CARATTERISTICHE TECNICHE

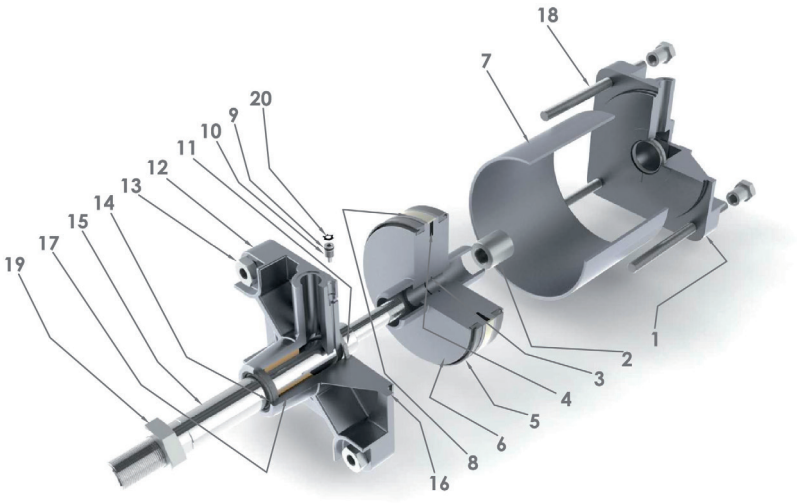
Norma di Riferimento

II 2 GD h T6 -20°C<Tamb<80°C

1907/2006 REACH

2011/65/CE RoHS

SILICON FREE



Pressioni

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

Temperature

0 °C (-20 °C con aria secca)
+ 80 °C

Fluidi compatibili

Aria compressa filtrata lubrificata e non lubrificata

Alesaggi

160 - 200 - 250 - 320 mm

Corse Standard

corse da 25 a 1000 mm

Sensori consigliati

DT

Funzionamento

Doppio effetto ammortizzato magnetico (non magnetico su richiesta), stelo singolo o passante.

Adattatore per sensore

EXF

Materiali e componenti

1. Testata posteriore Alluminio Pressofuso Sabbiato
2. Dado in Acciaio zincato e anodizzato
3. O-ring in NBR o FKM
4. Magnete in Plastoferrite
5. Guarnizione pistone in Poliuretano o FKM
6. Pistone in Alluminio
7. Tubo in Alluminio anodizzato
8. Guida pistone in Resina acetalica
9. O-ring in NBR o FKM
10. Spillo ammortizzatore in Acciaio zincato
11. Guarnizione ammortizzatore in Poliuretano o FKM
12. Testata anteriore in Alluminio Pressofuso Sabbiato
13. Vite di fissaggio in Acciaio zincato
14. Guarnizione stelo in Poliuretano o FKM
15. Stelo in Acciaio cromato
16. O-ring in NBR o FKM
17. Bronzina in Bronzo sinterizzato
18. Tirante in acciao zincato
19. Dado stelo in Acciaio zincato
20. Anello elastico in Acciaio

SERIE E - CILINDRI ISO 6431

Serie	Ø mm	Corsa	Profilo	Varianti
E H	1 6 0	0 0 2 5	T	V S

- **EH** Doppio effetto ammortizzato magnetico
- **EL** Doppio effetto stelo passante ammortizzato magnetico

160
200
250
320

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

A richiesta corse intermedie o superiori. Corsa massima 2700 mm.

T Camicia in alluminio profilo tondo con tiranti

VS Solo Guarnizioni Stelo in FKM
IS Stelo inox
V Tutte le guarnizioni in FKM
R Raschiatore metallico

Ø mm	Corse mm																					
	25	50	75	80	100	125	150	160	200	250	300	320	350	400	450	500	600	700	800	900	1000
160	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
250	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
320	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

