADA E SEMI-PESADA
PALETIZAÇÃO



GUIDE FINS COUPELLES DE GUIDAGE ALHETAS GUIA

SERIES SÉRIE MODELO	TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø EXTERIOR Ø EXTÉRIEUR (mm) Ø EXTERIOR	WIDTH LARGEUR (mm) LARGURA	E (mm)
BS	BS-P	30–60	30 x 1,8	60	7
		40–60	40 x 1,5	60	7
		40–60	40 x 2,3	60	7
	BS-K	50–130	50	130	10
		60–110	60	110	10
		60–130	60	130	10
		63,5–130	63,5	130	10
		80–130	80	130	14
		80–150	80	150	14
		89–130	89	130	14
		89–150	89	150	14
		108–150	108	150	14
		108–160	108	160	14
	BS-D	80–130	80	130	25
		89–150	89	150	25



BS-P



BS-K



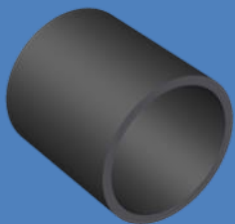
BS-D

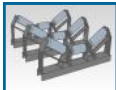
THERMOPLÁSTIC
THERMOPLÁSTIQUE TERMOPLÁSTICA

THERMOPLÁSTIC AND STEEL
THERMOPLÁSTIQUE ET MÉTALLIQUE
TERMOPLÁSTICA E METÁLICA



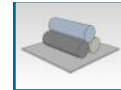
SEPARATING RUBBERS MANCHONS SÉPARATEUR SEPARADORES DE BORRACHA

SERIE	TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø EXTERIOR Ø EXTÉRIEUR (mm) Ø EXTERIOR	WIDTH LARGEUR (mm) LARGURA
RUBBERS CAUTCHOUCS BORRACHA		GS 63-72-75	63	72
		GS 89-100-75	89	100
		GS 89-100-100	89	100
		GS 108-126-75	108	126
		GS 108-126-80	108	126



DISTANCE SLEEVES
ÉCARTEURS EN CAOUTCHOUC
DISTANCIADORES DE BORRACHAS

COLOUR: BLACK OR WHITE
COULEUR: NOIR OU BLANC
COR: PRETO OU BRANCO



Clamping rings for rubbers Anneau de fixation des bagues Anilha de fixação de borrachas	TYPE / TYPE / TIPO	TUBE / TUBE / TUBO (mm)
	AF-60	60
	AF-63,5	63,5
	AF-70	70
	AF-89	89
	TEMPERED STEEL / ACIER TRAITÉ / AÇO BENEFICIADO 1.0601 C60	



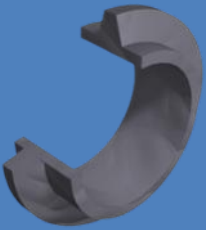
RUBBERS CAOUTCHOUCS BORRACHAS

SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø EXTERIOR Ø EXTÉRIEUR (mm) Ø EXTERIOR	WIDTH LARGEUR (mm) LARGURA
SHOCK ABSORBERS AMORTISSEURS AMORTECEDORAS		GA 63-89	60 – 63	89	35
		GA 63-108	60 – 63	108	45
		GA 70-108	70	108	35
		GA 89-133	89	133	35
		GA 89-159	89	159	50
		GA 108-159	108	159	40
		GA 108-180	108	180	40
		GA 108-193	108	193	50
		GA 133-193	133	193	25
		GA 133-215	133	215	40

SHOCK ABSORPTION LOADING AREA ON BELTS / POUR ABSORBER LES CHOCs À LA ZONE DE CHARGEMENT DU CONVOYEUR / AMORTIZAÇÃO DE IMPACTOS ZONA DE CARGA EM BANDAS

SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø EXTERIOR Ø EXTÉRIEUR (mm) Ø EXTERIOR	WIDTH LARGEUR (mm) LARGURA
OVAL OVALES OVAIS		GO 63-89	60 – 63	89	25
		GO 63-108	60 – 63	108	25
		GO 63-133	60 – 63	133	27
		GO 63-150	60 – 63	150	25
		GO 63-159	60 – 63	159	30
		GO 89-133	89	133	25
		GO 89-159	89	159	30
		GO 108-159	108	159	30
		GO 108-180	108	180	42
		GO 108-193	108	193	25
		GO 133-193	133	193	25

