



TECHNICAL CHARACTERISTICS



Norma di Riferimento

II 2 GD h T6 -20°C<Tamb<80°C



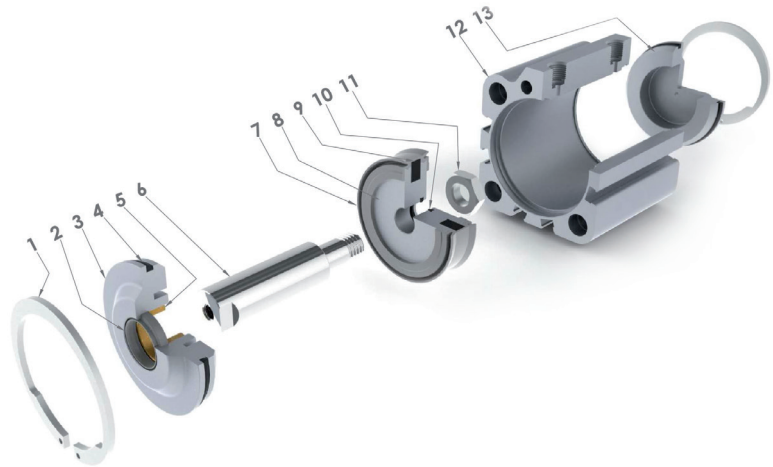
1907/2006

REACH

2011/65/CE

RoHS

SILICON
FREE



Front and back cover $\varnothing 12$ $\varnothing 16$ $\varnothing 20$ $\varnothing 25$ are made in brass.



Pressures

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



Temperatures

0 °C (-20 °C whit dry air)
+ 80 °C



Fluids

Filtered and lubricated compressed
air as well as non lubricated air.



Bores

From 12 to 100 mm



Standard Strokes

From 5 to 100 mm



Sensori consigliati

DF - DT



Functioning

Single and Double-acting
magnetic.
Single or through piston rod
magnetic.
Antirotation magnetic.



From 20 to 25 mm

UNITOP

From 32 to 100 mm

ISO
15552



Component and Materials

1. Steel Seeger
2. Polyurethane Rod Seal
3. Anodised aluminium Front cover
4. NBR Seals
5. Sintered bronze Bearing
6. Chrome steel Piston rod
(AISI 303 from 12 to 25)(C40 from 32 to 100)
7. Polyurethane Piston Seal
8. Aluminium Piston
9. Plastroferrite Magnet
10. O-Ring in NBR
11. Zinc-plated steel Piston Nut
12. Anodised aluminium Cylinder shape body
13. Anodised aluminium Back cover

SERIES B - SHORT STROKE CYLINDERS ISO 21287



Series	Version	Ø mm	Stroke
B B		0 1 2	0 0 2 5
▲ BB Single-Acting Magnetic ▲ BD Single-Acting Magnetic Molla in thrust ● BF Double acting Magnet ● BJ Double acting Through piston rod Magnet ● BFA Double acting Magnet Antirotationa	= Standard female rod M = Male rod (NO QFA)	012 016 020 025 032 040 050 063 080 100	0005 0010 0015 0020 0025 0030 0040 0050 0075 0100

Intermediate or higher strokes are available on request.

Ø mm	Stroke mm									
	5	10	15	20	25	30	40	50	75	100
12	●▲	●▲	●▲	●▲	●▲	●	●			
16	●▲	●▲	●▲	●▲	●▲	●	●			
20	●▲	●▲	●▲	●▲	●▲	●	●	●		
25	●▲	●▲	●▲	●▲	●▲	●	●	●		
32	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●
40	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●
50	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●
63	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●
80	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●
100	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●	●

THRUST AND TRACTION FORCES

Cylinder	Rod	Effective area		Working pressure									
Ø	Ø	mm²		bar									
				1	2	3	4	5	6	7	8	9	10
Developed force													
12	6	S	= 113	10	20	30	40	50	60	70	80	90	100
		T	= 85	7,5	15	22	30	37	45	52	60	68	75
16	8	S	= 200	18	35	53	70	90	105	125	145	160	180
		T	= 150	13	26	40	53	65	80	95	105	120	130
20	10	S	= 314	28	55	85	110	140	170	195	220	250	280
		T	= 235	21	42	60	85	105	125	150	170	190	210
25	10	S	= 490	44	88	132	176	220	264	308	352	396	440
		T	= 412	36	72	108	144	180	216	252	288	324	360
32	12	S	= 804	72	144	216	288	360	432	504	576	648	720
		T	= 691	62	124	186	248	310	372	434	496	558	620
40	12	S	= 1257	110	220	330	440	550	660	770	880	990	1100
		T	= 1144	100	200	300	400	500	600	700	800	900	1000
50	16	S	= 1963	175	350	525	700	875	1050	1225	1400	1575	1750
		T	= 1762	155	310	465	620	775	930	1085	1240	1395	1550
63	16	S	= 3117	280	560	840	1120	1400	1680	1960	2240	2520	2800
		T	= 2916	260	520	780	1040	1300	1560	1820	2080	2340	2600
80	20	S	= 5027	450	900	1350	1800	2250	2700	3150	3600	4050	4500
		T	= 4712	420	840	1260	1680	2100	2520	2940	3360	3780	4200
100	25	S	= 7854	700	1400	2100	2800	3500	4200	4900	5650	6360	7000
		T	= 7363	660	1320	1980	2640	3300	3960	4620	5280	5940	6600

S Thrust; T Traction

SPRING FORCES

Cylinder Ø	spring forces	Stroke							
		5	10	15	20	25	30	40	50
		Developed force							
12	R	7,5	6,8	6	5,2	4,5	-	-	-
	C	8	8	8	8	8	-	-	-
16	R	12,3	10,8	9,5	7,8	6,5	-	-	-
	C	13,3	13,3	13,3	13,3	13,3	-	-	-
20	R	15,7	14	12,2	10,4	8,7	-	-	-
	C	17,4	17,4	17,4	17,4	17,4	-	-	-
25	R	19,5	18,5	17,3	16	15	-	-	-
	C	22	22	22	22	22	-	-	-
32	R	13,1	23,6	34	39,3	44,5	49,8	55	60,3
	C	65,5	65,5	65,5	65,5	65,5	65,5	65,5	65,5
40	R	44,7	42,2	39,6	37	34,4	31,8	26,7	21,6
	C	47,3	47,3	47,3	47,3	47,3	47,3	47,3	47,3
50	R	32,6	31	29,6	28,1	26,6	25,1	22,2	19,2
	C	34	34	34	34	34	34	34	34
63	R	62,3	59,8	57,2	54,7	52,2	49,7	44,6	39,6
	C	64,8	64,8	64,8	64,8	64,8	64,8	64,8	64,8
80	R	90,7	87	84,4	81,3	78	75	68,7	62,5
	C	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8
100	R	156	150	145	140	134	129	118	107
	C	161	161	161	161	161	161	161	161

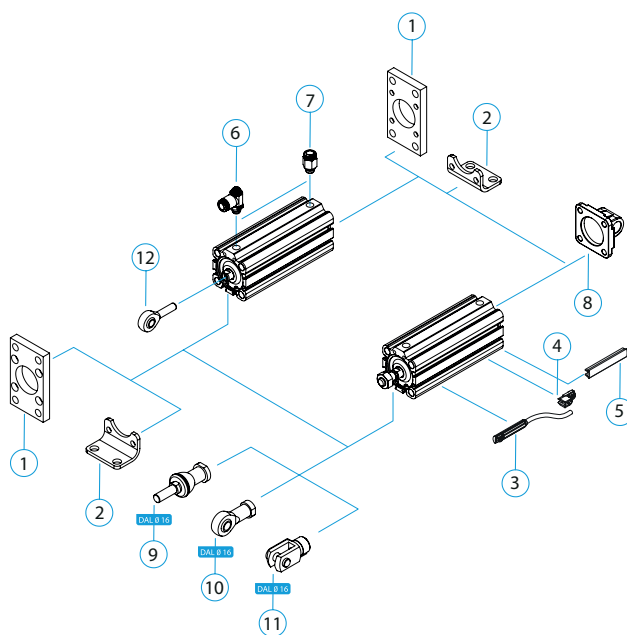
R Spring load at rest; C Compressed spring load

