



TECHNICAL CHARACTERISTICS

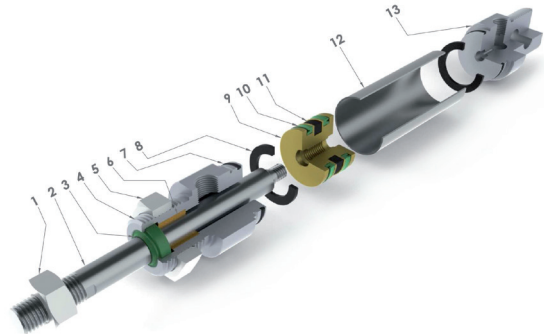


Reference Standard

II 2 GD h T6 -20°C<Tamb<80°C


1907/2006
REACH

2011/65/CE
RoHS

SILICON
FREE


Pressures

2 bar (0.2 MPa) ÷ 10 bar (1 MPa)



Temperature

0 °C (-20 °C in dry air) ÷ + 80 °C



Fluid

Filtered compressed air, lubricated
or non-lubricated


Bores

16 - 20 - 25 mm



Stroke Standard

10 mm ÷ 320 mm



Sensors recommended

DSL with MFX bracket
DF with DH bracket


Functioning

Double acting magnetic (non-
magnetic upon request)


Component Parts and Materials

1. Steel AISI 304 Nut
2. Steel AISI 316 Piston rod
3. Polyurethane Rod seal
4. Steel AISI 304 Front cover
5. Steel AISI 304 Nut
6. Sintered bronze Bearing
7. NBR O-RING Seals
8. Neoprene Bumper
9. Brass Piston
10. Polyurethane Piston seal
11. Plastroferrite Magnet
12. Steel AISI 304 Mini cylinder shape body
13. Steel AISI 304 Back cover



Series

Ø mm

Stroke

Special version

M F I

0 1 6

0 0 2 5

V S

• MFI Double Acting Magnetic

016
020
025

0010
0025
0040
0050
0080
0100

0125
0150
0160
0200
0250
0320

VS Rod Seals in FKM
V Seals in FKM

Ø (mm)	Stroke (mm)										
	10	25	40	50	80	100	125	160	200	250	320
16	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•	•	•	•	•

Intermediate or higher strokes are available on request.

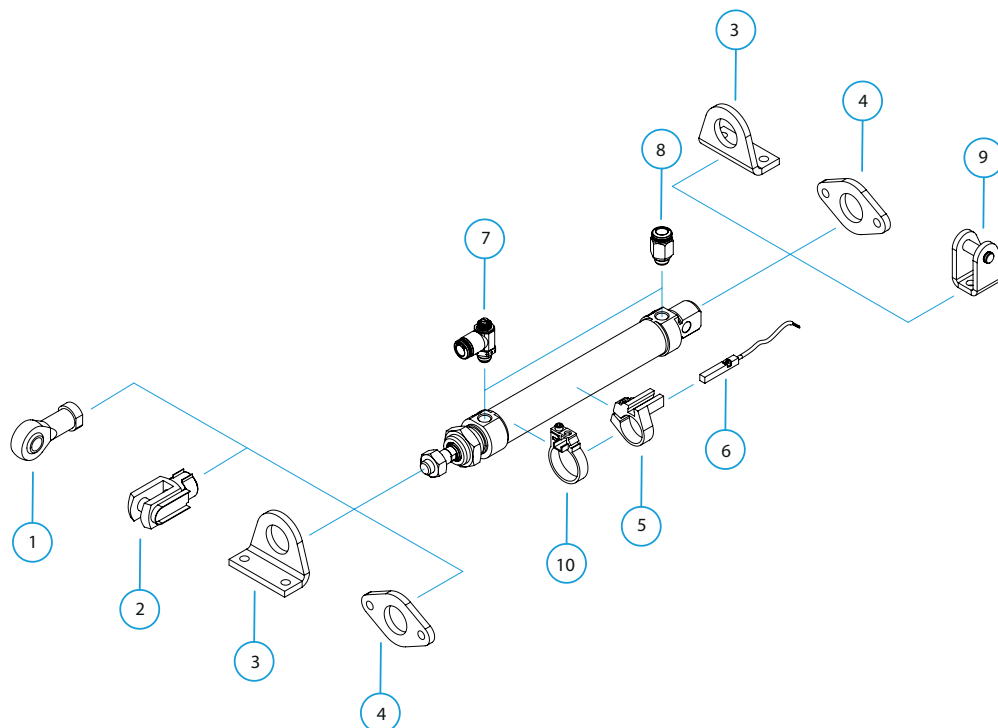
THRUST AND TRACTION FORCES													
Cylinder	Rod	Effective area		Working pressure									
Ø	Ø	mm ²		bar									
				1	2	3	4	5	6	7	8	9	10
Developed force N													
16	6	S	=	200	18	36	54	72	90	108	126	144	162
		T	=	173	16	32	48	64	80	96	112	128	144
20	8	S	=	314	28	56	84	112	140	168	196	224	252
		T	=	264	24	48	72	96	120	144	168	192	216
25	10	S	=	490	44	88	132	176	220	264	308	352	396
		T	=	412	36	72	108	144	180	216	252	288	324