FORZE DI SPINTA E TIRO

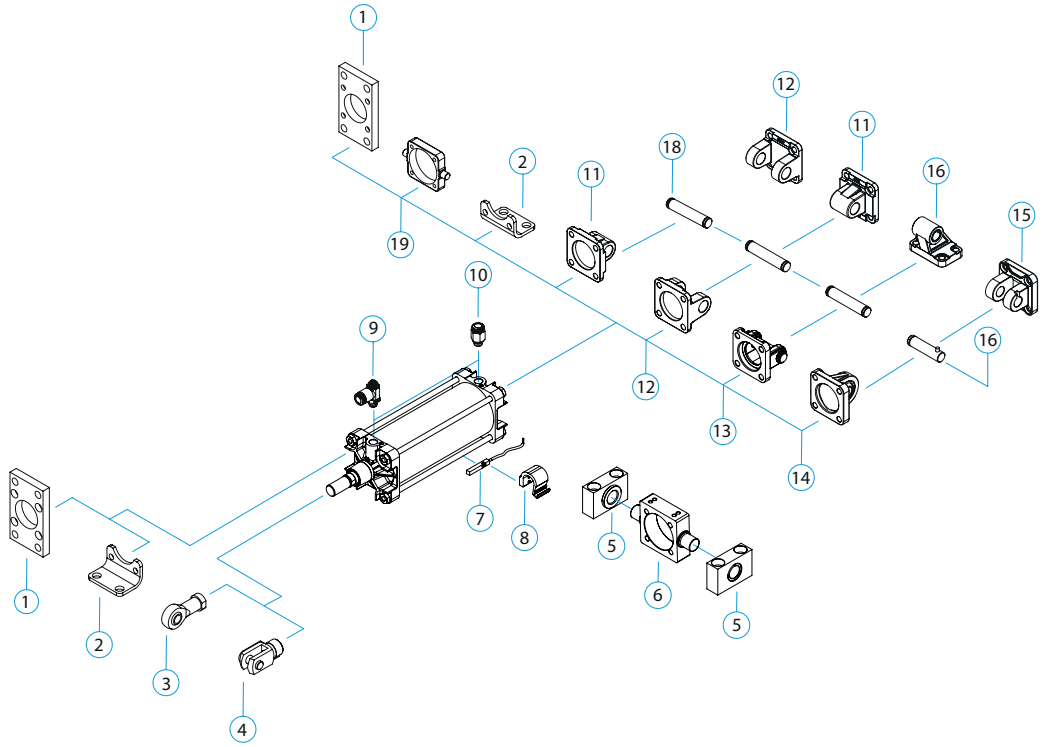
Cilindro Ø	Stelo Ø	Superficie utile mm²			Pressione di lavoro bar									
					1	2	3	4	5	6	7	8	9	10
					Forza sviluppata									
160	40	S	=	20096	1774	3548	5322	7097	8871	10645	12419	14194	15968	17742
		T	=	18840	1663	3326	4990	6653	8316	9980	11643	13307	14970	16633
200	40	S	=	31440	2772	5544	8316	11089	13861	16633	19406	22178	24950	27723
		T	=	30144	2661	5322	7984	10645	13307	15968	18629	21291	23952	26614
250	50	S	=	48750	4331	8663	12995	17326	21658	25990	30322	34653	38985	43317
		T	=	46800	4158	8316	12475	16663	20792	24950	29109	33267	37426	41584
320	63	S	=	78872	7097	14194	21291	28388	35485	42582	49679	56776	63873	70971
		T	=	76776	6822	13644	20466	27288	34110	40932	47754	54576	61398	68220