CYLINDER AIR CONSUMPTION

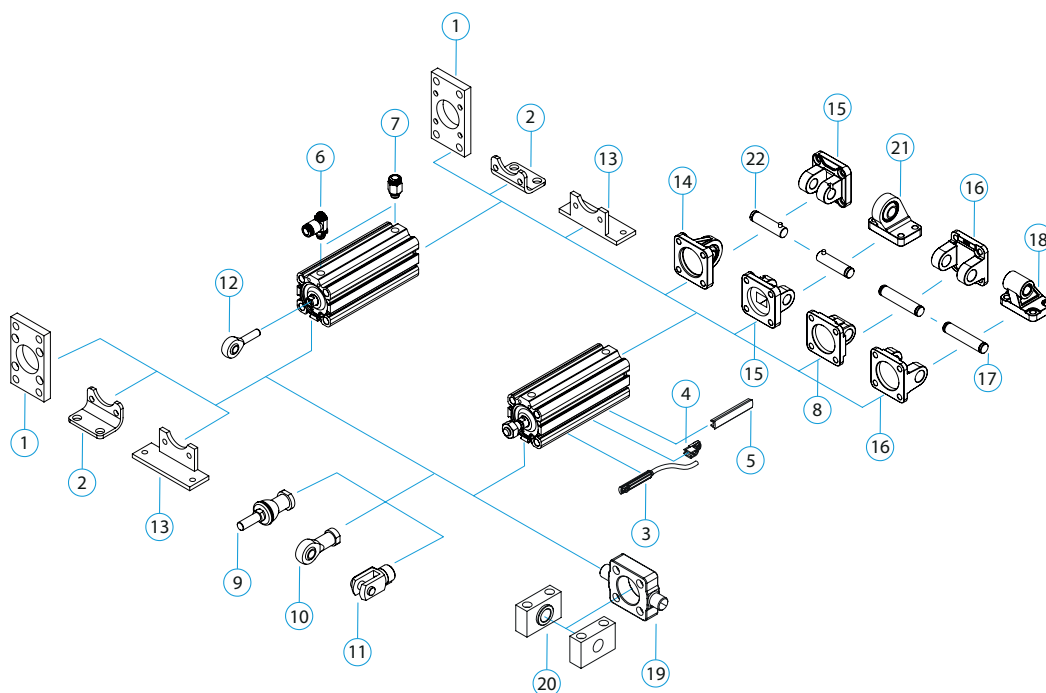
Cylinder	Rod	Effective area		Working pressure									
Ø	Ø	mm²		bar									
				1	2	3	4	5	6	7	8	9	10
Air consumption per 10 mm of stroke													
12	6	S	= 113	0,002	0,003	0,005	0,006	0,007	0,008	0,009	0,010	0,011	0,012
		T	= 85	0,002	0,003	0,003	0,004	0,005	0,006	0,007	0,008	0,009	0,009
16	8	S	= 200	0,004	0,006	0,008	0,010	0,012	0,014	0,016	0,018	0,020	0,022
		T	= 150	0,003	0,005	0,006	0,008	0,009	0,011	0,012	0,014	0,015	0,017
20	10	S	= 314	0,006	0,009	0,013	0,016	0,019	0,022	0,025	0,028	0,031	0,035
		T	= 235	0,005	0,007	0,009	0,012	0,014	0,016	0,019	0,021	0,024	0,026
25	10	S	= 490	0,010	0,015	0,020	0,025	0,029	0,034	0,039	0,044	0,049	0,054
		T	= 412	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041	0,045
32	12	S	= 804	0,016	0,024	0,032	0,040	0,048	0,056	0,064	0,072	0,080	0,088
		T	= 691	0,014	0,021	0,028	0,035	0,041	0,048	0,055	0,062	0,069	0,076
40	12	S	= 1257	0,025	0,038	0,050	0,063	0,075	0,088	0,101	0,113	0,126	0,138
		T	= 1144	0,023	0,034	0,046	0,057	0,069	0,080	0,092	0,103	0,114	0,126
50	16	S	= 1963	0,039	0,059	0,079	0,098	0,118	0,137	0,157	0,177	0,196	0,216
		T	= 1762	0,035	0,053	0,070	0,088	0,106	0,123	0,141	0,159	0,176	0,194
63	16	S	= 3117	0,062	0,094	0,125	0,156	0,187	0,218	0,249	0,281	0,312	0,343
		T	= 2916	0,058	0,087	0,117	0,146	0,175	0,204	0,233	0,262	0,292	0,321
80	20	S	= 5027	0,101	0,151	0,201	0,251	0,302	0,352	0,402	0,452	0,503	0,553
		T	= 4712	0,094	0,141	0,188	0,236	0,283	0,330	0,377	0,424	0,471	0,518
100	25	S	= 7854	0,157	0,236	0,314	0,393	0,471	0,550	0,628	0,707	0,785	0,864
		T	= 7363	0,147	0,221	0,295	0,368	0,442	0,515	0,589	0,663	0,736	0,810

S Thrust; T Traction

FIXING ELEMENTS AND ACCESSORIES - SERIES B Ø12 - Ø25



1	FLANGE - QFL
2	LOW-RISE PEDESTAL - QCP
3	SENSOR DF - DSL - DSH
4	CABLE CLAMPING FOR DF SENSOR
5	DHF COVERING STRIPA
6	FLOW REGULATOR
7	QUICK CONNECTOR
8	MALE HINGE WITH SELF-LUBRICATING BUSHES - QCM
9	SNODABLE YOKE- TS
10	ROD ENDS SELF-LUBRICATING - TF
11	YOKE WITH LOCABLE PIN - FC
12	MALE ROD ENDS - TM

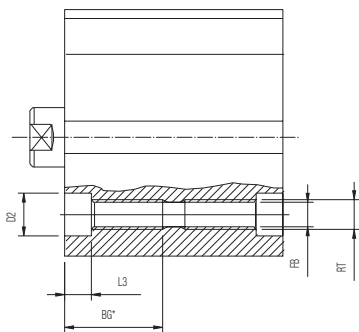
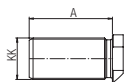
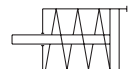
FIXING ELEMENTS AND ACCESSORIES - SERIES B Ø32 - Ø100


1	FLANGE - VFL
2	LOW-RISE PEDESTAL - VCP
3	SENSOR DF - DSL - DSH
4	CABLE CLAMPING FOR DF SENSOR
5	DHF COVERING STRIPA
6	FLOW REGULATOR
7	QUICK CONNECTOR
8	MALE CLEVIS WITH SELF-LUBRICATING BUSHES - VCM
9	SNODABLE YOKE- TS
10	ROD ENDS SELF-LUBRICATING - TF
11	YOKE WITH LOCABLE PIN - FC

12	MALE ROD ENDS - TM
13	LARGE LOW-RISE PEDESTAL - VCB
14	NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K - VCS
15	NARROW FEMALE HINGE FOR SQUARE JOINT WITH ARTICULATED HEAD DIN648K - VCD
16	FEMALE HINGE WITH SELF-LUBRICATING BUSHES - VCF / VCH
17	PIN ANTI-ROTATION FOR NARROW FEMALE HINGE - VPS
18	SQUARE JOINT - VAS
19	FRONT/REAR HINGE - VCNF
20	SUPPORT FOR INTERMEDIATE HINGE - VSI
21	ARTICULATED COUNTER HINGE - VADZ
22	PIN WITH SEEGER - VPE

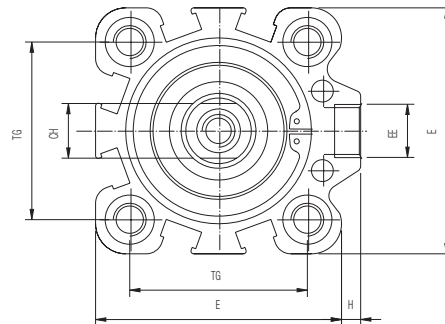
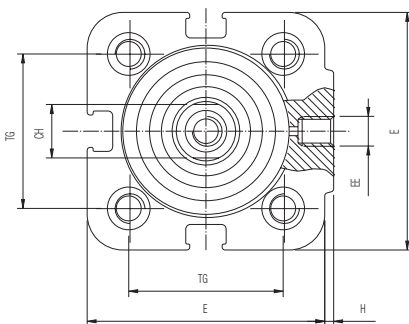
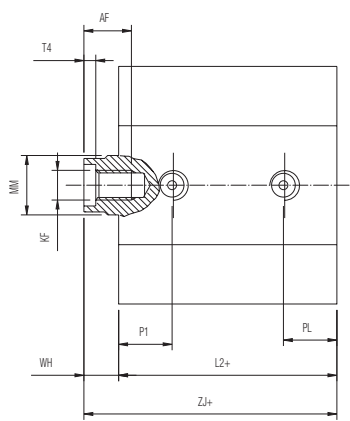
BB