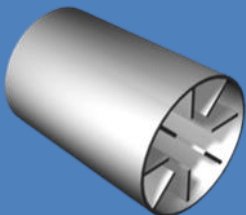
BELT CLEANING AND GUIDANCE / NETTOYAGE DES BANDES ET GUIDAGE / LIMPEZA DE BANDAS E GUIADA

SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø EXTERIOR Ø EXTÉRIEUR (mm) Ø EXTERIOR	WIDTH LARGEUR (mm) LARGURA
SPIRAL HÉLICOÏDAUX HELICOIDAIS		GH 63-89	60 – 63	89	42
		GH 63-108	60 – 63	108	45
		GH 70-108	70	108	35
		GH 89-133	89	133	42
		GH 89-159	89	159	45
		GH 108-159	108	159	50
		GH 133-193	133	193	50

BELT CLEANING / NETTOYAGE DES BANDES / LIMPEZA DE BANDAS



CONES
CÔNES
CONES

SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø MAX. (mm)	Ø MIN. (mm)	L (mm)
EMT		EMT-1	30	39.6	34	83
		EMT-2	30	46.4	39.6	100
		EMT-3	30	53.2	46.4	100
		EMT-4	30	59.9	53.2	100
		EMT-5	30	66.7	59.9	100
		EMT-6	30	73.5	66.7	100

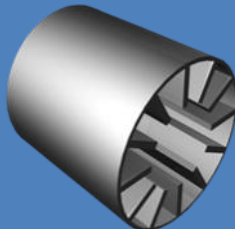


INNER RADIUS CURVES
POLYPROPYLENE

= 500mm

COURBES À RAYON INTÉRIEUR = 500mm
POLYPROPYLÈNE

CURVAS DE RAIIO INTERIOR = 500mm
POLIPROPILENO

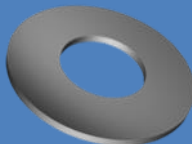
SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø MAX. (mm)	Ø MIN. (mm)	L (mm)
EMC		EMC-1	50	59.9	54	90
		EMC-2	50	66.6	59.9	100
		EMC-3	50	73.4	66.6	100
		EMC-4	50	80.1	73.4	100
		EMC-5	50	86.9	80.1	100
		EMC-6	50	93.6	86.9	100
		EMC-7	50	100.4	93.6	100
		EMC-8	50	107.1	100.4	100
		EMC-9	50	113.9	107.1	100
		EMC-10	50	120.9	113.9	100

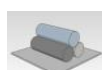


INNER RADIUS CURVES = 800mm
POLYPROPYLENE

COURBES À RAYON INTÉRIEUR = 800mm
POLYPROPYLÈNE

CURVAS DE RAIIO INTERIOR = 800mm
POLIPROPILENO

SERIES SÉRIE MODELO		TYPE TYPE TIPO	TUBE TUBE (mm) TUBO	Ø MAX. (mm)	Ø MIN. (mm)	L (mm)
EMTT		EMTT-3	30	48.8	28.5	3
		EMTT-4	30	55.8	28.5	3
		EMTT-5	30	62.3	28.5	3
		EMTT-6	30	68.8	28.5	3



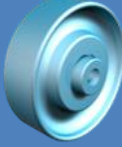
CAPS FOR CONES
POLYPROPYLENE

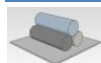
COUVERCLES POUR CÔNES
POLYPROPYLÈNE

TAMPAS PARA CONES
POLIPROPILENO



SKATEWHEELS GALETS ROLDANAS

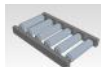
SERIES SÉRIE MODELO			TYPE TYPE TIPO	Ø (mm)	SHAFT AXE (mm) EIXO	LOAD CHARGE (daN) CARGA
UNIDIRECTIONAL UNIDIRECTIONNEL UNIDIRECIONAL			GMR	48	6 – 8 (L=24) (A= 15.5)	20
			EMR	48	6 – 8 (L=24) (A= 15.5)	10
			ALE	48 ALETA 66	6 – 8 (L=24) (A= 15.5)	10