S Spinta; **T** Trazione

CONSUMI CILINDRO

Cilindro Ø	Stelo Ø	Superficie utile mm²			Pressione di lavoro bar									
					1	2	3	4	5	6	7	8	9	10
					Consumo aria per ogni 10 mm di corsa									
160	40	S	=	20096	0,402	0,603	0,804	1,005	1,206	1,407	1,608	1,809	2,010	2,211
		T	=	18840	0,377	0,565	0,754	0,942	1,130	1,319	1,507	1,1696	1,884	2,072
200	40	S	=	31440	0,628	0,942	1,256	1,570	1,884	2,198	2,512	2,826	3,140	3,454
		T	=	30144	0,603	0,904	1,206	1,507	1,809	2,110	2,412	2,713	3,014	3,316
250	50	S	=	48750	0,981	1,472	1,963	2,453	2,948	3,434	3,925	4,415	4,906	5,400
		T	=	46800	0,942	1,413	1,884	2,355	2,826	3,297	3,768	4,239	4,710	5,181
320	63	S	=	78872	1,610	2,411	3,215	4,020	4,820	5,626	6,430	7,234	8,038	8,843
		T	=	76776	1,545	2,320	3,100	3,863	4,630	5,408	6,181	6,954	7,726	8,450

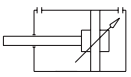
S Spinta; **T** Trazione

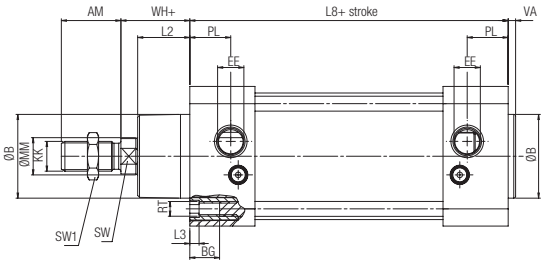


1	FLANGIA - **VFL**
2	PIEDINO BASSO - **VCP**
3	TESTE DI BIELLA AUTOLUBRIFICANTI - **TF**
4	FORCELLA CON CLIPS IN ACCIAIO ZINCATO - **FC**
5	SUPPORTO CERNIERA INTERMEDIA - **VSI**
6	CERNIERA INTERMEDIA PER TIRANTI FILETTATI- **VCNT**
7	SENSORE MAGNETICO DT - REED - DF - **DT**
8	STAFFA PER SENSORI DSL - DSH - DT - **EXF**
9	REGOLATORE DI FLUSSO
10	RACCORDO AUTOMATICO
11	CERNIERA MASCHIO CON BOCCOLE AUTOLUBRIFICANTI - **VCM**
12	CERNIERA FEMMINA CON BOCCOLE AUTOLUBRIFICANTI - **VCF**
13	CERNIERA FEMMINA (ISO MP2) CON PERNO - **VCH**
14	CERNIERA MASCHIO STRETTA CON TESTINA SNODATA DIN648K - **VCS**
15	CERNIERA FEMMINA STRETTA PER ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA DIN648K - **VCD**
16	ARTICOLAZIONE A SQUADRA - **VAS**
17	PERNO ANTIROTAZIONE PER CERNIERA FEMMINA STRETTA VCD - **VPS**
18	PERNO PER CERNIERA CON SEEGER - **VPE**
19	CERNIERA POSTERIORE ANTERIORE - **KF14**

EH T

DOPPIO EFFETTO AMMORTIZZATO MAGNETICO

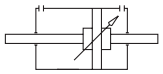


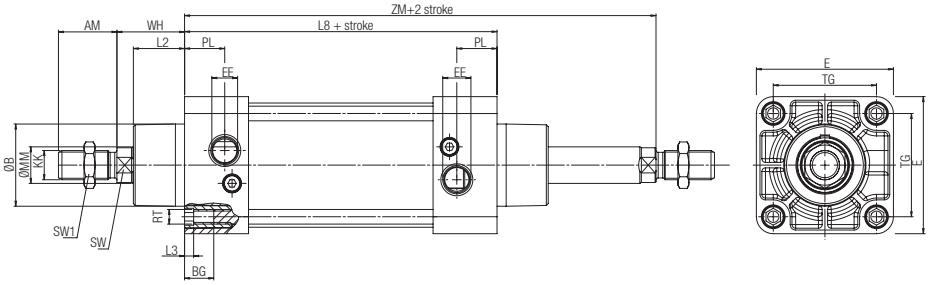


Ø	Ø B	VA	L2	WH	Ø MM	SW	KK	AM	L8	BG	RT	E	TG	EE	PL	L3	ZM	SW1
160	65	6	55	80	40	36	M36X2	72	180	24	M16	180	140	G3/4	29	0	340	55
200	75	6	60	95	40	36	M36X2	72	180	24	M16	220	175	G3/4	29	0	370	55
250	90	10	75	105	50	46	M42X2	84	200	25	M20	275	220	G1″	31	0	410	65
320	110	10	90	120	63	55	M48X2	96	220	30	M24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

