



Pressures

1 bar (0.1 MPa)
10 bar (1 MPa)



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

SILICON
FREE

ATEX
2014/34/UE



Temperature

0 °C (-20 °C con aria secca)
+ 80 °C



Sensors recommended

DF - DT



Sensor adapter

EXF

CHARACTERISTICS

Fluids	Filtered lubricated and non-lubricated compressed air
Nut	Galvanized steel
Front and rear head	die-cast aluminum
Bearing shell	Sintered bronze
Tie rod	Galvanized steel
O-RING seals	NBR o FKM
Piston	Aluminum
Tube	Anodized aluminum
Piston guide	Acetal resin
Piston seal	Polyurethane or FKM
Shock absorber pin	Galvanized steel
Shock absorber seal	Polyurethane or FKM
Fixing screw	Galvanized steel
Rod seal	Polyurethane or FKM
Rod	Chromed steel or stainless steel
Magnet	Plastoferrite
Operation	Double-acting, cushioned, magnetic, single-rod or through-rod type..



II 2GD cT6 -20°C < Tamb < +80°C



Series

Ø mm

Stroke

Profile

Special version

E H

1 6 0

0 0 2 5

T

V S

EH Double Acting Cushioned Magnetic
EL Double Acting Cushioned Magnetic with Double Rod End

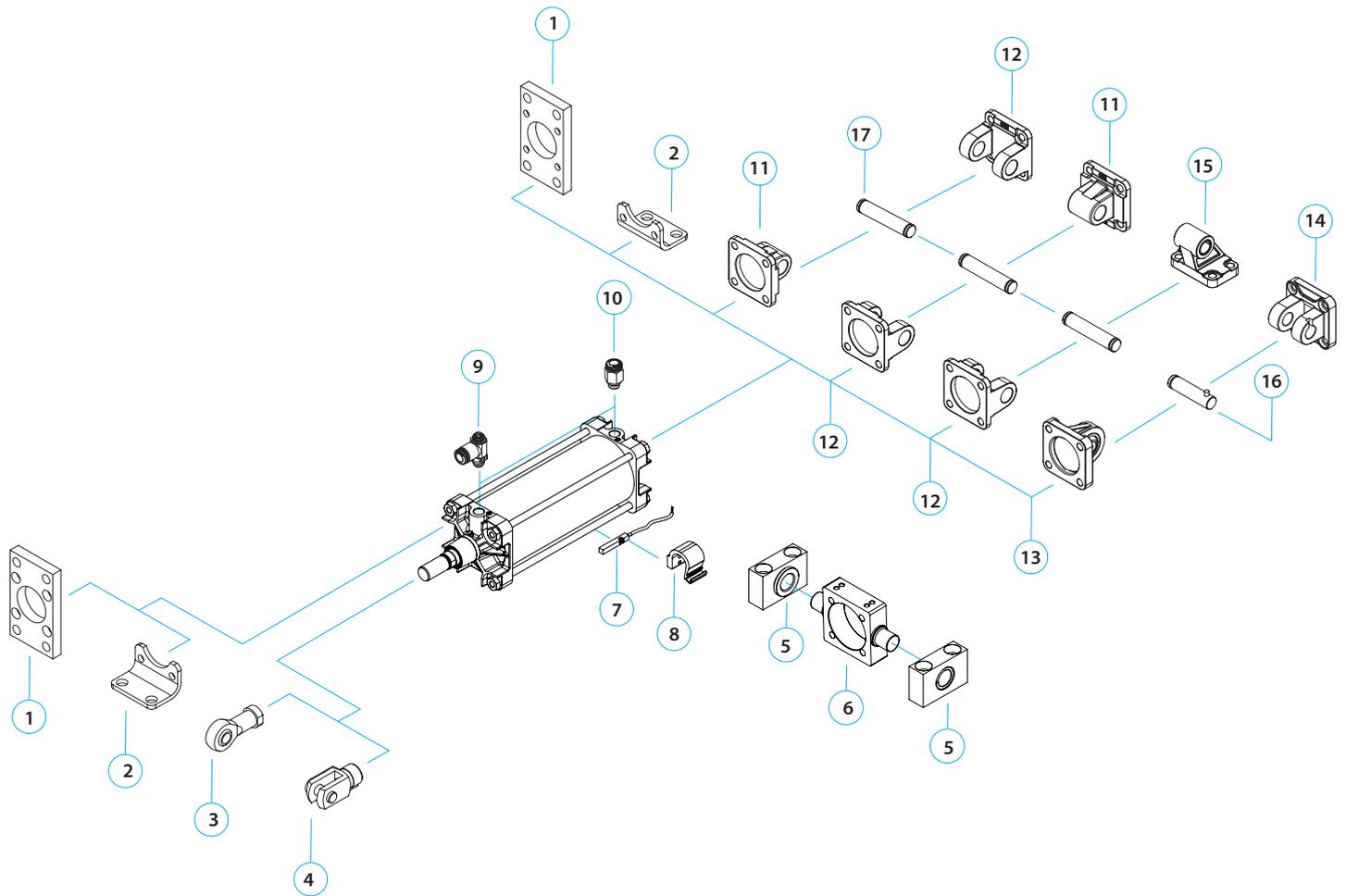
160	0025	0320
200	0050	0350
250	0075	0400
320	0080	0450
	0100	0500
	0125	0600
	0150	0700
	0160	0800
	0200	0900
	0250	1000
	0300	