SINGLE-ACTING MAGNETIC



Ø 12-16-20-25

Ø 32-40-50-63-80-100



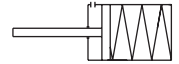
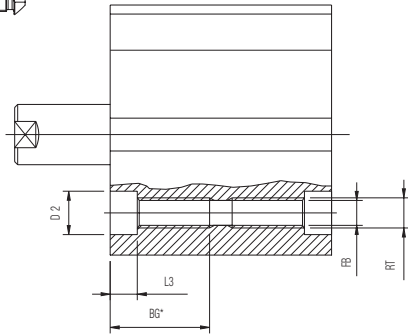
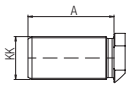
+ = Add Stroke

* = Through threads only on small strokes

Ø	KK	A	AF	RT	BG*	ØD2	E	EE	ØFB	H	KF	L2+	L3	ØMM	P1	PL	T4	TG	WH	ZJ+	CH
12	M6	16	6	M4	12.5	5.5	29	M5	3.3	1	M3	28	3.5	6	7.5	7.5	1.5	18	6	34	5
16	M8	20	8	M4	14.5	5.5	29	M5	3.3	1	M4	30.5	3.5	8	8.5	8.5	2	18	6	36.5	7
20	M10X1,25	22	8	M5	16.5	7.2	36	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	22	6	37.5	9
25	M10X1,25	22	8	M5	16.5	7.2	40	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	26	6	37.5	9
32	M10X1,25	22	10	M6	21.7	8.5	45	G1/8	5	3.5	M6	32	5.7	12	10	10	2.8	32.5	7	39	10
40	M10X1,25	22	10	M6	21.7	8.5	52	G1/8	5	5	M6	38.5	5.7	12	11	11	2.8	38	7.2	45.7	10
50	M12X1,25	24	12	M8	22.8	10	63.5	G1/8	6.8	7	M8	39	6.8	16	11	11	3.5	46.5	8.5	47.5	13
63	M12X1,25	24	12	M8	22.8	10	77	G1/8	6.8	7	M8	46	6.8	16	11.5	11.5	3.5	56.5	8	54	13
80	M16X1,5	32	16	M10	25	13	92	G1/8	8.5	10	M10	54	9	20	14	14	4.5	72	11	65	17
100	M20X1,5	40	20	M10	25	13	113	G1/4	8.5	13	M12	65	9	25	17.5	17.5	6	89	12	77	22

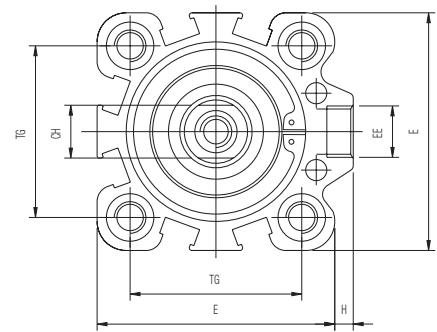
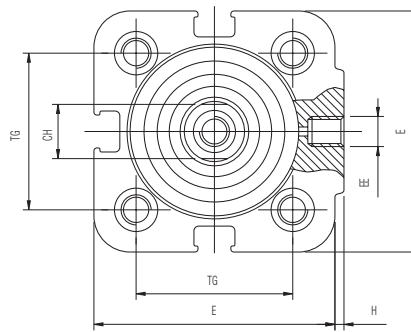
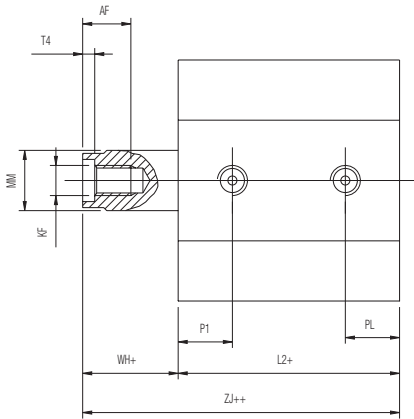
BD

SINGLE-ACTING MAGNETIC - SPRING THRUST



Ø 12-16-20-25

Ø 32-40-50-63-80-100



+ = Add Stroke

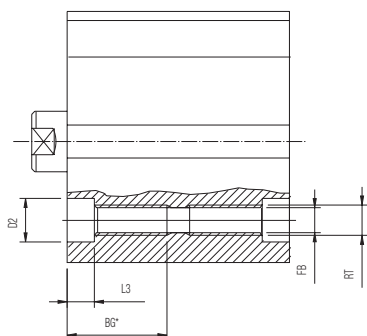
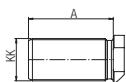
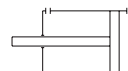
* = Through threads only on small strokes

++ = Double stroke dimension and add it

Ø	KK	A	AF	RT	BG*	ØD2	E	EE	ØFB	H	KF	L2+	L3	ØMM	P1	PL	T4	TG	WH+	ZJ++	CH
12	M6	16	6	M4	12.5	5.5	29	M5	3.3	1	M3	28	3.5	6	7.5	7.5	1.5	18	6	34	5
16	M8	20	8	M4	14.5	5.5	29	M5	3.3	1	M4	30.5	3.5	8	8.5	8.5	2	18	6	36.5	7
20	M10X1,25	22	8	M5	16.5	7.2	36	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	22	6	37.5	9
25	M10X1,25	22	8	M5	16.5	7.2	40	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	26	6	37.5	9
32	M10X1,25	22	10	M6	21.7	8.5	45	G1/8	5	3.5	M6	32	5.7	12	10	10	2.8	32.5	7	39	10
40	M10X1,25	22	10	M6	21.7	8.5	52	G1/8	5	5	M6	38.5	5.7	12	11	11	2.8	38	7.2	45.7	10
50	M12X1,25	24	12	M8	22.8	10	63.5	G1/8	6.8	7	M8	39	6.8	16	11	11	3.5	46.5	8.5	47.5	13
63	M12X1,25	24	12	M8	22.8	10	77	G1/8	6.8	7	M8	46	6.8	16	11.5	11.5	3.5	56.5	8	54	13
80	M16X1,5	32	16	M10	25	13	92	G1/8	8.5	10	M10	54	9	20	14	14	4.5	72	11	65	17
100	M20X1,5	40	20	M10	25	13	113	G1/4	8.5	13	M12	65	9	25	17.5	17.5	6	89	12	77	22

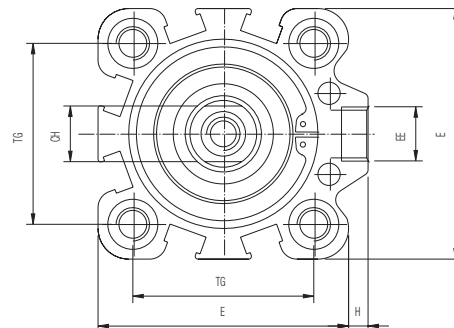
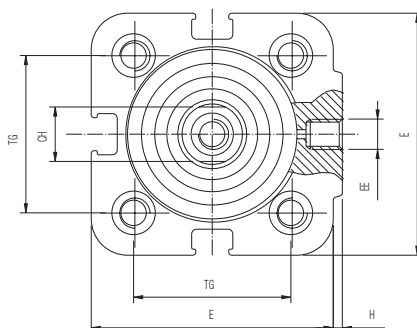
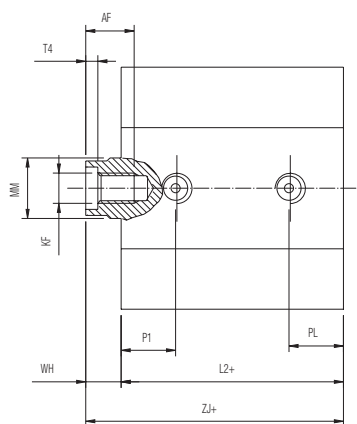
BF