EL T

DOPPIO EFFETTO STELO PASSANTE AMMORTIZZATO MAGNETICO

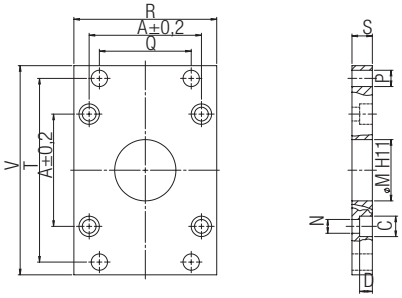




Ø	Ø B	VA	L2	WH	Ø MM	SW	KK	AM	L8	BG	RT	E	TG	EE	PL	L3	ZM	SW1
160	65	6	55	80	40	36	M36X2	72	180	24	M16	180	140	G3/4	29	0	340	55
200	75	6	60	95	40	36	M36X2	72	180	24	M16	220	175	G3/4	29	0	370	55
250	90	10	75	105	50	46	M42X2	84	200	25	M20	275	220	G1″	31	0	410	65
320	110	10	90	120	63	55	M48X2	96	220	30	M24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

VFL

FLANGIA

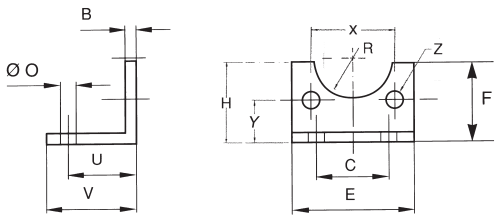


Aignep •	Aignep ■	Univer •	Ø	Ø M	P	S	D	C	N	A	Q	R	T	V
VFL 160	-	KF-12160	160	65	18	20	10.5	26	17	140	115	180	230	260
VFL 200	-	KF-12200	200	75	22	25	12.5	26	17	175	135	220	270	300
VFL 250	-	-	250	90	26	25	14.5	33	22	220	165	285	330	400
VFL 320	-	-	320	110	33	30	15	39	26	270	200	350	400	470

- Materiale: Acciaio
- ■ Materiale: Inox
  VITE: DIN6912

VCP

PIEDINO BASSO

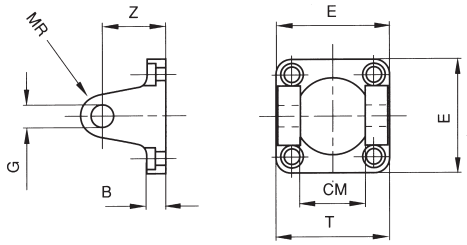


Aignep •	Aignep ■	Univer •	Ø	B	C	E	F	O	U	V	R	Z	X	Y	H
VCP 160	-	-	160	9	115	180	115	18.5	60	75	32.5	18	140	45	115
VCP 200	-	-	200	12	135	220	135	24	70	100	37.5	18	175	47.5	135
VCP 250	-	-	250	14	165	270	165	26	75	100	45	22	220	55	165

- • Materiale:: Acciaio
- ■ Materiale: Inox

VCF

CERNIERA FEMMINA

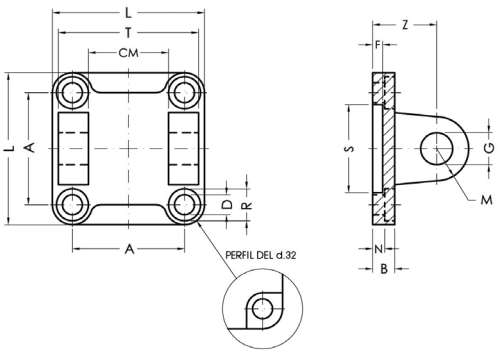


Aignep •	Aignep ■	Ø	B	E	G	T	Z	CM	MR
VCF 160	VCFI 160	160	20	180	30	170	55	90	25
VCF 200	VCFI 200	200	25	220	30	170	60	90	25

