VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

CATÁLOGO DE PRODUCTOS

PRODUCTS CATALOG
CATÁLOGO DE PRODUCTOS

HIDRÁULICA

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www.vmflex.pt

VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

PORTO
Zona Industrial Alto de Vilar
R. Bouça dos Estilhadouros, 306/314
4445-044 **ALFENA** • Portugal
Tlf. +351 **229 698 040** • Fax. +351 220 100 362
geral@vmflex.pt

LISBOA
Parque Industrial do Seixal
R. Rodrigo Sarmento de Beires, Lote 13, Arm 2
2840-068 **ALDEIA DE PAIO PIRES** • Portugal
Tlf. +351 **215 817 952**
lisboa@vmflex.pt

www.**VMFLEX**.pt

Este catálogo contém informações de carácter geral, para obter mais detalhes sobre as características técnicas dos produtos e sobre os relativos valores a se respeitar para seu correto funcionamento, consultar com o nosso serviço técnico.

Balflex® Group

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VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

BOMBAS ENGRANAJES

BOMBAS ENGRENAGENS GRUPO 1 ROSCADA DIREITA, FLANGE EUROPEIA, VEIO CÔNICO 1:8
CLOCKWISE THREATED GEAR PUMPS GROUP 1, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 1 ROSCADA DERECHA, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFB010000B	1	3/8	3/8
VMFB010001B	1,3	3/8	3/8
VMFB010002B	1,8	3/8	3/8
VMFB010002NB	2,1	3/8	3/8
VMFB010003B	2,7	3/8	3/8

Ref.	(cm³)	In	Out
VMFB010004B	3,2	3/8	3/8
VMFB010005B	4,2	3/8	3/8
VMFB010006B	4,8	3/8	3/8
VMFB010007B	5,8	3/8	3/8
VMFB010008B	8	1/2	3/8

BOMBAS ENGRENAGENS GRUPO 1, FLANGE, DIREITA, FLANGE EUROPEIA, VEIO CÔNICO 1:8
GEAR PUMPS GROUP 1, FLANGES, CLOCKWISE, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 1, BRIDAS, DERECHA, BRIDA EUROPEA, EJE CONICO 1:8

Ref.	(cm³)	In	Out
VMFB010010B	1	30	30
VMFB010011B	1,3	30	30
VMFB010012B	1,8	30	30
VMFB010012NB	2,1	30	30
VMFB010013B	2,7	30	30

Ref.	(cm³)	In	Out
VMFB010014B	3,2	30	30
VMFB010015B	4,2	30	30
VMFB010016B	4,8	30	30
VMFB010017B	5,8	30	30
VMFB010018B	8	30	30

BOMBAS ENGRENAGENS GRUPO 2 ROSCADA DIREITA, FLANGE EUROPEIA, VEIO CÔNICO 1:8
CLOCKWISE THREATED GEAR PUMPS GROUP 2, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 2 ROSCADA DERECHA, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFB0202001B	4	1/2	3/8
VMFB0202002B	6	1/2	3/8
VMFB0202003B	8	1/2	3/8
VMFB0202003NB	10	1/2	3/8
VMFB0202004B	12	1/2	3/8
VMFB0202005.1B	14	1/2	3/8

Ref.	(cm³)	In	Out
VMFB0202005B	16	1/2	3/8
VMFB0202006.1B	18	3/4	1/2
VMFB0202006B	20	3/4	1/2
VMFB0202007B	23	1"	3/4
VMFB0202008B	25	1"	3/4
VMFB0202010B	30	1"	3/4

BOMBAS ENGRENAGENS GRUPO 2, FLANGE, DIREITA, FLANGE EUROPEIA, VEIO CÔNICO 1:8
GROUP 2 GEAR PUMPS, FLANGES, CLOCKWISE, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 2, BRIDAS, DERECHA, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFB0201001B	4	30	30
VMFB0201002B	6	30	30
VMFB0201003.1B	8	40	30
VMFB0201003B	10	40	30
VMFB0201004B	12	40	30
VMFB0201004NB	14	40	30

Ref.	(cm³)	In	Out
VMFB0201005.1B	16	40	30
VMFB0201005B	18	40	30
VMFB0201006B	20	40	30
VMFB0201007B	23	40	30
VMFB0201008B	25	40	40
VMFB0201009B	30	40	40

BOMBAS ENGRENAGENS GRUPO 3 ROSCADA DIREITA TAMPAS ACO, FLANGE EUROPEIA, VEIO CÔNICO 1:8
CLOCKWISE THREATED GEAR PUMPS GROUP 3 STEEL COVERS, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 3 ROSCADA DERECHA TAPAS ACERO, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFB0301006.1B	26	1"	3/4
VMFB0302001.1B	34	1"	3/4
VMFB0302002.1B	39	1"	3/4
VMFB0302003.1B	43	1"	3/4
VMFB0302004.1B	51	1"	3/4

Ref.	(cm³)	In	Out
VMFB0302005.1B	60	1"	3/4
VMFB0302005.2B	70	1"	3/4
VMFB0302005.3B	78	1"	3/4
VMFB0302005.4B	89	1"	3/4

BOMBAS ENGRENAGENS
GEAR PUMPS
BOMBAS ENGRANAJES

BOMBAS ENGRENAGENS GRUPO 3 TAMPAS AÇO, FLANGE, DEREITA, FLANGE EUROPEIA, VEIO CÔNICO 1:8
GEAR PUMPS GROUP 3 STEELS COVERS, FLANGES, CLOCKWISE, EUROPEAN FLANGE, CON. SHAFT 1:8
BOMBAS ENGRANAJES GRUPO 3 TAPAS ACERO, BRIDAS, DERECHA, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFB0301000.1B	26	51	40
VMFB0301001.1B	34	51	40
VMFB0301002.1B	39	51	40
VMFB0301003.1B	43	51	40
VMFB0301004.1B	51	51	40

Ref.	(cm³)	In	Out
VMFB0301005.1B	60	62	51
VMFB0301005.2B	70	62	51
VMFB0301005.3B	78	62	51
VMFB0301005.4B	89	62	51

BOMBAS ENGRENAGENS GRUPO 1 PARA MINICENTRAIS
GEAR PUMP GROUP 1 POWER PACKS
BOMBAS ENGRANAJES GRUPO 1 PARA MINICENTRALES

Ref.	(cm³)
MHY020009	0,8
MHY020009.1	1,1
MHY020009.2	1,3
MHY020009.3	1,6
MHY020009.35	1,8
MHY020009.4	2,1
MHY020009.5	2,7

Ref.	(cm³)
MHY020009.6	3,2
MHY020009.7	3,7
MHY020009.8	4,2
MHY020009.9	4,8
MHY020009.91	5,8
MHY020009.94	8
MHY020009.95	9,2

BOMBAS PISTÕES
PISTON PUMPS
BOMBAS PISTONES

BOMBAS PISTÕES COM L / S /PISTON PUMPS WITH L / S / BOMBAS PISTONES CON L / S

Ref.	(cm³)	
VMFBA10VS06	28	280
VMFBA10VS07	45	280
VMFBA10VS08	71	280
VMFBA10VS09	100	280
VMFBA10VS10	140	280

BOMBAS PISTÕES COM CONTROL DE PRESÃO REMOTO / PISTON PUMPS PRESSURE CONTROL REMOTELY CONTROLED / BOMBAS PISTONES CON CONTROL DE PRESIÓN REMOTO /

Ref.	(cm³)	
VMFBA10VS11	28	280
VMFBA10VS12	45	280
VMFBA10VS13	71	280
VMFBA10VS14	100	280
VMFBA10VS15	140	280

BOMBAS PISTÕES COM CONTROL DE PRESÃO / PISTON PUMPS WITH PRESSURE CONTROL / BOMBAS PISTONES CON CONTROL DE PRESIÓN /

Ref.	(cm³)	
VMFBA10VS01	28	280
VMFBA10VS02	45	280
VMFBA10VS03	71	280
VMFBA10VS04	100	280
VMFBA10VS05	140	280

BOMBAS PALHETAS / VANE PUMPS / BOMBAS PALETAS

BOMBA PALHETAS VMFBPSV / VANE PUMP VMFBPSV / BOMBA PALETA VMFBPSV

BOMBAS SIMPLES		CARTUCHOS DE RECAMBIO	
Ref	Caudal (g.p.m. x 1200 r.p.m.)	Ref	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPSV10	1-2-3-4-5-6-7	VMFBPSV10	1-2-3-4-5-6-7
VMFBPSV20	6-7-8-9-10-11-12-13	VMFBPSV20	6-7-8-9-10-11-12-13

BOMBA PALHETAS VMFBPS*V / VANE PUMP VMFBPS*V / BOMBA PALETA VMFBPS*V

BOMBAS SIMPLES		CARTUCHOS DE RECAMBIO	
Ref	Caudal (g.p.m. x 1200 r.p.m.)	Ref	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPS20V	2-3-4-5-6-7-8-9-10-11-12-14	VMFBPS20V	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS25V	10-12-14-15-17-19-21-25	VMFBPS25V	10-12-14-15-17-19-21-25
VMFBPS35V	21-25-30-32-35-38	VMFBPS35V	21-25-30-32-35-38
VMFBPS45V	35-42-45-50-57-60-66-75	VMFBPS45V	35-42-45-50-57-60-66-75

BOMBAS DOBLES		
Ref	Caudal (g.p.m. x 1200 r.p.m.)	
VMFBPS2520V	10-12-14-15-17-19-21-25	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS3520V	21-25-30-32-35-38	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS3525V	21-25-30-32-35-38	10-12-14-15-17-19-21-25
VMFBPS4520V	35-42-45-50-57-60-66-75	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS4525V	35-42-45-50-57-60-66-75	10-12-14-15-17-19-21-25
VMFBPS4535V	35-42-45-50-57-60-66-75	21-25-30-32-35-38

BOMBA PALHETAS VMFBPSVQ / VANE PUMP VMFBPSVQ / BOMBA PALETA VMFBPSVQ

BOMBAS SIMPLES		CARTUCHOS DE RECAMBIO	
Ref.	Caudal (g.p.m. x 1200 r.p.m.)	Ref.	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPS20VQ	2-3-4-5-6-7-8-9-10-11-12-14	VMFBPS20VQ	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS25VQ	10-12-14-15-17-19-21-25	VMFBPS25VQ	10-12-14-15-17-19-21-25
VMFBPS35VQ	21-25-30-32-35-38	VMFBPS35VQ	21-25-30-32-35-38
VMFBPS45VQ	35-42-45-50-57-60-66-75	VMFBPS45VQ	35-42-45-50-57-60-66-75

BOMBAS DOBLES		
Ref.	Caudal (g.p.m. x 1200 r.p.m.)	
	Lado Eje	Lado Tapa
VMFBPS2520VQ	10-12-14-15-17-19-21-25	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS3520VQ	21-25-30-32-35-38	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS3525VQ	21-25-30-32-35-38	10-12-14-15-17-19-21-25
VMFBPS4520VQ	35-42-45-50-57-60-66-75	2-3-4-5-6-7-8-9-10-11-12-14
VMFBPS4525VQ	35-42-45-50-57-60-66-75	10-12-14-15-17-19-21-25
VMFBPS4535VQ	35-42-45-50-57-60-66-75	21-25-30-32-35-38

BOMBA PALHETAS VMFBPSVQH / VANE PUMP VMFBPSVQH / POMPE À PALETTE VMFBPSVQH

BOMBAS SIMPLES	
Ref.	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPS25VQH	10-12-14-15-17-19-21-25
VMFBPS35VQH	21-25-30-32-35-38
VMFBPS45VQH	35-42-45-50-57-60-66-75

CARTUCHOS DE RECAMBIO	
Ref.	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPS25VQH	10-12-14-15-17-19-21-25
VMFBPS35VQH	21-25-30-32-35-38
VMFBPS45VQH	35-42-45-50-57-60-66-75

BOMBA PALHETAS VMFBPSVSH / VANE PUMP VMFBPSVSH / BOMBA PALETA VMFBPSVSH

BOMBAS SIMPLES		CARTUCHOS DE RECAMBIO	
Ref.	Caudal (g.p.m. x 1200 r.p.m.)	Ref.	Caudal (g.p.m. x 1200 r.p.m.)
VMFBPS25VSH	10-12-14-15-17-19-21-25	VMFBPS25VSH	10-12-14-15-17-19-21-25
VMFBPS35VSH	21-25-30-32-35-38	VMFBPS35VSH	21-25-30-32-35-38
VMFBPS45VSH	35-42-45-50-57-60-66-75	VMFBPS45VSH	35-42-45-50-57-60-66-75

BOMBAS MANUAIS
HAND PUMPS
BOMBAS MANUALES

BOMBAS MANUAIS S/E DUPLA EMBOLADA / S/A HAND PUMPS DOUBLE ACTING FUNTION / BOMBAS MANUALES S/E DOBLE EMBOLADA /

Ref.	(cm³)	
VMFPM12S00	12	380
VMFPM25S00	25	350
VMFPM45S00	45	280

BOMBAS MANUAIS D/E DUPLA EMBOLADA / D/A HAND PUMPS DOUBLE ACTING FUNTION / BOMBAS MANUALES D/E DOBLE EMBOLADA /

Ref.	(cm³)	
VMFPMI12S00	12	380
VMFPMI25S00	25	350
VMFPMI45S00	45	280

DEPÓSITOS BOMBAS MANUAIS / TANKS FOR HAND PUMPS / DEPÓSITOS BOMBAS MANUALES

Ref.	Volum.
VMFPM216001	1
VMFPM216002	2
VMFPM216003	3
VMFPM216005	5
VMFPM216007	7
VMFPM216010	10

BOMBAS MANUAIS S/E COM DEPÓSITO REDONDO, DUPLA EMBOLADA / S/A HAND PUMPS WITH ROUND TANK DOUBLE ACTING FUNTION / BOMBAS MANUALES S/E CON DEPÓSITO REDONDO, DOBLE EMBOLADA

Ref.	Volum.	(cm³)
VMFPMWCT124	4	12
VMFPMWCT184	4	18
VMFPMWCT254	4	25

MULTIPLICADORES E EMBRAIAGEM
PUMP GEARBOXES AND CLUTCHES
MULTIPLICADORES Y EMBRAGUES

MULTIPLICADORES / PUMP GEARBOXES / MULTIPLICADORES

MULTIPLICADORES BOMBA SAÍDA MACHO REL. 1/3,5
PUMP GEARBOXES MALE PORT RATIO 1/3,5
MULTIPLICADORES BOMBA SALIDA MACHO REL. 1/3,5

Ref.	Type	In
HID020001	GR 2	GR 2
HID020003	GR 3	GR 3

MULTIPLICADORES BOMBA SAÍDA FÉMEA REL. 1/3,4
PUMP GEARBOXES FEMALE PORT RATIO 1/3,4
MULTIPLICADORES BOMBA SALIDA HEMBRA REL. 1/3,4

Ref.	Type	In
HID020002	GR 2	GR 2
HID020004	GR 3	GR 3

MULTIPLICADORES BOMBA SAÍDA LIGAÇÃO RÁPIDA REL. 1/3,4
PUMP GEARBOXES QUICK RELEASE PORT RATIO 1/3,4
MULTIPLICADORES BOMBA SALIDA ENCHUFE RÁPIDO REL. 1/3,4

Ref.	Type	In
HID050001	GR 2	GR 2
HID050002	GR 3	GR 3

EMBRAIAGEM MANUAL / HAND MECHANICAL CLUTCHES / EMBRAGUES MANUALES

Ref.	Type	In
HID040001	GR 2/3	GR 2/3

ACESSÓRIOS – UNIÃO / ACCESORIES - SPLINED COUPLINGS / ACCESORIOS - UNIÓN

Ref.	Type	In
HID020005	GR2	GR2
HID020006	GR3	GR3

ACESSÓRIOS - SUPORTE POLIA VEIO CILÍNDRICO / ACCESORIES - SUPPORT CILINDRICAL SHAFT / ACCESORIOS - SOPORTE POLEA EJE CILINDRICO /

Ref.	Type	In
HID030001	GR 2	GR 2
HID030002	GR 3	GR 3

MOTORES DE ENGRANAGENS / GEAR MOTORS / MOTORES DE ENGRANAJES

GRUPO 2 REVERSÍVEL, ROSCA BSPP, FLANGE EUROPEIA, VEIO CÔNICO 1:8 / GROUP 2 REVERSIBLE, BSPP THREAD, EUROPEAN FLANGE, CON. SHAFT 1:8 / GRUPO 2 REVERSIBLE, ROSCA BSPP, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFM0202001	6,3	1/2	1/2
VMFM0202002	8,2	1/2	1/2
VMFM0202003	11,3	1/2	1/2
VMFM0202004	14	1/2	1/2
VMFM0202005	15	1/2	1/2
VMFM0202006	16	1/2	1/2
VMFM0202007	19	1/2	1/2
VMFM0202008	22,5	1/2	1/2
VMFM0202009	25	1/2	1/2
VMFM0202010	27,9	1/2	1/2

GRUPO 2 REVERSÍVEL, SAÍDAS POR FLANGE, FLANGE EUROPEIA, VEIO CÔNICO 1:8 / GROUP 2 REVERSIBLE, FLANGE PORTS, EUROPEAN FLANGE, CON. SHAFT 1:8 / GRUPO 2 REVERSIBLE, SALIDAS POR BRIDA, BRIDA EUROPEA, EJE CÓNICO 1:8

Ref.	(cm³)	In	Out
VMFM0202020	6,3	30	30
VMFM0202021	8,2	40	40
VMFM0202022	11,3	40	40
VMFM0202023	14	40	40
VMFM0202024	15	40	40
VMFM0202025	16	40	40
VMFM0202026	19	40	40
VMFM0202027	22,5	40	40
VMFM0202028	25	40	40
VMFM0202029	27,9	40	40

MOTORES ORBITROL / ORBITAL MOTORS / MOTORES ORBITALES

ORBITROL SERIE VNKM SAÍDA LATERAL / *ORBITALS SERIES VNKM SIDE PORT* / ORBITALES SERIE VNKM SALIDA LATERAL

Ref.	Type	(cm³)
VMF020001	VMFM8	8
VMF020003	VMFM12	12,5
VMF020005	VMFM20	20
VMF020007	VMFM32	32
VMF020008.1	VMFM40	40
VMF020009	VMFM50	50

ORBITROL SERIE VNKM SAÍDA POSTERIOR / *ORBITALS SERIES VNKM BACK PORT* / ORBITALES SERIE VNKM SALIDA POSTERIOR

Ref.	Type	(cm³)
VMF020002	VMFM8	8
VMF020004	VMFM12	12,5
VMF020006	VMFM20	20
VMF020008	VMFM32	32
VMF020008.2	VMFM40	40
VMF020010	VMFM50	50

ORBITROL SERIE VNKP (25 mm) / *ORBITALS SERIES VNKP (25 mm)* / ORBITALES SERIE VNKP (25 mm)

Ref.	Type	(cm³)
VMF020103	VMFP36	36
VMF020104	VMFP50	50
VMF020105	VMFP80	80
VMF020106	VMFP100	100
VMF020107	VMFP125	125

Ref.	Type	(cm³)
VMF020108	VMFP160	160
VMF020109	VMFP200	200
VMF020110	VMFP250	250
VMF020111	VMFP315	315
VMF020112	VMFP400	400

ORBITROL SERIE VNKP (VEIO ESTRIADO 25 mm) / *ORBITALS SERIES VNKP (25 mm SPLINED SHAFT)* / ORBITALES SERIE VNKP (EJE ESTRIADO 25 mm)

Ref.	Type	(cm³)
VMF020801	VMFP50	50
VMF020802	VMFP80	80
VMF020803	VMFP100	100
VMF020804	VMFP125	125
VMF020805	VMFP160	160

Ref.	Type	(cm³)
VMF020806	VMFP200	200
VMF020807	VMFP250	250
VMF020808	VMFP315	315
VMF020809	VMFP400	400

ORBITROL SERIE VNKP (32 mm) / *ORBITALS SERIES VNKP (32 mm)* / ORBITALES SERIE VNKP (32 mm)

Ref.	Type	(cm³)
VMF020602	VMFP50	50
VMF020603	VMFP80	80
VMF020604	VMFP100	100
VMF020605	VMFP125	125
VMF020606	VMFP160	160

Ref.	Type	(cm³)
VMF020607	VMFP200	200
VMF020608	VMFP250	250
VMF020609	VMFP315	315
VMF020610	VMFP375	375

ORBITROL SERIE VNKPK (25 mm) / *ORBITALS SERIES VNKPK (25 mm)* / ORBITALES SERIE VNKPK (25 mm)

Ref.	Type	(cm³)
VMF021001	VMFPK36	36
VMF021002	VMFPK50	50
VMF021003	VMFPK80	80
VMF021004	VMFPK100	100
VMF021005	VMFPK125	125

Ref.	Type	(cm³)
VMF021006	VMFPK160	160
VMF021007	VMFPK200	200
VMF021008	VMFPK250	250
VMF021009	VMFPK315	315
VMF021010	VMFPK400	400

ORBITROL SERIE VNKR (25 mm) / *ORBITALS SERIES VNKR (25 mm)* / ORBITALES SERIE VNKR (25 mm)

Ref.	Type	(cm³)
VMF020201	VMFR50	50
VMF020202	VMFR80	80
VMF020203	VMFR100	100
VMF020204	VMFR125	125
VMF020205	VMFR160	160

Ref.	Type	(cm³)
VMF020206	VMFR200	200
VMF020207	VMFR250	250
VMF020208	VMFR315	315
VMF020209	VMFR375	375

ORBITROL SERIE VNKR (VEIO ESTRIADO 25 mm) / *ORBITALS SERIES VNKR (25 mm SPLINED SHAFT)* / ORBITALES SERIE VNKR (EJE ESTRIADO 25 mm)

Ref.	Type	(cm³)
VMF020901	VMFR50	50
VMF020902	VMFR80	80
VMF020903	VMFR100	100
VMF020904	VMFR125	125
VMF020905	VMFR160	160

Ref.	Type	(cm³)
VMF020906	VMFR200	200
VMF020907	VMFR250	250
VMF020908	VMFR315	315
VMF020909	VMFR375	375

ORBITROL SERIE VNKR (32 mm) / *ORBITALS SERIES VNKR (32 mm)* / ORBITALES SERIE VNKR (32 mm)

Ref.	Type	(cm³)
VMF020701	VMFR50	50
VMF020702	VMFR80	80
VMF020703	VMFR100	100
VMF020704	VMFR125	125
VMF020705	VMFR160	160

Ref.	Type	(cm³)
VMF020706	VMFR200	200
VMF020707	VMFR250	250
VMF020708	VMFR315	315
VMF020709	VMFR375	375

ORBITROL SERIE VNKRK (25 mm) / *ORBITALS SERIES VNKRK (25 mm)* / ORBITALES SERIE VNKRK (25 mm)

Ref.	Type	(cm³)
VMF021101	VMFRK50	50
VMF021102	VMFRK80	80
VMF021103	VMFRK100	100
VMF021104	VMFRK125	125
VMF021105	VMFRK160	160

Ref.	Type	(cm³)
VMF021106	VMFRK200	200
VMF021107	VMFRK250	250
VMF021108	VMFRK315	315
VMF021109	VMFRK375	375

ORBITROL SERIE VNKR-ZD01 COM TRAVÃO / *ORBITALS SERIES VNKR-ZD01 WITH BRAKE* / ORBITALES SERIE VNKR-ZD01 CON FRENO

Ref.	Type	(cm³)
VMF021201	VMFR-ZD01-50	50
VMF021202	VMFR-ZD01-80	80
VMF021203	VMFR-ZD01-100	100
VMF021204	VMFR-ZD01-125	125
VMF021205	VMFR-ZD01-160	160

Ref.	Type	(cm³)
VMF021206	VMFR-ZD01-200	200
VMF021207	VMFR-ZD01-250	250
VMF021208	VMFR-ZD01-315	315
VMF021209	VMFR-ZD01-375	375

ORBITROL SERIE VNKS PLUS (32 mm) / *ORBITALS SERIES VNKS PLUS (32 mm)* / ORBITALES SERIE VNKS PLUS (32 mm)

Ref.	Type	(cm³)
VMF020301	VMFS80	80
VMF020302	VMFS100	100
VMF020303	VMFS125	125
VMF020304	VMFS160	160

Ref.	Type	(cm³)
VMF020305	VMFS200	200
VMF020306	VMFS250	250
VMF020307	VMFS315	315
VMF020309	VMFS400	400

ORBITROL SERIE VNKT (40 mm) / *ORBITALS SERIES VNKT (40 mm)* / ORBITALES SERIE VNKT (40 mm)

Ref.	Type	(cm³)
VMF020400	VMFT160	160
VMF020401	VMFT200	200
VMF020402	VMFT250	250
VMF020403	VMFT315	315

Ref.	Type	(cm³)
VMF020404	VMFT400	400
VMF020405	VMFT500	500
VMF020406	VMFT630	630
VMF020407	VMFT800	800

ORBITROL SERIE VNKV (50 mm) / *ORBITALS SERIES VNKV (50 mm)* / ORBITALES SERIE VNKV (50 mm)

Ref.	Type	(cm³)
VMF020501	VMFV315	315
VMF020502	VMFV400	400
VMF020503	VMFV500	500

Ref.	Type	(cm³)
VMF020504	VMFV630	630
VMF020505	VMFV800	800
VMF020506	VMFV1000	1.000

KIT DE JUNTAS / SEALS KIT / KIT DE JUNTAS

Ref.	Type	∅
VMF030000	VMFM	16
VMF030001	VMFP	25
VMF030002	VMFR	25
VMF030003	VMFS	32
VMF030004	VMFT	40
VMF030005	VMFV	50

FLANGE VMF M / VMF M FLANGE / BRIDA VMF M

Ref.	Type
VMF020000	FLM

/ VÁLVULAS E COMANDOS

VALVES AND COMMANDS / VÁLVULAS Y COMANDOS

VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

PLACAS CETOP / CETOP SUBPLATES / PLACAS CETOP

PLACAS BASE SEM LIMITADORA SAÍDAS LATERAIS / SUBPLATES WITHOUT RELIEF VALVE SIDE PORTS / PLACAS BASE SIN LIMITADORA SALIDAS LATERALES

Ref.	Type		
VMFBL0001	CETOP 3 (NG6)	3/8	350
VMFBL0002	CETOP 5 (NG10)	1/2	350
VMFBL0003	CETOP 5 (NG10)	3/4	350
VMFBL0003.1	CETOP 7 (NG16)	1"	350

PLACAS BASE SEM LIMITADORA SAÍDAS POSTERIORES / SUBPLATES WITHOUT RELIEF VALVE BACK PORTS / PLACAS BASE SIN LIMITADORA SALIDAS POSTERIORES

Ref.	Type		
VMFBL0004	CETOP 3 (NG6)	3/8	350
VMFBL0005	CETOP 5 (NG10)	3/4	350

PLACAS BASE COM LIMITADORA ABPT + PT POSTERIOR / SUBPLATES WITH RELIEF VALVE ABPT + PT BACK PORT / PLACAS BASE CON LIMITADORA ABPT + PT POSTERIOR

Ref.	Type		Rang.	
VMFBL0010	CETOP 3 (NG6)	3/8	50...250	280

PLACAS BASE COM LIMITADORA A B LATERAL P T POSTERIOR / SUBPLATES WITH RELIEF VALVE A B SIDE PORT P T BACK PORT / PLACAS BASE CON LIMITADORA A B LATERAL P T POSTERIOR

Ref.	Type		Rang.	
VMFBL0011	CETOP 5 (NG10)	3/4	50...250	280
VMFBL0012	CETOP 7 (NG16)	1"1/4	50...250	280
VMFBL0013	CETOP 8 (NG25)	1"1/2	50...250	280