DOUBLE ACTING MAGNETIC



Ø 12-16-20-25

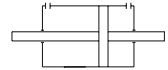
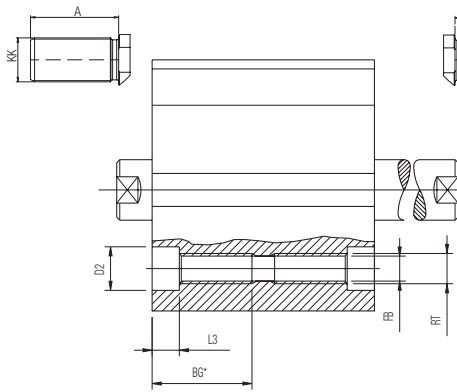
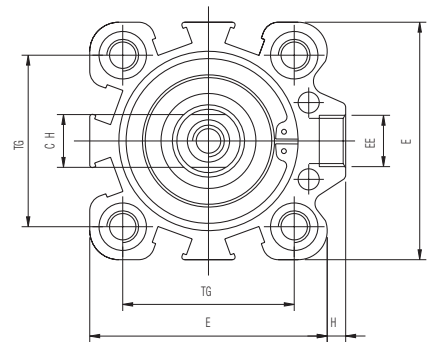
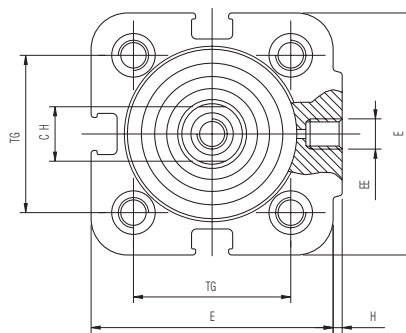
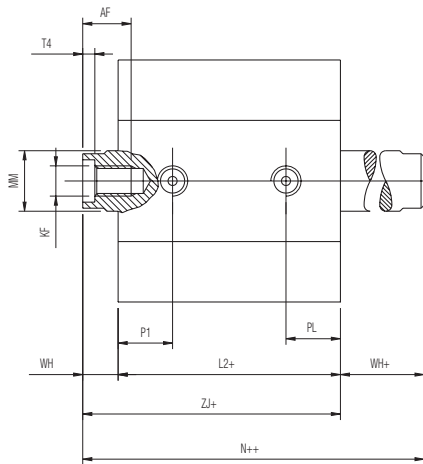
Ø 32-40-50-63-80-100



+ = Add Stroke

* = Through threads only on small strokes

Ø	KK	A	AF	RT	BG*	ØD2	E	EE	ØFB	H	KF	L2+	L3	ØMM	P1	PL	T4	TG	WH	ZJ+	CH
12	M6	16	6	M4	12.5	5.5	29	M5	3.3	1	M3	28	3.5	6	7.5	7.5	1.5	18	6	34	5
16	M8	20	8	M4	14.5	5.5	29	M5	3.3	1	M4	30.5	3.5	8	8.5	8.5	2	18	6	36.5	7
20	M10X1,25	22	8	M5	16.5	7.2	36	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	22	6	37.5	9
25	M10X1,25	22	8	M5	16.5	7.2	40	M5	4.2	1.5	M5	31.5	4.5	10	9	9	2	26	6	37.5	9
32	M10X1,25	22	10	M6	21.7	8.5	45	G1/8	5	3.5	M6	32	5.7	12	10	10	2.8	32.5	7	39	10
40	M10X1,25	22	10	M6	21.7	8.5	52	G1/8	5	5	M6	38.5	5.7	12	11	11	2.8	38	7.2	45.7	10
50	M12X1,25	24	12	M8	22.8	10	63.5	G1/8	6.8	7	M8	39	6.8	16	11	11	3.5	46.5	8.5	47.5	13
63	M12X1,25	24	12	M8	22.8	10	77	G1/8	6.8	7	M8	46	6.8	16	11.5	11.5	3.5	56.5	8	54	13
80	M16X1,5	32	16	M10	25	13	92	G1/8	8.5	10	M10	54	9	20	14	14	4.5	72	11	65	17
100	M20X1,5	40	20	M10	25	13	113	G1/4	8.5	13	M12	65	9	25	17.5	17.5	6	89	12	77	22

BJ
DOUBLE ACTING MAGNETIC WITH DOUBLE ROD END

Ø 12-16-20-25
Ø 32-40-50-63-80-100


+ = Add Stroke

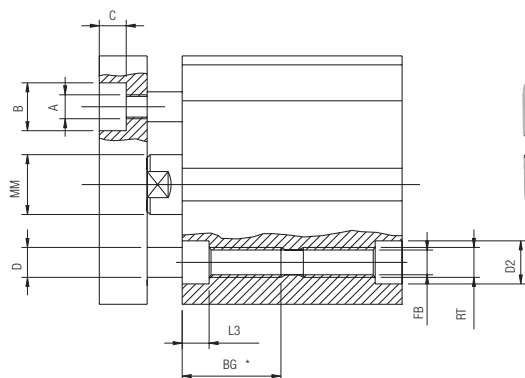
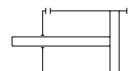
* = Through threads only on small strokes

++ = Double stroke dimension and add it

Ø	KK	A	AF	RT	BG*	ØD2	E	EE	ØFB	H	KF	CH	L2	L3	ØMM	P1	PL	T4	TG	N++	WH/WH+	ZJ+
12	M6	16	6	M4	12.5	5.5	29	M5	3.3	1	M3	5	28	3.5	6	7.5	7.5	1.5	18	40	6	34
16	M8	20	8	M4	14.5	5.5	29	M5	3.3	1	M4	7	30.5	3.5	8	8.5	8.5	2	18	42.5	6	36.5
20	M10X1,25	22	8	M5	16.5	7.2	36	M5	4.2	1.5	M5	9	31.5	4.5	10	9	9	2	22	43.5	6	37.5
25	M10X1,25	22	8	M5	16.5	7.2	40	M5	4.2	1.5	M5	9	31.5	4.5	10	9	9	2	26	43.5	6	37.5
32	M10X1,25	22	10	M6	21.7	8.5	45	G1/8	5	3.5	M6	10	32	5.7	12	10	10	2.8	32.5	46	7	39
40	M10X1,25	22	10	M6	21.7	8.5	52	G1/8	5	5	M6	10	38.5	5.7	12	11	11	2.8	38	53	7.2	45.7
50	M12X1,25	24	12	M8	22.8	10	63.5	G1/8	6.8	7	M8	13	39	6.8	16	11	11	3.5	46.5	56	8.5	47.5
63	M12X1,25	24	12	M8	22.8	10	77	G1/8	6.8	7	M8	13	46	6.8	16	11.5	11.5	3.5	56.5	62	8	54
80	M16X1,5	32	16	M10	25	13	92	G1/8	8.5	10	M10	17	54	9	20	14	14	4.5	72	76	11	65
100	M20X1,5	40	20	M10	25	13	113	G1/4	8.5	13	M12	22	65	9	25	17.5	17.5	6	89	89	12	77

BFA

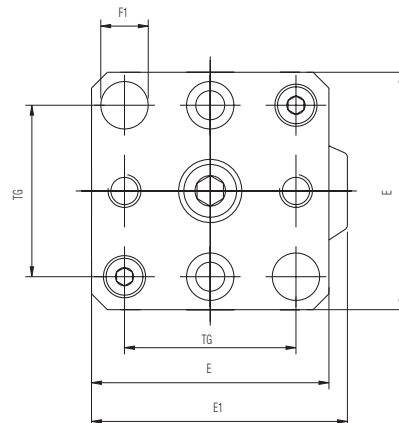
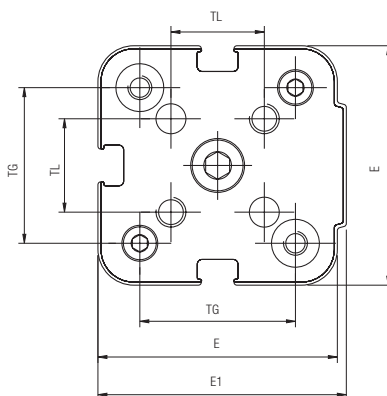
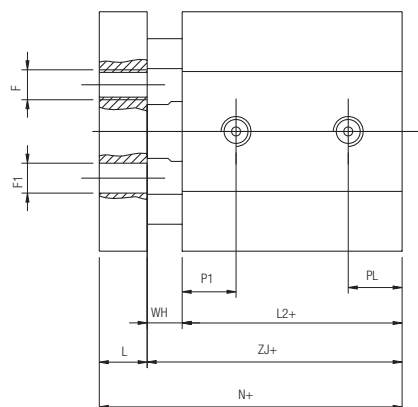
DOUBLE ACTING MAGNETIC ANTIROTATION