T Barrel in aluminium round profile with tie rods

VS Only Rod Seals in FKM
IS Stainless Steel Rod
V All FKM Seals
R Metal Scraper

Intermediate or higher strokes are available upon request. Maximum stroke 2700 mm.

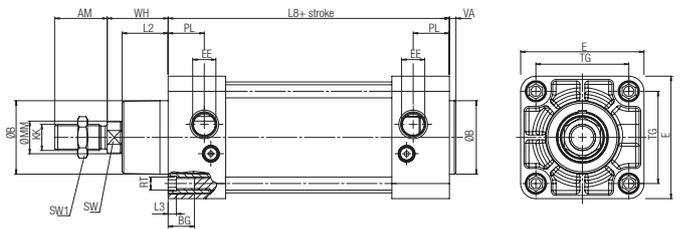
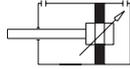
FIXING ELEMENTS AND ACCESSORIES - SERIES E



1	FLANGE - VFL
2	LOW-RISE PEDESTAL - VCP
3	ROD ENDS SELF-LUBRICATING - TF
4	YOKE WITH LOCABLE PIN - FC
5	SUPPORT FOR INTERMEDIATE HINGE - VSI
6	INTERMEDIATE HINGE FOR THREADED TIE-RODS - VCNT
7	MAGNETIC SWITCHES DT - REED - DF - DT
8	BRACKET FOR DSL - DSH - DT - EXF
9	FLOW REGULATOR
10	QUICK CONNECTOR
11	MALE CLEVIS WITH SELF-LUBRICATING BUSHES - VCM
12	FEMALE HINGE WITH SELF-LUBRICATING BUSHES - VCF
13	NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K - VCS
14	NARROW FEMALE HINGE FOR SQUARE JOINT WITH ARTICULATED HEAD DIN648K - VCD
15	SQUARE JOINT - VAS
16	PIN ANTI-ROTATION FOR NARROW FEMALE HINGE VCD - VPS
17	PIN WITH SEEGER - VPE

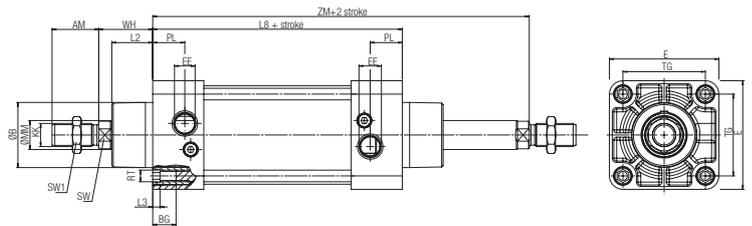
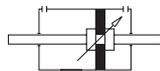
SERIES E