• Materiale: Alluminio
Con boccole autolubrificanti
■ Materiale: Inox

VCH

CERNIERA FEMMINA

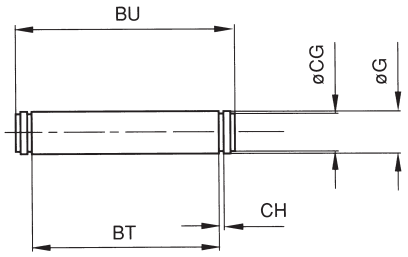


Aignep •	Aignep ◆	Univer •	Ø	A	L	D	R	N	B	S	F	Z	G	M	CM	T
VCH 160	VCHZ 160 NE	KF-10160	160	140	180	18	26	10	20	65	7	55	30	25	90	170
VCH 200	VCHZ 200 NE	KF-10200	200	175	220	18	26	11	25	75	7	60	30	25	90	170
VCH 250	VCHZ 250 NE	-	250	220	270	22	33	11	25	90	-	70	40	40	110	200

• Materiale: Alluminio
◆ Materiale: Acciaio

VPE

PERNO PER CERNIERA CON SEEGER

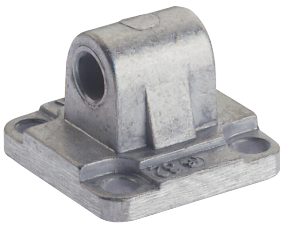


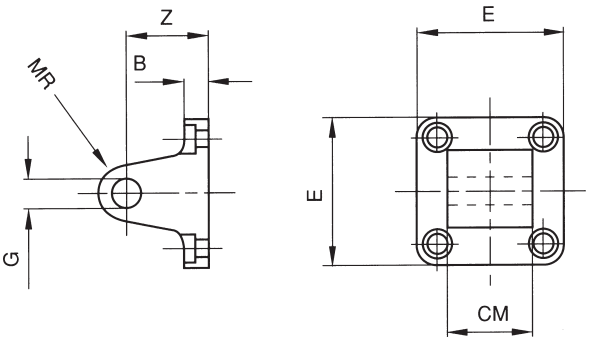
Aignep •	Aignep ■	Univer •	Ø	G	BT	BU	CG	CH
VPE160	VPEI 160	KF-18160	160 - 200	30	171.5	178	28.6	1.6
VPE 250	-	KF-18250	250	40	202	211	37.5	1.85
VPE 320	-	-	320	45	222	236	42.5	1.85

• Materiale: Acciaio
■ Materiale: Inox

VCM

CERNIERA MASCHIO



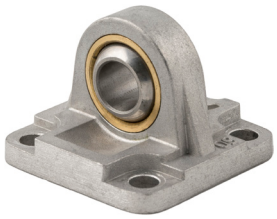


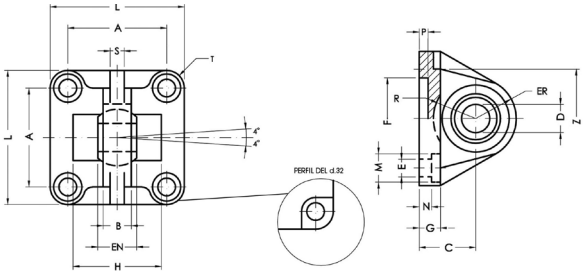
Aignep •	Aignep ■	Aignep ◆	Univer •	Ø	B	E	G	Z	CM	MR
VCM 160	VCMI 160	VCMZ 160 NE	KF-11160	160	20	180	30	55	90	25
VCM 200	VCMI 200	VCMZ 200 NE	KF-11200	200	25	220	30	60	90	25
VCM 250	VCMI 250	-	-	250	25	270	40	70	110	40