PLACAS INTERMEDIAS COM TOMADA DE PRESSÃO / INTERMEDIATE SUBPLATES / PLACAS INTERMEDIAS CON TOMA DE PRESIÓN

Ref.	Type		
VMFBL0015	CETOP 3 (NG6) A-B 3/8	3/8	350
VMFBL0016	CETOP 3 (NG6) P-T 3/8	3/8	350
VMFBL0017	CETOP 5 (NG10) A-B 3/8	3/8	350
VMFBL0018	CETOP 5 (NG10) P-T 3/8	3/8	350

PLACAS INTERMEDIAS COM TOMADA PRESOSTATO / INTERMEDIATE SUBPLATES WITH PRESSURE SWITCH CONNEXION / PLACAS INTERMEDIAS CON TOMA PRESOSTATO

Ref.	Type
VMF010303	CETOP3 (NG6) A
VMF010304	CETOP3 (NG6) B
VMF010305	CETOP5 (NG10) A
VMF010306	CETOP5(NG10) B
VMF010307	CETOP3 (NG6) P
VMF010308	CETOP5 (NG10) P

PLACAS CETOP
CETOP SUBPLATES
PLACAS CETOP

PLACAS CEGA COM JUNTAS / END SUBPLATES WITH O-RINGS / PLACAS CIEGA CON JUNTAS

Ref.	Type	
VMFBL0020	CETOP 3 (NG6)	350
VMFBL0021	CETOP 3 (NG-6) PA-BT	350
VMFBL0022	CETOP 5 (NG10)	350
VMFBL0023	CETOP 7 (NG-16)	350
VMFBL0024	CETOP 8 (NG-25)	350

PLACAS CONVERSÃO / REDUCTION PLATE / PLACAS CONVERSIÓN

Ref.	Type	
VMFBL1101	NG-10/NG-6	350
VMFBL1102	NG-16/NG-10	350
VMFBL1103	NG-25/NG-16	350

PLACAS BASE PRESOSTATO / PRESSURE SWITCH SUBPLATES / PLACAS BASE PRESOSTATO

Ref.	Type
VMF010301	Toma M 1/4
VMF010302	Toma H-1/4

BLOCOS CETOP
CETOP MANIFOLDS
BLOQUES CETOP

BLOCOS ALUMÍNIO CETOP 3 (NG6) SEM LIMITADORA EM PARALELO / CETOP 3 (NG6) ALUMINIUM MANIFOLDS WITHOUT RELIEF VALVE IN PARALLEL / BLOQUES ALUMINIO CETOP 3 (NG6) SIN LIMITADORA EN PARALELO

Ref.			Elem. Nr.	
VMFBL0030	P T 1/2	A B 3/8	2	280
VMFBL0031	P T 1/2	A B 3/8	3	280
VMFBL0032	P T 1/2	A B 3/8	4	280
VMFBL0033	P T 1/2	A B 3/8	5	280
VMFBL0034	P T 1/2	A B 3/8	6	280
VMFBL0035	P T 1/2	A B 3/8	7	280
VMFBL0036	P T 1/2	A B 3/8	8	280
VMFBL0037	P T 1/2	A B 3/8	9	280
VMFBL0038	P T 1/2	A B 3/8	10	280

BLOCOS CETOP
CETOP MANIFOLDS
BLOQUES CETOP

BLOCOS ALUMÍNIO CETOP 3 (NG6) SEM LIMITADORA EM SERIE / CETOP 3 (NG6) ALUMINIUM MANIFOLDS WITHOUT RELIEF VALVE IN SERIES / BLOQUES ALUMINIO CETOP 3 (NG6) SIN LIMITADORA EN SERIE

Ref.			Elem. Nr.	
VMFBL0040	P T 1/2	A B 3/8	2	280
VMFBL0041	P T 1/2	A B 3/8	3	280
VMFBL0042	P T 1/2	A B 3/8	4	280
VMFBL0043	P T 1/2	A B 3/8	5	280
VMFBL0043.1	P T 1/2	A B 3/8	6	280
VMFBL0043.2	P T 1/2	A B 3/8	7	280
VMFBL0043.3	P T 1/2	A B 3/8	8	280

BLOCOS AÇO CETOP 5 (NG10) SEM LIMITADORA 1/2 EM PARALELO / CETOP 5 (NG10) STEEL MANIFOLDS WITHOUT RELIEF VALVE 1/2 IN PARALLEL / BLOQUES ACERO CETOP 5 (NG10) SIN LIMITADORA 1/2 EN PARALELO

Ref.			Elem. Nr.	
VMFBL0044	P T 3/4	A B 1/2	2	350
VMFBL0045	P T 3/4	A B 1/2	3	350
VMFBL0046	P T 3/4	A B 1/2	4	350
VMFBL0047	P T 3/4	A B 1/2	5	350
VMFBL0048	P T 3/4	A B 1/2	6	350

BLOCOS ALUMÍNIO CETOP 3 (NG6) SEM LIMITADORA EM PARALELO TOMADA MANÓMETRO E TOMADA VENTING O "T" / CETOP 3 (NG6) ALUMINIUM MANIFOLDS WITH RELIEF VALVE IN PARALLEL WITH PRESSURE GAUGE AND VENTING CONNECTION OR T / BLOQUES ALUMINIO CETOP 3 (NG6) CON LIMITADORA EN PARALELO TOMA MANÓMETRO Y TOMA VENTING O "T"

Ref.			Elem. Nr.	Rang.	
VMFBL0061	P T 1/2	A B 3/8	2	50...250	280
VMFBL0062	P T 1/2	A B 3/8	3	50...250	280
VMFBL0063	P T 1/2	A B 3/8	4	50...250	280
VMFBL0064	P T 1/2	A B 3/8	5	50...250	280
VMFBL0065	P T 1/2	A B 3/8	6	50...250	280
VMFBL0066	P T 1/2	A B 3/8	7	50...250	280
VMFBL0067	P T 1/2	A B 3/8	8	50...250	280
VMFBL0068	P T 1/2	A B 3/8	9	50...250	280
VMFBL0069	P T 1/2	A B 3/8	10	50...250	280

BLOCOS ALUMÍNIO CETOP 3 (NG6) SEM LIMITADORA EM SERIE TOMADA MANÓMETRO / CETOP 3 (NG6) ALUMINIUM MANIFOLDS WITH RELIEF VALVE IN SERIES AND PRESSURE GAUGE CONNECTION / BLOQUES ALUMINIO CETOP 3 (NG6) CON LIMITADORA EN SERIE TOMA MANÓMETRO

Ref.			Elem. Nr.	Rang.	
VMFBL0025	P T 1/2	A B 3/8	2	50...250	280
VMFBL0026	P T 1/2	A B 3/8	3	50...250	280
VMFBL0027	P T 1/2	A B 3/8	4	50...250	280
VMFBL0028	P T 1/2	A B 3/8	5	50...250	280
VMFBL0029	P T 1/2	A B 3/8	6	50...250	280
VMFBL0029.1	P T 1/2	A B 3/8	7	50...250	280
VMFBL0029.2	P T 1/2	A B 3/8	8	50...250	280

BLOCOS CETOP
CETOP MANIFOLDS
BLOQUES CETOP

BLOCOS ALUMÍNIO CETOP 3 (NG6) COM LIMITADORA, TOMADA MANÓMETRO E VENTING 40 L/M / CETOP 3 (NG6) ALUMINIUM MANIFOLDS WITH RELIEF VALVE, PRESSURE GAUGE CONNECTION AND VENTING 40 L/M / BLOQUES ALUMINIO CETOP 3 (NG6) CON LIMITADORA, TOMA MANÓMETRO Y VENTING 40 L/M /

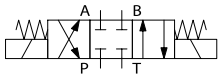
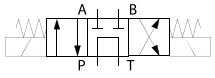
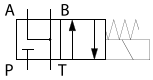
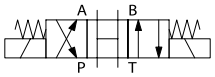
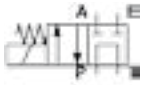
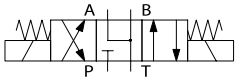
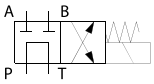
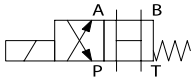
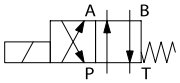
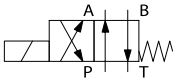
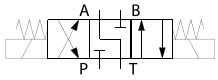
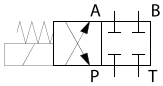
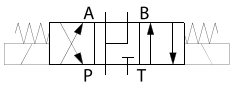
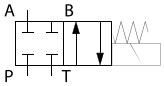
Ref.			Elem. Nr.	Rang.		Volt.
VMFBL0070	P T 1/2	A B 3/8	2	50...250	280	12 dc
VMFBL0071	P T 1/2	A B 3/8	2	50...250	280	24 dc
VMFBL0072	P T 1/2	A B 3/8	2	50...250	280	220 rac
VMFBL0073	P T 1/2	A B 3/8	3	50...250	280	12 dc
VMFBL0074	P T 1/2	A B 3/8	3	50...250	280	24 dc
VMFBL0075	P T 1/2	A B 3/8	3	50...250	280	220 rac
VMFBL0076	P T 1/2	A B 3/8	4	50...250	280	12 dc
VMFBL0077	P T 1/2	A B 3/8	4	50...250	280	24 dc
VMFBL0078	P T 1/2	A B 3/8	4	50...250	280	220 rac
VMFBL0079	P T 1/2	A B 3/8	5	50...250	280	12 dc
VMFBL0080	P T 1/2	A B 3/8	5	50...250	280	24 dc
VMFBL0081	P T 1/2	A B 3/8	5	50...250	280	220 rac
VMFBL0082	P T 1/2	A B 3/8	6	50...250	280	12 dc
VMFBL0083	P T 1/2	A B 3/8	6	50...250	280	24 dc
VMFBL0084	P T 1/2	A B 3/8	6	50...250	280	220 rac
VMFBL0085	P T 1/2	A B 3/8	7	50...250	280	12 dc
VMFBL0086	P T 1/2	A B 3/8	7	50...250	280	24 dc
VMFBL0087	P T 1/2	A B 3/8	7	50...250	280	220 rac
VMFBL0088	P T 1/2	A B 3/8	8	50...250	280	12 dc
VMFBL0089	P T 1/2	A B 3/8	8	50...250	280	24 dc
VMFBL0090	P T 1/2	A B 3/8	8	50...250	280	220 rac
VMFBL0091	P T 1/2	A B 3/8	9	50...250	280	12 dc
VMFBL0092	P T 1/2	A B 3/8	9	50...250	280	24 dc
VMFBL0093	P T 1/2	A B 3/8	9	50...250	280	220 rac
VMFBL0094	P T 1/2	A B 3/8	10	50...250	280	12 dc
VMFBL0095	P T 1/2	A B 3/8	10	50...250	280	24 dc
VMFBL0096	P T 1/2	A B 3/8	10	50...250	280	220 rac

BLOCOS CETOP 5 (NG10) COM LIMITADORA EM PARALELO 3/4 / CETOP 5 (NG10) MANIFOLDS WITH RELIEF VALVE IN PARALLEL 3/4 / BLOQUES CETOP 5 (NG10) CON LIMITADORA EN PARALELO 3/4

Ref.			Elem. Nr.	Rang.	
VMFBL0098	P T 3/4	A B 1/2	2	50...250	280
VMFBL0099	P T 3/4	A B 1/2	3	50...250	280
VMFBL0100	P T 3/4	A B 1/2	4	50...250	280
VMFBL0101	P T 3/4	A B 1/2	5	50...250	280
VMFBL0102	P T 3/4	A B 1/2	6	50...250	280

ELECTROVÁLVULAS CETOP
CETOP SOLENOIDS
ELECTROVÁLVULAS CETOP

CETOP 3 (NG-6) P. MAX BAR 315 80 l/min. / CETOP 3 (NG-6) MAX. P 315 BAR 80 l/min. / CETOP 3 (NG-6) P. MAX BAR 315 80 l/min.

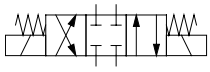
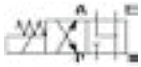
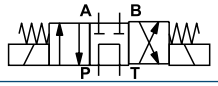
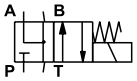
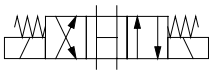
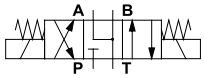
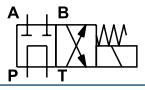
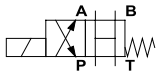
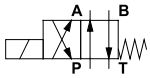
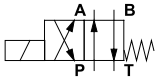
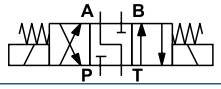
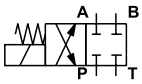
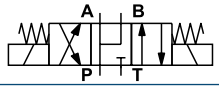
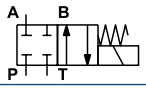
4VNKSV-6					
E-6		JA-6		G-6	
JB-6		H-6		GA-6	
J-6		GB-6		HA-6	
D-6		C-6		L-6	
EA-6		M-6		EB-6	
P-6		HB-6			

Ref.	Type	Q (l/min.)	Volt.
VMFEV06001	E-6	80	24 dc
VMFEV06002	E-6	80	12 dc
VMFEV06003	E-6	80	220 ac
VMFEV06004	G-6	80	24 dc
VMFEV06005	G-6	80	12 dc
VMFEV06006	G-6	80	220 ac
VMFEV06007	H-6	80	220 ac
VMFEV06008	H-6	80	24 dc
VMFEV06009	H-6	80	24 dc
VMFEV06010	J-6	80	220 ac
VMFEV06011	J-6	80	24 dc
VMFEV06012	J-6	80	12 dc
VMFEV06013	HA-6	80	220 ac
VMFEV06014	HA-6	80	24 dc
VMFEV06015	HA-6	80	12 dc
VMFEV06016	C-6	80	220ac
VMFEV06017	C-6	80	24 dc
VMFEV06018	C-6	80	12 dc
VMFEV06023	EA-6	80	220 ac
VMFEV06024	EA-6	80	24 dc
VMFEV06025	EA-6	80	12 dc
VMFEV06027	EB-6	80	24 dc
VMFEV06028	EB-6	80	12 dc
VMFEV06029	EB-6	80	220 ac
VMFEV06030	HB-6	80	24 dc
VMFEV06031	HB-6	80	12 dc

Ref.	Type	Q (l/min.)	Volt.
VMFEV06032	HB-6	80	220 ac
VMFEV06033	JA-6	80	24 dc
VMFEV06034	JA-6	80	12 dc
VMFEV06035	JA-6	80	220 ac
VMFEV06036	JB-6	80	24 dc
VMFEV06037	JB-6	80	12 dc
VMFEV06038	JB-6	80	220 ac
VMFEV06039	GA-6	80	24 dc
VMFEV06040	GA-6	80	12 dc
VMFEV06041	GA-6	80	220 ac
VMFEV06042	GB-6	80	24 dc
VMFEV06043	GB-6	80	12 dc
VMFEV06043.1	GB-6	80	220 ac
VMFEV06044	D-6	80	220 ac
VMFEV06045	D-6	80	24 dc
VMFEV06046	D-6	80	12 dc
VMFEV06047	L-6	80	12 dc
VMFEV06048	L-6	80	24 dc
VMFEV06049	L-6	80	220 ac
VMFEV06051	M-6	80	12 dc
VMFEV06052	M-6	80	24 dc
VMFEV06053	M-6	80	220 ac
VMFEV06054	P-6	80	12 dc
VMFEV06055	P-6	80	24 dc
VMFEV06056	P-6	80	220 ac

ELECTROVÁLVULAS CETOP
CETOP SOLENOIDS
ELECTROVÁLVULAS CETOP

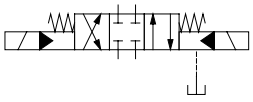
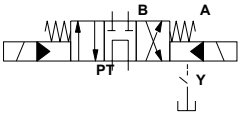
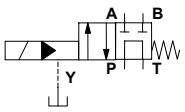
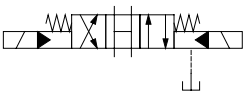
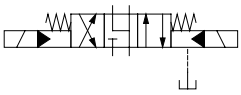
CETOP 5 (NG-10) P.MAX 315 BAR 160 l/min. / CETOP 5 (NG-10) MAX. P 315 BAR 160 l/min. / CETOP 5 (NG-10) P.MAX 315 BAR 160 l/min.

4VNKSV-10					
E-10		JA-10		G-10	
JB-10		H-10		GA-10	
J-10		GB-10		HA-10	
D-10		C-10		L-10	
EA-10		M-10		EB-10	
P-10		HB-10			

Ref.	Type	Q (l/min.)	Volt.
VMFEV10001	HA-10	160	220 ac
VMFEV10002	HA-10	160	24 dc
VMFEV10003	HA-10	160	12 dc
VMFEV10004	C-10	160	220 ac
VMFEV10005	C-10	160	24 dc
VMFEV10006	C-10	160	12 dc
VMFEV10007	E-10	160	24 dc
VMFEV10008	E-10	160	12 dc
VMFEV10009	E-10	160	220 ac
VMFEV10010	G-10	160	24 dc
VMFEV10011	G-10	160	12 dc
VMFEV10012	G-10	160	220 ac
VMFEV10013	H-10	160	220 ac
VMFEV10014	H-10	160	24 dc
VMFEV10015	H-10	160	12 dc
VMFEV10016	J-10	160	220 ac
VMFEV10017	J-10	160	24 dc
VMFEV10018	J-10	160	12 dc
VMFEV10019	GA-10	160	12 dc
VMFEV10020	GA-10	160	24 dc
VMFEV10021	GA-10	160	220 ac
VMFEV10022	L-10	160	12 dc
VMFEV10024	L-10	160	24 dc
VMFEV10025	L-10	160	220 ac
VMFEV10026	M-10	160	12 dc
VMFEV10027	M-10	160	24 dc

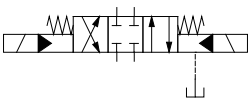
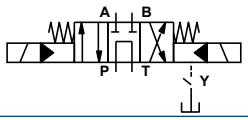
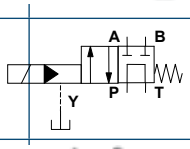
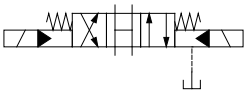
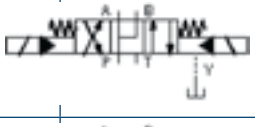
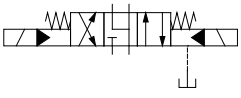
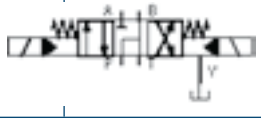
Ref.	Type	Q (l/min.)	Volt.
VMFEV10028	M-10	160	220 ac
VMFEV10029	P-10	160	12 dc
VMFEV10030	P-10	160	24 dc
VMFEV10031	P-10	160	220 ac
VMFEV10032	EA-10	160	220 ac
VMFEV10033	EA-10	160	24 dc
VMFEV10034	EA-10	160	12 dc
VMFEV10035	EB-10	160	24 dc
VMFEV10036	EB-10	160	12 dc
VMFEV10037	EB-10	160	220 ac
VMFEV10038	GB-10	160	220 ac
VMFEV10039	GB-10	160	24 dc
VMFEV10040	GB-10	160	12 dc
VMFEV10041	HB-10	160	24 dc
VMFEV10042	HB-10	160	12 dc
VMFEV10043	HB-10	160	220 ac
VMFEV10044	JA-10	160	24 dc
VMFEV10045	JA-10	160	12 dc
VMFEV10046	JA-10	160	220 ac
VMFEV10047	JB-10	160	24 dc
VMFEV10048	JB-10	160	12 dc
VMFEV10049	JB-10	160	220 ac
VMFEV10050	D-10	160	220 ac
VMFEV10051	D-10	160	24 dc
VMFEV10052	D-10	160	12 dc

CETOP 7 (NG16) P. MAX. 315 BAR 300 l/min. /
CETOP 7 (NG16) P. MAX. 315 BAR 300 l/min. /
CETOP 7 (NG16) P. MAX. 315 BAR 300 l/min.

4NKEH-S-16			
E-16		L-16	
G-16		GA-16	
H-16		M-16	
J-16		P-16	

Ref.	Type	Q (l/min.)€	Volt.
VMFDT16001	E-16	300	24 dc
VMFDT16002	G-16	300	24 dc
VMFDT16003	H-16	300	24 dc
VMFDT16004	J-16	300	24 dc
VMFDT16005	L-16	300	24 dc
VMFDT16006	GA-16	300	24 dc
VMFDT16007	M-16	300	24 dc
VMFDT16008	P-16	300	24 dc

CETOP 8 (NG-25) P. MAX. 315 BAR 500 l/min. /
CETOP 8 (NG-25) P. MAX. 315 BAR 500 l/min. /
CETOP 8 (NG-25) P. MAX. 315 BAR 500 l/min.

4NKEH-S-25			
E-25		L-25	
G-25		GA-25	
H-25		M-25	
J-25		P-25	

Ref.	Type	Q (l/min.)	Volt.
VMFDT25001	E-25	500	24 dc
VMFDT25002	G-25	500	24 dc
VMFDT25003	H-25	500	24 dc
VMFDT25004	J-25	500	24 dc
VMFDT25005	L-25	500	24 dc
VMFDT25006	GA-25	500	24 dc
VMFDT25007	M-25	500	24 dc
VMFDT25008	P-25	500	24 dc

VÁLVULAS MODULARES CETOP
CETOP MODULAR VALVES
VÁLVULAS MODULARES CETOP

REGULADORAS FLUXO CETOP / CETOP FLOW REGULATOR / REGULADORAS CAUDAL CETOP

Ref.	Type	Q (l/min.)
VMFRC06000	CETOP 3 (NG-6) P	35
VMFRC06001	CETOP 3 (NG-6) A-B	35
VMFRC06002	CETOP 3 (NG-6) A	35
VMFRC06003	CETOP 3 (NG-6) B	35
VMFRC10000	CETOP 5 (NG-10) P	70
VMFRC10001	CETOP 5 (NG-10) A-B	70
VMFRC10002	CETOP 5 (NG-10) A	70
VMFRC10003	CETOP 5 (NG-10) B	70

LIMITADORAS CETOP / CETOP RELIEF VALVES / LIMITADORAS CETOP

Ref.	Type	Q (l/min.)		Rang.
VMFLM06001	CETOP 3 (NG-6) A-T B-T	35	315	70...250
VMFLM06002	CETOP 3 (NG-6) P-T	35	315	70...250
VMFLM06004	CETOP 3 (NG-6) B-T	35	315	70...250
VMFLM06005	CETOP 3 (NG-6) "B"	35	315	8...70
VMFLM06007	CETOP 3 (NG-6) A-B B-A	35	315	70...250
VMFLM06008	CETOP3 (NG-6) AT-B-T	35	315	70...250
VMFLM10001	CETOP 5 (NG-10) A-T B-T	70	315	70...250
VMFLM10002	CETOP 5 (NG-10) A-T	70	315	70...250
VMFLM10003	CETOP 5 (NG-10) B-T	70	315	70...250
VMFLM10004	CETOP 5 (NG-10) A-B B-A	70	315	70...250
VMFLM10005	CETOP5 (NG-10) AT-B-T	70	315	70...250

REDUTORAS PRESSÃO CETOP / CETOP PRESSURE REDUCING / REDUCTORAS PRESIÓN CETOP

Ref.	Type	Q (l/min.)		Rang.
VMFRD06001	CETOP 3 (NG-6) P	35	210	8...70
VMFRD06002	CETOP 3 (NG-6) P	35	210	35...140
VMFRD06004	CETOP 3 (NG-6) A	35	210	8...70
VMFRD06005	CETOP 3 (NG-6) A	35	210	35...140
VMFRD06007	CETOP 3 (NG-6) B	35	210	8...70
VMFRD06008	CETOP 3 (NG-6) B	35	210	35...140
VMFRD10001	CETOP 5 (NG-10) P	70	210	8...70
VMFRD10002	CETOP 5 (NG-10) P	70	210	35...140
VMFRD10003	CETOP 5 (NG-10) A	70	210	8...70
VMFRD10004	CETOP 5 (NG-10) A	70	210	35...140
VMFRD10005	CETOP 5 (NG-10) B	70	210	8...70
VMFRD10006	CETOP 5 (NG-10) B	70	210	35...140

OVERCENTER SIMPLES CETOP-3 (NG-6) 350 BAR / CETOP-3 NG-6 SINGLE OVERCENTER 350 BAR / OVERCENTER SIMPLE CETOP-3 (NG-6) 350 BAR

Ref.	Type	Q (l/min.)	Rang.	In
HOR54OVC00027	OVCSEFC3A01	35	20...200	A
HOR54OVC00028	OVCSEFC3A02	35	35...350	A
HOR54OVC00029	OVCSEFC3B01	35	20...200	B
HOR54OVC00030	OVCSEFC3B02	35	35...350	B

VÁLVULAS MODULARES CETOP
CETOP MODULAR VALVES
VÁLVULAS MODULARES CETOP

OVERCENTER SIMPLES CETOP-5 (NG-10) 350 BAR / NG-10 SINGLE LOAD CONTROL VAL. CETOP-5 (350 BAR) / OVERCENTER SIMPLE CETOP-5 (NG-10) 350 BAR /

Ref.	Type	Q (l/min.)	Rang.	In
HOR540003.8	OVCSEFC501	80	20...200	A
HOR540003.9	OVCSEFC502	80	35...350	A
HOR540003.10	OVCSEFC5B01	80	20...200	B
HOR540003.11	OVCSEFC5B02	80	35...350	B

OVERCENTER DUPLO CETOP-3 (NG-6) 350 BAR / DOUBLE LOAD CONTROL VALVE CETOP-3 (NG-6) 350 BAR / OVERCENTER DOBLE CETOP-3 (NG-6) 350 BAR /

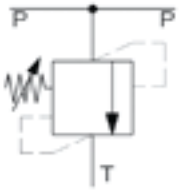
Ref.	Type	Q (l/min.)	Rang.
HOR540003.1	OVCDEFC3A01	35	20...200
HOR540003	OVCDEFC3A02	35	35...350

OVERCENTER DUPLO CETOP-5 (NG-10) 350 BAR / NG-10 DOUBLE LOAD CONTROL VAL. CTOP-5 350 BAR / OVERCENTER DOBLE CETOP-5 (NG-10) 350 BAR /

Ref.	Type	Q (l/min.)	Rang.
HOR540004.1	OVCDEFC501	80	20...200
HOR540004	OVCDEFC502	80	35...350

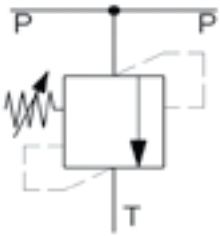
LIMITADORAS / RELIEF VALVES / LIMITADORAS

LIMITADORAS CORPO ALUMÍNIO / RELIEF VALVES ALUMINIUM BODY / LIMITADORAS CUERPO ALUMINIO



Ref.	Type	Q (l/min.)		Rang.	
HOR500001.1	VLP40L1400A	40	1/4	3...40	350
HOR500001.2	VLP40L1401A	40	1/4	20...100	350
HOR500001	VLP40L1402A	40	1/4	4...250	350
HOR500001.3	VLP40L1403A	40	1/4	60...350	350
HOR500002.1	VLP40L3800A	40	3/8	3...40	350
HOR500002.2	VLP40L3801A	40	3/8	20...100	350
HOR500002	VLP40L3802A	40	3/8	40...250	350
HOR500002.3	VLP40L3803A	40	3/8	60...350	350
HOR500003.1	VLP40L1200A	40	1/2	3...40	350
HOR500003.2	VLP40L1201A	40	1/2	20...100	350
HOR500003	VLP40L1202A	40	1/2	40...250	350
HOR500003.3	VLP40L1203A	40	1/2	60...350	350
HOR500004.1	VLP80L1201A	80	1/2	20...100	300
HOR500004	VLP80L1202A	80	1/2	40...250	300
HOR500004.2	VLP80L1203A	80	1/2	60...300	300
HOR500005.1	VLP80L3401A	80	3/4	20...100	300
HOR500005	VLP80L3402A	80	3/4	40...250	300
HOR500005.2	VLP80L3403A	80	3/4	60...300	300
HOR500005.3	VLP130L3401A	130	3/4	20...100	300
HOR500005.31	VLP130L3402A	130	3/4	40...250	300
HOR500005.4	VLP130L3403A	130	3/4	60...300	300
HOR500006.1	VLP130L1001A	130	1"	20...100	300
HOR500006	VLP130L1002A	130	1"	40...250	300
HOR500006.2	VLP130L1003A	130	1"	60...300	300
HOR500006.3	VLP200P1001A	200	1"	20...100	300
HOR500006.4	VLP200P1002A	200	1"	40...250	300
HOR500006.5	VLP200P1003A	200	1"	60...300	300