Ø 12-16-20-25



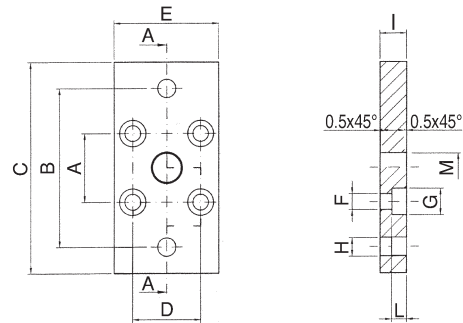
Ø 32-40-50-63-80-100



+ = Add Stroke

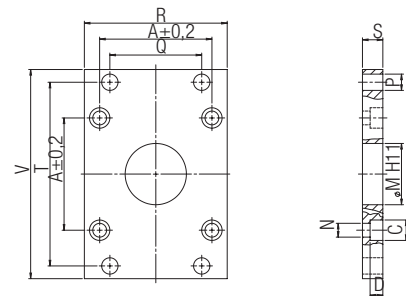
* = Through threads only on small strokes

Ø	A	ØB	C	ØD	E	E1	F	ØF1	ØFB	RT	BG*	ØD2	L	L2+	L3	ØMM	P1	PL	TG	TL	WH	ZJ+	N+
12	M3	6	3.5	4	28.2	30	M3	3	3.5	M4	12.5	5.5	5	28	3.5	6	7.5	7.5	18	9.9	6	34	39
16	M3	6	3.5	4	28.2	30	M3	3	3.5	M4	14.5	5.5	5	30.5	3.5	8	8.5	8.5	18	9.9	6	36.5	41.5
20	M3	6	3.5	6	35	37.5	M4	4	4.2	M5	16.5	7	8	31.5	4.5	10	9	9	22	12	6	37.5	45.5
25	M4	8	4.5	6	39	41.5	M5	5	4.2	M5	16.5	7	8	31.5	4.5	10	9	9	26	15.6	6	37.5	45.5
32	4.5	8	4.5	6	45	48.5	M5	9	5	M6	21.7	8.5	10	32	5.7	12	10	10	32.5	-	7	39	48
40	4.5	8	4.5	6	52	57	M5	9	5	M6	21.7	8.5	10	38.5	5.7	12	11	11	38	-	7.2	45.7	55.5
50	5.5	9	5.5	8	63.5	70.5	M6	10	6.8	M8	22.8	10	12	39	6.8	16	11	11	46.5	-	8.5	47.5	59
63	5.5	9	5.5	8	75	84	M6	14	6.8	M8	22.8	10	12	46	6.8	16	11.5	11.5	56.5	-	8	54	66
80	8.5	14	9	12	90	102	M8	14	8.5	M10	25	13	14	54	9	20	14	14	72	-	11	65	79
100	8.5	14	9	12	110	126	M8	17	8.5	M10	25	13	14	65	9	25	17.5	17.5	89	-	12	77	91

FIXING ELEMENTS AND ACCESSORIES
QFL
FLANGE


Code	Ø	A	B	C	D	E	F	G	H	I	L	M
QFL 012	12 - 16	18	43	55	18	29	4.5	9	5.5	10	5.4	10
QFL 020	20	22	55	70	22	36	5.5	10	6.6	10	5.4	12
QFL 025	25	26	60	76	26	40	5.5	10	6.6	10	5.4	12

Materiale: Steel

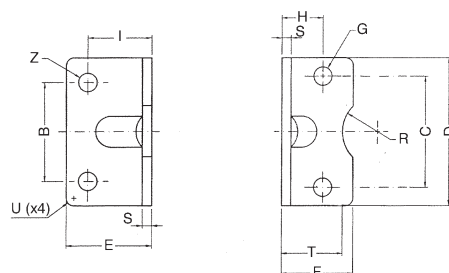
VFL
FLANGE


Aignep ●	Aignep ■	Univer ●	Ø	Ø M	P	S	D	C	N	A	Q	R	T	V
VFL 032	VFLI 032	KF-12032	32	30	7	10	5	10.5	6.5	32.5	32	45	64	80
VFL 040	VFLI 040	KF-12040	40	35	9	10	5	11	6.5	38	36	52	72	90
VFL 050	VFLI 050	KF-12050	50	40	9	12	5.5	15	8.5	46.5	45	65	90	110
VFL 063	VFLI 063	KF-12063	63	45	9	12	5.5	15	8.5	56.5	50	75	100	120
VFL 080	VFLI 080	KF-12080	80	45	12	16	8	18	10.5	72	63	95	126	150
VFL 100	VFLI 100	KF-12100	100	55	14	16	8	18	10.5	89	75	115	150	170
VFL 125	-	KF-12125	125	60	16	20	9.5	20	13.5	110	90	140	180	205

● Material: Steel
 ■ Material: Stainless steel
 Screw: din6912

QCP

LOW-RISE PEDESTAL

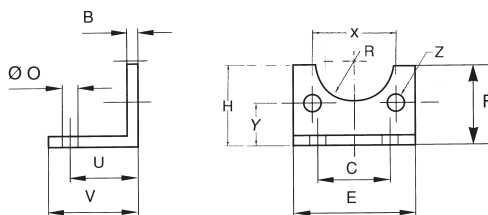


Aignep	Univer	Ø	C	B	D	E	F	G	H	I	S	T	R	U	Z
QCP 012	RPF-13016	12 - 16	18	18	30	17.5	17.5	4.4	13	13	3	15	9	2	5.5
QCP 020	RPF-13020	20	22	22	36	22	22	5.4	16	16	4	17	10	2	6.6
QCP 025	RPF-13025	25	26	26	40	22	23	5.4	17	16	4	19	11	2	6.6

● Material: Steel

VCP

LOW RISE PEDESTAL



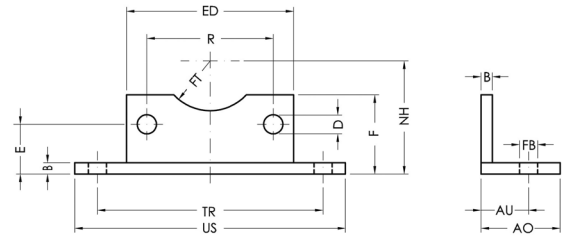
Aignep ●	Aignep ■	Univer ●	Ø	B	C	E	F	O	U	V	R	Z	X	Y	H
VCP 032	VCPI 032	KF-13032	32	4	32	45	30	7	24	35	15	7	32.5	15.75	32
VCP 040	VCPI 040	KF-13040	40	4	36	52	30	9	28	36	17.5	7	38	17	36
VCP 050	VCPI 050	KF-13050	50	5	45	65	36	9	32	47	20	9	46.5	21.75	45
VCP 063	VCPI 063	KF-13063	63	5	50	75	35	9	32	45	22.5	9	56.5	21.75	50
VCP 080	VCPI 080	KF-13080	80	6	63	95	47	12	41	55	22.5	11	72	27	63
VCP 100	VCPI 100	KF-13100	100	6	75	115	53	14	41	57	27.5	11	89	26.5	71
VCP 125	VCPI 125	KF-13125	125	8	90	140	70	16	45	70	30	14	110	35	90

● Material: steel

■ Material: Stainless steel

VCB

LARGE LOW-RISE PEDESTAL

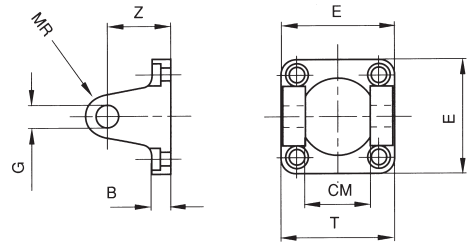


Aignep	Ø	US	ED	F	AO	B	TR	E	D	FT	NH	R	AU	FB
VCB 032 NE	32	79	45	30	30	5	65	15.75	6.5	15	32	32.5	18	6.5
VCB 040 NE	40	90	55	30	30	5	75	17	6.5	17.5	36	38	18	6.5
VCB 050 NE	50	110	65	35	35	5	90	21.75	8.5	20	45	46.5	21	8.5
VCB 063 NE	63	120	75	35	35	5	100	21.75	8.5	22.5	50	56.5	21	8.5
VCB 080 NE	80	153	95	45	45	6	128	27	10.5	22.5	63	72	27	10.5
VCB 100 NE	100	178	115	45	45	6	148	26.5	10.5	27.5	71	89	27	10.5