• Materiale: Alluminio
Con boccole autolubrificanti
■ Materiale:: Inox
◆ Materiale: Acciaio

VCS

CERNIERA MASCHIO STRETTA CON TESTINA SNODATA DIN648K



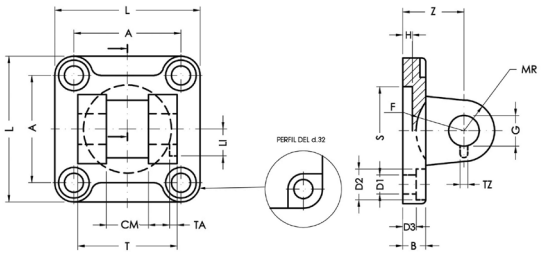


Aignep •	Univer •	Ø	A	B	C	D	EN	ER	F	G	E	L	M	N	P	H	R	S	Z	T
VCS 160	KF-11160S	160	140	28	55	35	43	45	65	20	18	180	26	10	7	-	-	14	130	20
VCS 200	KF-11200S	200	175	28	60	35	43	48	75	25	18	220	26	11	7	-	-	14	155	22.5

• Materiale: Alluminio

VCD

CERNIERA FEMMINA STRETTA PER ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA DIN648K

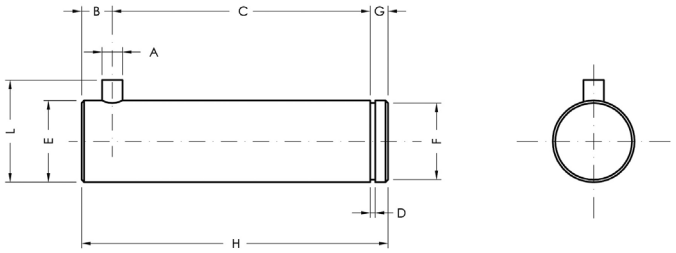


Aignep •	Univer •	Ø	L	T	CM	A	Z	H	B	D3	S	G	MR	D1	D2	TA	TZ	LI	F
VCD 160	KF-10160S	160	180	122	43	140	55	7	20	10	65	35	30	18	26	6	6.3	26.5	46
VCD 200	KF-10200S	200	220	122	43	175	60	7	25	11	75	35	30	18	26	6	6.3	26.5	49

• Materiale: Alluminio

VPS

PERNO ANTIROTAZIONE PER CERNIERA FEMMINA STRETTA VCD

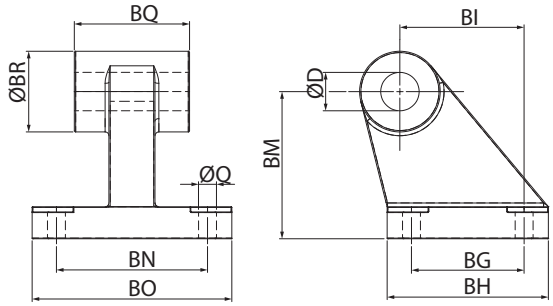


Aignep •	Univer •	Ø	A	C	D	E	F	G	H	L	B
VPS 160	KF-18160S	160 - 200	6	119	1.6	35	33	7	135	41	9

• Materiale: Acciaio

VAS

ARTICOLAZIONE A SQUADRA

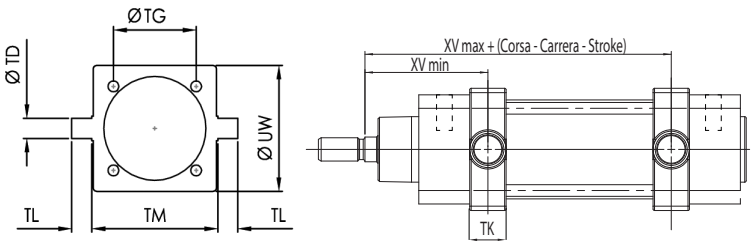


Aignep •	Univer •	Ø	Q	BG	BH	BI	BM	BN	BO	BQ	BR	ØD
VAS 160	KF-19160SCTA	160	14	88	126	97	115	118	156	90	63	30
VAS 200	KF-19200SCTA	200	18	90	130	105	135	122	162	90	63	30