LIMITADORAS COM VOLANTE CORPO ALUMÍNIO / RELIEF VALVES WITH STEERING WHEEL ALUMINIUM BODY / LIMITADORAS CON VOLANTE CUERPO ALUMINIO



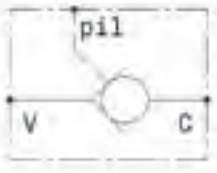
Ref.	Type	Q (l/min.)		Rang.	
HOR500201	VLP40L1400B	40	1/4	3...40	350
HOR500202	VLP40L1401B	40	1/4	20...100	350
HOR500203	VLP40L1402B	40	1/4	4...250	350
HOR500204	VLP40L1403B	40	1/4	60...350	350
HOR500205	VLP40L3800B	40	3/8	3...40	350
HOR500206	VLP40L3801B	40	3/8	20...100	350
HOR500207	VLP40L3802B	40	3/8	40...250	350
HOR500208	VLP40L3803B	40	3/8	60...350	350
HOR500209	VLP40L1200B	40	1/2	3...40	350
HOR500210	VLP40L1201B	40	1/2	20...100	350
HOR500211	VLP40L1202B	40	1/2	40...250	350
HOR500212	VLP40L1203B	40	1/2	60...350	350
HOR500213	VLP80L1201B	80	1/2	20...100	300
HOR500214	VLP80L1202B	80	1/2	40...250	300
HOR500215	VLP80L1203B	80	1/2	60...300	300
HOR500216	VLP80L3401B	80	3/4	20...100	300
HOR500217	VLP80L3402B	80	3/4	40...250	300
HOR500218	VLP80L3403B	80	3/4	60...300	300
HOR500219	VLP130L3401B	130	3/4	20...100	300
HOR500220	VLP130L3402B	130	3/4	40...250	300
HOR500221	VLP130L3403B	130	3/4	60...300	300
HOR500222	VLP130L1001B	130	1"	20...100	300
HOR500223	VLP130L1002B	130	1"	40...250	300
HOR500224	VLP130L1003B	130	1"	60...300	300
HOR500225	VLP200P1001B	200	1"	20...100	300
HOR500226	VLP200P1002B	200	1"	40...250	300

ANTIRRETORNO / CHECK VALVES / ANTIRRETORNOS

ANTIRRETORNO CORPO AÇO / CHECK VALVES STEEL BODY / ANTIRRETORNOS CUERPO ACERO

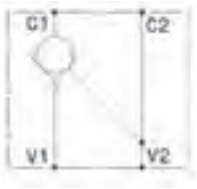
Ref.	Type	Q (l/min.)		
STU17002	VU18-5 PSI	6	1/8	400
STU17004	VU14-5 PSI	24	1/4	350
STU17006	VU38-5 PSI	46	3/8	350
STU17008	VU12-5 PSI	90	1/2	300
STU17012	VU34-5 PSI	148	3/4	300
STU17016	VU100-5 PSI	200	1"	300
STU17020	VU114-5 PSI	378	1 1/4"	250
STU17024	VU112-5 PSI	600	1 1/2"	250
STU17032	VU200-5 PSI	1.000	2"	150
STU17304	VU14-14 PSI	24	1/4	350
STU17306	VU38-14 PSI	46	3/8	350
STU17308	VU12-14 PSI	90	1/2	300
STU17312	VU34-14 PSI	148	3/4	300
STU17316	VU100-14 PSI	200	1"	300
STU17320	VU114-14 PSI	378	1 1/4"	250
STU17324	VU112-14 PSI	600	1 1/2"	250
STU17102	VU18-65 PSI	6	1/8	400
STU17104	VU14-65 PSI	24	1/4	350
STU17106	VU38-65 PSI	46	3/8	350
STU17108	VU12-65PSI	90	1/2	300
STU17112	VU34-65 PSI	148	3/4	300
STU17116	VU100-65 PSI	200	1"	300
STU17120	VU114-65 PSI	378	1"1/4	250
STU17124	VU112-65 PSI	600	1"1/2	250
STU17132	VU200-65 PSI	1.000	2"	150
STU17208	VU12-115 PSI	90	1/2	300
STU17212	VU34-115 PSI	148	3/4	300
STU17216	VU100-145 PSI	200	1"	300

ANTIRRETORNO SIMPLES PILOTAGEM EXTERNO CORPO AÇO / EXTERNAL PILOT OPERATED SINGLE CHECK VALVES STEEL BODY / ANTIRRETORNOS SIMPLE PILOTAJE EXTERNO CUERPO ACERO



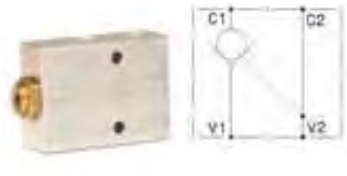
Ref.	Type	Q (l/min.)		
HOR050002	VRPE380	30	3/8	350
HOR050003	VRPE120	45	1/2	350
HOR050004	VRPE340	85	3/4	300

ANTIRRETORNO SIMPLES 90º PILOTAGEM INTERNO CORPO ALUMÍNIO / 90º EXTERNAL PILOT OPERATED SINGLE CHECK VALVES ALUMINIUM BODY / ANTIRRETORNOS SIMPLE 90º PILOTAJE INTERNO CUERPO ALUMINIO



Ref.	Type	Q (l/min.)		
HOR510011	VBS14SF	20	1/4	280
HOR510012	VBS38SF	35	3/8	280
HOR510013	VBS12SF	50	1/2	280
HOR510014	VBS34SF	80	3/4	280

ANTIRRETORNO SIMPLES RETO PILOTAGEM INTERNO CORPO ALUMÍNIO / STRAIGHT EXTERNAL PILOT OPERATED SINGLE CHECK VALVES ALUMINIUM BODY / ANTIRRETORNOS SIMPLE RECTO PILOTAJE INTERNO CUERPO ALUMINIO



Ref.	Type	Q (l/min.)		
HOR510040	VBS/L/14	20	1/4	280
HOR510041	VBS/L/38	35	3/8	280
HOR510042	VBS/L/12	50	1/2	280
HOR510043	VBS/L/34	80	3/4	280

ANTIRRETORNO DUPLA PILOTAGEM 90º CORPO AÇO / 90º DOUBLE PILOT OPERATED CHECK VALVES STEEL BODY / ANTIRRETORNOS DOBLE PILOTADO 90º CUERPO ACERO

Ref.	Type	Q (l/min.)		
HOR050101	VBPDE 1/4 L	20	1/4	350
HOR050102	VBPDE 3/8 L	35	3/8	350
HOR050103	VBPDE 1/2 L	50	1/2	350
HOR050104	VBPDE 3/4	100	3/4	300

ANTIRRETORNO DUPLA PILOTAGEM 90º CORPO ALUMÍNIO / 90º DOUBLE PILOT OPERATED CHECK VALVES ALUMINIUM BODY / ANTIRRETORNOS DOBLE PILOTADO 90º CUERPO ALUMINIO

Ref.	Type	Q (l/min.)		
HOR510002	VBD14SF	20	1/4	280
HOR510003	VBD38SF	35	3/8	280
HOR510004	VBD12SF	50	1/2	280
HOR510005	VBD34SF	80	3/4	280

ANTIRRETORNO DUPLA PILOTAGEM CORPO ALUMÍNIO / STRAIGHT DOUBLE PILOT OPERATED CHECK VALVES ALUMINIUM BODY / ANTIRRETORNOS DOBLE PILOTADO RECTO CUERPO ALUMINIO

Ref.	Type	Q (l/min.)		
HOR510030	VBD/L/14	20	1/4	280
HOR510031	VBD/L/38	35	3/8	280
HOR510032	VBD/L/12	50	1/2	280
HOR510033	VBD/L/34	80	3/4	280

REGULADORES DE CAUDAL
REGULATOR FLOW
REGULADORES DE CAUDAL

REGULADORES DE CAUDAL PINHA BIDIRECIONAL CORPO AÇO / BIDIRECTIONAL FLOW CONTROL VALVES STEEL BODY / REGULADORES DE CAUDAL PIÑA BIDIRECCIONAL CUERPO ACERO

Ref.	Type	Q (l/min.)		
HOR0801001	VBRF140	20	1/4	300
HOR0801002	VBRF380	45	3/8	300
HOR0801003	VBRF120	70	1/2	300
HOR0801004	VBRF340	110	3/4	250

REGULADORES DE CAUDAL PINHA UNIDIRECIONAL CORPO AÇO / UNIDIRECTIONAL FLOW CONTROL VALVES STEEL BODY / REGULADORES DE CAUDAL PIÑA UNIDIRECCIONAL CUERPO ACERO

Ref.	Type	Q (l/min.)		
HOR070001	VRF-1/4	20	1/4	300
HOR070002	VRF-3/8	45	3/8	300
HOR070003	VRF-1/2	70	1/2	300
HOR070004	VRF-3/4	110	3/4	250

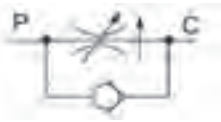
REGULADORES DE CAUDAL DE MANIPULO BIDIRECIONAL CORPO AÇO / BIDIRECTIONAL FLOW CONTROL VALVES WITH JOYSTICK STEEL BODY / REGULADORES DE CAUDAL POMO BIDIRECCIONAL CUERPO ACERO

Ref.	Type	Q (l/min.)		
VMF140008	DV-8	60	1/4	350
VMF140009	DV-10	75	3/8	350
VMF140010	DV-12	140	1/2	350
VMF140011	DV-16	175	3/4	350
VMF140012	DV-20	200	1"	350
VMF140013	DV-25	300	1"1/4	350

REGULADORES DE CAUDAL DE MANIPULO UNIDIRECIONAL CORPO AÇO / UNIDIRECTIONAL FLOW CONTROL VALVES WITH JOYSTICK STEEL BODY / REGULADORES DE CAUDAL POMO UNIDIRECCIONAL CUERPO ACERO

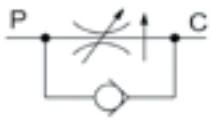
Ref.	Type	Q (l/min.)		
VMF140001	DRV-8	60	1/4	350
VMF140002	DRV-10	75	3/8	350
VMF140003	DRV-12	140	1/2	350
VMF140004	DRV-16	175	3/4	350
VMF140005	DRV-20	200	1"	350
VMF140006	DRV-25	300	1"1/4	350
VMF140007	DRV-30	400	1"1/2	350

REGULADORES DE CAUDAL 2 VÍAS COMPENSADO CORPO AÇO / 2-WAY COMPENSATED FLOW CONTROL VALVES STEEL BODY / REGULADORES DE CAUDAL 2 VÍAS COMPENSADO CUERPO ACERO



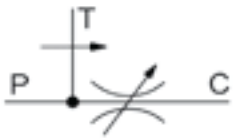
Ref.	Type	Q (l/min.)		
HOR0901001	VRC-1/4	10	1/4	250
HOR0901002	VRC-3/8	18	3/8	250
HOR0901003	VRC-1/2	33	1/2	250

REGULADORES DE CAUDAL 2 VÍAS COMPENSADO CORPO ALUMÍNIO / 2-WAY COMPENSATED FLOW CONTROL VALVES ALUMINIUM BODY / REGULADORES DE CAUDAL 2 VÍAS COMPENSADO CUERPO ALUMINIO



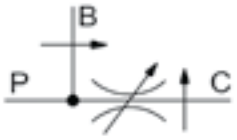
Ref.	Type	Q (l/min.)		
HOR100022	RFA2VU38A	45	3/8	270
HOR100023	RFA2VU12A	60	1/2	270
HOR100024	RFA2VU34A	90	3/4	270
HOR100025	RFA2VU10A	190	1"	270

REGULADORES DE CAUDAL 3 VÍAS COMPENSADO CORPO ALUMÍNIO / 3-WAY COMPENSATED FLOW CONTROLVALVES ALUMINIUM BODY / REGULADORES DE CAUDAL 3 VÍAS COMPENSADO CUERPO ALUMINIO



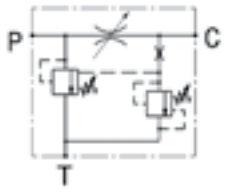
Ref.	Type	Q (l/min.)		
HOR100006	RFA38A	60/35	3/8	270
HOR100007	RFA12A	100/65	1/2	270
HOR100008	RFA34A	150/90	3/4	270
HOR100009	RFA10A	280/190	1"	270

REGULADORES DE CAUDAL 3 VÍAS COMPENSADO PRIORITARIO CORPO ALUMÍNIO / 3-WAY PRIORITARY COMPENSATED FLOW CONTROL VALVES ALUMINIUM BODY / REGULADORES DE CAUDAL 3 VÍAS COMPENSADO PRIORITARIO CUERPO ALUMINIO



Ref.	Type	Q (l/min.)		
HOR100010	RFPA38A	60/35	3/8	270
HOR100011	RFPA12A	100/65	1/2	270
HOR100012	RFPA34A	150/90	3/4	270
HOR100013	RFPA10A	380/190	1"	270

REGULADORES DE CAUDAL 3 VÍAS COMPENSADO PRIORITARIO CORPO ALUMÍNIO / 3-WAY PRIORITARY COMPENSATED FLOW CONTROL VALVES ALUMINIUM BODY + RELIEF / REGULADORES DE CAUDAL 3 VÍAS COMPENSADO PRIORITARIO CUERPO ALUMINIO + LIMITADORA



Ref.	Type	Q (l/min.)		
HOR110010	RFAVLP1038A	60/35	3/8	270
HOR110011	RFAVLP1012A	100/65	1/2	270
HOR110012	RFAVLP1034A	150/90	3/4	270
HOR110013	RFAVLP1010A	280/190	1"	270

DISTRIBUIDORES MONOBLOCO MANUAIS
MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES
DISTRIBUIDORES MONOBLOC MANUALES

DISTRIBUIDOR MONOBLOCO MANUAIS DE 3/8 40 L/M / MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES 3/8 40 L/M / DISTRIBUIDOR MONOBLOC MANUAL DE 3/8 40 L/M

Ref.	Type			Elem. Nr.	
VMF210001	P40	P T 1/2	A B 3/8	1	250
VMF210002	P40	P T 1/2	A B 3/8	2	250
VMF210003	P40	P T 1/2	A B 3/8	3	250
VMF210004	P40	P T 1/2	A B 3/8	4	250
VMF210005	P40	P T 1/2	A B 3/8	5	250
VMF210006	P40	P T 1/2	A B 3/8	6	250
VMF210007	P40	P T 1/2	A B 3/8	7	250

DISTRIBUIDOR MONOBLOCO MANUAIS DE 1/2 80 L/M / MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES 1/2 80 L/M / DISTRIBUIDOR MONOBLOC MANUAL DE 1/2 80 L/M

Ref.	Type			Elem. Nr.	
VMF220001	P80	P 1/2 T 3/4	A B 1/2	1	250
VMF220002	P80	P 1/2 T 3/4	A B 1/2	2	250
VMF220003	P80	P 1/2 T 3/4	A B 1/2	3	250
VMF220004	P80	P 1/2 T 3/4	A B 1/2	4	250
VMF220005	P80	P 1/2 T 3/4	A B 1/2	5	250
VMF220006	P80	P 1/2 T 3/4	A B 1/2	6	250

DISTRIBUIDOR MONOBLOCO MANUAIS DE 1" 120 L/M / MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES 1" 120 L/M / DISTRIBUIDOR MONOBLOC MANUAL DE 1" 120 L/M

Ref.	Type			Elem. Nr.	
VMF230001	P120	P T 1"	A B 1"	1	250
VMF230002	P120	P T 1"	A B 1"	2	250
VMF230003	P120	P T 1"	A B 1"	3	250
VMF230004	P120	P T 1"	A B 1"	4	250

DISTRIBUIDOR MONOBLOCO PNEUMÁTICOS MANUAIS ON-OFF
MANUAL PNEUMATIC MONOBLOCK DIRECTIONAL CONTROL VALVES ON-OFF
DISTRIBUIDOR MONOBLOC NEUMÁTICOS MANUALES ON-OFF

DISTRIBUIDOR MONOBLOCO PNEUMÁTICO MANUAL 3/8 40 L/M ON-OFF / MANUAL PNEUMATIC MONOBLOCK DIRECTIONAL CONTROL VALVE 3/8 40 L/M ON-OFF / DISTRIBUIDOR MONOBLOC NEUMÁTICO MANUAL 3/8 40 L/M ON-OFF

Ref.	Type			Elem. Nr.	
VMF210101	P40	P T 1/2	A B 3/8	1	250
VMF210102	P40	P T 1/2	A B 3/8	2	250
VMF210103	P40	P T 1/2	A B 3/8	3	250
VMF210104	P40	P T 1/2	A B 3/8	4	250
VMF210105	P40	P T 1/2	A B 3/8	5	250
VMF210106	P40	P T 1/2	A B 3/8	6	250
VMF210107	P40	P T 1/2	A B 3/8	7	250

DISTRIBUIDOR MONOBLOCO PNEUMÁTICO MANUAL 1/2" 80 L/M ON-OFF / MANUAL PNEUMATIC MONOBLOCK DIRECTIONAL CONTROL VALVE 1/2 80 L/M ON-OFF / DISTRIBUIDOR MONOBLOC NEUMÁTICO MANUAL 1/2 80 L/M ON-OFF

Ref.	Type			Elem. Nr.		
VMF220101	P80	P 1/2 T 3/4	A B 1/2	1	250	
VMF220102	P80	P 1/2 T 3/4	A B 1/2	2	250	
VMF220103	P80	P 1/2 T 3/4	A B 1/2	3	250	
VMF220104	P80	P 1/2 T 3/4	A B 1/2	4	250	
VMF220105	P80	P 1/2 T 3/4	A B 1/2	5	250	
VMF220106	P80	P 1/2 T 3/4	A B 1/2	6	250	

DISTRIBUIDOR MONOBLOCO PNEUMÁTICO MANUAL 1" 120 L/M ON-OFF / MANUAL PNEUMATIC MONOBLOCK DIRECTIONAL CONTROL VALVE 1" 120 L/M ON-OFF / DISTRIBUIDOR MONOBLOC NEUMÁTICO MANUAL 1" 120 L/M ON-OFF

Ref.	Type			Elem. Nr.	
VMF230101	P120	P T 1"	A B 1"	1	250
VMF230102	P120	P T 1"	A B 1"	2	250
VMF230103	P120	P T 1"	A B 1"	3	250
VMF230104	P120	P T 1"	A B 1"	4	250

DISTRIBUIDORES MONOBLOCO ELÉTRICOS
ELECTRICAL MONOBLOCK DIRECTIONAL CONTROL VALVES
DISTRIBUIDORES MONOBLOC ELÉCTRICOS

DISTRIBUIDOR MONOBLOCO ELÉTRICO 3/8 40 L/M / ELECTRICAL MONOBLOCK DIRECTIONAL CONTROL VALVE 3/8 40 L/M / DISTRIBUIDOR MONOBLOC ELÉCTRICO 3/8 40 L/M

Ref.	Type			Elem. Nr.		Volt.
VMF210201	Z50	P T 1/2	A B 3/8	1	250	12 dc
VMF210202	Z50	P T 1/2	A B 3/8	2	250	12 dc
VMF210203	Z50	P T 1/2	A B 3/8	3	250	12 dc
VMF210204	Z50	P T 1/2	A B 3/8	4	250	12 dc
VMF210205	Z50	P T 1/2	A B 3/8	5	250	12 dc
VMF210206	Z50	P T 1/2	A B 3/8	6	250	12 dc
VMF210207	Z50	P T 1/2	A B 3/8	7	250	12 dc
VMF210208	Z50	P T 1/2	A B 3/8	1	250	24 dc
VMF210209	Z50	P T 1/2	A B 3/8	2	250	24 dc
VMF210210	Z50	P T 1/2	A B 3/8	3	250	24 dc
VMF210211	Z50	P T 1/2	A B 3/8	4	250	24 dc
VMF210212	Z50	P T 1/2	A B 3/8	5	250	24 dc
VMF210213	Z50	P T 1/2	A B 3/8	6	250	24 dc
VMF210214	Z50	P T 1/2	A B 3/8	7	250	24 dc

DISTRIBUIDOR MONOBLOCO ELÉTRICO 1/2 80 L/M / ELECTRICAL MONOBLOCK DIRECTIONAL CONTROL VALVE 1/2 80 L/M / DISTRIBUIDOR MONOBLOC ELÉCTRICO 1/2 80 L/M

Ref.	Type			Elem. Nr.		Volt.
VMF220201	Z80	P 1/2 T 3/4	A B 1/2	1	250	12 dc
VMF220202	Z80	P 1/2 T 3/4	A B 1/2	2	250	12 dc
VMF220203	Z80	P 1/2 T 3/4	A B 1/2	3	250	12 dc
VMF220204	Z80	P 1/2 T 3/4	A B 1/2	4	250	12 dc
VMF220205	Z80	P 1/2 T 3/4	A B 1/2	5	250	12 dc
VMF220206	Z80	P 1/2 T 3/4	A B 1/2	6	250	12 dc
VMF220211	Z80	P 1/2 T 3/4	A B 1/2	1	250	24 dc
VMF220212	Z80	P 1/2 T 3/4	A B 1/2	2	250	24 dc
VMF220213	Z80	P 1/2 T 3/4	A B 1/2	3	250	24 dc
VMF220214	Z80	P 1/2 T 3/4	A B 1/2	4	250	24 dc
VMF220215	Z80	P 1/2 T 3/4	A B 1/2	5	250	24 dc
VMF220216	Z80	P 1/2 T 3/4	A B 1/2	6	250	24 dc

DISTRIBUIDOR MONOBLOCO ELETROHIDRÁULICO MANUAL 3/8 40 L/M / ELECTRO-HYDRAULIC MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES 3/8 40 L/M / DISTRIBUIDOR MONOBLOC ELECTROHIDRÁULICO MANUAL 3/8 40 L/M

Ref.	Type			Elem. Nr.		Volt.
VMF210301	P40	P T 1/2	A B 3/8	1	250	12 dc
VMF210302	P40	P T 1/2	A B 3/8	2	250	12 dc
VMF210303	P40	P T 1/2	A B 3/8	3	250	12 dc
VMF210304	P40	P T 1/2	A B 3/8	4	250	12 dc
VMF210305	P40	P T 1/2	A B 3/8	1	250	24 dc
VMF210306	P40	P T 1/2	A B 3/8	2	250	24 dc
VMF210307	P40	P T 1/2	A B 3/8	3	250	24 dc
VMF210308	P40	P T 1/2	A B 3/8	4	250	24 dc

DISTRIBUIDOR MONOBLOCO ELETROHIDRÁULICO MANUAL 1/2 80 L/M / ELECTRO-HYDRAULIC MANUAL MONOBLOCK DIRECTIONAL CONTROL VALVES 1/2 80 L/M / DISTRIBUIDOR MONOBLOC ELECTROHIDRÁULICO MANUAL 1/2 80 L/M

Ref.	Type			Elem. Nr.		Volt.
VMF220301	P80	P 1/2 T 3/4	A B 1/2	1	250	12 dc
VMF220302	P80	P 1/2 T 3/4	A B 1/2	2	250	12 dc
VMF220303	P80	P 1/2 T 3/4	A B 1/2	3	250	12 dc
VMF220304	P80	P 1/2 T 3/4	A B 1/2	4	250	12 dc
VMF220305	P80	P 1/2 T 3/4	A B 1/2	1	250	24 dc
VMF220306	P80	P 1/2 T 3/4	A B 1/2	2	250	24 dc
VMF220307	P80	P 1/2 T 3/4	A B 1/2	3	250	24 dc
VMF220308	P80	P 1/2 T 3/4	A B 1/2	4	250	24 dc

DISTRIBUIDOR MONOBLOCO ELÉTRICO MANUAL 3/8 50 L/M / ELECTRICAL MONOBLOCK DIRECTIONAL CONTROL VALVES 3/8 50 L/M / DISTRIBUIDOR MONOBLOC ELÉCTRICO MANUAL 3/8 50 L/M

Ref.	Type			Elem. Nr.		Volt.
VMF210401	P50	P 1/2 T 1/2	A B 3/8	1	250	12 dc
VMF210402	P50	P 1/2 T 1/2	A B 3/8	2	250	12 dc
VMF210403	P50	P 1/2 T 1/2	A B 3/8	3	250	12 dc
VMF210404	P50	P 1/2 T 1/2	A B 3/8	4	250	12 dc
VMF210405	P50	P 1/2 T 1/2	A B 3/8	5	250	12 dc
VMF210406	P50	P 1/2 T 1/2	A B 3/8	6	250	12 dc
VMF210407	P50	P 1/2 T 1/2	A B 3/8	7	250	12 dc
VMF210408	P50	P 1/2 T 1/2	A B 3/8	1	250	24 dc
VMF210409	P50	P 1/2 T 1/2	A B 3/8	2	250	24 dc
VMF210410	P50	P 1/2 T 1/2	A B 3/8	3	250	24 dc
VMF210411	P50	P 1/2 T 1/2	A B 3/8	4	250	24 dc
VMF210412	P50	P 1/2 T 1/2	A B 3/8	5	250	24 dc
VMF210413	P50	P 1/2 T 1/2	A B 3/8	6	250	24 dc
VMF210414	P50	P 1/2 T 1/2	A B 3/8	7	250	24 dc

DISTRIBUIDORES ROTATIVOS MANUAIS
MANUAL ROTARY DIRECTIONAL CONTROL VALVES
DISTRIBUIDORES ROTATIVOS MANUAL

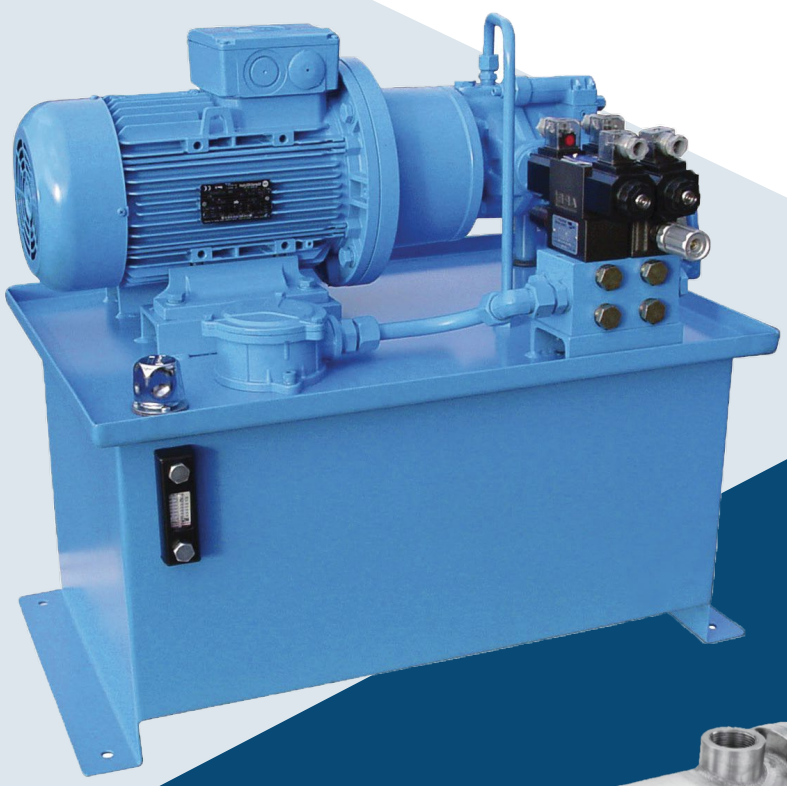
Ref.	Type	Q (l/min.)		Elem. Nr.	
DHI1006004	DISTRIBUIDOR 40	40	3/8	1	350
DHI1006005	DISTRIBUIDOR 80	80	1/2	1	350
DHI1006006	DISTRIBUIDOR 120	120	3/4	1	350