EH - T - DOUBLE ACTING CUSHIONED MAGNETIC

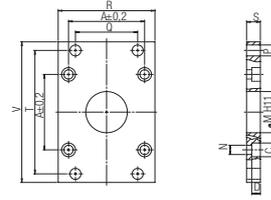


Ø	Ø B	VA	L2	WH	Ø MM	SW	KK	AM	L8	BG	RT	E	TG	EE	PL	L3	ZM	SW1
160	65	6	55	80	40	36	M36X2	72	180	24	M16	180	140	G3/4	29	0	340	55
200	75	6	60	95	40	36	M36X2	72	180	24	M16	220	175	G3/4	29	0	370	55
250	90	10	75	105	50	46	M42X2	84	200	25	M20	275	220	G1"	31	0	410	65
320	110	10	90	120	63	55	M48X2	96	220	30	M24	350	270	G1"	30	0	460	75

EL - T - DOUBLE ACTING CUSHIONED MAGNETIC WITH DOUBLE ROD END

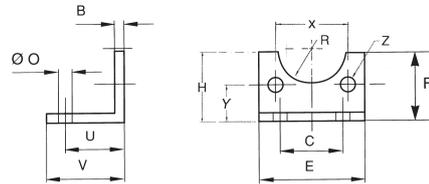


Ø	Ø B	VA	L2	WH	Ø MM	SW	KK	AM	L8	BG	RT	E	TG	EE	PL	L3	ZM	SW1
160	65	6	55	80	40	36	M36X2	72	180	24	M16	180	140	G3/4	29	0	340	55
200	75	6	60	95	40	36	M36X2	72	180	24	M16	220	175	G3/4	29	0	370	55
250	90	10	75	105	50	46	M42X2	84	200	25	M20	275	220	G1"	31	0	410	65
320	110	10	90	120	63	55	M48X2	96	220	30	M24	350	270	G1"	30	0	460	75

FIXING ELEMENTS AND ACCESSORIES - SERIES E
VFL - FLANGIA


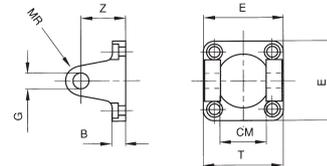
Code	Ø	Ø M	P	S	D	C	N	A	Q	R	T	V
VFL 160	160	65	18	20	10.5	26	17	140	115	180	230	260
VFL 200	200	75	22	25	12.5	26	17	175	135	220	270	300
VFL 250	250	90	26	25	14.5	33	22	220	165	285	330	400
VFL 320	320	110	33	30	15	39	26	270	200	350	400	470

MATERIAL: STEEL / SCREW: DIN6912

VCP - LOW RISE PEDESTAL


Code ●	Code ■	Ø	B	C	E	F	O	U	V	R	Z	X	Y	H
VCP 160	-	160	9	115	180	115	18.5	60	75	32.5	18	140	45	115
VCP 200	-	200	12	135	220	135	24	70	100	37.5	18	175	47.5	135
VCP 250	-	250	14	165	270	165	26	75	100	45	22	220	55	165

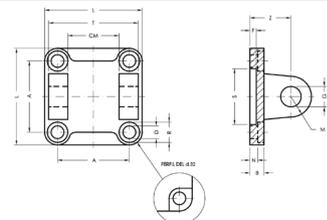
● MATERIAL: STEEL / ◆ MATERIAL: STAINLESS STEEL

VCF - FEMALE HINGE


Code ●	Code ■	Ø	B	E	G	T	Z	CM	MR
* VCF 160	VCFI 160	160	20	180	30	170	55	90	25
* VCF 200	VCFI 200	200	25	220	30	170	60	90	25

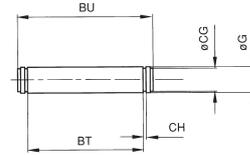
● MATERIAL: Aluminium / ■ MATERIAL: Stainless steel