• Materiale: Alluminio

VCNT

CERNIERA INTERMEDIA PER TIRANTI FILETTATI

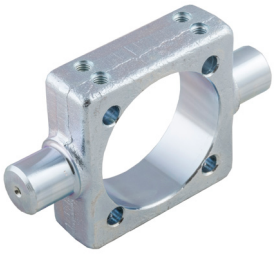


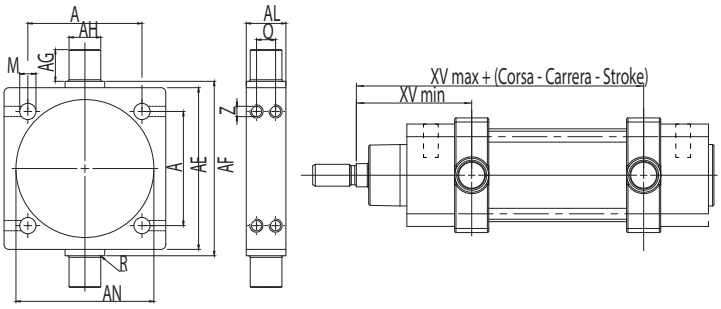
Aignep	Ø	TD	TG	TK	TL	TM	UW	XV min	XV max	RT
VCNT 160	160	32	140	40	32	200	190	149	191	M16
VCNT 200	200	32	175	40	32	250	240	164	206	M16
VCNT 250	250	40	220	50	40	320	296	187	223	M20

Materiale:: Acciaio

VCNL

CERNIERA INTERMEDIA PER TIRANTI LISCI



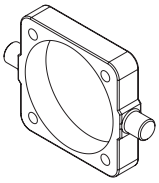


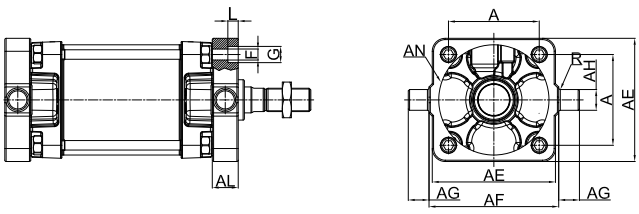
Aignep	Ø	A	AE	AL	AH	AG	AF	AN	R	M	Q	Z	XV min	XV max
VCNL 160	**160**	140	190	40	32	32	200	171	2,5	16,25	18	M12	149	191
VCNL 200	**200**	175	240	40	32	32	250	211	2,5	16,25	18	M12	164	206

Materiale: Acciaio

KF

CERNIERA ANTERIORE / POSTERIORE



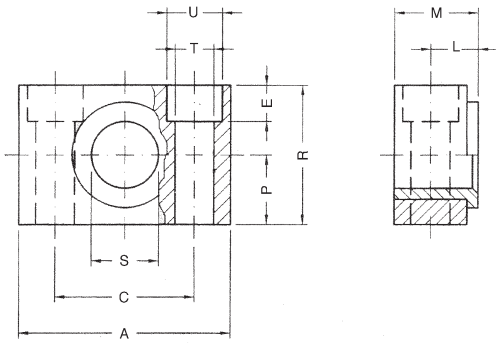


Aignep	Univer	Ø	AE	AL	AH	AG	AF	AN	A	F	G	L	R	MASS
			MAX	MAX	e9	h14	h14	+0,2/0	±0,2	H13	H13	+0,5/0	0/-0,3	g
-	KF-14160AP	**160**	190	40	32	32	200	170	140	17	25	16	2,5	4150
-	KF-14200AP	**200**	240	40	32	32	250	211	175	17	25	16	2,5	7350