DISTRIBUIDORES MONOBLOCO RECHADORES LENHA
LOG SPLITTER MONOBLOC DIRECTIONAL CONTROL VALVE
DISTRIBUIDORES MONOBLOC RAJADORAS LEÑA

Ref.	Type	Q (l/min.)		Elem. Nr.	
VMF210400	P35A25	35	3/8	1	250
VMF220400	Z50A25	50	1/2	1	250
VMF230400	P120A25	120	1"	1	250

/ COMPONENTES HIDRÁULICOS

HYDRAULIC COMPONENTS
COMPONENTES HIDRÁULICOS



VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

DEPÓSITOS / OIL TANKS / DEPÓSITOS

DE AÇO / STEEL / DE ACERO

Ref.	Volum.
HID160012S	12
HID160016S	16
HID160030S	30
HID160055S	55
HID160075S	75
HID160100S	100
HID160150S	150

Ref.	Volum.
HID160180S	180
HID160225S	225
HID160300S	300
HID160400S	400
HID160500S	500
HID160750S	750

DE ALUMÍNIO / ALUMINIUM / DE ALUMINIO

Ref.	Volum.
HID180002	16
HID180003	25
HID180004	55
HID180005	75

TAMPAS DE REGISTRO COM JUNTA / INSPECTION COVERS WITH O-RING / TAPAS DE REGISTRO CON JUNTA

Ref.	∅
MP-06003	275
MP-06004	350

NÍVEIS VISUAIS
VISUAL LEVELS
NIVELES VISUALES

SEM TERMÔMETRO / WITHOUT THERMOMETER / SIN TERMÓMETRO

Ref.	Long. (mm)	
VMF160001	76	M 10
VMF160002	127	M 12
VMF160003	254	M 12

COM TERMÔMETRO / WITH THERMOMETER / CON TERMÓMETRO

Ref.	Long. (mm)	
VMF160101	76	M 10
VMF160102	127	M 12
VMF160103	254	M 12

NÍVEIS ELÉTRICOS COM ROSCA DE 1" E BRAÇADEIRA / ELECTRICAL LEVELS WITH 1" THREAD AND FLANGE / NIVELES ELÉCTRICOS CON ROSCA DE 1" Y BRIDA

Ref.	Long. (mm)
FT-0600100	100
FT-0600150	150
FT-0600200	200
FT-0600250	250
FT-0600300	300
FT-0600350	350
FT-0600400	400
FT-0600450	450
FT-0600500	500

VISORS ALUMÍNIO
ALUMINIUM SIGHTS
MIRILLAS ALUMINIO

Ref.	
FT-0103001	1/4
FT-0103002	3/8
FT-0103003	1/2
FT-0103004	3/4
FT-0103005	1"
FT-0103006	1"1/4
FT-0103007	1"1/2
FT-0103008	2"

TAMPÕES RESPIRO
OIL FILLING PLUG WITH BREATHER
TAPONES DESVAPORIZADORES

PLÁSTICO COM FILTRO / PLASTIC WITH FILTER / PLÁSTICO CON FILTRO

Ref.	
CHI030017	3/8
CHI030018	1/2
CHI030019	3/4
CHI030014	1"

ALUMÍNIO COM FILTRO / ALUMINIUM WITH FILTER / ALUMINIO CON FILTRO

Ref.	
FT-0102001	1/4
FT-0102002	3/8
FT-0102003	1/2
FT-0102004	3/4
FT-0102005	1"
FT-0102006	1"1/4
FT-0102007	1"1/2
FT-0102008	2"

TAMPÕES DE ENCHIMENTO COM FILTRO
FILLING PLUGS WIITH FILTER
TAPONES DE LLENADO CON FILTRO

Ref.	∅	Long. (mm)
VMF150001	46	65
VMF150002	80	80
VMF150003	80	150

LUNETAS GRUPO 1-2-3
BELLHOUSING GROUP 1-2-3
CAMPANAS GRUPO 1-2-3

Ref.	Type	Rang.
MP-02003	0,75-2 CV Gr. 1	0,75-2 CV
MP-02009	3-5,5 CV Gr. 1	3-5,5 CV
MP-02005	0,75-2 CV Gr. 2	0,75-2 CV
MP-02010	3-5,5 CV Gr. 2	3-5,5 CV
MP-02017	7,5-12,5 CV Gr. 2	7,5-12,5 CV
MP-02025	15-30 CV Gr. 2	15-30 CV
MP-02011	3-5,5 CV Gr. 3	3-5,5 CV
MP-02018	7,5-12,5 CV Gr. 3	7,5-12,5 CV
MP-02026	15-30CV Gr. 3	15-30CV

FLANGE DE BOMBAS SAÍDA RETA
PUMP FLANGES STRAIGHT PORT
BRIDAS BOMBAS SALIDA RECTA

Ref.	Type	∅	
TO-010001	RF	30	3/8
TO-010002	RF	40	1/2
TO-010003	RF	51	3/4

FLANGE DE BOMBAS SAÍDA RETA PROLONGADA
PUMP FLANGES LONGER STRAIGHT PORT
BRIDAS BOMBAS SALIDA RECTA PROLONGADA

Ref.	Type	∅	
TO-020001	RFI	30	3/8
TO-020002	RFI	30	1/2
TO-020003	RFI	40	1/2
TO-020004	RFI	40	3/4
TO-020005	RFI	51	1"

ACOPLAMENTOS GRUPO 1-2-3
COUPLINGS GROUP 1-2-3
ACOPLAMIENTOS GRUPO 1-2-3

Ref.	Type	Rang.
MP-090014	0,17-0,25 CV Gr. 1	0,17 - 0,25 CV
MP-090015	0,33-0,5 CV Gr. 1	0,33 0,5 CV
MP-090016	0,75-1 CV Gr. 1	0,75 - 1 CV
MP-090017	1,5-2 CV Gr. 1	1,5 - 2 CV
MP-090018	3-5,5 CV Gr. 1	3 - 5,5 CV
MP-090002	0,75-1 CV Gr. 2	0,75-1 CV
MP-090003	1,5-2 CV Gr. 2	1,5-2 CV
MP-090004	3-5,5 CV Gr. 2	3-5,5 CV
MP-090005	7,5-12,5 CV Gr. 2	7,5-12,5 CV
MP-090006	15-20 CV Gr. 2	15-20 CV
MP-090007	25-30 CV Gr. 2	25-30 CV
MP-090009	3,5-5,5 CV Gr. 3	3,5 - 5,5 CV
MP-090010	7,5-12,5 CV Gr. 3	7,5-12,5 CV
MP-090011	15-20 CV Gr. 3	15-20 CV
MP-090012	25-30 CV Gr. 3	25-30 CV

FLANGE DE BOMBAS SAÍDA JOELHO 90° RG
PUMP FLANGES RG 90º ELBOW PORT
BRIDAS BOMBAS SALIDA CODO 90° RG

Ref.	Type	∅	
TO-030000	RG	26	3/8
TO-030001	RG	30	3/8
TO-030002	RG	30	1/2
TO-030003	RG	40	1/2
TO-030004	RG	40	3/4
TO-030009	RG	51	3/4
TO-030005	RG	51	1"
TO-030006	RG	56	1"
TO-030007	RG	62	1"1/4
TO-030008	RG	72	1"1/2
TO-030010	RG	92	2"1/2

SUPORTES PÉ MOTOR
FOOT SUPPORT MOTOR
SOPORTES PIE MOTOR

Ref.	∅
MP-110001	160
MP-110002	200
MP-110003	250
MP-110004	300
MP-110005	350

FLANGE DE BOMBAS SAÍDA JOELHO 90° RGB
PUMP FLANGES RGB 90º ELBOW PORT
BRIDAS BOMBAS SALIDA CODO 90° RGB

Ref.	Type	∅	
TO-040007	RGB	30	3/8
TO-040001	RGB	35	3/8
TO-040002	RGB	35	1/2
TO-040003	RGB	40	1/2
TO-040004	RGB	40	3/4
TO-040006	RGB	55	3/4
TO-040005	RGB	55	1"

FILTROS ASPIRAÇÃO / SUCTION FILTERS / FILTROS ASPIRACIÓN

SUMERGIDOS / SUMERGED / SUMERGIDOS

SUMERGIDOS 125 MICRAS /*SUMERGED 125 MICRON* / SUMERGIDOS 125 MICRAS

Ref.	Vol.	Q (l/min.)	
VMF125005	5	5	3/8
VMF125010	10	10	3/8
VMF125015	15	15	1/2
VMF125025	25	25	3/4
VMF125050	50	50	1"
VMF125075	75	75	1"1/4
VMF125100	100	100	1"1/2
VMF125130	130	130	1"1/2
VMF125180	180	180	2"
VMF125225	225	225	2"
VMF125350	350	350	2"1/2
VMF125500	500	500	3"

SUMERGIDOS 90 MICRAS / *SUMERGED 90 MICRON* / SUMERGIDOS 90 MICRAS

Ref.	Vol.	Q(l/min.)	
MP-STR0501G1M90	5	5	3/8
MP-STR0502G1M90	15	15	1/2
MP-STR0701G1M90	20	20	1/2
MP-STR0702G1M90	30	30	3/4
MP-STR0703G1M90	45	45	3/4
MP-STR0704G1M90	75	75	1"
MP-STR1001G1M90	100	100	1"1/4
MP-STR1002G1M90	125	125	1"1/4

Ref.	Vol.	Q (l/min.)	
MP-STR1003G1M90	150	150	1"1/2
MP-STR1004G1M90	300	300	2"
MP-STR1005G1M90	175	175	1"1/2
MP-STR1402G1M90	350	350	2"
MP-STR1403G1M90	400	400	2"
MP-STR1404G1M90	500	500	2"1/2
MP-STR1405G1M90	600	600	3"
MP-STR1406G1M90	700	700	3"

FILTROS ASPIRAÇÃO EM LINHA / IN-LINE SUCTION FILTERS / FILTROS ASPIRACIÓN EN LÍNEA

CABEÇAL /*FILTER HEAD* / CABEZAL

Ref.	
MP-MPS050SG1	3/4
MP-MPS100SG1	1"1/4

INDICADORES (FILTROS ASPIRAÇÃO EM LINHA) / *INDICATORS (IN-LINE SUCTION FILTERS)* / INDICADORES (FILTROS ASPIRACIÓN EN LÍNEA)

Ref.	Type
MP--VS	Optic.

CARTUCHOS (FILTROS ASPIRAÇÃO EM LINHA) /*CARTRIDGES (IN-LINE SUCTION FILTERS)* /CARTUCHOS (FILTROS ASPIRACIÓN EN LÍNEA)

Ref.	Long. (mm)		(µ)
MP-CS050A10AN	145	3/4	10
MP-CS050M60A	145	3/4	60
MP-CS050M90A	145	3/4	90
MP-CS050P10A	145	3/4	10
MP-CS050P25A	145	3/4	25
MP-CS070M60A	210	3/4	60
MP-CS070M90A	210	3/4	90
MP-CS070P10A	210	3/4	10
MP-CS070P25A	210	3/4	25

Ref.	Long. (mm)		(µ)
MP-CS100M60A	180	1"1/4	60
MP-CS100M90A	180	1"1/4	90
MP-CS100P10A	180	1"1/4	10
MP-CS100P25A	180	1"1/4	25
MP-CS150M60A	230	1"1/4	60
MP-CS150M90A	230	1"1/4	90
MP-CS150P10A	230	1"1/4	10
MP-CS150P25A	230	1"1/4	25

FILTROS DE RETORNO / RETURN FILTERS / FILTROS DE RETORNO

FILTROS DE RETORNO EM LINHA / IN-LINE RETURN FILTERS / FILTROS DE RETORNO EN LÍNEA

CABEÇAL / *BODY FILTERS* / CABEZALES

Ref.	
MP-MPS050RG1	3/4
MP-MPS100RG1	1"1/4
MP-MPS200RG1	1"1/2

INDICADORES (FILTROS DE RETORNO EM LINHA) / *INDICATORS (IN-LINE RETURN FILTERS)* / INDICADORES (FILTROS DE RETORNO EN LÍNEA)

Ref.	Type
MP--ER	Electric.
MP--VR	Optic.

CARTUCHOS (FILTROS DE RETORNO EM LINHA) / *CARTRIDGES (IN-LINE RETURN FILTERS)* / CARTUCHOS (FILTROS DE RETORNO EN LÍNEA)

Ref.	Long. (mm)		(µ)
MP-CS050A10AN	145	3/4	10
MP-CS050M60A	145	3/4	60
MP-CS050M90A	145	3/4	90
MP-CS050P10A	145	3/4	10
MP-CS050P25A	145	3/4	25
MP-CS070M60A	210	3/4	60
MP-CS070M90A	210	3/4	90
MP-CS070P10A	210	3/4	10
MP-CS070P25A	210	3/4	25

Ref.	Long. (mm)		(µ)
MP-CS100M60A	180	1"1/4	60
MP-CS100M90A	180	1"1/4	90
MP-CS100P10A	180	1"1/4	10
MP-CS100P25A	180	1"1/4	25
MP-CS150M60A	230	1"1/4	60
MP-CS150M90A	230	1"1/4	90
MP-CS150P10A	230	1"1/4	10
MP-CS150P25A	230	1"1/4	20

FILTROS DE RETORNO SEMISUMERGIDOS / TOP TANK RETURN FILTERS / FILTROS DE RETORNO SEMISUMERGIDOS

CARCAÇAS (FILTROS DE RETORNO SEMISUMERGIDOS) / *BODIES (TOP TANK RETURN FILTERS)* / CARCASAS (FILTROS DE RETORNO SEMISUMERGIDOS)

Ref.	
MP-MPF0301G1	1/2
MP-MPF1001G2	3/4
MP-MPF1002G2	3/4
MP-MPF1002G3	1"
MP-MPF1801G1	1"1/4
MP-MPF4002AG2	1"1/2
MP-MPF4003AG3	2"

INDICADORES (FILTROS DE RETORNO SEMISUMERGIDOS) / *INDICATORS (TOP TANK RETURN FILTERS)* / INDICADORES (FILTROS DE RETORNO SEMISUMERGIDOS)

Ref.	Type
MP--ER	Electric.
MP--V1	Optic.

CARTUCHOS (FILTROS DE RETORNO SEMISUMERGIDOS) / *CARTRIDGES (TOP TANK RETURN FILTERS)* / CARTUCHOS (FILTROS DE RETORNO SEMISUMERGIDOS)

Ref.	(µ)
MP-MF0301M60NB	60
MP-MF0301P10NB	10
MP-MF0301P25NB	25
MP-MF1001M60NB	60
MP-MF1001M90NB	90
MP-MF1001P25NB	25
MP-MF1002M25NB	25
MP-MF1002M60NB	90
MP-MF1002M60NB	90
MP-MF1002P10NB	10
MP-MF1002P25NB	25
MP-MF1003P25NB	25

Ref.	(µ)
MP-MF1801A10HB	10
MP-MF1801A25HB	25
MP-MF1801M60NB	90
MP-MF1801M60NB	90
MP-MF1801P25NB	25
MP-MF4002M60NB	60
MP-MF4002P10NB	10
MP-MF4002P25NB	25
MP-MF4003A10HB	10
MP-MF4003M60NB	60
MP-MF4003P10NB	10
MP-MF4003P25NB	25

FILTROS DE RETORNO SUMERGIDOS / SUMERGED RETURN FILTERS / FILTROS DE RETORNO SUMERGIDOS

FILTRO COMPLETO / *COMPLETE FILTER* / FILTRO COMPLETO

Ref.	Volum.	Q (l/min.)	
OMTAFR030	30	30	1/2
OMTAFR060	60	60	3/4
OMTAFR100	100	100	1"
OMTAFR180	180	180	1"1/4

FILTROS PRESSÃO
PRESSURE FILTERS
FILTROS PRESIÓN

CARCAÇAS (FILTROS PRESSÃO) / BODIES (PRESSURE FILTERS) / CARCASAS (FILTROS PRESIÓN)

Ref.	
MP-FHP0651BAG1	1/2
MP-FHP0651BAG2	3/4
MP-FHP0652BAG2	3/4
MP-FHP0653BAG2	3/4
MP-FHP1351BAG2	3/4
MP-FHP1352BAG2	1"
MP-FHP3202BAF5	1"1/4
MP-FHP3203BAF5	1"1/4
MP-FMP0381BAG1P02	1"1/2

INDICADORES (FILTROS PRESSÃO) / INDICATORS (PRESSURE FILTERS) / INDICADORES (FILTROS PRESIÓN)

Ref.	Type
MP--V7	Optic. 5bar
MP--V8	Optic. 7bar
MP--E7	Electric. 5bar
MP--E8	Electric. 7bar

FILTROS PRESSÃO
PRESSURE FILTERS
FILTROS PRESIÓN

FILTROS AR / AIR FILTERS / FILTROS AIRE

Ref.	Q (l/min.)	
MP-SA036G2L40A	140	3/8
MP-SA075G2L40A	400	3/4
MP-SA115G1L40A	850	1"

Ref.	Q (l/min.)	
MP-SA145G1L40A	1850	1"1/2
MP-SA185G1L40A	2500	2"1/2

PRESOSTATOS / PRESSURE SWITCHES / PRESOSTATOS

PRESOSTATOS NORMALMENTE ABERTO / PRESSURE SWITCHES NORMALLY OPEN 1/4 / PRESOSTATOS NORMALMENTE ABIERTO

PRESOSTATOS NORMALMENTE ABERTO DE 1/4 DE MEMBRANA / *MEMBRANE PRESSURE SWITCHES NORMALLY OPEN 1/4* / PRESOSTATOS NORMALMENTE ABIERTO DE 1/4 DE MEM BRANA

Ref.	Rang.	
INSPRE01001	1 - 12	25
INSPRE01002	5 - 50	200

PRESOSTATOS NORMALMENTE ABERTO DE 1/4 DE PISTÃO/ *PISTON PRESSURE SWITCHES NORMALLY OPEN 1/4* / PRESOSTATOS NORMALMENTE ABIERTO DE 1/4 DE PIS-TON/

Ref.	Rang.	
INSPRE01003	10 - 100	300
INSPRE01004	20 - 200	300
INSPRE01005	50 - 400	600

PRESOSTATOS COMUTÁVEIS / COMMUTABLE PRESSURE SWITCHES / PRESOSTATOS CONMUTABLES

PRESOSTATOS COMUTÁVEIS DE 1/4 DE MEMBRANA / *MEMBRANE COMMUTABLE PRESSURE SWITCHES 1/4* / PRESOSTATOS CONMUTABLES DE 1/4 DE MEMBRANA /

Ref.	Rang.	
INSPRE02001	1 - 12	25

PRESOSTATOS COMUTÁVEIS DE 1/4 DE PISTÃO / *PISTON COMMUTABLE PRESSURE SWITCHES 1/4* / PRESOSTATOS CONMUTABLES DE 1/4 DE PISTON /

Ref.	Rang.	
INSPRE02002	5 - 50	200
INSPRE02003	10 - 100	300
INSPRE02004	20 - 200	300
INSPRE02005	50 - 400	600

PRESOSTATOS
PRESSURE SWITCHES
PRESOSTATOS

PRESOSTATOS COMUTÁVEIS DE PISTÃO COM PLACA E ROSCA FÊMEA BSP 1/4 / *PISTON PRESSURE SWITCHES ON SUB-PLATED 1/4 FEMALE THREAD* / PRESOSTATOS CONMUTABLES DE PISTON CON PLACA Y ROSCA HEMBRA BSP 1/4

Ref.	Type	Rang.
INSPRE03001	K5	2 40
INSPRE03002	K5	5 100
INSPRE03003	K5	20 200

Ref.	Type	Rang.
INSPRE03004	K5	30 300
INSPRE03005	K5	40 400

TERMOSTATOS (ºC) / THERMOSTATS (ºC) / TERMOSTATOS (ºC)

Ref.	Type	Long. (mm)		Rang.
CI-TF47	TF47		1/2	47°C
CI-TF60	TF60		1/2	60°C
CI-TR100	TR100	100	1/2	0-90°C
CI-TR200	TR200	200	1/2	0-90°C

TRANSDUTORES / TRANSDUCERS / TRANSDUCTORES

TRANSDUTORES A10 4-20mA 10.30v / TRANSDUCERS A10 4-20mA 10.30v / TRANSDUCTORES A10 4-20mA 10.30v

Ref.	Type	Rang.
WIK0400001	A-10	0-1
WIK0400006	A-10	0-6
WIK0400010	A-10	0-10
WIK0400025	A-10	0-25
WIK0400040	A-10	0-40
WIK0400060	A-10	0-60
WIK0400100	A-10	0-100
WIK0400160	A-10	0-160
WIK0400250	A-10	0-250
WIK0400400	A-10	0-400

DISPLAY DIGITAL DIGITAL DISPLAY DISPLAY DIGITAL

Ref.	Type
WIK0400000	A AI-1

PROTETORES E SELETORES / GAUGE ISOLATORS AND PRESSURE SELECTOR VALVES / PROTECTORES Y SELECTORES

PROTETORES / GAUGE ISOLATORS / PROTECTORES

Ref.	Type	
FT-030001	FT290	M-H 1/4
FT-030002	FT291	M-H 1/4
FT-030003	FT299	M-H 1/4

SELECTORES / PRESSURE SELECTOR VALVES / SELECTORES

Ref.	Type	
MP-SM1-3G50A	3P+1T	H 1/4
MP-SM1-6G50A	6P+1T	H 1/4

KITS DE MEDIÇÃO / TESTING UNITS / MALETINES DE COMPROBACIÓN

Ref.	Type
WIK150001	VMFLEX
WIK150002	WIKA

INTERCAMBIADORES AR/ÓLEO
AIR/OIL HEAT EXCHANGERS
INTERCAMBIADORES AIRE/ACEITE

INTERCAMBIADORES CSL PARA CAUDAIS DE 20 A 200 L/M
CSL HEAT EXCHANGERS FLOWS FROM 20 TO 200 L/M
INTERCAMBIADORES CSL PARA CAUDALES DE 20 A 200 L/M

Ref.	Type	Q (l/min.)		Rang.		Volt.	
CI-CSL04-12-A-60	CLS04	20	1/2	60°C	20	12 dc	30
CI-CSL04-24-A-60	CLS04	20	1/2	60°C	20	24 dc	30
CI-CSL04-22-A-47-C	CSL04	20	1/2	47°C	20	220 ac	30
CI-CSL05-12-A-60	CLS05	35	1/2	60°C	20	12 dc	30
CI-CSL05-24-A-60	CLS05	35	1/2	60°C	20	24 dc	30
CI-CSL05-22-A-47-C	CLS05	35	1/2	47°C	20	220 ac	30
CI-CSL07-12-A-60	CSL07	70	3/4	60°C	20	12 dc	30
CI-CSL07-24-A-60	CSL07	70	3/4	60°C	20	24 dc	30
CI-CSL07-22-A-47-C	CSL07	70	3/4	47°C	20	220 ac	30
CI-CSL07-22-A-47-2PC	CSL07	40	3/4	47°C	20	220 ac	30
CI-CSL1-12-A-60	CSL1	100	3/4	60°C	20	12 dc	30
CI-CSL1-24-A-60	CSL1	100	3/4	60°C	20	24 dc	30
CI-CSL1-38-A-47	CSL1	100	3/4	47°C	20	220/380 ac	30
CI-CSL1-22-A-47-C	CSL1	100	3/4	47°C	20	220 ac	30
CI-CSL1-12-A-60-2P	CSL1	65	3/4	60°C	20	12 dc	30
CI-CSL1-24-A-60-2P	CSL1	65	3/4	60°C	20	24 dc	30
CI-CSL1-22-A-47-2PC	CSL1	65	3/4	47°C	20	220 ac	30
CI-CSL1-38-A-47-2P	CSL1	65	3/4	47°C	20	220/380 ac	30
CI-CSL2-12-A-60	CSL2	120	3/4	60°C	20	12 dc	30
CI-CSL2-24-A-60	CSL2	120	3/4	60°C	20	24 dc	30
CI-CSL2-38-A-47	CSL2	120	3/4	47°C	20	220/380 ac	30
CI-CSL2-22-A-47-C	CSL2	120	3/4	47°C	20	220 ac	30
CI-CSL2-12-A-60-2P	CSL2	120	3/4	60°C	20	12 dc	30
CI-CSL2-24-A-60-2P	CSL2	70	3/4	60°C	20	24 dc	30
CI-CSL2-38-A-47-2P	CSL2	70	3/4	47°C	20	220/380 ac	30
CI-CSL2-22-A-47-2PC	CSL2	70	3/4	47°C	20	220 ac	30
CI-CSL3-12-A-60	CSL3	130	1"	60°C	20	12 dc	30
CI-CSL3-24-A-60	CSL3	130	1"	60°C	20	24 dc	30
CI-CSL3-38-A-47	CSL3	130	1"	47°C	20	220/380 ac	30
CI-CSL3-22-A-47-C	CSL3	130	1"	47°C	20	220/380 ac	30
CI-CSL3-12-A-60-2P	CSL3	80	1"	60°C	20	12 dc	30
CI-CSL3-24-A-60-2P	CSL3	80	1"	60°C	20	24 dc	30
CI-CSL3-22-A-47-2PC	CSL3	80	1"	47°C	20	220 ac	30
CI-CSL3-38-A-47-2P	CSL3	80	1"	47°C	20	220/380 ac	30
CI-CSL4-12-A-60	CSL4	140	1"1/4	60°C	20	12 dc	30
CI-CSL4-24-A-60	CSL4	140	1"1/4	60°C	20	24 dc	30
CI-CSL4-22-A-47-C	CSL4	140	1"1/4	47°C	20	220 ac	30
CI-CSL4-38-A-47	CSL4	140	1"1/4	47°C	20	220/380 ac	30
CI-CSL4-12-A-60-2P	CSL4	90	1"1/4	60°C	20	12 dc	30
CI-CSL4-24-A-60-2P	CSL4	90	1"1/4	60°C	20	24 dc	30
CI-CSL4-22-A-47-2PC	CSL4	90	1"1/4	47°C	20	220 ac	30
CI-CSL4-38-A-47-2P	CSL4	90	1"1/4	47°C	20	220/380 ac	30
CI-CSL5-12-A-60	CSL05	180	1"1/4	60°C	20	12 dc	30
CI-CSL5-24-A-60	CSL05	180	1"1/4	60°C	20	24 dc	30
CI-CSL5-38-A-47	CSL05	180	1"1/4	47°C	20	220/380 ac	30
CI-CSL5-12-A-60-2P	CSL05	110	1"1/4	60°C	20	12 dc	30
CI-CSL5-24-A-60-2P	CSL05	110	1"1/4	60°C	20	24 dc	30
CI-CSL5-38-A-47-2P	CSL05	110	1"1/4	47°C	20	220/380 ac	30

INTERCAMBIADORES CSA PARA CAUDAIS DE 40 A 600 L/M
CSA HEAT EXCHANGERS FLOWS FROM 40 TO 600 L/M
INTERCAMBIADORES CSA PARA CAUDALES DE 40 A 600 L/M