* With self-lubricating bushes

VCH - FEMALE CLEVIS BRACKET


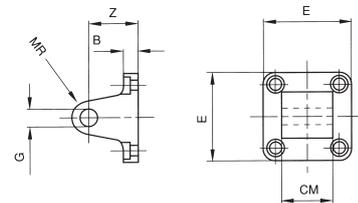
Code ●	Code ◆	Ø	A	L	D	R	N	B	S	F	Z	G	M	CM	T
VCH 160	VCHZ 160 NE	160	140	180	18	26	10	20	65	7	55	30	25	90	170
VCH 200	VCHZ 200 NE	200	175	220	18	26	11	25	75	7	60	30	25	90	170
VCH 250	VCHZ 250 NE	250	220	270	22	33	11	25	90	-	70	40	40	110	200

● MATERIAL: ALUMINIUM / ◆ MATERIAL: IRON

FIXING ELEMENTS AND ACCESSORIES - SERIES E
VPE - PIN WITH SEEGER


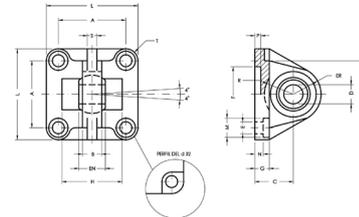
Code ●	Code ■	Ø	G	BT	BU	CG	CH
VPE 160	VPEI 160	160 - 200	30	171.5	178	28.6	1.6
VPE 250	-	250	40	202	211	37.5	1.85
VPE 320	-	320	45	222	236	42.5	1.85

● MATERIAL: STEEL / ■ MATERIAL: STAINLESS STEEL

VCM - MALE CLEVIS


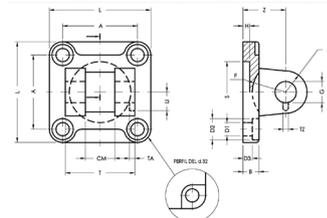
Code ●	Code ■	Code ◆	Ø	B	E	G	Z	CM	MR
VCM 160	VCMI 160	VCMZ 160 NE	160	20	180	30	55	90	25
VCM 200	VCMI 200	VCMZ 200 NE	200	25	220	30	60	90	25
VCM 250	-	VCMZ 250 NE	250	25	270	40	70	110	40

● MATERIAL: ALLUMINIO WITH SELF-LUBRICATING BUSHES / ■ MATERIALE: STAINLESS STEEL / ◆ MATERIALE: IRON

VCS - NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K


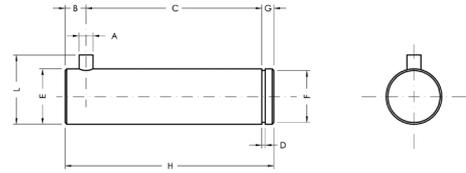
Code	Ø	A	B	C	D	EN	ER	F	G	E	L	M	N	P	S	Z	T
VCS 160	160	140	28	55	35	43	45	65	20	18	180	26	10	7	14	130	20
VCS 200	200	175	28	60	35	43	48	75	25	18	220	26	11	7	14	155	22.5

MATERIAL: ALUMINIUM

VCD - NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K


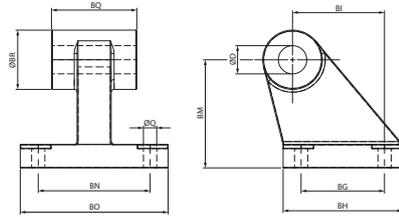
Code	Ø	L	T	CM	A	Z	H	B	D3	S	G	MR	D1	D2	TA	TZ	LI	F
VCD 160	160	180	122	43	140	55	7	20	10	65	35	30	18	26	6	6.3	26.5	46
VCD 200	200	220	122	43	175	60	7	25	11	75	35	30	18	26	6	6.3	26.5	49

MATERIAL: ALUMINIUM

FIXING ELEMENTS AND ACCESSORIES - SERIES E
VPS - PIN ANTI-ROTATION FOR NARROW FEMALE HINGE VCD


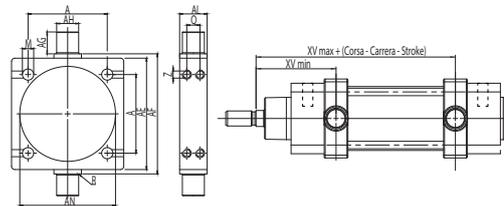
Code ●	Ø	A	C	D	E	F	G	H	L	B
VPS 160	160 - 200	6	119	1.6	35	33	7	135	41	9