SINGLE RAIL : PITCH=52mm
DOUBLE RAIL : PITCH=40mm

MONORAIL : PAS=52mm
DOUBLE RAIL : PAS=40mm

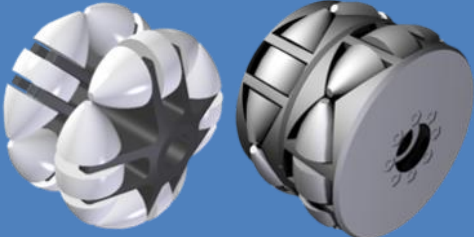
CARRIL SIMPLES :PASSO=52mm
CARRIL DUPLO : PASSO=40mm

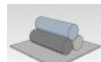


GMR: ZINC-PLATED STEEL
EMR: POLYAMIDE
ALE: POLYAMIDE

GMR: ACIER ZINGUÉ
EMR: POLYAMIDE
ALE: POLYAMIDE

GMR: AÇO ZINCADO
EMR: POLIAMIDA
ALE: POLIAMIDA

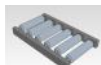
SERIES SÉRIE MODELO		TYPE TYPE TIPO	Ø (mm)	SHAFT AXE (mm) EIXO	LOAD CHARGE (daN) CARGA		
MULTIDIRECTIONAL MULTIDIRECTIONNEL MULTI-DIRECIONAL			S I M P L	OMNI-50 S	50	8	5
			OMNI-60 S	60	8	10	
			OMNI-80 S	80	8	20	
			D O U B L E	OMNI-50 D	50	8	10
			OMNI-60 D	60	8	20	
			OMNI-80 D	80	8	40	
			OKAR-120 D	120	17	250	



Ø50, Ø60 AND Ø80: POM (DELIRIN)
Ø120: POM OR ZINC-PLATED STEEL

Ø50, Ø60 ET Ø80: POM (DELIRIN)
Ø120: POM OU ACIER ZINGUÉ

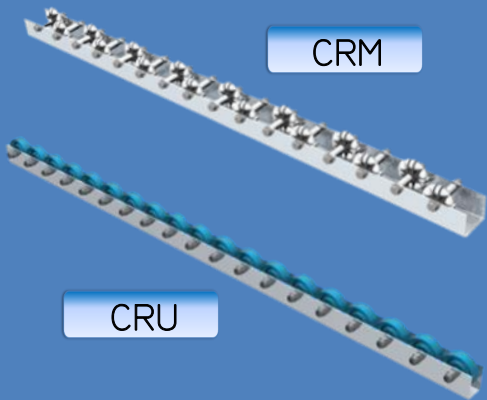
Ø50, Ø60 E Ø80: POM (DELIRIN)
Ø120: POM OU AÇO ZINCADO