Ref.	Type	Q (l/min.)		Rang.		Volt.	
CI-CSA3-12-A-60	CSA3	130	1"	60°C	20	12 dc	30
CI-CSA3-24-A-60	CSA3	130	1"	60°C	20	24 dc	30
CI-CSA3-22-A-47-C	CSA3	130	1"	47°C	20	220 ac	30
CI-CSA3-38-A-47	CSA3	130	1"	47°C	20	220/380 ac	30
CI-CSA4-12-A-60	CSA4	150	1"1/4	60°C	20	12 dc	30
CI-CSA4-24-A-60	CSA4	150	1"1/4	60°C	20	24 dc	30
CI-CSA4-22-A-47-C	CSA4	150	1"1/4	47°C	20	220 ac	30
CI-CSA4-38-A-47	CSA4	150	1"1/4	47°C	20	220/380 ac	30
CI-CSA4-12-A-60-2P	CSA4	82	1"1/4	60°C	20	12 dc	30
CI-CSA4-24-A-60-2P	CSA4	82	1"1/4	60°C	20	24 dc	30
CI-CSA4-22-A-47-2P	CSA4	82	1"1/4	47°C	20	220 ac	30
CI-CSA4-38-A-47-2P	CSA4	82	1"1/4	47°C	20	220/380 ac	30
CI-CSA5-12-A-60	CSA5	150	1"1/4	60°C	20	12 dc	30
CI-CSA5-24-A-60	CSA5	150	1"1/4	60°C	20	24 dc	30
CI-CSA5-38-A-47	CSA5	150	1"1/4	47°C	20	220/380 ac	30
CI-CSA5-12-A-60-2P	CSA5	100	1"1/4	60°C	20	12 dc	30
CI-CSA5-24-A-60-2P	CSA5	100	1"1/4	60°C	20	24 dc	30
CI-CSA5-38-A-47-2P	CSA5	100	1"1/4	47°C	20	220/380 ac	30
CI-CSA6-12-A-60	CSA6	180	1"1/4	60°C	20	12 dc	30
CI-CSA6-24-A-60	CSA6	180	1"1/4	60°C	20	24 dc	30
CI-CSA6-38-A-47	CSA6	180	1"1/4	47°C	20	220/380 ac	30
CI-CSA6-12-A-60-2P	CSA6	115	1"1/4	60°C	20	12 dc	30
CI-CSA6-24-A-60-2P	CSA6	115	1"1/4	60°C	20	24 dc	30
CI-CSA6-38-A-47-2P	CSA6	115	1"1/4	47°C	20	220/380 ac	30
CI-CSA7-38-A-47	CSA7	230	1"1/4	47°C	20	220/380 ac	30
CI-CSA7-38-A-47-2P	CSA7	140	1"1/4	47°C	20	220/380 ac	30
CI-CSA8-38-A-47	CSA8	280	1"1/2	47°C	20	220/380 ac	30
CI-CSA8-38-A-47-2P	CSA8	180	1"1/2	47°C	20	220/380 ac	30
CI-CSA10-38-A-47	CSA10	320	1"1/2	47°C	20	220/380 ac	30
CI-CSA10-38-A-47-2P	CSA10	180	1"1/2	47°C	20	220/380 ac	30
CI-CSA12-38-A-47	CSA12	360	1"1/2	47°C	20	220/380 ac	30
CI-CSA12-38-A-47-2P	CSA12	210	1"1/2	47°C	20	220/380 ac	30
CI-CSA14-38-A-47	CSA14	440	1"1/2	47°C	20	220/380 ac	30
CI-CSA14-38-A-47-2P	CSA14	260	1"1/2	47°C	20	220/380 ac	30
CI-CSA15-38-A-47	CSA15	480	1"1/2	47°C	20	220/380 ac	30
CI-CSA15-38-A-47-2P	CSA15	280	1"1/2	47°C	20	220/380 ac	30
CI-CSA16-38-A-47	CSA16	520	1"1/2	47°C	20	220/380 ac	30
CI-CSA16-38-A-47-2P	CSA16	330	1"1/2	47°C	20	220/380 ac	30
CI-CSA18-38-A-47	CSA18	500	2"	47°C	20	220/380 ac	30
CI-CSA20-38-A-47	CSA20	500	2"	47°C	20	220/380 ac	30
CI-CSA22-38-A-47	CSA22	580	2"1/2	47°C	20	220/380 ac	30
CI-CSA24-38-A-47	CSA24	580	2"1/2	47°C	20	220/380 ac	30

INTERCAMBIADORES CSK PARA CAUDAIS DE 5 A 60 L/M
CSK HEAT EXCHANGERS FLOWS FROM 5 TO 60 L/M
INTERCAMBIADORES CSK PARA CAUDALES DE 5 A 60 L/M

Ref.	Type	Q (l/min.)			Rang.		Volt.	
CI-CSK2-12-A-60	CSK2	55	26x150	1"1/4	60°C	5	12 dc	5
CI-CSK2-24-A-60	CSK2	55	26x150	1"1/4	60°C	5	24 dc	5
CI-CSK3-12-A-60	CSK3	60	26x150	1"1/4	60°C	5	12 dc	5
CI-CSK3-24-A-60	CSK3	60	26x150	1"1/4	60°C	5	24 dc	5

INTERCAMBIADORES AGUA/ÓLEO CSW PARA CAUDAIS DE 30 A 400 L/M
CSW WATER/OIL HEAT EXCHANGERS FLOWS FROM 30 TO 400 L/M
INTERCAMBIADORES AGUA/ACEITE CSW PARA CAUDALES DE 30 A 400 L/M

Ref.	Type	Q (l/min.)			
CI-CSW1-14-2	CSW1	30	3/8	12	18
CI-CSW1-26-2	CSW1	40	3/8	12	18
CI-CSW1-44-2	CSW1	50	3/8	12	18
CI-CSW1-9-2I	CSW1	30	3/8	12	18
CI-CSW1-19-2I	CSW1	40	3/8	12	18
CI-CSW2-12-2	CSW2	50	1/2	12	18
CI-CSW2-28-2	CSW2	60	1/2	12	18
CI-CSW2-53-2	CSW2	80	1/2	12	18
CI-CSW2-18-2I	CSW2	60	1/2	12	18
CI-CSW3-15-4	CSW3	70	1/2	12	18
CI-CSW3-31-4	CSW3	90	1/2	12	18
CI-CSW3-38-4	CSW3	90	1/2	12	18
CI-CSW3-56-4	CSW3	90	1/2	12	18
CI-CSW3-71-4	CSW3	130	1/2	12	18
CI-CSW3-87-4	CSW3	140	1/2	12	18
CI-CSW4-31-4	CSW4	125	1/2	12	18
CI-CSW4-38-4	CSW4	125	1/2	12	18
CI-CSW4-56-4	CSW4	155	1/2	12	18
CI-CSW4-71-4	CSW4	185	1/2	12	18
CI-CSW4-87-4	CSW4	195	1/2	12	18
CI-CSW5-28-4	CSW5	170	1"	12	18
CI-CSW5-53-4	CSW5	220	1"	12	18
CI-CSW5-84-4	CSW5	300	1"	12	18
CI-CSW5-99-4	CSW5	310	1"	12	18
CI-CSW6-28-4	CSW6	160	1"	12	18
CI-CSW6-53-4	CSW6	230	1"	12	18
CI-CSW6-54-4	CSW6	300	1"	12	18
CI-CSW6-83-4	CSW6	420	1"	12	18
CI-CSW6-84-4	CSW6	270	1"	12	18
CI-CSW6-99-4	CSW6	310	1"	12	18
CI-CSW6-113-4	CSW6	450	1"	12	18
CI-CSW6-114-4	CSW6	320	1"	12	18
CI-CSW7-47-4	CSW7	455	1"1/2	12	18
CI-CSW7-77-4	CSW7	525	1"1/2	12	18
CI-CSW7-108-4	CSW7	570	1"1/2	12	18
CI-CSW7-138-4	CSW7	570	1"1/2	12	18
CI-CSW8-74-4	CSW8	134	2"	12	18
CI-CSW8-104-4	CSW8	186	2"	12	18
CI-CSW8-135-4	CSW8	239	2"	12	18
CI-CSW8-165-4	CSW8	291	2"	12	18

INTERCAMBIADORES AUTÓNOMOS AR/ÓLEO PARA CAUDAIS DE 30 A 50 L/M
AUTONOMOUS HEAT EXCHANGERS AIR/OIL FLOWS FROM 30 TO 50 L/M
INTERCAMBIADORES AUTÓNOMOS AIRE/ACEITE PARA CAUDALES DE 30 A 50 L/M

Ref.	Type	Q (l/min.)		Rang.		Volt.	
CI-SRA1-22-A-47	SRA1	30	3/4	47	20	220 ac	30
CI-SRA1-38-A-47	SRA1	30	3/4	47	20	380 ac	30
CI-SRA2-22-A-47	SRA2	30	3/4	47	20	220 ac	30
CI-SRA2-38-A-47	SRA2	30	3/4	47	20	380 ac	30
CI-SRA3-22-A-47	SRA3	30	3/4	47	20	220 ac	30
CI-SRA3-38-A-47	SRA3	30	3/4	47	20	380 ac	30
CI-SRA4-22-A-47	SRA4	50	3/4	47	20	220 ac	30
CI-SRA4-38-A-48	SRA4	50	3/4	47	20	380 ac	30
CI-SRA5-22-A-47	SRA5	50	3/4	47	20	220 ac	30
CI-SRA5-38-A-47	SRA5	50	3/4	47	20	380 ac	30
CI-SRA6-22-A-47	SRA6	50	3/4	47	20	220 ac	30
CI-SRA6-38-A-47	SRA6	50	3/4	47	20	380 ac	30

ACESSÓRIOS INTERCAMBIADORES / HEAT EXCHANGERS ACCESORIES / ACCESORIOS INTERCAMBIADORES

ELETROVENTOINHAS / ELECTRICAL FUNS / ELECTROVENTILADORES

Ref.	Type	∅	Volt.
CI-10701121	CSL05	167	12 dc
CI-10701131	CSL05	167	24 dc
CI-10700261	CSL05	170	220 ac
CI-10700251	CSL05	170	380 ac
CI-10701001	CLS1-CSL4	225	12 dc
CI-10701011	CLS1-CSL4	225	24 dc
CI-10700021	CLS1	200	220 ac
CI-10700011	CLS1	200	380 ac
CI-10701041	CSL2-CSL5-CSA5	255	12 dc
CI-10701051	CSL2-CSL5-CSA5	255	24 dc
CI-10700061	CSL2	250	220 ac
CI-10700051	CSL2	250	380 ac
CI-10701081	CSL3-CSA3-CSA4-CSA6	305	12 dc
CI-10701091	CSL3-CSA3-CSA4-CSA6	305	24 dc
CI-10700101	CSL3	300	220 ac
CI-10700091	CSL3	300	380 ac
CI-10700421	CSL4	400	220 ac
CI-10700151	CSL4-CSA10	400	380 ac
CI-10700171	CSL5-CSA5	450	380 ac
CI-10700131	CSA3-CSA4	350	380 ac
CI-10700401	CSA3-CSA4	350	220 ac
CI-10700191	CSA6-CSA12-CSA14	500	380 ac
CI-10700211	CSA7-CSA15-CSA16-CSA18-CSA22	560	380 ac
CI-10700231	CSA8-CSA20-CSA24	630	380 ac

TERMOSTATOS (ºC) / THERMOSTATS (ºC) / TERMOSTATOS (ºC)

Ref.	Type	Long. (mm)		Rang.
CI-TF47	TF47		1/2	47°C
CI-TF60	TF60		1/2	60°C
CI-TR100	TR100	100	1/2	0-90°C
CI-TR200	TR200	200	1/2	0-90°C

ACUMULADORES / ACCUMULATORS / ACUMULADORES

DE MEMBRANA / MEMBRANE ACCUMULATORS / DE MEMBRANA

Ref.	Volum.	∅		
ACU040000000	0,35	70	M 18x1,5	250
ACU040000001	0,5	92	M 18x1,5	250
ACU040000002	0,75	92	M 18x1,5	250
ACU040000002.5	1	115	M 18x1,5	250
ACU040000003	1,4	115	M 18x1,5	250
ACU040000004	2	115	M 18x1,5	250

DE BEXIGA /BLADDER ACCUMULATORS / DE VEJIGA

Ref.	Volum.	∅		
ACU050000000	1,5	115	M 18x1,5	350
ACU050000001	2,5	114	1"1/4	350
ACU050000002	4,5	168	1"1/4	350
ACU050000003	6	168	1"1/4	350
ACU050000004	10	168	1"1/4	350
ACU050000005	20	223	2"	350
ACU050000006	25	223	2"	350
ACU050000007	35	223	2"	350
ACU050000008	50	223	2"	350

ACESSÓRIOS / ACCESORIES / ACCESORIOS

ABRAÇADEIRAS (ACUMULADORES) / CLAMPS (ACCUMULATORS) / ABRAZADERAS (ACUMULADORES)

Ref.	Type	∅
ACU060001	CR-114	114
ACU060002	CR-168	168
ACU060003	CR-223	223

SUPORTES DE ACUMULADOR / ACCUMULATOR BRACKETS / MENSOLAS DE ACUMULADOR

Ref.	Type	∅
ACU060101	MCR-168	168
ACU060102	MCR-223	223

KITS DE RECARGA / CONTROL AND LOAD EQUIPMENTS / EQUIPOS DE CONTROL Y DE CARGA

KIT EQUIPAMENTO CONTROLE/CARREGA COM MANÓMETRO+FLEXÍVEL / CONTROL/LOAD TESTING UNIT WITH PRESSURE GAUGE+FLEXIBLE / MALETÍN EQUIPO CONTROL/CARGA CON MANÓMETRO+FLEXIBLE

Ref.	Type		Rang.
ACU090001	AR 1.0	5/8"-UNF	0 a 6
ACU090002	AR 1.1	5/8"-UNF	0 a 16
ACU090003	AR 1	5/8"-UNF	0 a 40
ACU090004	AR 2	5/8"-UNF	0 a 60
ACU090005	AR 3	5/8"-UNF	0 a 100
ACU090006	AR 4	5/8"-UNF	0 a 160
ACU090007	AR 5	5/8"-UNF	0 a 250
ACU090008	AR 6	5/8"-UNF	0 a 400

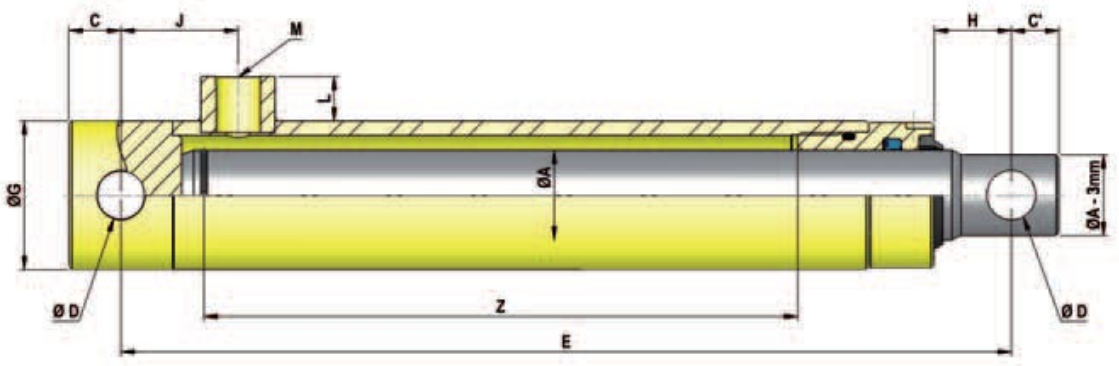
/ CILINDROS STANDARD E SEMI-STANDARD

STANDARD AND SEMI STANDARD CILINDERS
CILINDROS ESTÁNDAR Y SEMI ESTÁNDAR

VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

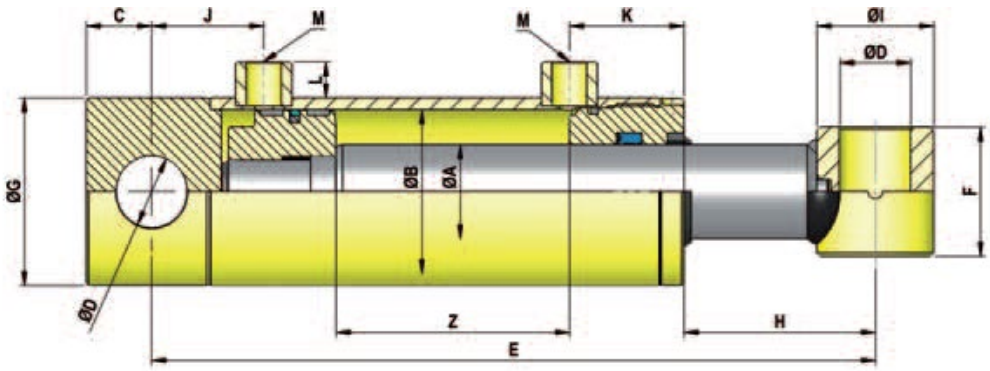
SIMPLES EFEITO (S 600) / SINGLE ACTING STARDARD CYLIDERS (S 600) / CILINDROS ESTÁNDAR DE SIMPLE EFECTO (S 600

TABELA INFO. / INFO. TABLE / TABLA INFO.: P49



DUPLO EFEITO (S 700) / DOUBLE ACTING STANDARD CYLINDERS (S 700) / CILINDROS ESTÁNDAR DE DOBLE EFECTO (S 700)

TABELA INFO. / INFO. TABLE / TABLA INFO.: P51



SIMPLES EFEITO (S 600)
SINGLE ACTING STARDARD CYLIDERS (S 600)
CILINDROS ESTÁNDAR DE SIMPLE EFECTO (S 600

REF.	øA	Z Corrida *Stroke* Z Carrera	E	C/C´	D	G	H	J	O	P	L	M BSP	Vol. (L)	Jogo de juntas *Seal kit* Juego de juntas	Peso (kg) *Weight* Peso (kg)
625/10	25	100	190	14/14	14,2	40	24	40			9,5	1/4	0,08	J625	1,5
625/20		200	290										0,16		2,3
625/30		300	390										0,24		3
630/2	30	200	300	17,5/16	16,2	50	26	42			15	3/8	0,25	J630	3,6
630/3		300	400										0,38		4,7
630/4		400	500										0,5		6
630/5		550	650										0,69		7,6
630/7		700	800										0,88		9,4
635/2	35	200	330	22/20	20,25	55	32	47			15	3/8	0,32	J635	4,7
635/3		300	430										0,48		6,1
635/4		400	530										0,64		7,5
635/5		550	680										0,87		9,6
635/7		700	830										1,11		11,7
640/2	40	200	330	22/22	23	60	32	47			15	3/8	0,39	J640	6
640/3		300	430										0,59		7,6
640/4		400	530										0,79		9,3
640/5		550	680										1,08		11,7
640/7		700	830										1,37		14,2
645/2	45	200	330	22/22	23	60	34	47	70	77	15	3/8	0,39	J645	7
645/3		300	430										0,59		8,9
645/4		400	530										0,79		10,9
645/5		550	680										1,08		13,7
645/7		700	830										1,37		16,7
650/2	50	200	360	25/25	25,25	65	49	50	75	80	15	3/8	0,48	J650	8,9
650/3		300	460										0,71		11,2
650/4		400	560										0,95		13,5
650/5		550	710										1,31		16,8
650/7		700	860										1,66		20,4
655/3	55	300	460	22/25	25,25	70	41	50	85	95	15	3/8	0,85	J655	13,6
655/5		550	710										1,56		20,1
655/7		700	860										1,98		24,2
660/2	60	200	360	25/25	25,25	75	36	50	90	95	15	3/8	0,66	J660	12,6
660/3		300	460										1		15,7
660/4		400	560										1,33		18,7
660/5		550	710										1,83		23,3
660/7		700	860										2,32		28,4
670/3	70	300	495	28/28	30,5	90	50	58	108	110	17	1/2	1,33	J670	25,1
670/4		400	595										1,77		29,6
670/5		550	745										2,43		36,5
670/7		700	895										3,09		43,4

DUPLO EFEITO (S 700)
DOUBLE ACTING STANDARD CYLINDERS (S 700)
CILINDROS ESTÁNDAR DE DOBLE EFECTO (S 700)

REF.	øA	øB	Z Corrida *Stroke* Z Carrera	E	C	D	F	G	H	I	J	K	L	M BSP	Vol. (L)	Juntas *Seals* Juntas	Peso (kg) *Weight* Peso (kg)
700/05			50	205											0,04		1,7
700/10			100	255											0,08		2,0
700/15			150	305											0,12		2,3
700/20			200	355											0,16		2,6
700/30	20	32	300	455	16	16,2	35	40	28	30	47	35	9,5	1/4	0,24	J70N	3,2
700/400			400	555											0,32		3,6
700/500			500	655											0,40		4,2
700/600			600	755											0,48		4,8
700/700			700	855											0,56		5,3
700/1000			1000	1155											0,80		7,2
701/1			100	270											0,13		2,9
701/150			150	320											0,19		3,4
701/2			200	370											0,25		3,8
701/250			250	420											0,31		4,4
701/3	25	40	300	470	17,5	20,25	40	50	64,5	35	37,5	40	15	3/8	0,38	J71N	4,7
701/4			400	570											0,50		5,7
701/450			450	620											0,57		6,2
701/5			500	670											0,63		6,6
701/600			600	770											0,75		7,6
701/700			700	870											0,88		8,6
701/800			800	970											1,01		9,5
701/1000			1000	1170											1,26		11,5
702/1			100	300											0,20		4,3
702/150			150	350											0,29		5,1
702/2			200	400											0,39		5,6
702/250			250	450											0,49		6,3
702/3			300	500											0,59		6,8
702/350			350	550											0,69		7,6
702/4	30	50	400	600	22	25,25	45	60	85	40	42	43	15	3/8	0,79	J72N	8,0
702/5			500	700											0,98		9,5
702/6			600	800											1,18		10,5
702/7			700	900											1,37		11,7
702/800			800	1000											1,57		13,1
702/900			900	1100											1,77		14,3
702/1000			1000	1200											1,96		15,5
703/1			100	300											0,28		5,4
703/150			150	350											0,42		6,3
703/2	30	60	200	400	22	25,25	45	70	83	40	46	45	15	3/8	0,57	J73N	7,0
703/250			250	450											0,71		7,63
703/3			300	500											0,85		8,1

DUPLO EFEITO (S 700)
DOUBLE ACTING STANDARD CYLINDERS (S 700)
CILINDROS ESTÁNDAR DE DOBLE EFECTO (S 700)

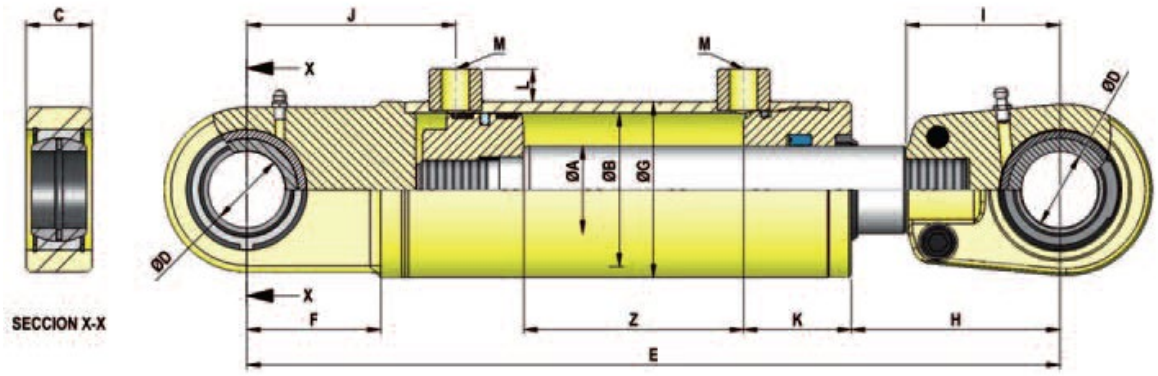
REF.	øA	øB	Z Corrida *Stroke Course*	E	C	D	F	G	H	I	J	K	L	M BSP	Vol. (L)	Juntas *Seals Juntas*	Peso (kg) *Weight* Peso (kg)
703/350			350	550											0,99		9,1
703/4			400	600											1,13		9,5
703/5			500	700											1,41		10,8
703/6	30	60	600	800	22	25,25	45	70	83	40	46	45	15	3/8	1,70	J73N	12,2
703/7			700	900											1,98		13,5
703/800			800	1000											2,26		15,0
703/1000			1000	1200											2,83		17,8
704/2			200	410											0,77		10,0
704/250			250	460											0,96		11,2
704/3			300	510											1,15		11,9
704/350			350	560											1,35		12,9
704/4	40	70	400	610	28	30,5	55	80	82	50	48	49	15	3/8	1,54	J74N	13,7
704/5			500	710											1,92		15,6
704/6			600	810											2,31		17,5
704/7			700	910											2,69		19,4
704/800			800	1010											3,08		21,5
704/1000			1000	1210											3,85		25,3
705/2			200	410											1,01		12,0
705/250			250	460											1,26		13,0
705/3			300	510											1,51		14,0
705/350			350	560											1,76		15,1
705/4	40	80	400	610	28	30,5	55	90	70	50	48	54	15	3/8	2,01	J75N	16,0
705/5			500	710											2,51		18,1
705/6			600	810											3,02		20,1
705/7			700	910											3,52		22,1
705/800			800	1010											4,02		24,2
706/3			300	525											2,36		25,6
706/4			400	625											3,14		28,5
706/5	50	100	500	725	28	30,5	70	115	75	60	48	17	17	1/2	3,93	J76N	31,4
706/7			700	925											5,50		37,2
706/9			900	1125											7,07		43,0
707/5	70	120	500	770	40	40,5	80	140	55	80	65	17	17	1/2	5,65	J77	60,0
707/10			1000	1270											11,31		90,0

DUPLO EFEITO (S 1000)
DOUBLE ACTING STANDARD CYLINDERS (S 1000)
CILINDROS ESTÁNDAR DE DOBLE (S 1000)

REF.	ø A	ø B	Z Corrida *Stroke* *Course*	E	C	D	F	G	H	I	J	K	L	M BSP	Vol. (L)	Jogo de juntas *Seal kit* Juego de juntas	Peso (kg) *Weight* Peso (kg)
1000/05			50	260											0,04		2,08
1000/10			100	310											0,08		2,38
1000/15	20	32	150	360	19	20	38	40	65	50	63	33	9,5	1/4	0,12	J70N	2,68
1000/20			200	410											0,16		2,98
1000/30			300	510											0,24		3,28
1001/1			100	305											0,13		3,34
1001/2			200	405											0,25		4,28
1001/3	25	40	300	505	19	20	38	50	70	50	67	40	15	3/8	0,38	J71N	5,23
1001/4			400	605											0,50		6,18
1001/5			500	705											0,63		7,13
1002/1			100	320											0,20		4,44
1002/150			150	370											0,29		5,17
1002/2			200	420											0,39		5,62
1002/250			250	470											0,49		6,40
1002/3			300	520											0,59		6,80
1002/350	30	50	350	570	23	25	45	60	71	50	76	43	15	3/8	0,69	J72N	7,63
1002/4			400	620											0,79		7,98
1002/450			450	670											0,89		8,86
1002/5			500	720											0,98		9,16
1002/6			600	820											1,18		10,34
1002/7			700	920											1,37		11,52
1003/1			100	340											0,28		6,15
1003/2			200	440											0,57		7,51
1003/3			300	540											0,85		8,87
1003/4	30	60	400	640	28	30	51	70	83	60	82	45	15	3/8	1,13	J73N	10,23
1003/5			500	740											1,41		11,59
1003/6			600	840											1,70		12,95
1003/7			700	940											1,98		14,31
1004/2			200	470											0,77		11,03
1004/3			300	570											1,15		12,94
1004/4			400	670											1,54		14,85
1004/5	40	70	500	770	30	35	61	80	95	70	94	49	15	3/8	1,92	J74N	16,76
1004/6			600	870											2,31		18,67
1004/7			700	970											2,69		20,58
1004/800			800	1070											3,07		22,33