MATERIAL: STEEL

VAS - SQUARE JOINT


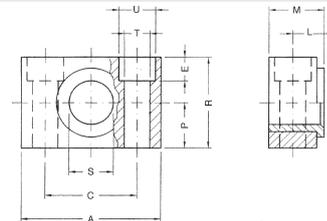
Code	Ø	Q	BG	BH	BI	BM	BN	BO	BQ	BR	ØD
VAS 160	160	14	88	126	97	115	118	156	90	63	30
VAS 200	200	18	90	130	105	135	122	162	90	63	30

MATERIAL: ALUMINIUM

VCNT - INTERMEDIATE HINGE FOR THREADED TIE-RODS


Code	Ø	TD	TG	TK	TL	TM	UW	XV min	XV max	RT
VCNT 160	160	32	140	40	32	200	190	149	191	M16
VCNT 200	200	32	175	40	32	250	240	164	206	M16
VCNT 250	250	40	220	50	40	320	296	187	223	M20

MATERIAL: STEEL

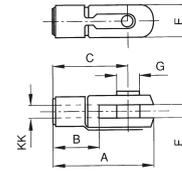
VSI - INTERMEDIATE HINGE SUPPORT


Code	Ø	A	M	R	P	C	S	L	U	T	E
VSI 160	160 - 200	92	40	60	30	60	32	22.5	26	18	17
VSI 250	250	140	56	70	35	90	40	31	33	22	20

MATERIAL: STEEL / SUGGESTED FOR VCNT - XCN - VCNL - VCNF

FIXING ELEMENTS AND ACCESSORIES - SERIES E

FC - YOKE WITH LOCABLE PIN

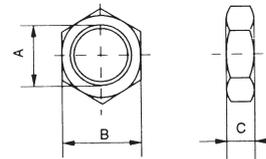


Code ●	Code ■	KK	A	B	C	E	F	G
* FC 160	* FCI 160	M36x2	188	72	144	70	35	35
* FC 250	-	M42x2	232	84	168	85	42	42
* FC 320	-	M48x2	265	96	192	96	50	50

● MATERIAL: Steel / ■ MATERIAL: Stainless steel

* With pin and seeger

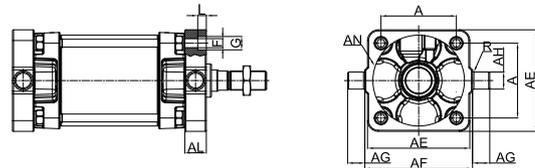
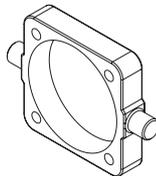
DA - NUT FOR RODS



Code	A	B	C
EDA00 00 51 I6 ZI	M36X2	55	14
EDA00 00 51 L0 ZI	M42X2	65	20
EDA00 00 51 DG ZI	M48X2	75	24

MATERIAL: STEEL

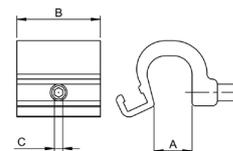
VCF - FRONT/REAR HINGE WITH FLOATING PIN



Code	Ø	AE	AL	AH	AG	AF	AN	A	F	G	L	R	MASS
Code	Ø	MAX	MAX	e9	h14	h14	+0,2/0	±0,2	H13	H13	+0,5/0	0/-0,3	g
KF-14160AP	160	190	40	32	32	200	170	140	17	25	16	2,5	4150
KF-14200AP	200	240	40	32	32	250	211	175	17	25	16	2,5	7350

MATERIAL: Zinc-plated steel

EXF - BRACKET FOR DSL - DSH - DT SENSORS



Code	Ø	A	B	C
EXF160	160 - 200 - 250	20	25	2,5