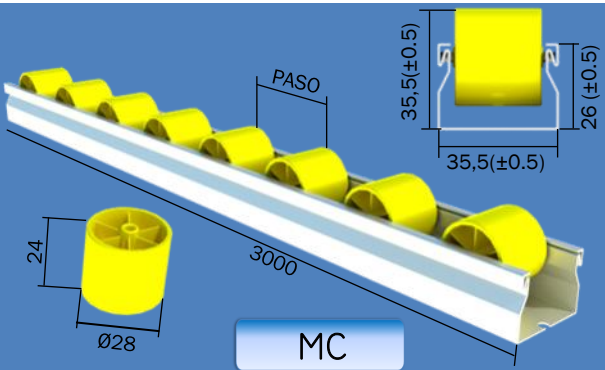
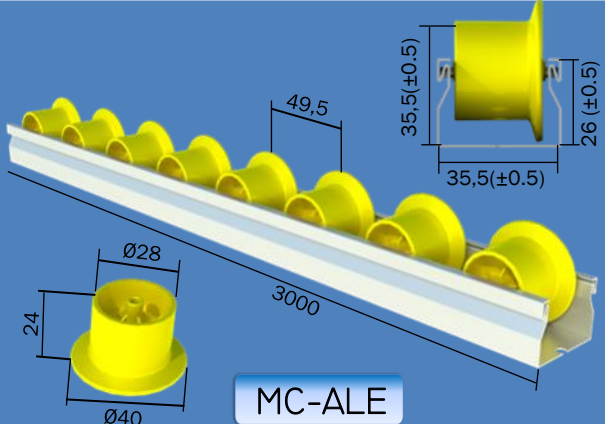
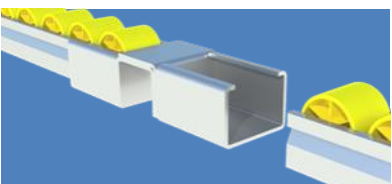
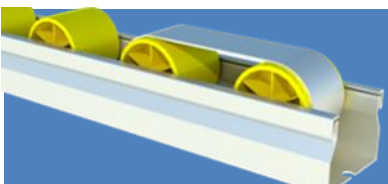
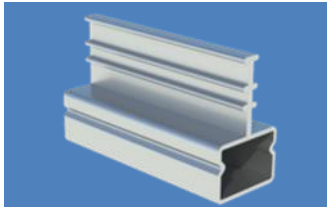
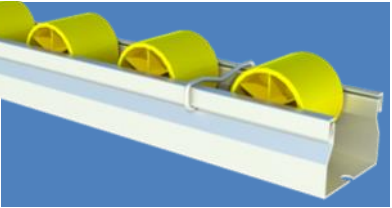
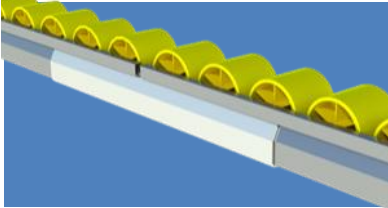
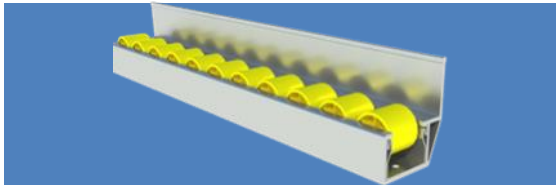
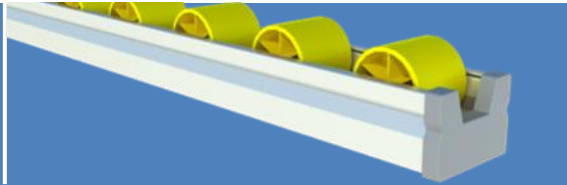
SKATE WHEEL PATHS
OPERATING TABLES

RAILS À GALETS
TABLES DE MANUTENTION

CAMINHOS DE ROLDANAS
MESAS DE MANIPULAÇÃO

SÉRIES SÉRIE MODELO		TYPE TYPE TIPO		PITCH PAS PASSO		
PULLEY WHEEL RAIL RAIL À GALETS CARRIL ROLDANA			UNIDIRECTIONAL UNIDIRECTIONNEL UNIDIRECIONAL	SIMPLE SIMPLE SIMPLES	CRU-48S-GMR	52
					CRU-48S-EMR	52
				DOUBLE DOUBLE DUPLO	CRU-48D-GMR	40
					CRU-48D-EMR	40
			MULTIDIRECTIONAL MULTIDIRECTIONNEL MULTI-DIRECIONAL	DOBLE	CRM-50D	52
				DOBLE	CRM-60D	62
				DOBLE	CRM-80D	82
				DOBLE	CRM-120D	100
			 OTHER RAILS: CONSULT ETS POUR AUTRES RAILS, CONSULTER ETS OUTROS CARRIS, CONSULTE A ETS			



SERIES SÉRIE MODELO		TYPE TYPE TIPO	Ø(mm)	PITCH PAS PASSO	LOAD CHARGE (daN) CARGA				
MINIRAIL / MINIRAIL / MINIC	 MC	MC-33	28	33	6				
		MC-50	28	49.5	6				
	 MC-ALE	MC-50 ALE	28 FIN PROFIL ALHETA 40	49.5	6				
ACCESSORIES ACCESSOIRES ACESSÓRIOS		CLIP CLIP DE FIXATION GRAMPO	MC—GR		STRUCTURE UNION UNION STRUCTURE UNIÃO ESTRUTURE	MC — R4		BRAKE CLAMP RAMPE FREIN BRAÇADEIRA FREIO	MC — FR
		GUIDE RAIL PROFIL DE GUIDAGE CARRIL GUIA	MC — GC		ANTI-EXPANSION CATCH CLIP ANTI-DILATATION BLOQUEIO ANTI-EXPANSÃO	MC — SR		RAIL CONNECTOR CONNECTEUR DE RAILS CONECTOR CARRIS	MC — CR
		SIDE RAIL GUIDE GUIAMENTO LATERAL	MC — GMO					END CAP PROTECTION D'INTRODUCTION TAMPA FINAL	MC — PR