Materiale: Acciaio zincato

VSI

SUPPORTO CERNIERA INTERMEDIA

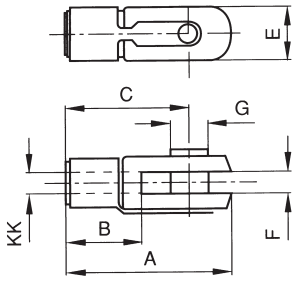


Aignep	Univer	Ø	A	M	R	P	C	S	L	U	T	E
VSI 160	KF-41160200	**160 - 200**	92	40	60	30	60	32	22.5	26	18	17
VSI 250	-	**250**	140	56	70	35	90	40	31	33	22	20

Materiale: Acciaio
Consigliato per VCNT - LCN - VCNL - VCNF

FC

FORCELLA CON CLIPS

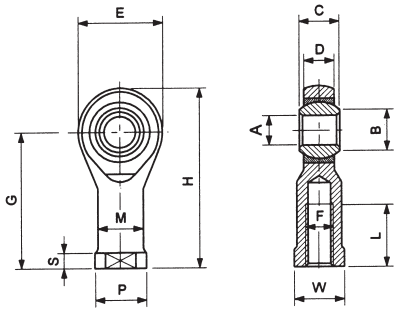


Aignep •	Aignep ■	Univer•	KK	A	B	C	E	F	G
FC 160	* FCI 160	KF-15160	M36x2	188	72	144	70	35	35
FC 250	-	KF-15250	M42x2	232	84	168	85	42	42
FC 320	-	KF-15320	M48x2	265	96	192	96	50	50

• Materiale: Acciaio
■ Materiale: Inox
* Con Perno e Seeger

TF

TESTE DI BIELLA AUTOLUBRIFICANTI

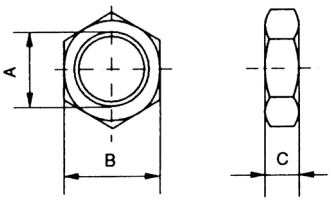


Aignep •	Univer•	F	A	B	C	Sfera	D	E	G	H	L	M	P	S	W	Carico radiale D	Carico radiale S	Peso
			0 H7	0	0 - 0.13		±0.13	±0.5	±0.5		±0.7	±0.7	±0.5	±0.7	±0.25	kg	kg	g
TF 160	KF-17160	M36x2	35	-	43	-	-	-	125	-	56	-	58	-	-	-	-	1.600
TF 250	KF-17250	M42x2	40	-	49	-	-	-	142	-	60	-	65	-	-	-	-	2.800
TF 320	KF-17320	M48x2	50	-	60	-	-	-	162	-	65	-	75	-	-	-	-	5.000

• Materiale: Acciaio

DA

DADO PER ASTE

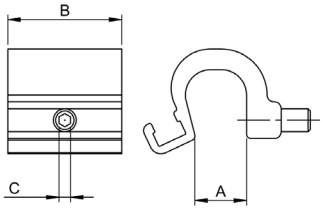


Aignep	Univer	A	B	C
EDA00 00 51 I6 ZI	-	M36x2	55	14
EDA00 00 51 L0 ZI	-	M42x2	65	20
EDA00 00 51 DG ZI	-	M48x2	75	24

Materiale: Acciaio

EXF

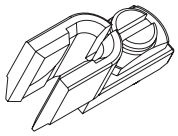
STAFFA PER SENSORI DSL - DSH - DT

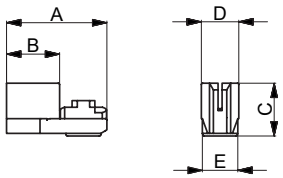


Aignep	Ø	A	B	C
EXF160	160 -200 - 250	20	25	2,5

DF

BLOCCACAVO GUIDA FILO SENSORE DF



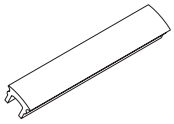


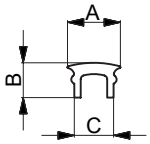
Univer	A	B	C	D	E
DF-001	15	7,8	7,9	5,8	5,5

Materiale: Corpo in policarbonato - vite in acciaio cromato

DHF

BANDELLA COPRIFILO SENSORE DF





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

Materiale: pvc