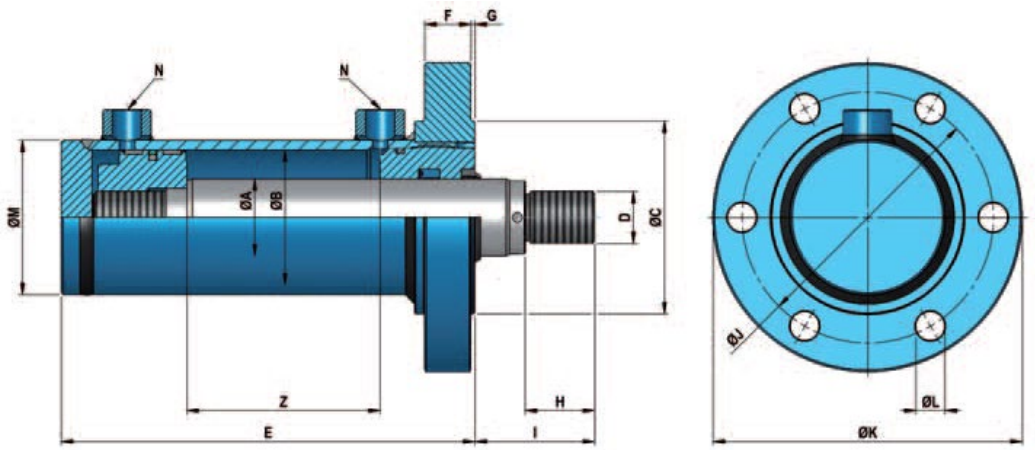
DUPLO EFEITO (S 1000)
DOUBLE ACTING STANDARD CYLINDERS (S 1000)
CILINDROS ESTÁNDAR DE DOBLE EFECTO (S1000)

REF.	øA	øB	Z Corrida *Stroke* *Course*	E	C	D	F	G	H	I	J	K	L	M BSP	Vol. (L)		Peso (kg) *Weight* *Poids*
1005/2	40	80	200	480	30	35	61	90	93	70	94	54	15	3/8	1,01	J75N	12,95
1005/3			300	580											1,51		14,98
1005/4			400	680											2,01		17,01
1005/5			500	780											2,51		19,04
1005/6			600	880											3,01		21,07
1005/7			700	980											3,51		23,10
1006/3	50	100	300	625	35	40	69	115	118	85	104	60	17	1/2	2,36	J76N	26,37
1006/4			400	725											3,14		29,89
1006/5			500	825											3,93		33,41
1006/7			700	1025											5,50		40,45
1006/9			900	1225											7,07		47,49
1007/5	70	125	500	920	40	50	88	145	137	105	141	80	20	3/4	6,18	J77	65,70
1007/10			1000	1420											12,36		97,45



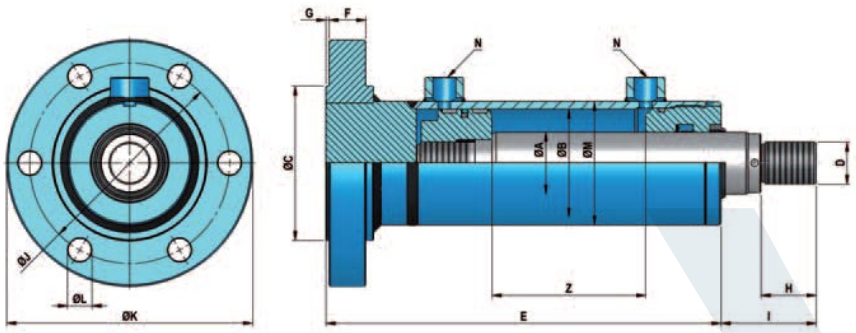
FIXAÇÃO FRONTAL
FRONT-BRIDLE D.A. CYLINDERS (S 8000)
CILINDROS D.E. BRIDA DELANTERA (S 8000)

REF.	Ø A	Ø B	E	C	D	F	G	H	I	J	K	L	M	N BSP
8000/Z	20	32	107 + Z	52	M14x1,5	15	2	18	35	67	80	7	42	1/4
8001/Z	22	40	97 + Z	60	M16x1,5	15	2	22	40	82	100	9	50	3/8
8002/Z	25													
8003/Z	28													
8004/Z	25	50	104 + Z	75	M20x1,5	18	2	28	48	103	125	11	60	3/8
8005/Z	28													
8006/Z	30													
8007/Z	36													
8008/Z	30	60	106+ Z	90	M27x2	20	2	36	58	120	145	13	70	3/8
8009/Z	35													
8010/Z	40													
8011/Z	36	63	106 + Z	90	M27x2	20	2	36	58	120	145	13	75	3/8
8012/Z	40													
8013/Z	45													
8014/Z	35	70	114 + Z	100	M27x2	24	2	36	58	130	160	15	85	3/8
8015/Z	40													
8016/Z	45													
8017/Z	36	80	126 + Z	110	M33x2	28	2	45	68	142	170	15	95	3/8
8018/Z	40													
8019/Z	45													
8020/Z	50													
8021/Z	56													
8022/Z	45	100	138 + Z	135	M42x2	30	3	56	85	170	202	17	115	1/2
8023/Z	50													
8024/Z	56													
8025/Z	60													
8026/Z	70													
8027/Z	70	125	210 + Z	170	M48x2	40	3	63	92	210	250	21	145	3/4
8028/Z	90													
8029/Z	80	140	225 + Z	190	M64x3	40	3	85	120	230	280	21	160	3/4
8030/Z	90	160	238 + Z	215	M80x3	54	3	95	130	270	320	29	180	1
8031/Z	110													
8032/Z	110	200	278 + Z	270	M80x3	65	3	95	130	330	385	32	230	1



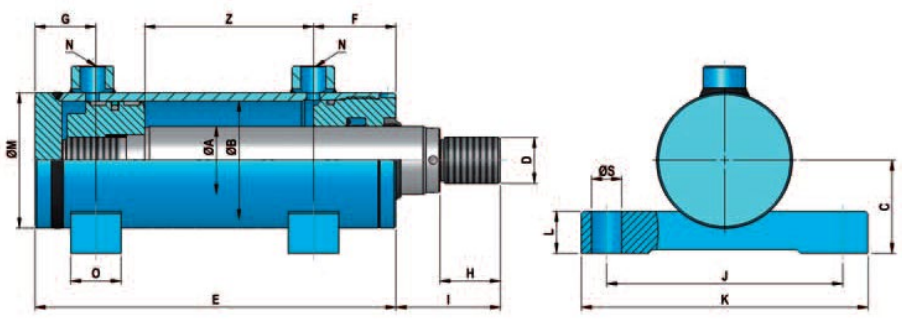
FIXAÇÃO DE TRASEIRA
BOTTOM-BRIDLE D.A. CYLINDERS (S 8100)
CILINDROS D.E. BRIDA TRASERA (S 8100)

REF.	Ø A	Ø B	E	C	D	F	G	H	I	J	K	L	M	N BSP
8100/Z	20	32	125 + Z	52	M14x1,5	15	2	18	35	67	80	7	42	1/4
8101/Z	22	40	130 + Z	60	M16x1,5	15	2	22	40	82	100	9	50	3/8
8102/Z	25													
8103/Z	28													
8104/Z	25	50	139 + Z	75	M20x1,5	18	2	28	48	103	125	11	60	3/8
8105/Z	28													
8106/Z	30													
8107/Z	36													
8108/Z	30	60	149 + Z	90	M27x2	20	2	36	58	120	145	13	70	3/8
8109/Z	35													
8110/Z	40													
8111/Z	36	63	149 + Z	90	M27x2	20	2	36	58	120	145	13	75	3/8
8112/Z	40													
8113/Z	45													
8114/Z	35	70	157 + Z	100	M27x2	24	2	36	58	130	160	15	85	3/8
8115/Z	40													
8116/Z	45													
8117/Z	36	80	171 + Z	110	M33x2	28	2	45	68	142	170	15	95	3/8
8118/Z	40													
8119/Z	45													
8120/Z	50													
8121/Z	56													
8122/Z	45	100	185 + Z	135	M42x2	30	3	56	85	170	202	17	115	1/2
8123/Z	50													
8124/Z	56													
8125/Z	60													
8126/Z	70													
8127/Z	70	125	260 + Z	170	M48x2	40	3	63	92	210	250	21	145	3/4
8128/Z	90													
8129/Z	80	140	275 + Z	190	M64x3	40	3	85	120	230	280	21	160	3/4
8130/Z	90	160	308 + Z	215	M80x3	54	3	95	130	270	320	29	180	1
8131/Z	110													
8132/Z	110	200	363 + Z	270	M80x3	65	3	95	130	330	385	32	230	1



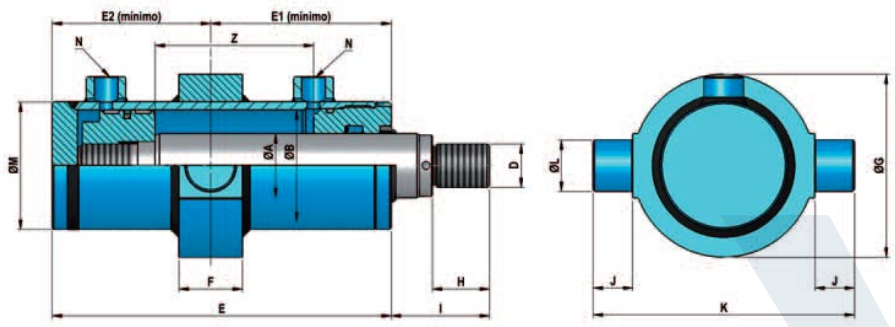
FLIXAÇÃO DE PATAS (S 8500)
FOOT-FASTENING D.A. CYLINDERS (S 8500)
CILINDROS D.E. FIJACIÓN POR PATAS (S 8500)

REF.	Ø A	Ø B	E	C	D	F	G	H	I	J	K	L	M	N BSP	O	S
8500/Z	20	32	107 + Z	28	M14x1,5	35	29	18	35	75	95	16	42	1/4	20	11
8501/Z	22															
8502/Z	25	40	97 + Z	35	M16x1,5	40	32	22	40	94	118	20	50	3/8	25	13
8503/Z	28															
8504/Z	25															
8505/Z	28	50	104 + Z	40	M20x1,5	43	35	28	48	105	130	20	60	3/8	25	15
8506/Z	30															
8507/Z	36															
8508/Z	30															
8509/Z	35	60	106 + Z	50	M27x2	45	34	36	58	130	160	25	70	3/8	30	17
8510/Z	40															
8511/Z	36															
8512/Z	40	63	106 + Z	50	M27x2	45	34	36	58	130	160	25	75	3/8	30	17
8513/Z	45															
8514/Z	35															
8515/Z	40	70	114 + Z	55	M27x2	49	36	36	58	140	170	25	80	3/8	30	18
8516/Z	45															
8517/Z	36															
8518/Z	40															
8519/Z	45	80	126 + Z	62	M33x2	54	36	45	68	160	195	30	95	3/8	40	19
8520/Z	50															
8521/Z	56															
8522/Z	45															
8523/Z	50															
8524/Z	56	100	138 + Z	73	M42x2	60	38	56	85	185	225	30	115	1/2	40	23
8525/Z	60															
8526/Z	70															
8527/Z	70	125	210 + Z	88	M48x2	82	48	63	92	220	265	35	145	3/4	45	25
8528/Z	90															
8529/Z	80	140	225 + Z	100	M64x3	90	58	85	120	250	300	40	160	3/4	50	30
8530/Z	90	160	238 + Z	115	M80x3	100	58	95	130	295	355	40	180	1	60	35
8531/Z	110															
8532/Z	110	200	278 + Z	140	M80x3	111	63	95	130	355	425	50	230	1	70	41



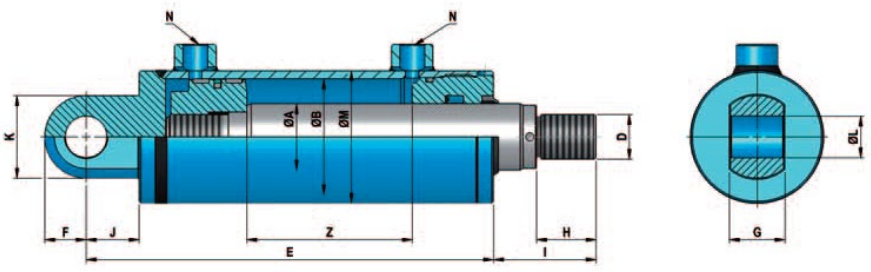
FIXAÇÃO DE MUNHÃO (S 8200)
D.A. CYLINDERS WITH TRUNNION (S 8200)
CILINDROS D.E. BRIDA DE MUÑONES (S 8200)

REF.	Ø A	Ø B	E	E1	E2	D	F	G	H	I	J	K	L	M	N BSP
8200/Z	20	32	107 + Z	65	58	M14x1,5	20	56	18	35	12	80	16	42	1/4
8201/Z	22	40	97 + Z	74	64	M16x1,5	24	70	22	40	16	102	20	50	3/8
8202/Z	25														
8203/Z	28														
8204/Z	25	50	104 + Z	80	69	M20x1,5	30	85	28	48	20	125	25	60	3/8
8205/Z	28														
8206/Z	30														
8207/Z	36														
8208/Z	30	60	106 + Z	84	70	M27x2	35	100	36	58	25	150	30	70	3/8
8209/Z	35														
8210/Z	40														
8211/Z	36	63	106 + Z	84	70	M27x2	40	105	36	58	25	155	32	75	3/8
8212/Z	40														
8213/Z	45														
8214/Z	35	70	114 + Z	90	75	M27x2	40	115	36	58	25	165	32	80	3/8
8215/Z	40														
8216/Z	45														
8217/Z	36	80	126 + Z	95	75	M33x2	40	125	45	68	25	175	32	95	3/8
8218/Z	40														
8219/Z	45														
8220/Z	50														
8221/Z	56														
8222/Z	45	100	138 + Z	106	82	M42x2	45	156	56	85	32	220	40	115	1/2
8223/Z	50														
8224/Z	56														
8225/Z	60														
8226/Z	70														
8227/Z	70	125	210 + Z	140	115	M48x2	55	190	63	92	40	270	50	145	3/4
8228/Z	90														
8229/Z	80	140	225 + Z	155	120	M64x3	65	220	85	120	50	320	55	160	3/4
8230/Z	90	160	238 + Z	175	130	M80x3	70	250	95	130	50	350	63	180	1
8231/Z	110														
8232/Z	110	200	278 + Z	190	145	M80x3	90	300	95	130	63	426	80	230	1



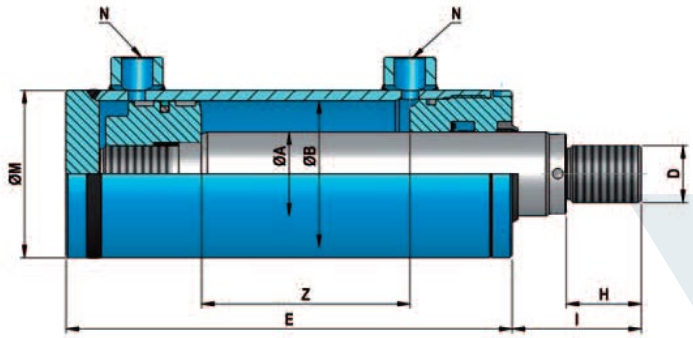
FIXAÇÃO OLHAL TRASEIRA (S 8300)
BOTTOM-HINGE D.A. CYLINDERS (S 8300)
CILINDROS D.E. CHARNELA TRASERA

REF.	Ø A	Ø B	E	D	F	G	H	I	J	K	L	M	N BSP
8300/Z	20	32	127 + Z	M14x1,5	13	16	18	35	20	26	12	42	1/4
8301/Z	22												
8302/Z	25	40	122 + Z	M16x1,5	16	20	22	40	25	32	16	50	3/8
8303/Z	28												
8304/Z	25												
8305/Z	28	50	132 + Z	M20x1,5	20	25	28	48	28	40	20	60	3/8
8306/Z	30												
8307/Z	36												
8308/Z	30												
8309/Z	35	60	138 + Z	M27x2	25	32	36	58	32	50	25	70	3/8
8310/Z	40												
8311/Z	36												
8312/Z	40	63	138 + Z	M27x2	25	32	36	58	32	50	25	75	3/8
8313/Z	45												
8314/Z	35												
8315/Z	40	70	146 + Z	M27x2	25	32	36	58	32	50	25	80	3/8
8316/Z	45												
8317/Z	36												
8318/Z	40												
8319/Z	45	80	171 + Z	M33x2	32	40	45	68	45	64	32	95	3/8
8320/Z	50												
8321/Z	56												
8322/Z	45												
8323/Z	50												
8324/Z	56	100	193 + Z	M42x2	40	50	56	85	55	80	40	115	1/2
8325/Z	60												
8326/Z	70												
8327/Z	70	125	275 + Z	M48x2	50	60	63	92	65	100	50	145	3/4
8328/Z	90												
8329/Z	80	140	295 + Z	M64x3	56	65	85	120	70	112	56	160	3/4
8330/Z	90	160	313 + Z	M80x3	63	80	95	130	75	126	63	180	1
8331/Z	110												
8332/Z	110	200	373 + Z	M80x3	80	100	95	130	95	160	80	230	1



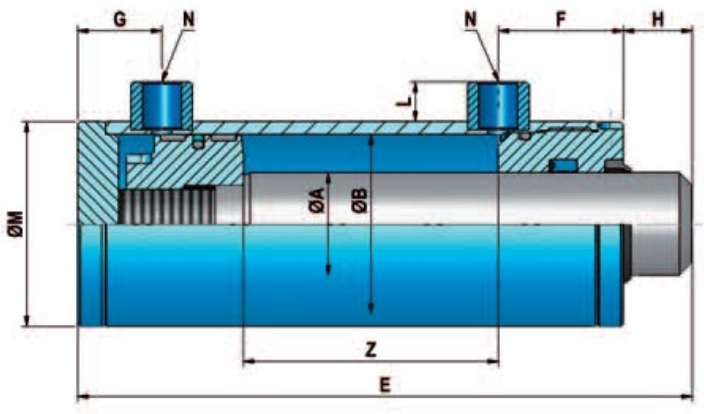
FIXAÇÃO SIMPLES COM ROSCA
THREADED-ROD D.A. CYLINDERS (S 8400)
CILINDROS D.E. VÁSTAGO ROSCADO (S 8400)

REF.	Ø A	Ø B	E	D	H	I	M	N BSP
8400/Z	20	32	107 + Z	M14x1,5	18	35	40-42	1/4
8401/Z	22	40	97 + Z	M16x1,5	22	40	50	3/8
8402/Z	25							
8403/Z	28							
8404/Z	25	50	104 + Z	M20x1,5	28	48	60	3/8
8405/Z	28							
8406/Z	30							
8407/Z	36							
8408/Z	30	60	106 + Z	M27x2	36	58	70	3/8
8409/Z	35							
8410/Z	40							
8411/Z	36	63	106 + Z	M27x2	36	58	75	3/8
8412/Z	40							
8413/Z	45							
8414/Z	35	70	114 + Z	M27x2	36	58	80	3/8
8415/Z	40							
8416/Z	45							
8417/Z	36	80	126 + Z	M33x2	45	68	90-95	3/8
8418/Z	40							
8419/Z	45							
8420/Z	50							
8421/Z	56							
8422/Z	45	100	138 + Z	M42x2	56	85	115	1/2
8423/Z	50							
8424/Z	56							
8425/Z	60							
8426/Z	70							
8427/Z	70	125	210 + Z	M48x2	63	92	145	3/4
8428/Z	90							
8429/Z	80	140	225 + Z	M64x3	85	120	160	3/4
8430/Z	90	160	238 + Z	M80x3	95	130	180	1
8431/Z	110							
8432/Z	110	200	278 + Z	M80x3	95	130	230	1



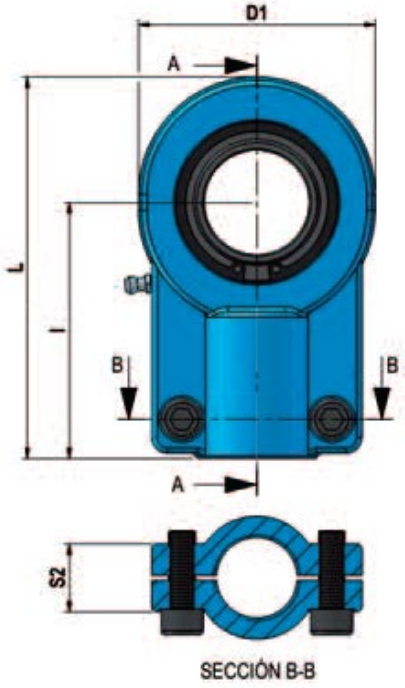
FIXAÇÃO SIMPLES SEM ROSCA (S 8600)
D.A. CYLINDERS WITH PLAIN ROD (S 8600)
CILINDROS D.E. VÁSTAGO LISO (S 8600)

REF.	ø A	ø B	ø M	E	H	G	F	L	N BSP
8600/Z	20	32	40	130 + Z	23	30	35	12	1/4"G
8601/Z	22	40	50	120 + Z	23	30	40	16	3/8"G
8602/Z	25								
8603/Z	28								
8604/Z	25	50	60	130 + Z	26	32	43	16	3/8"G
8605/Z	28								
8606/Z	30								
8607/Z	36								
8608/Z	30	60	70	130 + Z	24	32	45	16	3/8"G
8609/Z	35								
8610/Z	40								
8611/Z	36	63	75	130 + Z	24	32	45	16	3/8"G
8612/Z	40								
8613/Z	45								
8614/Z	35	70	80	140 + Z	26	34	49	16	3/8"G
8615/Z	40								
8616/Z	45								
8617/Z	36	80	90	150 + Z	24	34	54	16	3/8"G
8618/Z	40								
8619/Z	45								
8620/Z	50								
8621/Z	56								
8622/Z	45	100	115	170 + Z	32	36	60	18	1/2"G
8623/Z	50								
8624/Z	56								
8625/Z	60								
8626/Z	70								
8627/Z	70	125	145	230 + Z	35	58	80	20	3/4"G
8628/Z	90								
8629/Z	80	140	160	260 + Z	37	58	90	20	3/4"G
8630/Z	90	160	180	280 + Z	42	58	100	40	1"G
8631/Z	110								
8632/Z	110	200	230	330 + Z	52	63	110	40	1"G

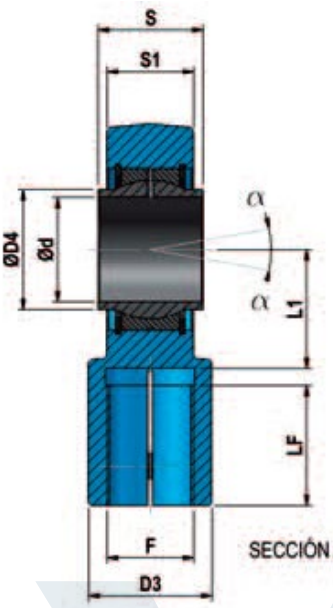


AMARRES - RÓTULA DIN 24338 / ISO 6982
ATTACHMENTS - BALL-JOINT DIN 24338 / ISO 6982
AMARRES - RÓTULA DIN 24338 / ISO 6982

REF.(*)	d	Tolerância *Tolerance* Tolerancia d	Tolerância *Tolerance* Tolerancia s	S	D4	l	D1	D2	S1	S2	L	L1	D3	LF	F	Coeficiente de carga límite *Limit load rate* Coeficiente de carga límite Dinâmico *Dynamic* Dinámico	Coeficiente de carga límite *Limit load rate* Coeficiente de carga límite **Estático** *Static* Estático	Jogo radial *Radial movement* Juego radial	Ângulo de oscilação / *Oscillation angle* / Ángulo de oscilación	Rosca parafuso de aperte *Pressure screw thread* Rosca tornillo de apriete	Par de aperte parafusos / *Screw tightening* / Par de apriete tornillos	Peso en Kg. *Weight* / Peso en Kg.
	mm															KN		mm				
TAPR 612 CE (1)	12	0÷ -0,018	0÷ -0,18	12	15,5	38	32	32	11	15	54	14	16	17	M12x1,25	10,8	24,5	0,023-0,068	4	M5x16	6	0,11
TAPR 616 CE	16	0÷ -0,018	0÷ -0,18	16	20	44	40	40	13	15	64	20	21	19	M14x1,5	17,6	36,5	0,030-0,082	4	M6x14	10	0,20
TAPR 620 CE	20	0÷ -0,021	0÷ -0,21	20	25	52	47	47	17	19	75	22	25	23	M16x1,5	30	48	0,030-0,082	4	M8x20	25	0,35
TAPR 625 CE	25	0÷ -0,021	0÷ -0,21	25	30,5	65	58	54	22	19	96	27	30	29	M20x1,5	48	78	0,037-0,100	4	M8x20	25	0,62
TAPR 632 CE	32	0÷ -0,025	0÷ -0,25	32	38	80	71	66	28	22	118	32	38	37	M27x2	67	114	0,037-0,100	4	M10x25	49	1,15
TAPR 640 CE	40	0÷ -0,025	0÷ -0,25	40	46	97	90	80	33	26	146	41	47	46	M33x2	100	204	0,043-0,120	4	M10x30	49	2,18
TAPR 650 CE	50	0÷ -0,025	0÷ -0,25	50	57	120	109	96	41	32	179	50	58	57	M42x2	156	310	0,043-0,120	4	M12x35	86	3,96
TAPR 663 CE	63	0÷ -0,030	0÷ -0,30	63	71,5	140	136	114	53	38	211	62	70	64	M48x2	255	430	0,055-0,142	4	M16x40	210	6,80
TAPR 670 CE (2)	70	0÷ -0,030	0÷ -0,30	70	79	160	155	135	57	42	245	70	80	76	M56x2	315	540	0,055-0,142	4	M16x40	210	9,60
TAPR 680 CE (2)	80	0÷ -0,030	0÷ -0,30	80	91	180	170	148	67	48	270	78	90	86	M64x3	400	695	0,055-0,142	4	M20x50	410	13,00
TAPR 690 CE (2)	90	0÷ -0,035	0÷ -0,35	90	99	195	185	160	72	52	296	85	100	91	M72x3	490	750	0,055-0,142	4	M20x60	410	19,10
TAPR 6100 CE (2)	100	0÷ -0,035	0÷ -0,35	100	113	210	211	178	85	62	322	98	110	96	M80x3	610	1060	0,065-0,165	4	M24x60	710	25,00
TAPR 6110 CE (2)	110	0÷ -0,035	0÷ -0,35	110	124	235	235	190	88	62	364	105	125	106	M90x3	610	1200	0,065-0,165	4	M24x60	710	32,00
TAPR 6125 CE (2)	125	0÷ -0,040	0÷ -0,40	125	138	260	265	200	103	72	405	120	135	113	M100x3	655	1430	0,065-0,165	4	M24x70	710	46,00
TAPR 6160 CE (2)	160	0÷ -0,040	0÷ -0,40	160	177	310	326	250	130	82	488	150	165	126	M125x4	950	2200	0,065-0,192	4	M24x80	710	82,50
TAPR 6200 CE (2)	200	0÷ -0,046	0÷ -0,46	200	221	390	418	320	162	102	620	195	215	161	M160x4	1370	3650	0,065-0,192	4	M30x100	1500	168,00