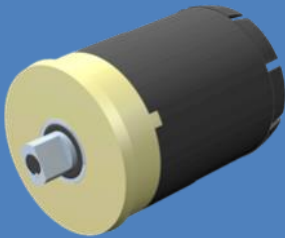


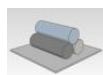
MINIRAIL
MINIRAIL
MINICARRIL

SERIES SÉRIE MODELO		TYPE TYPE TIPO	Ø (mm)	PITCH PAS PASSO	LOAD CHARGE (daN) CARGA				
MINIRAIL MINIRAIL MINICARRIL	 MC-35	MC-35	32	35,7	19				
	 MC-35-ALE	MC-35-ALE	23.5 FIN PROFIL 35 ALHETA	35.7	19				
ACCESSORIES ACCESSOIRES ACESSÓRIOS		NON-STOP CONNECTOR CONNECTEUR SANS BUTÉE BRAÇADEIRA MOLA	MC35 – C1		LOW-STOP CONNECTOR CONNECTEUR C/ BUTÉE BAS SUPORTE COM TOPO BAIXO	MC35 – C2		HIGH-STOP CONNECTOR CONNECTEUR C/BUTÉE HAUTE SUPORTE COM TOPO ALTO	MC35 – C3
		BRIDGE CONNECTOR CONNECTEUR PONT RAIL SUPORTE EM PONTE	MC35 – C4		CONNECTOR CONNECTEUR PONT SUPORTE PONTE	MC35 – C5		INTERMEDIATE CONNECTOR CONNECTEUR INTERMÉDIAIRE SUPORTE INTERMEDIO	MC35 – C6



BRAKE HEAD EMBOUT DE FREIN CEBEÇA DE ROLO FREIO

SERIES SÉRIE MODELO		TYPE TYPE TIPO					SHAFT / AXE / EIXE (mm)		
		Ø (mm)	ST	STI	N	GAL	Ø9	Ø17	Ø20
EM-260-FR		50X2	✓	✓			✓		
		80 x 2	✓	✓	✓			✓	
		89 x 3	✓	✓	✓				✓



Ø80- FROM 80 TO 1300 KG

Ø89- SPECIFY LOAD: 200,500, 800 OR
1200 KG

Ø80 CHARGE DE 80 À 1300 KG

Ø89 CHARGE À SPÉCIFIER 200,500, 800
ET 1200 KG

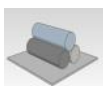
Ø80 CARGA 80 A 1300 KG

Ø89 ESPECÍFICA CARGA 200,500,
800, 1200KG



JACKETED PVC GAINÉ FUNDA

SERIES SÉRIE MODELO		TUBE TUBE TUBO	JACKET (FLEXIBLE PVC) GAINÉ (PVC SOUPLE) PROFUNDIDADE			
		Ø (mm)	Ø int. (mm)	Ø ext. (mm)	COLOUR COULEUR COR	THICKNESS ÉPAISSEUR (mm) ESPESSURA
JACKETED PVC GAINÉ FUNDA		30	30	34	BLACK	2
		40	40	44	BLACK	2
			40	50	GREY	CONSULT
		50	50	54	BLACK GREY	2
			50	60	GREY	5
		60	60	64	GREY	2
			60	70	GREY	5
		80	80	84	GREY	2