Material: Steel

VCF

FEMALE HINGE

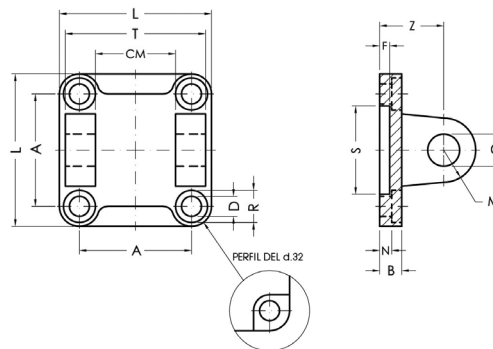


Aignep ●	Aignep ■	Ø	B	E	G	T	Z	CM	MR
VCF 032	VCFI 032	32	9	45	10	45	22	26	10
VCF 040	VCFI 040	40	9	52	12	52	25	28	12
VCF 050	VCFI 050	50	11	65	12	60	27	32	12
VCF 063	VCFI 063	63	11	75	16	70	32	40	16
VCF 080	VCFI 080	80	14	95	16	90	36	50	16
VCF 100	VCFI 100	100	14	115	20	110	41	60	20
VCF 125	VCFI 125	125	20	140	25	130	50	70	25

- Material: Aluminium
With self-lubricating bushes
- Material: Stainless steel

VCH

FEMALE CLEVIS BRACKET



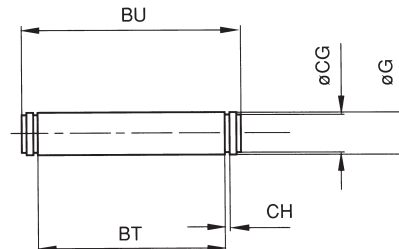
Aignep •	Aignep ♦	Univer •	Ø	A	L	D	R	N	B	S	F	Z	G	M	CM	T
VCH 032	VCHZ 032 NE	KF-10032	32	32.5	45	6.6	11	5.5	9	30	5	22	10	10	26	45
VCH 040	VCHZ 040 NE	KF-10040	40	38	52	6.6	11	5.5	9	35	5	25	12	12	28	52
VCH 050	VCHZ 050 NE	KF-10050	50	46.5	65	9	15	6.5	11	40	5	27	12	12	32	60
VCH 063	VCHZ 063 NE	KF-10063	63	56.5	75	9	15	6.5	11	45	5	32	16	16	40	70
VCH 080	VCHZ 080 NE	KF-10080	80	72	95	11	18	10	14	45	5	36	16	16	50	90
VCH 100	VCHZ 100 NE	KF-10100	100	89	115	11	18	10	14	55	5	41	20	20	60	110
VCH 125	VCHZ 125 NE	KF-10125	125	110	140	14	20	10	20	60	7	50	25	25	70	130

• Material: Aluminium

■ Material: Steel

VPE

PIN WITH SEEGER



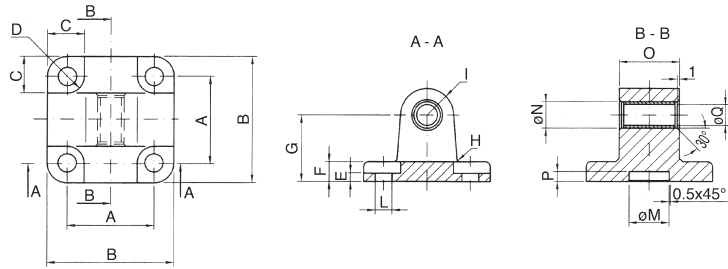
Aignep •	Aignep ■	Univer •	Ø	G	BT	BU	CG	CH
VPE 032	VPEI 032	KF-18032	32	10	46	53	9.6	1.1
VPE 040	VPEI 040	KF-18040	40	12	53	60	11.5	1.1
VPE 050	VPEI 050	KF-18050	50	12	61	68	11.5	1.1
VPE 063	VPEI 063	KF-18063	63	16	71	78	15.2	1.1
VPE 080	VPEI 080	KF-18080	80	16	91	98	15.2	1.1
VPE 100	VPEI 100	KF-18100	100	20	111	118	19	1.3
VPE 125	VPEI 125	KF-18125	125	25	132	139	23.9	1.3

• Material: Steel

■ Material: Stainless steel

QCM

MALE HINGE

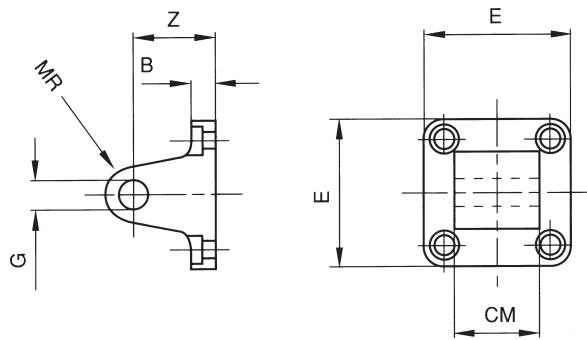
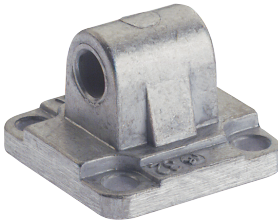


Aignep	Univer	Ø	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
QCM 012 RPF-11016	12 - 16	18	27	10	4.5	2.6	6	16	2	6	4.5	10	8	12	3	6	
QCM 020 RPF-11020	20	22	34	11	5	2.6	6	20	2	8	5.5	12	10	16	3	8	
QCM 025 RPF-11025	25	26	38	11	5	2.6	6	20	2	8	5.5	12	10	16	3	8	

Material: Alluminium
with self-lubricating bushes

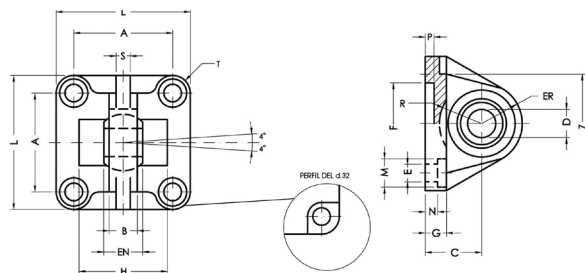
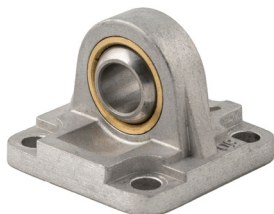
VCM

MALE CLEVIS



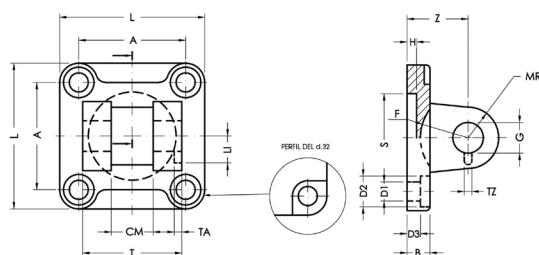
Aignep ●	Aignep ■	Aignep ◆	Univer ●	Ø	B	E	G	Z	CM	MR
VCM 032	VCM1 032	VCMZ 032 NE	KF-11032	32	9	45	10	22	26	10
VCM 040	VCM1 040	VCMZ 040 NE	KF-11040	40	9	52	12	25	28	12
VCM 050	VCM1 050	VCMZ 050 NE	KF-11050	50	11	65	12	27	32	12
VCM 063	VCM1 063	VCMZ 063 NE	KF-11063	63	11	75	16	32	40	16
VCM 080	VCM1 080	VCMZ 080 NE	KF-11080	80	14	95	16	36	50	16
VCM 100	VCM1 100	VCMZ 100 NE	KF-11100	100	14	115	20	41	60	20
VCM 125	VCM1 125	VCMZ 125 NE	KF-11125	125	20	140	25	50	70	25

- Material: Alluminium with self-lubricating bushes
- Material: Stainless steel
- ◆ Material: Steel

NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K


Aignep •	Aignep ■	Aignep ♦	Univer •	Ø	A	B	C	D	EN	ER	F	G	E	L	M	N	P	H	R	S	Z	T
VCS 032	VCSI 032	VCSZ 032 NE	KF-11032S	32	32.5	10.5	22	10	14	16	30	9	6.6	45	11	5.5	5	-	-	4	32.5	6.25
VCS 040	VCSI 040	VCSZ 040 NE	KF-11040S	40	38	12	25	12	16	19	35	9	6.6	52	11	5.5	5	-	-	6	39	7
VCS 050	VCSI 050	VCSZ 050 NE	KF-11050S	50	46.5	15	27	16	21	21	40	11	9	65	15	6.5	5	51	18	8	47	9.25
VCS 063	VCSI 063	VCSZ 063 NE	KF-11063S	63	56.5	15	32	16	21	24	45	11	9	75	15	6.5	5	-	-	8	52	9.25
VCS 080	VCSI 080	VCSZ 080 NE	KF-11080S	80	72	18	36	20	25	28.5	45	14	11	95	18	10	5	72	24	10	67	11.5
VCS 100	VCSI 100	VCSZ 100 NE	KF-11100S	100	89	18	41	20	25	30	55	14	11	115	18	10	8	-	-	10	77	13
VCS 125	VCSI 125	VCSZ 125 NE	KF-11125S	125	110	25	50	30	37	40	60	20	13.5	140	20	10	7	-	-	13	98	15