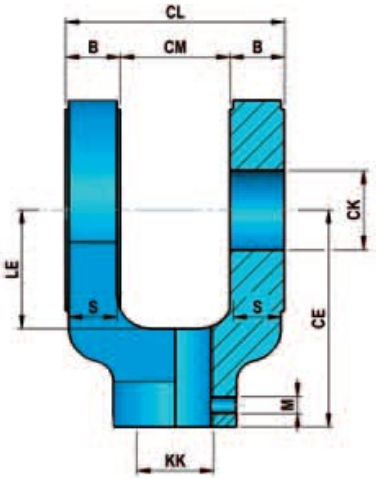
SECCIÓN B-B



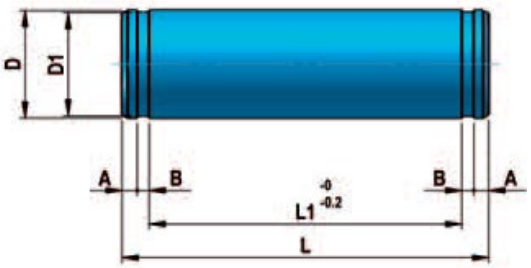
SECCIÓN A-A

AMARRES - FORQUILHA ISO 8133
ATTACHMENTS - FORK JOINT HINGE ISO 8133
AMARRES - HORQUILLA HEMBRA ISO 8133

REF.	CM	CK (H9)	CE	CL	ChF	KK	LE	ER	B	IR	S	Rosca del prisioneiro *Dowel* Rosca del prisionero
CF 1310	12	10	32	24	19	M10X1,25	13	12	6	10	5	M 5x5
CF 1312	16	12	36	32	21	M 12X1,25	19	17	8	15	7	M 5x5
CF 1314	20	14	38	40	21	M14X1,5	19	17	10	15	8	M 5x5
CF 1316	30	20	54	60	32	M16X1,5	32	29	15	26	13	M 6x6
CF 1320	30	20	60	60	32	M20X1,5	32	29	15	26	13	M 6x6
CF 1327	40	28	75	80	40	M27X2	39	34	20	30	17	M 6x6
CF 1333	50	36	99	100	56	M33X2	54	50	25	46	22	M 8x8
CF 1342	60	45	113	120	56	M42X2	57	53	30	49	27	M 8x8
CF 1348	70	56	126	140	75	M48X2	63	59	35	38	31	M 8x8
CF 1364	80	70	168	160	95	M64X3	83	78	40	45	37	M 12x12
CF 1380	80	70	168	160	95	M80X3	83	78	40	74	37	M 12x12

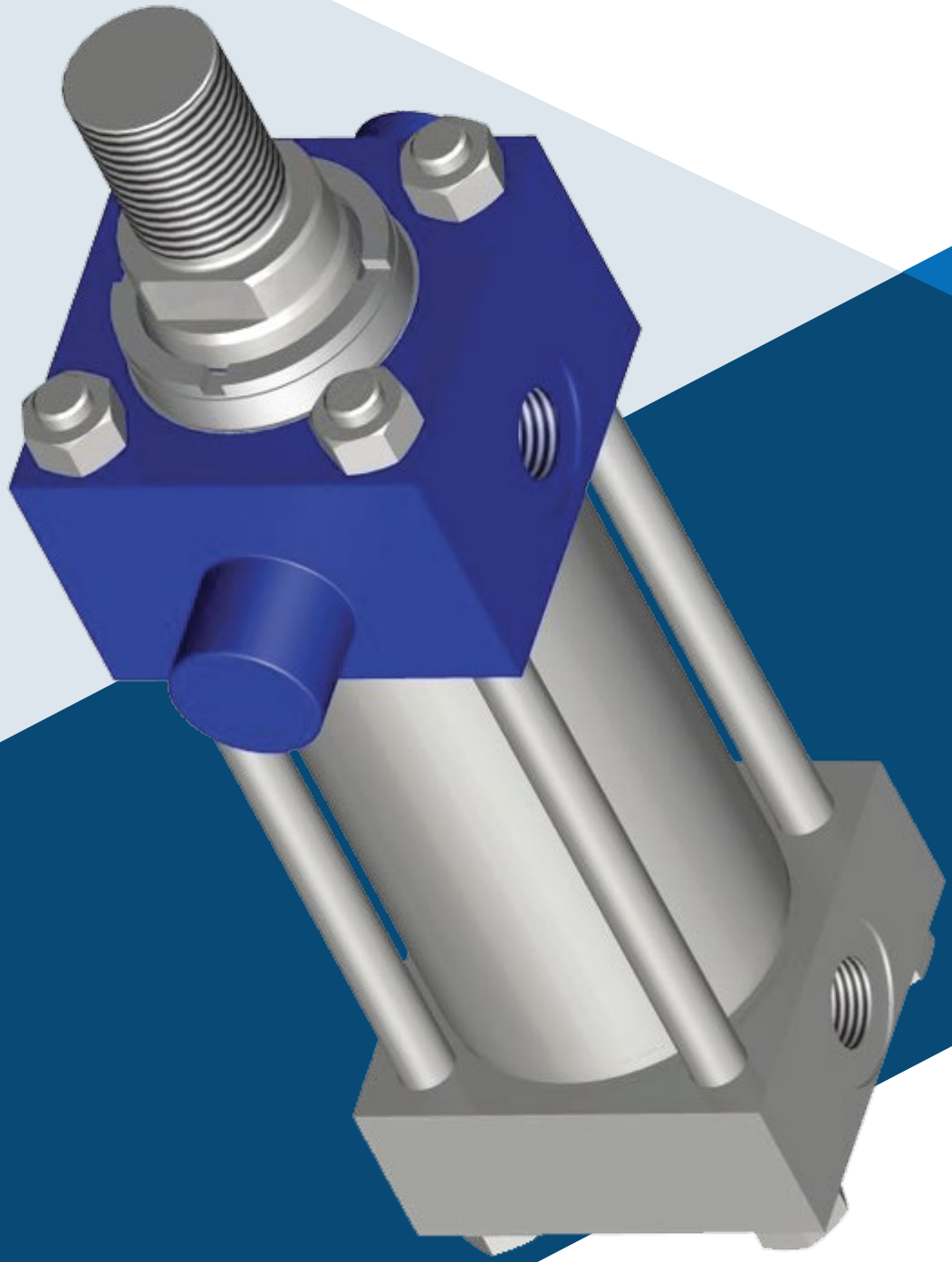


REF.	D	L	D1	L1	A	B	Montagem em forquilha *Used for joint hinge* Montaje en horquilla
PCF 1910	10	34	9,6	29	1,40	1,10	CF 1310
PCF 1911	12	43	11,5	37	1,90	1,10	CF 1312
PCF 1912	14	51	13,4	45	1,90	1,10	CF 1314
PCF 1913	20	73	19,0	66	2,20	1,30	CF 1316
PCF 1914	20	73	19,0	66	2,20	1,30	CF 1320
PCF 1915	28	95	26,6	87	2,40	1,60	CF 1327
PCF 1916	36	117	34,0	107	3,15	1,85	CF 1333
PCF 1917	45	139	42,5	129	3,15	1,88	CF 1342
PCF 1918	56	161	53,0	149	3,80	2,17	CF 1348
PCF 1919	70	181	67,0	169	3,35	2,65	CF 1364
PCF 1920	70	181	67,0	169	3,35	2,65	CF 1380



/ CILINDROS ISO 6020/2

ISO 6020 CILINDERS / CILINDROS ISO 6020/2



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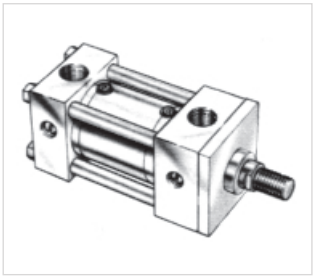
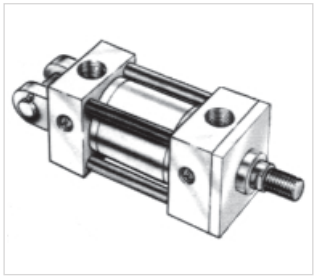
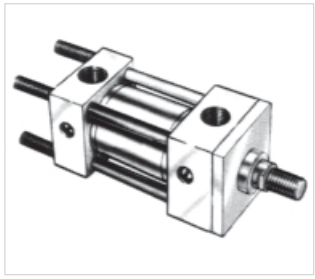


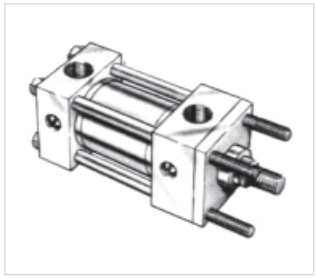
No Mount
NXM-MX5 - NXM-MX5D



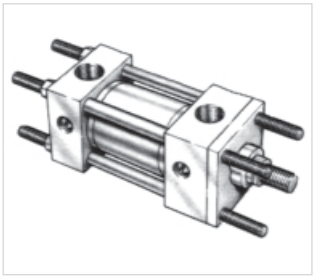
Cap fixed clevis
NXM-MP1



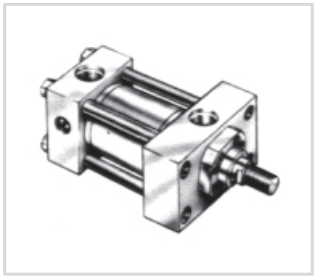
Cap end tie rods extended
NXM-MX2



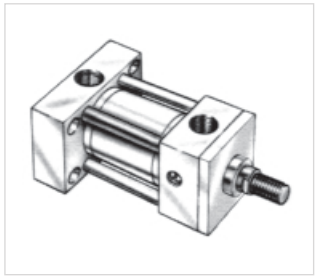
Head end tie rods extended
NXM-MX3 - NXM-MX3D



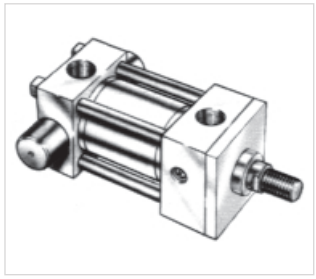
All tie rods extended
NXM-MX1 - NXM-MX1D



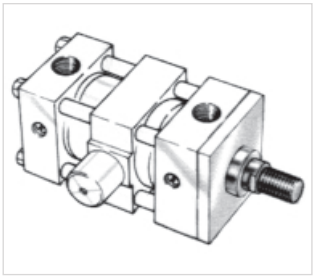
Head rectangular flange
NXM-ME5 - NXM-ME5D



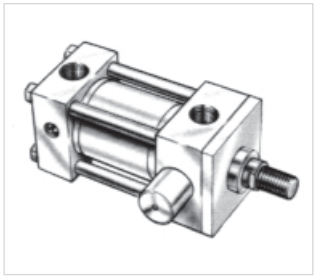
Cap rectangular flange
NXM-ME6



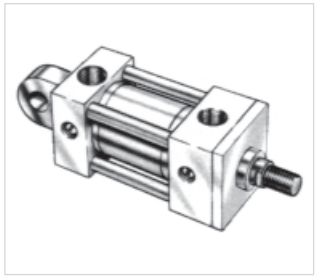
Cap trunnion
NXM-MT2



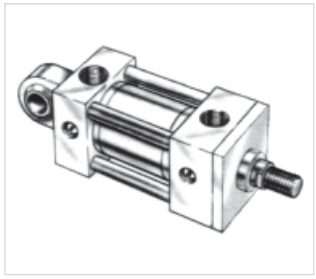
Intermediate fixed trunnion
NXM-MT4 - NXM-MT4D



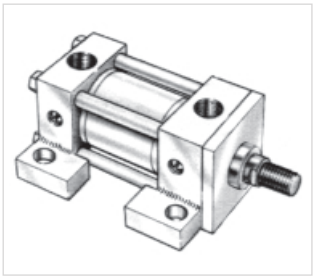
Head trunnion
NXM-MT1 - NXM-MT1D



Cap eye
NXM-MP3



Cap spherical bearing
NXM-MP5



Piedini laterali
NXM-MS2-MS2DN

MOUNTING INFORMATION

- **Extended tie rod mountings**

They are suitable for use on straight line forces and applications where mounting space is limited.
For compression-type applications (push) cap end tie rods extended type MX2 is recommended; head end tie rods extended MX3 is the most appropriate for tension-type applications (pull).

- **Flange mounted cylinders**

This type of mounting is suitable for use on straight line force transfer applications. Two mounting styles are available, with flanges at the head (ME5) or cap (ME6). ME6 is most appropriate for compression-type applications (push); ME5 should be used where the major load places the piston rod in tension (pull).

- **Clevis mounted cylinders**

Cylinders with this type of mounting, which absorb forces on their centre-line, should be used for applications where the item to be moved travels in a curved path. They can be used for tension (pull) or compression (push) applications. Fixed cap clevis mounting cylinders MP1 and MP3 may be used if the curved path of the piston rod travels is in a single plane; for applications where the piston rod will travel in a path either side of the true plane of motion, the spherical bearing mounting MP5 is highly recommended.

- **Foot mounted cylinder**

MS2 cylinders do not absorb force on their centre-lines. As a result, the application of force by the cylinder produces a turning moment which attempts to rotate the cylinder about its mounting bolts. It is therefore important for the cylinder to be firmly secured to the machine and for the load to be effectively guided.

- **Trunnion mounted cylinder**

Cylinders with this type of mounting (MT1, MT2 and MT4) are designed to absorb force on their centre-lines. They are suitable for tension (pull) or compression (push) applications, and may be used where the machine member to be moved travels in a curved path, in a single plane.
Trunnion pins are designed for shear loads only, and should be subject to minimum bending stresses.

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ISO 6020/2 HYDRAULIC CYLINDER

Each NEXOIL cylinder has a label with part number and description for easy identification

Please always refer to cylinder part number when ordering spare parts and seal kits

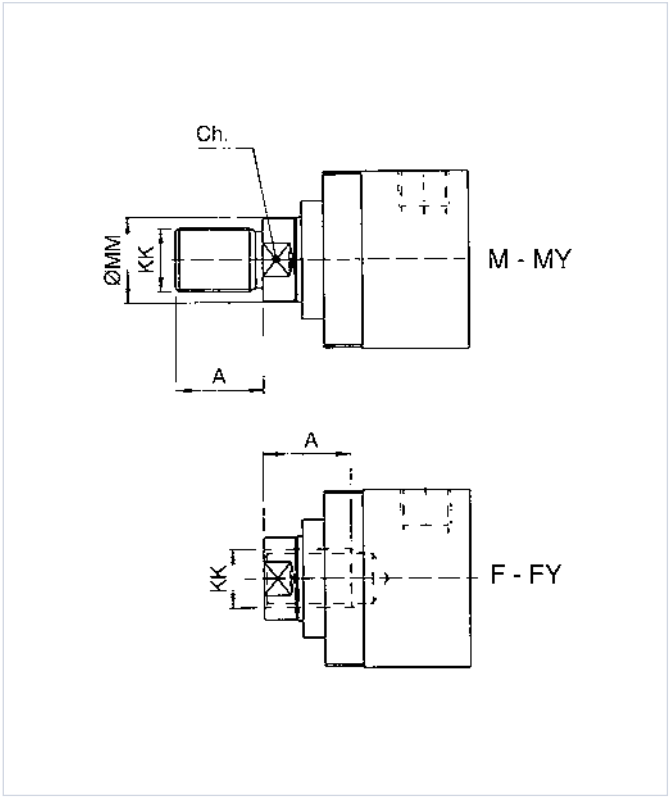
Features	ref.	Description
SERIES	**NXM**	ISO 6020/2 cylinde 16 MPa - Chromed piston rod Honed tube
	NX **M**	ISO 6020/2 cylinder 15 MPa - Magnetic stainless steel piston Chromed piston rod, stainless steel honed tube (bore size 25 mm to 100 mm)
STANDARD MOUNTINGS	**MX5**	Front tapped holes
	ME5	Head rectangular flange
*	**ME6**	Cap rectangular flange
*	**MP1**	Cap fixed clevis
*	**MP3**	Cap eye
*	**MP5**	Cap spherical bearing
	MS2	Side lugs
	MT1	Head trunnion
*	**MT2**	Cap trunnion
	MT4	Intermediate fixed trunnion
	MX1	All tie rods extended
* mounting not available on double rod cylinders	**MX2**	Cap end tie rods extended
	MX3	Head end tie rods extended
DOUBLE ROD	**D**	Include ONLY for double-rod cylinder
SPECIAL MODIFICATIONS * please include a drawing	**X**	Include ONLY if required
	Q	Balancing cylinder
BORE	**-**	Specify in mm
PISTON ROD DIAMETER	**-**	Specify in mm
ROD END STYLE	**M**	Male
	MY	Male modified
	F	Female
	FY	Female modified
STROKE	**-**	Specify in mm
SEALS		PISTON / ROD
	L*	Nitrile / Polyurethane
	V	Viton / Viton
	BL	Low-friction nitrile / Low-friction nitrile
	BV	Low-friction viton / Low-friction viton
CUSHIONINGS	**N**	No cushioning
	A	Head end cushioning
	P	Cap end cushioning
	AP	Both ends cushioning
SERIAL NO.	**E1**	To be always indicated

Example

NXM ME5 D X - 100 - 45 - M - 0.0 - L - AP - E1

Specifications

- Heavy duty metric hydraulic cylinder
- Nominal pressure: 160 bar
- In accordance with ISO 6020/2 (1991), DIN 24554 standards
- Security factor 4:1 at nominal pressure and with reference to min. breaking point
- Hydraulic mineral oil - other fluids available upon request
- Temperature range for standard seals: from-20°C to +80°C
- Construction: tie-rod design
- Bore sizes: 25 mm to 200 mm
- Piston rod diameters: 12 mm to 140 mm
- Cushions: adjustable and available on either or both ends (non-adjustable cushionings on bore size 25)
- Special modifications to customer's requirements

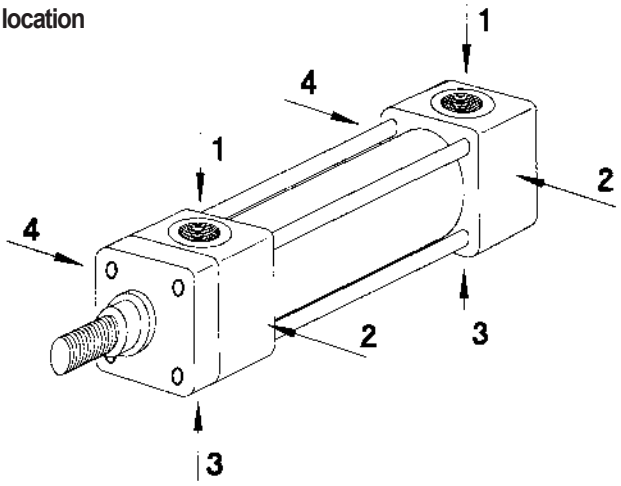


		Type M-F*		Type MY-FY*		
Bore	rod MM	KK	A	KK	A	Ch
25	12	M10x1.25	14			10
	18	M14x1.5	18	M10x1.25	14	15
32	14	M12x1.25	16			12
	22	M16x1.5	22	M 12x1.25	16	19
40	18	M14x1.5	18			15
	28	M20x1.5	28	M14 x1.5	18	24
50	22	M16x1.5	22			19
	**28	M20x1.5	28			24
	36	M27x2	36	M16 x1.5	22	32
63	28	M20x1.5	28			24
	**36	M27x2	36			32
	45	M33x2	45	M20 x1.5	28	40
80	36	M27x2	36			32
	**45	M33x2	45			40
	56	M42x2	56	M27x2	36	50
100	45	M33x2	45			40
	**56	M42x2	56			50
	70	M48x2	63	M33x2	45	60
125	56	M42x2	56			50
	**70	M48x2	63			60
	90	M64x3	85	M42 x2	56	80
160	70	M48x2	63			60
	**90	M64x3	85			80
	110	M80x3	95	M48x2	63	100
200	90	M64x3	85			80
	**110	M80x3	95			100
	140	M100x3	130	M64x3	85	130

(*) Female rod thread variants:
F 25-12: M 8 x 1
FY 25-18: M12 x 1,25
F 32-14: M10 x 1,25
F 40-18: M12 x 1,25

* Rod diam. no. 3 do not conform to ISO standard

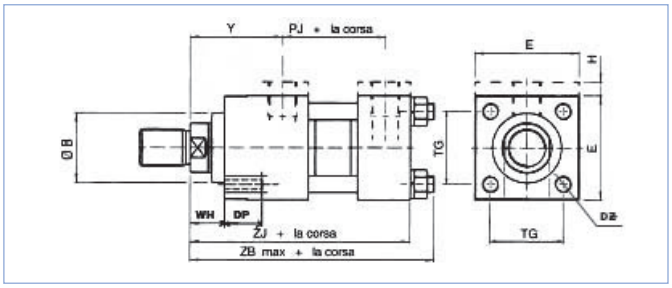
Port & cushion adjustment screw location



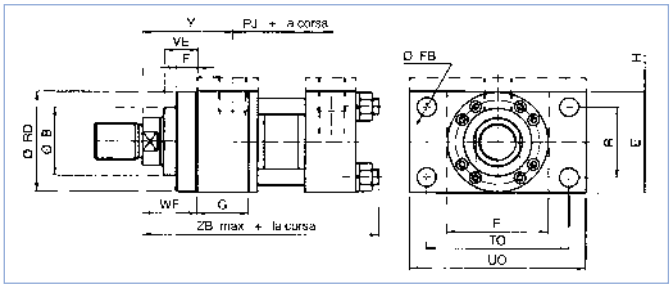
				Cushion adjustment screw location (according to mounting)	
Bore	Ports	Oversize ports	Port location	MX5-MS2-MP1 MP3-MP5	ME5-ME6 MT1-MT2
25	G 1/4”	G 3/8”	1	not available	not available
32	G 1/4”	G 3/8”	1	2	2
40	G 3/8”	G 1/2”	1	2	3
50	G 1/2”	G 3/4”	1	2	3
63	G 1/2”	G 3/4”	1	2	3
80	G 3/4”	G 1”	1	2	3
100	G 3/4”	G 1”	1	2	3
125	G 1”	G 1.1/4”	1	2	3
160	G 1”	G 1.1/4”	1	2	3
200	G 1.1/4”	G 1.1/2”	1	2	3

VM FLEX
AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

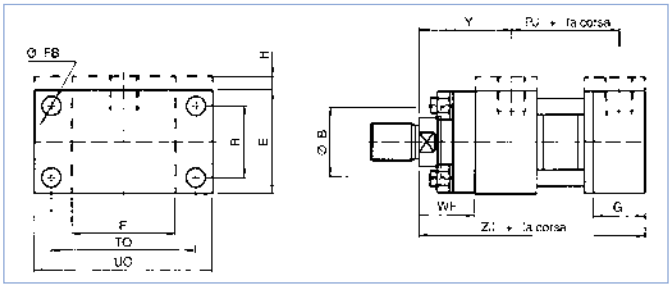
Front tapped holes - MX5



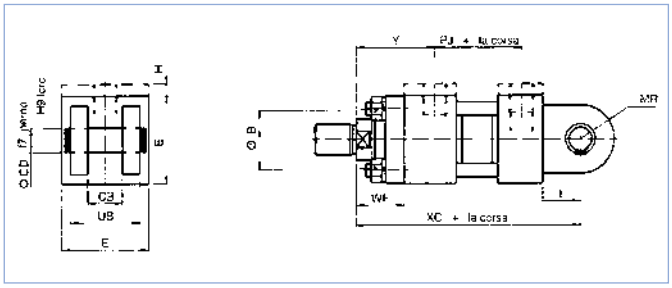
Head rectangular flange - ME5



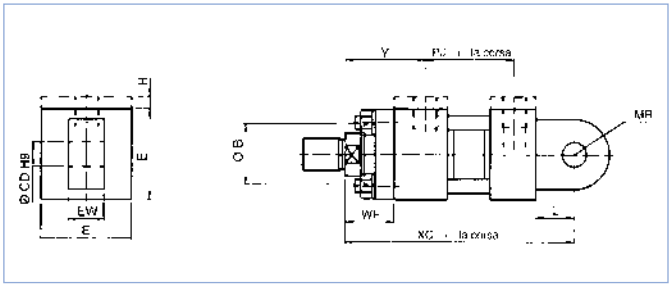
Cap rectangular flange - ME6



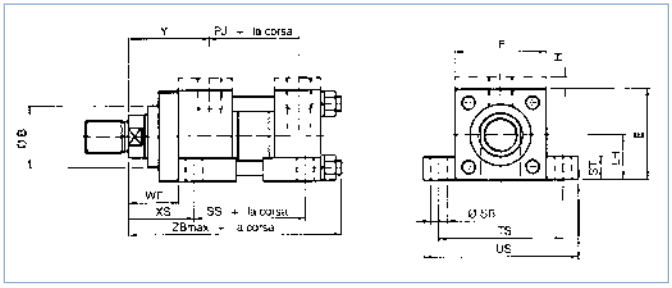
Cap fixed clevis - MP1



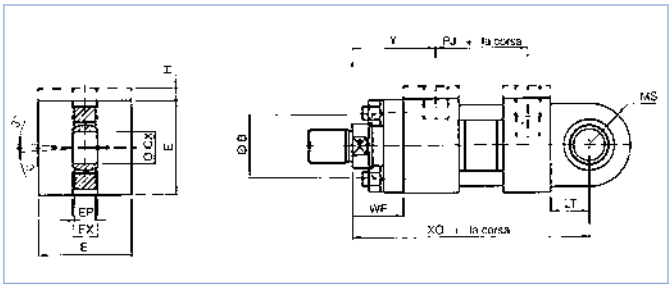
Cap eye - MP3



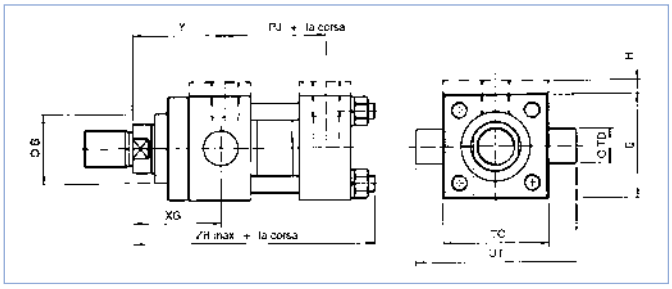
Side lugs - MS2



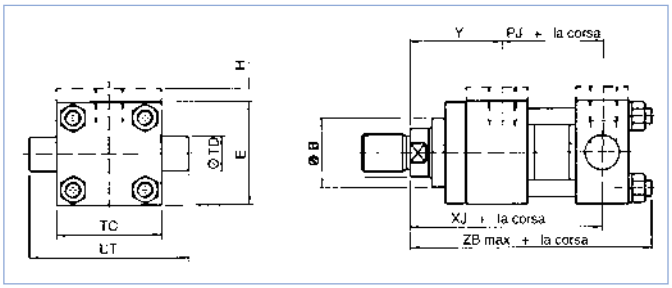
Cap spherical bearing - MP5



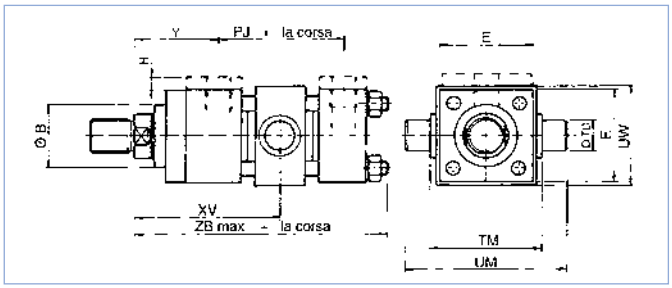
Head trunnion - MT1



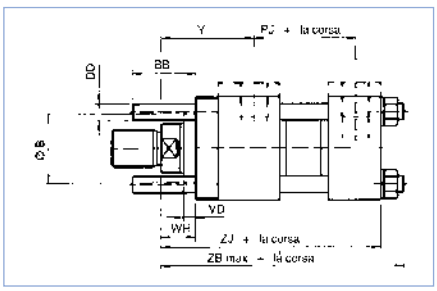
Cap trunnion - MT2



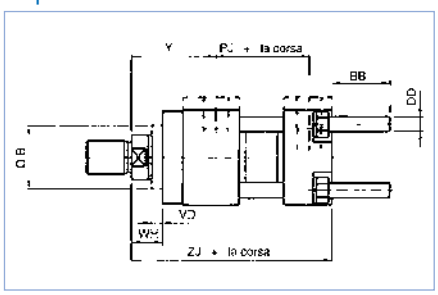
Intermediate fixed trunnion - MT4



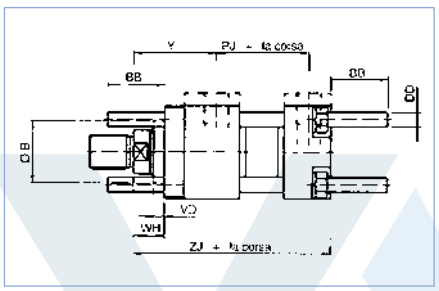
Head end tie rods extended - MX3



Cap end tie rods extended - MX2



All tie rods extended - MX1

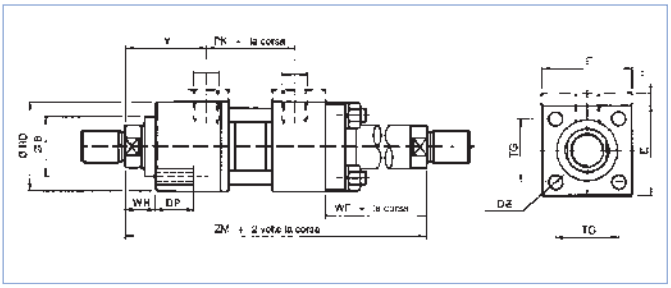


Bore	Ø Rod	B	BB	CB A16	CD Toll.	CX	DD	E	EP	EW h14	EX	F	FB	G	H	L	LH h10	LT	MR	MS	PJ	R	RD f8	SB	SS
25	12	24	19	12	10	12-$^{0}_{0.008}$	M5x0.8	40	8	12	10	10	5.5	25	5	13	19	16	12	20	53	27	38	6.6	73
	18	30																							
32	14	26	24	16	12	16-$^{0}_{0.008}$	M6x1	45	11	16	14	10	6.6	25	5	19	22	20	17	22.5	56	33	42	9	73
	22	34																							
40	18	30	35	20	14	20-$^{0}_{0.012}$	M8x1	63	13	20	16	10	11	38		19	31	25	17	29	73	41	62	11	98
	28	42																							
50	22	34	46	30	20	25-$^{0}_{0.012}$	M12x1.25	75	17	30	20	16	14	38		32	37	31	29	33	74	52	74	14	92
	36	50																							
	28	42																							
63	28	42	46	30	20	30-$^{0}_{0.012}$	M12x1.25	90	19	30	22	16	14	38		32	44	38	29	40	80	65	75	18	86
	45	60																					88		
	36	50																					88		
80	36	50	59	40	28	40-$^{0}_{0.012}$	M16x1.5	115	23	40	28	20	18	45		39	57	48	34	50	93	83	82	18	105
	56	72																					105		
	45	60																					105		
100	45	60	59	50	36	50-$^{0}_{0.012}$	M16x1.5	130	30	50	35	22	18	45		54	63	58	50	62	101	97	92	26	102
	70	88																					125		
	56	72																					125		
125	56	72	81	60	45	60-$^{0}_{0.015}$	M22x1.5	165	38	60	44	22	22	58		57	82	72	53	80	117	126	105	26	131
	90	108																					150		
	70	88																					150		
160	70	88	92	70	56	80-$^{0}_{0.015}$	M27x2	205	47	70	55	25	26	58		63	101	92	59	100	130	155	125	33	130
	110	133																					170		
	90	108																					170		
200	90	108	115	80	70	100-$^{0}_{0.020}$	M30x2	245	57	80	70	25	33	76		82	122	116	82	120	165	190	150	39	172
	140	163																					210		
	110	133	FLFL																				210		