FLEXIBLE PVC
PVC FLEXIBLE
PVC FLEXÍVEL

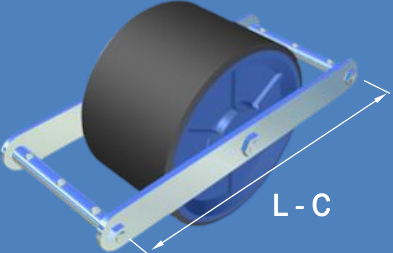


FOR OTHER SPECIFICATIONS CONSULT ETS

POUR AUTRES MATÉRIEAUX ET SPÉCIFICATIONS, CONSULTER ETS
POUR D'AUTRES MESURES CONSULTER ETS

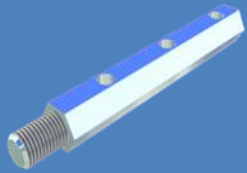


BRAKE DRUM
TAMBOUR DE FREIN
TAMBOR FREIO

SERIES SÉRIE MODELO		TYPE TYPE TIPO	Ø DRUM Ø TAMBOUR Ø TAMBOR	C (mm)	L (mm)	LOAD CHARGE (daN) CARGA
TF-C TF-L		TF-300	120	182	220	300
		TF-500	120	182	220	500
		TF-800	120	182	220	800
		TF-1000	120	182	220	1000
		TF-1200	120	182	220	1200



THE VALUES C AND L CORRESPOND TO THE LENGTH OF THE SUPPORT ARM
LES VALEURS C ET L CORRESPONDENT À LA LONGUEUR DU BRAS SUPPORT
OS VALORES C E L CORRESPONDEM AO COMPRIMENTO DO BRAÇO SUPORTE

SERIES SÉRIE MODELO			TYPE TYPE TIPO	L (mm)
ACCESSORIES ACCESSOIRE COMPLEMENTOSOS		SUPPORT SHAFT AXE DE SUSTENTATION EIXO SUSTENTADOR	ETFL-105	105
		SUSPENSION SPRING RESSORT DE SUSPENSION MOLA DE SUSPENSÃO	MTFL-30	30
			MTFL-50	50
			MTFL-65	65
		SHOCK ABSORBER HOOK CROCHET AMORTISSEUR GANCHO AMORTECEDOR	GTFL-67	67
			GTFL-88	88