- Material: Aluminium
- Material: Stainless steel
- ♦ Material: Steel

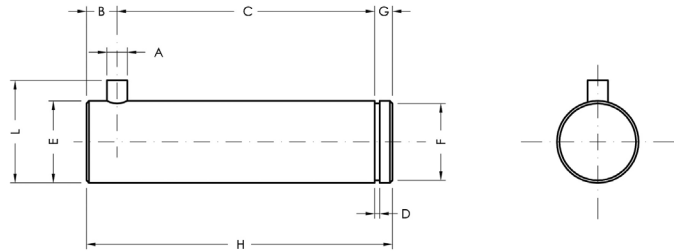
VCD
NARROW MALE HINGE WITH ARTICULATED HEAD DIN648K


Aignep •	Aignep ♦	Univer •	Ø	L	T	CM	A	Z	H	B	D3	S	G	MR	D1	D2	TA	TZ	LI	F
VCD 032	VCDZ 032 NE	KF-10032S	32	45	34	14	32.5	22	5	9	5.5	30	10	10	6.6	11	3	3.3	11.5	17
VCD 040	VCDZ 040 NE	KF-10040S	40	52	40	16	38	25	5	9	5.5	35	12	12	6.6	11	4	4.3	12	20
VCD 050	VCDZ 050 NE	KF-10050S	50	65	45	21	46.5	27	5	11	6.5	40	16	14	9	15	4	4.3	14	22
VCD 063	VCDZ 063 NE	KF-10063S	63	75	51	21	56.5	32	5	11	6.5	45	16	18	9	15	4	4.3	14	25
VCD 080	VCDZ 080 NE	KF-10080S	80	95	65	25	72	36	5	14	10	45	20	20	11	18	4	4.3	16	30
VCD 100	VCDZ 100 NE	KF-10100S	100	115	75	25	89	41	5	14	10	55	20	22	11	18	4	6.3	16	32
VCD 125	VCDZ 125 NE	KF-10125S	125	140	97	37	110	50	7	20	10	60	30	25	14	20	6	6.3	24	42

- Material: Aluminium
- ♦ Material: Steel

VPS

PIN ANTI-ROTATION FOR NARROW FEMALE HINGE VCD



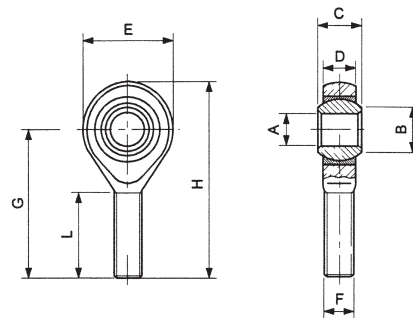
Aignep •	Aignep ■	Univer •	Ø	A	C	D	E	F	G	H	L	B
VPS 032	VPSI 032	-	32	3	32.5	1.1	10	9.6	4	41	14	4.5
VPS 040	VPSI 040	KF-18040S	40	4	38	1.1	12	11.5	4	48	16	6
VPS 050	VPSI 050	KF-18050S	50	4	43	1.1	16	15.2	5	54	20	6
VPS 063	VPSI 063	KF-18063S	63	4	49	1.1	16	15.2	5	54	20	6
VPS 080	VPSI 080	KF-18080S	80	4	63	1.3	20	19	6	75	24	6
VPS 100	VPSI 100	KF-18100S	100	4	73	1.3	20	19	6	85	24	6
VPS 125	VPSI 125	KF-18125S	125	6	94	1.6	30	28.6	7	110	36	9

• Material: Steel

• Material: Stainless steel

TM

MALE ROD ENDS



D : Dinamic

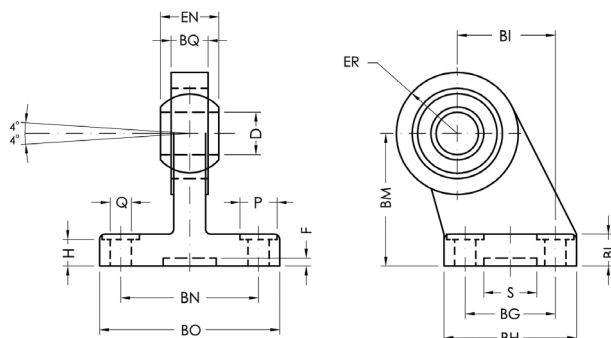
S : Static

Code	Ø	F	A	B	C	Sphere	D	E	G	H	L	Radial load		Weight
			0 H7	0	0 -0.13		±0.13	±0.5	±0.5		±0.7	D kg	S kg	g
TM 020	20	M5X0,8	5	7,5	8	11.11	7,5	18	33	42	19	430	1000	13
TM 032	25	M6x1	6	8.9	9	12.7	7.5	20	36	46	21	470	1100	15
TM 050	32 - 40	M8x1,25	8	10.4	12	15.88	9.5	24	42	54	25	780	1900	34
TM 080	50 - 63	M10x1,5	10	12.9	14	19.05	11.5	30	48	63	28	1200	3100	70
TM 100	80 - 100	M12x1,75	12	15.4	16	22.23	12.5	34	54	71	32	1400	3700	110

Material: Steel

VADZ

SQUADRE JOINT WITH ARTICULATED HEAD DIN648K



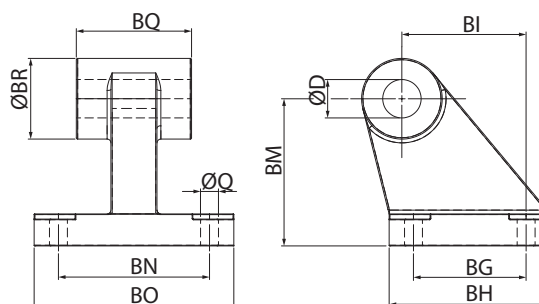
Aignep	Univer	Ø	Q	P	BG	BH	BI	BL	BM	BN	BO	EN	ER	BQ	D	H	S	F
VADZ 032 NE	KF-19032SC	32	6.6	11	18	31	21	10	32	38	51	14	15	10.5	10	8.5	20	3
VADZ 040 NE	KF-19040SC	40	6.6	11	22	35	24	10	36	41	54	16	18	12	12	8.5	20	3
VADZ 050 NE	KF-19050SC	50	9	15	30	45	33	12	45	50	65	21	20	15	16	10.5	20	3
VADZ 063 NE	KF-19063SC	63	9	15	35	50	37	12	50	52	67	21	23	15	16	10.5	20	3
VADZ 080 NE	KF-19080SC	80	11	18	40	60	47	14	63	66	86	25	27	18	20	11.5	20	3
VADZ 100 NE	KF-19100SC	100	11	18	50	70	55	15	71	76	96	25	30	18	20	12.5	20	3
VADZ 125 NE	KF-19125SC	125	13.5	20	60	90	70	20	90	94	124	37	40	25	30	17	20	3

Material: Steel

treatment: Black Cataphoresis

VAS

SQUARE JOINT



Aignep ●	Aignep ■	Univer ●	Ø	Q	BG	BH	BI	BM	BN	BO	BQ	BR	ØD
VAS 032	VASI 032	KF-19032SCTA	32	6.6	18	31	21	32	38	51	26	20	10
VAS 040	VASI 040	KF-19040SCTA	40	6.6	22	35	24	36	41	54	28	22	12
VAS 050	VASI 050	KF-19050SCTA	50	9	30	45	33	45	50	65	32	26	12
VAS 063	VASI 063	KF-19063SCTA	63	9	35	50	37	50	52	67	40	30	16
VAS 080	VASI 080	KF-19080SCTA	80	11	40	60	47	63	66	86	50	30	16
VAS 100	VASI 100	KF-19100SCTA	100	11	50	70	55	71	76	96	60	38	20
VAS 125	VASI 125	KF-19125SCTA	125	14	60	90	70	90	94	124	70	45	25