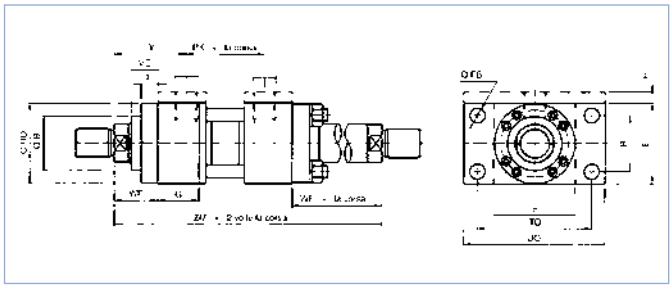
Bore	Ø Rod	ST	TC	TD f8	TG	TM	TO	TS	UB	UM	UO	US	UT	UW □	VD	VE	WF	WH	XC	XG	XJ	XO	XS	XV MIN	XV MAX	Y	ZB	ZJ	min. stroke for mounting MT4
25	12	8.5	38	12	28.3	48	51	54	24	68	65	72	58	48	6	16	25	15	127	44	101	130	33	82	72	50	121	114	10
	18																								+ stroke				
32	14	12.5	44	16	33.2	55	58	63	32	79	70	84	68	55	12	22	35	25	147	54	115	148	45	96	82	60	137	128	14
	22																								+ stroke				
40	18	12.5	63	20	41.7	76	87	83	40	108	110	103	95	76	12	22	35	25	172	57	134	178	45	107	88	62	166	153	19
	28																								+ stroke				
50	22	19	76	25	52.3	89	105	102	60	129	130	127	116	89	9	25	41	25	191	64	140	190	54	117	90	67	176	159	27
	36																								+ stroke				
	28																												
63	28	26	89	32	64.3	100	117	124	60	150	145	161	139	100	13	29	48	32	200	70	149	206	65	132	91	71	185	168	41
	45																								+ stroke				
	36																												
80	36	26	114	40	82.7	127	149	149	80	191	180	186	178	127	9	29	51	31	229	76	168	238	68	147	99	77	212	190	48
	56																								+ stroke				
	45																												
100	45	32	127	50	96.9	140	162	172	100	220	200	216	207	140	10	32	57	35	257	71	187	261	79	158	107	82	225	203	51
	70																								+ stroke				
	56																												
125	56	32	165	63	125.9	178	208	210	120	278	250	254	265	178	10	32	57	35	289	75	209	304	79	180	109	86	260	232	71
	90																								+ stroke				
	70																												
160	70	38	203	80	154.9	215	253	260	140	341	300	318	329	215	7	32	57	32	308	75	230	337	86	198	104	86	279	245	94
	110																								+ stroke				
	90																												
200	90	44	241	100	190.2	279	300	311	160	439	360	381	401	279	7	32	57	32	381	85	276	415	92	226	130	98	336	299	96
	140																								+ stroke				
	110																												

See above chart for minimum stroke for MT4 mounting.
XV dimension is always to be specified when ordering a cylinder with MT4 mounting. The value must be between minimum XV and maximum XV + stroke

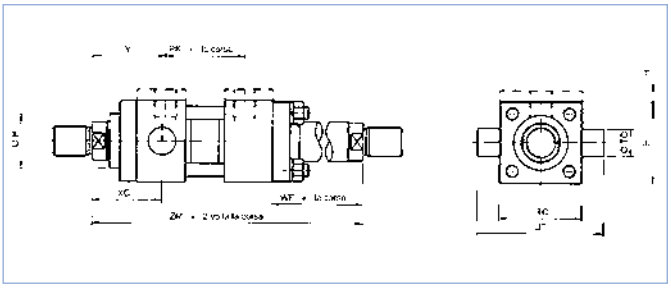
All tie rods extended - MX1D



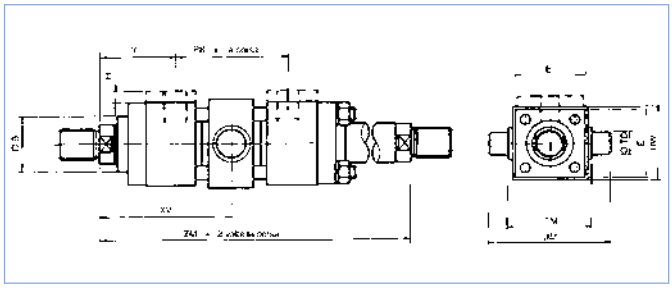
Head rectangular flange - ME5D



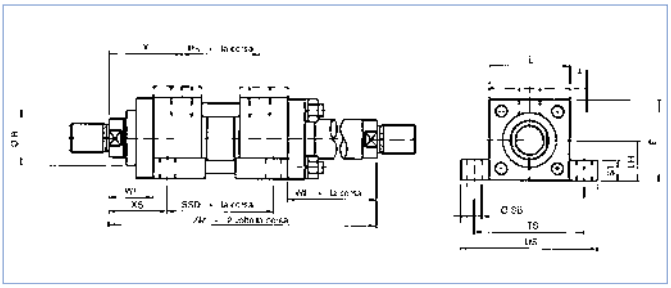
Head trunnion - MT1D



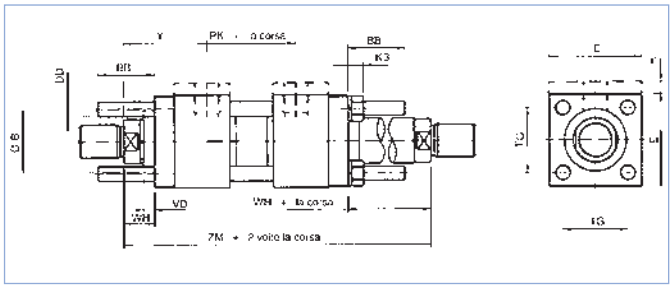
Intermediate fixed trunnion - MT4D



Side lugs - MS2D



Head end tie rods extended - MX3D

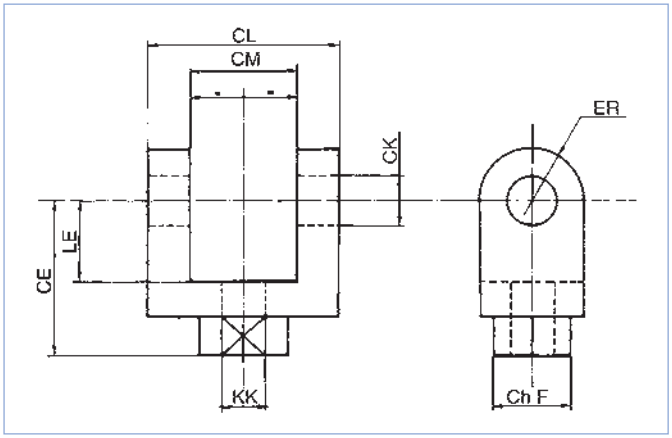


Bore	Ø rod	B	BB	DD	E	F	FB	G	H	KB	LH h10	PK	R	RD f8	SB	SSD	ST	TC	TD f8	TG	TM	TO	TS	UM	UO	US	UT	UW □	VD	VE	WF	WH	XG	XS	XV min	XV max	Y	ZM	minim. mounting stroke MT4D
25	12	24	19	M5x0,8	40	10	5,5	25	5	5,2	19	54	27	38	6,6	88	8,5	38	12	28,3	48	51	54	68	65	72	58	48	6	16	25	15	44	33	82	72	50	154	10
	18	30																																	+ corsa			
32	14	26	24	M6x1	45	10	6,6	25	5	6,6	22	58	33	42	9	88	12,5	44	16	33,2	55	58	63	79	70	84	68	55	12	22	35	25	54	45	96	82	60	178	14
	22	34																																	+ corsa			
40	18	30	35	M8x1	63	10	11	38		8,5	31	71	41	62	11	105	12,5	63	20	41,7	76	87	83	108	110	103	95	76	12	22	35	25	57	45	107	88	62	195	19
	28	42																																	+ corsa			
50	22	34	46	M12x1,25	75	16	14	38		12,5	37	73	52	74	14	99	19	76	25	52,3	89	105	102	129	130	127	116	89	9	25	41	25	64	54	117	90	67	207	27
	36	50																																	+ corsa			
	28	42																																				
63	28	42	46	M12x1,25	90	16	14	38		12,5	44	81	65	75	18	93	26	89	32	64,3	100	117	124	150	145	161	139	100	13	29	48	32	70	65	132	91	71	223	41
	45	60												88																					+ corsa			
	38	50												88																								
80	56	50	59	M16x1,5	115	20	18	45		16,5	57	92	83	82	18	110	26	114	40	82,7	127	149	149	191	180	186	178	127	9	29	51	31	76	68	147	99	77	246	48
	56	72												105																					+ corsa			
	45	60												105																								
100	45	60	59	M16x1,5	130	22	18	45		16,5	63	101	97	92	26	107	32	127	50	96,9	140	162	172	220	200	216	207	140	10	32	57	35	71	79	158	107	82	265	51
	70	88												125																					+ corsa			
	56	72												125																								
125	56	72	81	M22x1,5	165	22	22	58		22	82	117	126	105	26	131	32	165	63	125,9	178	208	210	278	250	254	265	178	10	32	57	35	75	79	180	109	86	289	71
	90	108												150																					+ corsa			
	70	88												150																								
160	70	88	92	M27x2	205	25	26	58		27	101	130	155	125	33	130	38	203	80	154,9	215	253	260	341	300	318	329	215	7	32	57	32	75	86	198	104	86	302	84
	110	133												170																					+ corsa			
	90	108												170																								
200	90	108	115	M30x2	245	25	33	76		30	122	160	190	150	39	172	44	241	100	190,2	279	300	311	439	360	381	401	279	7	32	57	32	85	92	226	130	98	356	96
	140	163												210																					+ corsa			
	110	133												210																								

See above chart for minimum stroke for MT4 mounting

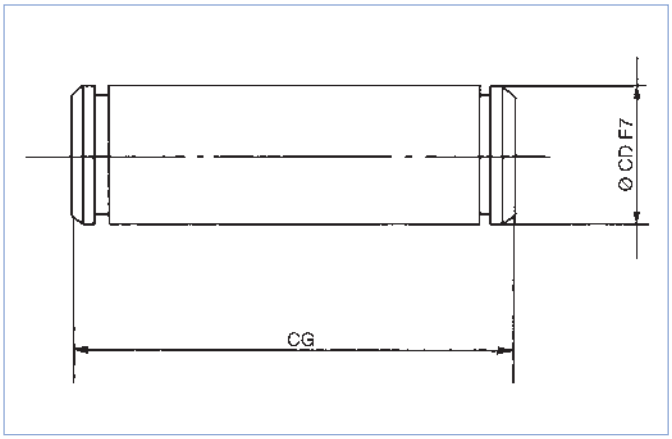
dimension is always to be specified when ordering a cylinder with MT4 mounting. The value must be between minimum XV and maximum XV + stroke XV

Femal clevis ISO 6982 (pivot pin not included)



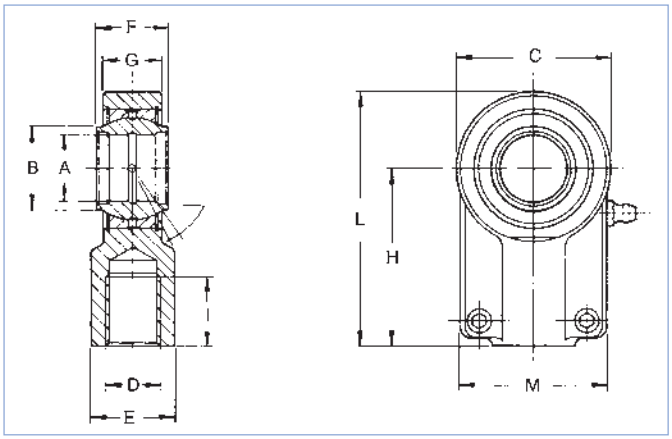
Part number	CM	CKH9	CE	CL	ChF	KK	LE	ER
CF-H-10125	12	10	32	26	19	10x1,25	13	12
CF-H-12125	16	12	36	34	21	12x1,25	19	17
CF-H-1415	20	14	38	42	21	14x1,5	19	17
CF-H-1615	30	20	54	62	32	16x1,5	32	29
CF-H-2015	30	20	60	62	32	20x1,5	32	29
CF-H-272	40	28	75	83	40	27x2	39	34
CF-H-332	50	36	99	103	56	33x2	54	50
CF-H-422	60	45	113	123	56	42x2	57	53
CF-H-482	70	56	126	143	75	48x2	63	59
CF-H-643	80	70	168	163	95	64x3	83	78
CF-H-803	80	70	168	163	95	80x3	83	78
CF-H-1003	100	100	250	230	160	100x3	90	95

Pivot pin



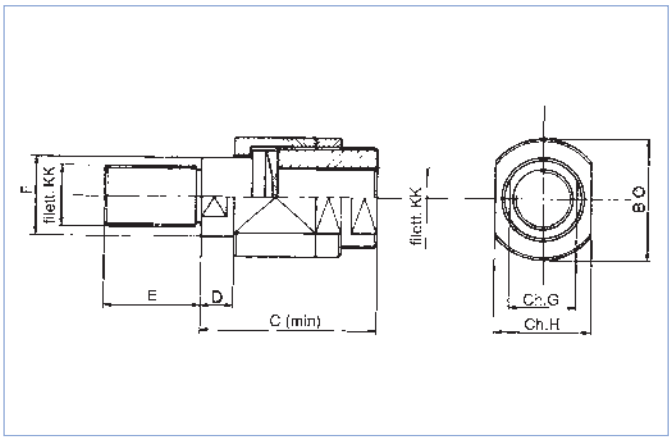
Part number	CD	CG
2.44.01.37.95	10	32
2.44.05.37.95	12	40
2.44.10.37.95	14	50
2.44.15.37.95	20	70
2.44.25.37.95	28	92
2.44.30.37.95	36	114
2.44.35.37.95	45	135
2.44.40.37.95	56	158
2.44.45.37.95	70	180

Spherical rod eye ISO 6982



Type TAPR	A H7	B	C	D	E	F h12	G	H	I	L	M	Stat. load	Din. load
10CE	10	12,5	32	M10x1,25	15	10	7	37	14	53	32	20	8,15
12CE	12	15,5	32	M12x1,25	16	12	10,5	38	17	54	32	24,5	10,8
16CE	16	20	40	M14x1,5	21	16	13	44	19	64	40	36,5	17,8
20CE	20	25	47	M16x1,5	25	20	17	52	23	77	47	48	30
25CE	25	30,5	58	M20x1,5	30	25	21	65	29	96	54	78	48
32CE	32	38	70	M27x2	38	32	27	80	37	118	66	114	67
40CE	40	46	89	M33x2	47	40	32	97	46	145,5	80	114	67
50CE	50	57	108	M42x2	58	50	40	120	57	179	96	310	156
63CE	63	71,5	132	M48x2	70	63	52	140	64	211	114	430	255
80CE	80	91	168	M64x3	90	80	66	180	86	270	148	695	400
100CE	100	113	210	M80x3	110	100	84	210	96	322	178	1060	610
125CE	125	138	264	M100x3	135	125	102	260	113	405	200	3650	2120

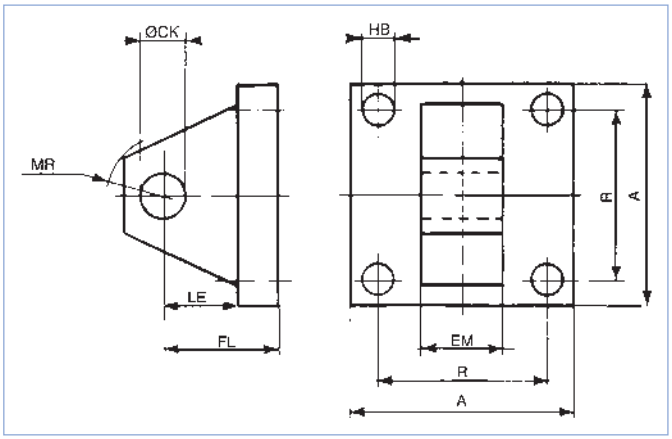
Self-aligning rod end coupler



Part number	B	C	D	E	F	chG	chH	KK
AUT-H-10125	31,7	50,8	12,7	19	15,9	14	20	10x1,25
AUT-H-12125	31,7	50,8	12,7	19	15,9	14	20	12x1,25
AUT-H-1415	42,8	58,7	12,7	28,5	24,6	22	28	14x1,5
AUT-H-1615	42,8	58,7	12,7	28,5	24,6	22	28	16x1,5
AUT-H-2015	42,8	58,7	12,7	28,5	24,6	22	28	20x1,5
AUT-H-272	57	73,8	12,7	41	34,1	30	42	27x2
AUT-332	66,6	91,8	19	51	43,6	38	50	33x2
AUT-H-422	76,2	105,5	22,2	57	50	44	60	42x2
AUT-482	95,2	138,1	25,4	76	62,7	54	76	48x2
AUT-H-643	127	163,5	25,4	89	88,1	76	102	64x3
AUT-H-803	184	238,1	25,4	140	138,9	*	146	80x3
AUT-H-1003	184	238,1	25,4	140	138,9	*	146	100x3

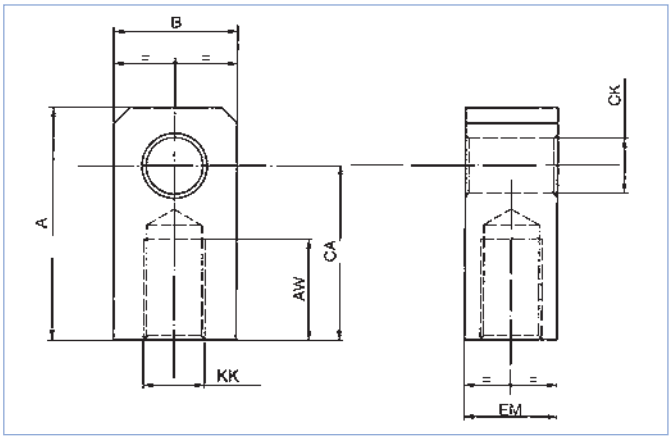
* No 4 spanner holes at 90° instead of flats

Eye bracket



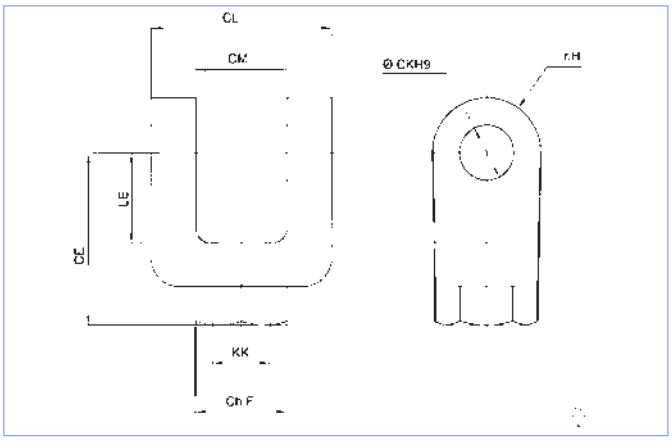
Part number	A	R	EM h13	HB	CKH9	MR_{max}	LE_{min}	FL
CCM-H-10	40	28,3	12	5,5	10	12	13	23
CCM-H-12	45	33,2	16	6,6	12	17	19	29
CCM-H-14	65	41,7	20	9	14	17	19	29
CCM-H-20	75	52,3	30	13,5	20	29	32	48
CCM-H-20-A	90	64,3	30	13,5	20	29	32	48
CCM-H-28	115	82,7	40	17,5	28	34	39	59
CCM-H-36	130	96,9	50	17,5	36	50	54	79
CCM-H-45	165	125,9	60	26	45	53	57	87
CCM-H-56	205	154,9	70	30	56	59	63	103
CCM-H-70	240	190,2	80	33	70	78	82	132

Female eye



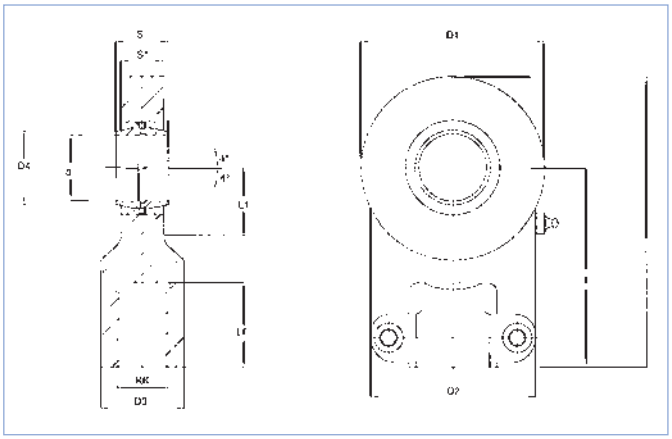
Part number	A	B	EM	CKH9	CA	AW	KK
CM-H-10125	44	20	12	10	32	14	10x1,25
CM-H-12125	53	24	16	12	36	16	12x1,25
CM-H-1415	55	28	20	14	38	18	14x1,5
CM-H-1615	83	40	30	20	54	22	16x1,5
CM-H-2015	89	40	30	20	60	28	20x1,5
CM-H-272	109	56	40	28	75	36	27x2
CM-H-332	149	72	50	36	99	45	33x2
CM-H-422	166	90	60	45	113	56	42x2
CM-H-482	185	112	70	56	126	63	48x2
CM-H-643	246	140	80	70	168	85	64x3
CM-H-803	246	140	80	70	168	95	80x3
CM-H-1003	345	200	100	100	250	112	100x3

Female clevis ISO 8133 (pivot pin included)



Part number	CM	KK	CL	CE	LE	CK (H9)	Ch.F	r.H
260CF1310	12	M10x1,25	24	32	13	10	19	12
260CF1312	16	M12x1,25	32	36	19	12	21	17
260CF1314	20	M14x1,5	40	38	19	14	21	17
260CF1316	30	M16x1,5	60	54	32	20	32	29
260CF1320	30	M20x1,5	60	60	32	20	32	29
260CF1327	40	M27x2	80	75	39	28	40	34
260CF1333	50	M33x3	100	99	54	36	56	50
260CF1342	60	M42x2	120	113	57	45	56	53
260CF1348	70	M48x2	140	126	63	56	75	59
260CF1364	80	M64x3	160	168	83	70	95	78
260CF1380	80	M80x3	160	168	83	70	95	78

Spherical rod eye ISO 8133



Part number	d	S	D4	l	D1	D2	S1	L	L1	D3	LF	KK
290TAPR12S	12	10	15	42	35	40	8	58	16	17	15	M10x1,25
290TAPR16S	16	14	20,7	48	45	45	11	69	20	21	17	M12x1,25
290TAPR20S	20	16	24,1	58	55	55	13	83	28	25	19	M14x1,5
290TAPR25S	25	20	29,3	68	65	62	17	99	31	30	23	M16x1,5
290TAPR30S	30	22	34,2	85	80	77	19	123	35	36	29	M20x1,5
290TAPR40S	40	28	45	105	100	90	23	153	45	45	37	M27x2
290TAPR50S	50	35	56	130	120	105	30	188	58	55	46	M33x3
290TAPR60S	60	44	66,8	150	160	134	38	255	68	68	55	M42x2
290TAPR80S	80	55	89,4	185	205	156	47	282,5	82	90	64	M48x2
290TAPR100S	100	70	109,5	240	240	190	55	357,5	116	110	86	M64x3

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AUTOMAÇÃO E MANUTENÇÃO INDUSTRIAL

ASSISTÊNCIA 24 HORAS

PORTO:
229 698 040

LISBOA:
215 817 952

OPORTO
Zona Industrial Alto de Vilar
R. Bouça dos Estilhadouros, 306/314
4445-044 **ALFENA** • Portugal
Tlf. +351 **229 698 040** • Fax. +351 220 100 362
geral@vmflex.pt

LISBOA
Parque Industrial do Seixal
R. Rodrigo Sarmento de Beires, Lote 13, Arm 2
2840-068 **ALDEIA DE PAIO PIRES** • Portugal
Tlf. +351 **215 817 952**
lisboa@vmflex.pt

www.**VMFLEX**.pt

Balflex® Group