BALL TRANSFER UNITS

BILLES DE MANUTENTION

ESFERAS TRANSPORTADORAS

SERIES SÉRIE MODELO	TYPE TYPE TIPO	FEATURES CARACTÉRISTIQUES CARACTERÍSTICAS	Ø BALL Ø BILLE Ø ESFERA	LOAD CHARGE CARGA	
BT	BT-GS	MACHINED STEEL SHELL; STEEL OR THERMOPLASTIC BALL; SCREW BOLT M6, M8 AND M10; WITH OR WITHOUT COLLAR.	12–15 mm	UP TO JUS- QU'À ATÉ 60 daN	
		CORPS EN ACIER USINÉ; BILLE MÉTALLIQUE OU THERMOPLASTIQUE; TIGE FILETÉE M6, M8 ET M10; À COLLERETTE OU SANS.			
		CORPO AÇO MECANIZADO, ESFERA METÁLICA OU TERMOPLÁSTICA, PARAFUSO ROSCADO M6, M8 E M10; COM OU SEM REBORDO.			
	BT-MS	GALVANIZED STEEL SHELL; GALVANIZED STEEL BALL; WITH COLLAR; SEALED GREASING SYSTEM; LIGHT LOADS.	15–22–30 mm	UP TO JUS- QU'À ATÉ 250 daN	
		CORPS EN ACIER GALVANISÉ; BILLE MÉTALLIQUE; À COLLERETTE; SYSTÈME DE LUBRIFICATION SCELLÉ; CHARGES LÉGÈRES.			
	BT-LS	GALVANIZED STEEL SHELL; THERMOPLASTIC BALL; WITH COLLAR; SEALED GREASING SYSTEM; LIGHT LOADS.	15–22–30 mm	UP TO JUS- QU'À ATÉ 15 daN	
		CORPS EN ACIER GALVANISÉ; BILLE THERMOPLASTIQUE; À COLLERETTE; SYSTÈME DE LUBRIFICATION SCELLÉ; CHARGES LÉGÈRES.			
	BT-RS	MACHINED STEEL SHELL; STEEL BALL; WITH LOADING SPRING; WITH COLLAR; HEAVY LOADS	22–30–45 mm	UP TO JUS- QU'À ATÉ 215 daN	
		CORPS EN ACIER USINÉ; BILLE MÉTALLIQUE; AVEC RESSORT DE CHARGEMENT; À COLLERETTE; CHARGES LOURDES			
	BT-PS	THERMOPLASTIC SHELL; 1" STEEL OR THERMOPLASTIC BALL; WITH COLLAR.	25.4 mm	UP TO JUS- QU'À ATÉ 40 daN	
		CORPS THERMOPLASTIQUE; BILLE MÉTALLIQUE OU THERMOPLASTIQUE DE 1"; À COLLERETTE.			
	BT-HS	HARDENED STEEL SHELL; STEEL BALL; WITH OR WITHOUT COLLAR; SEALED GREASING; VERY HEAVY LOADS; LONG OPERATING LIFE.	60–76–90 Mm	UP TO JUS- QU'À ATÉ 3000 daN	
		CORPS EN ACIER TREMPÉ; BILLE MÉTALLIQUE; À COLLERETTE OU SANS; LUBRIFICATION SCELLÉ; CHARGES TRÈS LOURDES; LONGUE VIE UTILE.	60–76–90 Mm		
		CORPO AÇO ENDURECIDO, ESFERA METÁLICA, COM OU SEM REBORDO, SISTEMA SELADO DE LUBRIFICAÇÃO, CARGAS MUITO PESADAS, LONGA VIDA ÚTIL.	60–76–90 Mm		
	BT-CS	HARDENED STEEL SHELL; STEEL BALL; WITH COLLAR; HEAVY LOADS; FOR OUTDOOR USE; SEALED GREASING.	22–30–45 Mm	UP TO JUS- QU'À ATÉ 300 daN	
		CORPS EN ACIER TREMPÉ; BILLE MÉTALLIQUE; À COLLERETTE; CHARGES LOURDES; POUR APPLICATIONS À L'INTÉRIEUR; LUBRIFICATION SCELLÉ.	22–30–45 Mm		
		CORPO AÇO ENDURECIDO, ESFERA METÁLICA, COM REBORDO, CARGAS PESADAS, PARA APLICAÇÕES RESISTENTES A INTEMPÉRIES, LUBRIFICAÇÃO SELADA.	22–30–45 Mm		
	BT-DS	MACHINED STEEL SHELL; THERMOPLASTIC BALL; WITH OR WITHOUT COLLAR; SELF-CLEANING ORIFICE; HEAVY LOADS.	8–12–15 22–30–45 mm	UP TO JUS- QU'À ATÉ 40 daN	
		CORPS EN ACIER USINÉ; BILLE THERMOPLASTIQUE; À COLLERETTE OU SANS; ORIFICE D'AUTO-NETTOYAGE; CHARGES LOURDES.	8–12–15 22–30–45 mm		
		CORPO AÇO MECANIZADO, ESFERA TERMOPLÁSTICA, COM OU SEM REBORDO, ORIFÍCIO AUTO-LIMPEZA, CARGAS PESADAS.	8–12–15 22–30–45 mm		
	BT-BS	MACHINED STEEL SHELL; 1" STEEL BALL; WITH COLLAR; SELF-CLEANING ORIFICE; HEAVY LOADS.	25+4 mm	UP TO JUS- QU'À ATÉ 200 daN	
		CORPS EN ACIER USINÉ; BILLE MÉTALLIQUE DE 1"; À COLLERETTE; ORIFICE D'AUTO-NETTOYAGE; CHARGES LOURDES.	25.4 mm		
		CORPO AÇO MECANIZADO, ESFERA METÁLICA DE 1", COM REBORDO, ORIFÍCIO AUTO-LIMPEZA, CARGAS PESADAS.	25.4 mm		
	BT-VS	MACHINED STEEL SHELL; STEEL BALL; WITH OR WITHOUT COLLAR; SELF-CLEANING ORIFICE; IMPACT LOADS; LONG OPERATING LIFE.	8–12–15 22–30–45 mm	UP TO JUS- QU'À ATÉ 600 daN	
		CORPS EN ACIER USINÉ; BILLE MÉTALLIQUE; À COLLERETTE OU SANS; ORIFICE D'AUTO-NETTOYAGE; FORTES CHARGES; LONGUE VIE UTILE.	8–12–15 22–30–45 mm		
		CORPO AÇO MECANIZADO, ESFERA METÁLICA, COM OU SEM REBORDO, ORIFÍCIO AUTO-LIMPEZA, CARGAS DE CHOQUE, LONGA VIDA ÚTIL.	8–12–15 22–30–45 mm		



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Página 70

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