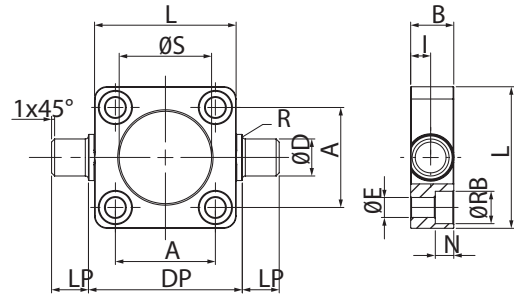
● Material: Aluminium

■ Material: Stainless steel

VCNF

FRONT - REAR HINGE

New

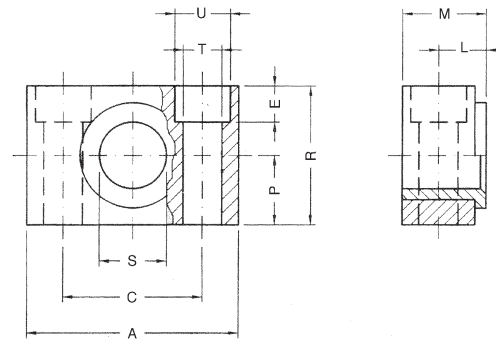


Aignep	Univer	Ø	A	L	DP	LP	D	S	B	R	I	E	RB	N
VCNF 032	KF-14032AP	32	32,5	46	50	12	12	30	14	1	6,5	6,5	10,5	6
VCNF 040	KF-14040AP	40	38	59	63	16	16	35	19	1,5	9	6,5	10,5	6
VCNF 050	KF-14050AP	50	46,5	69	75	16	16	40	19	1,6	9	8,5	13,5	8
VCNF 063	KF-14063AP	63	56,5	84	90	20	20	45	24	1,6	11,5	8,5	13,5	8
VCNF 080	KF-14080AP	80	72	102	110	20	20	45	24	1,6	11,5	10,5	16,5	10
VCNF 100	KF-14100AP	100	89	125	132	25	25	55	29	2	14	10,5	16,5	10
VCNF 125	KF-14125AP	125	110	150	160	25	25	60	30	2	15	13,5	20	12

Material: steel

VSI

INTERMEDIATE HINGE SUPPORT



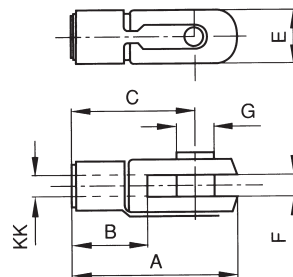
Aignep	Univer	Ø	A	M	R	P	C	S	L	U	T	E
VSI 032	KF-41032	32	46	18	30	15	32	12	10,5	11	6,6	7
VSI 040	KF-41040050	40 - 50	55	21	36	18	36	16	12	15	9	9
VSI 063	KF-41063080	63 - 80	65	23	40	20	42	20	13	18	11	11
VSI 100	KF-41100125	100 - 125	75	28,5	50	25	50	25	16	20	14	13

Material: Steel

Suggested for VCNT - XCN - VCNL - VCNF

FC

YOKE WITH LOCABLE PIN



Aignep ●	Aignep ■	Univer ●	KK	A	B	C	E	F	G
FC 020	* FCI 020	-	M8X1,25	42	16	32	16	8	8
FC 025	* FCI 025	KF-15032	M10x1.25	52	20	40	20	10	10
FC 040	* FCI 040	KF-15040	M12x1.25	62	24	48	24	12	12
FC 050	* FCI 050	KF-15050	M16x1.5	83	32	64	32	16	16
FC 080	* FCI 080	KF-15080	M20x1.5	105	40	80	40	20	20
* FC 125	* FCI 125	KF-15125	M27x2	148	56	110	55	30	30

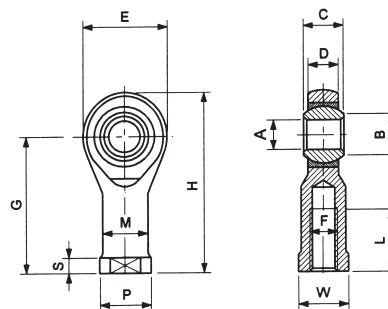
● Material: Steel

■ Material: Stainless steel

* With pin and seeger

TF

ROD ENDS SELF-LUBRICATING



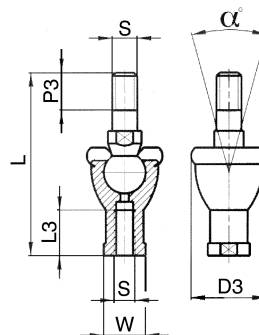
Aignep ● Aignep ■ Univer●			F	A	B	C	Sphere	D	E	G	H	L	M	P	S	W	Radial load	Weight	
																	D	S	
				0 H7	0	0 -0.13		± 0.13	±0.5	±0.5		±0.7	±0.7	±0.5	±0.7	± 0.25	kg	kg	g
TF 020	TFI 020	-	M8x1,25	8	10,4	12	15,88	9	24	36	48	12	12,5	16	5	14	7.80	1.900	36
TF 025	TFI 025	KF-17032	M10x1,25	10	12.9	14	19.05	11.5	30	43	58	15	15	19	6.5	16	1.200	3.100	88
TF 040	TFI 040	KF-17040	M12x1,25	12	15.4	16	22.23	12.5	34	50	67	18	17.5	22	6.5	18	1.400	3.700	120
TF 050	TFI 050	KF-17050	M16x1,5	16	19.3	21	28.58	15.5	42	64	85	24	22	27	8	24	2.500	6.300	240
TF 080	TFI 080	KF-17080	M20x1,5	20	24.4	25	34.93	18.5	50	77	102	30	27.5	34	10	30	3.700	8.300	430
TF 125	TFI 125	KF-17125	M27x2	28	32.3	35	47.59	26	66	103	136	41	37	46	14	41	7.100	14.200	1.120
TF 125/30	TFI 125/30	KF-17125	M27x2	30	34.8	37	-	25	70	110	146	51	40	50	15	41	-	10.800	1.120

● Material: Steel

■ Material: Stainless steel

TS

SNODABLE YOKE



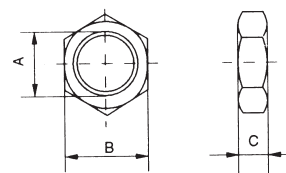
S : Static

Aignep	Univer	S	L	L3	W	P3	D3	α°	Radial load (kN) S
TS 020	KF-22020	M8X1,25	65	16	14	12	20	30°	3,5
TS 025	KF-22025	M10x1.25	74,5	18	17	15	30	30°	5
TS 040	KF-22040	M12x1.25	84	20	19	17	32	30°	6,7
TS 050	KF-22050	M16x1.5	112	27	22	23	40	22°	7,8
TS 080	KF-22080	M20x1.5	133	38	30	25	45	15°	10

Material: Steel

DA

NUT FOR COVERS

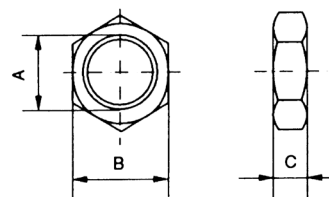


Aignep	Univer	A	B	C
ODA00 00 51 E3 ZI	MF-20012	M16x1.5	22	6
ODA00 00 51 F6 ZI	MF-20020	M22x1.5	27	8

Materiale: Acciaio

DA

NUT FOR RODS

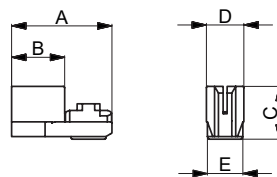
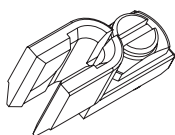


Aignep	Univer	A	B	C
ODA00 00 51 C9 ZI	KF-16032I	M10x1.25	17	8
ODA00 00 51 D5 ZI	KF-16040I	M12x1.25	19	7
ODA00 00 51 E3 ZI	KF-16050I	M16x1.5	22	6
ODA00 00 51 F2 ZI	KF-16080I	M20x1.5	30	9
ODA00 00 51 F6 ZI	KF-16100I	M22x1.5	27	8

Material: Steel

DF

SENSOR WIRE GUIDE CABLE CLAMP

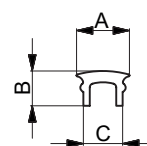
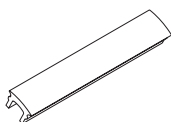


Univer	A	B	C	D	E
DF-001	15	7,8	7,9	5,8	5,5

Material: Polycarbonate body - chrome-plated steel screw

DHF

DF SENSOR WIRE COVER STRIP



Univer	A	D	E
DHF-002010	7	4,6	5,2

Material: Pvc