S Thrust; T Traction

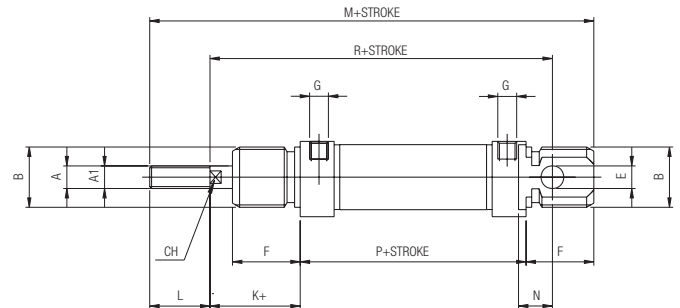
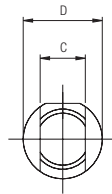
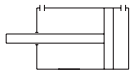
CYLINDER CONSUMPTION													
Cylinder	Rod	Effective area		Working pressure									
Ø	Ø	mm ²		bar									
				1	2	3	4	5	6	7	8	9	10
Air consumption per 10 mm of stroke N													
16	6	S	=	200	0,004	0,006	0,008	0,010	0,012	0,014	0,016	0,018	0,020
		T	=	173	0,003	0,005	0,007	0,009	0,010	0,012	0,014	0,016	0,017
20	8	S	=	314	0,006	0,009	0,013	0,016	0,019	0,022	0,025	0,028	0,031
		T	=	264	0,005	0,008	0,011	0,013	0,016	0,018	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
		T	=	412	0,008	0,012	0,016	0,021	0,025	0,029	0,033	0,037	0,041

S Thrust; T Traction

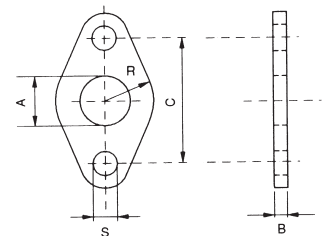
FIXING ELEMENTS AND ACCESSORIES



1	FORK WITH ANGLED JOINT PIN - TFI
2	YOKE WITH LOCABLE PIN - FCI
3	FOOT - MPDI
4	FLANGE - MFLI
5	DH BRACKET FOR DF SENSOR
6	SENSOR DF - DSL
7	FLOW REGULATOR
8	QUICK FITTING
9	HINGE - MCCI
10	BRACKET MFX FOR SENSOR - DSL

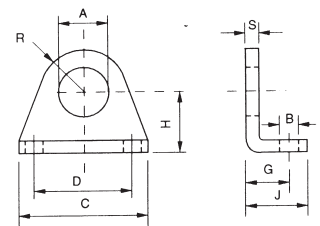
SERIES - MINI CYLINDERS INOX ISO 6432
MFI
DOUBLE ACTING MAGNETIC


Ø	A	A ¹	B	C	D	E	F	G	K	L	M	N	P	R	CH
16	M6	6	M16x1.5	12	19	6	18	M5	22	16	109	9	53	82	5
20	M8	8	M22x1.5	16	27	8	20	1/8G	24	20	131	12	67	95	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8G	28	22	140	12	68	104	9

FIXING ELEMENTS AND ACCESSORIES
MFLI
FLANGE


Aignep	Univer	Ø	A	B	C	R	S
MFLI 016	MF-12012I	16	16	4	40	13	5.5
MFLI 020	MF-12020I	20-25	22	5	50	19	6.6

Material: Stainless Steel

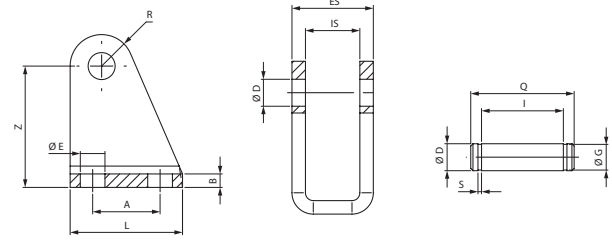
MPDI
FOOT


Aignep	Univer	Ø	A	B	C	D	G	H	J	R	S
MPDI 016	MF-13012I	16	16	5.5	42	32	14	20	20	13.5	4
MPDI 020	MF-13020I	20-25	22	6.6	54	43	17	25	25	18	5

Material: Stainless Steel

MCCI

CLEVIS BRACKET

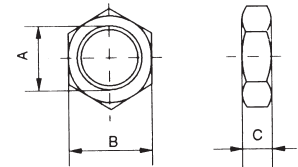


Aignep	Univer	Ø	A	B	R	L	Z	IS	ES	S	I	Q	ØE	ØD	ØG
MCCI 016	MF-21012I	16	15	3	7	25	27	12	18	0.8	19	24	5.5	6	4
MCCI 020	MF-21020I	20-25	20	4	10	32	30	16	24	0.9	25	30	6.5	8	7

Material: Steel

DAI

NUT FOR COVERS

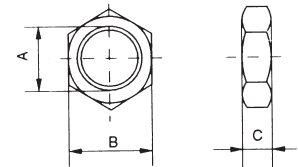


Aignep	Univer	A	B	C
ODA00 00 43 E3 00	MF-20012I	M16x1.5	22	6
ODA00 00 43 F6 00	MF-20020I	M22x1.5	27	8

Material: Stainless Steel

DAI

NUT FOR RODS

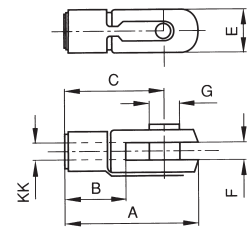


Aignep	Univer	KK	A	B
ODA00 00 43 B8 00	-	M6	10	5
ODA00 00 43 C3 00	-	M8x1.25	13	6.5
ODA00 00 43 C9 00	-	M10x1.25	17	8

Material: Stainless Steel

FCI

YOKE WITH LOCABLE PIN

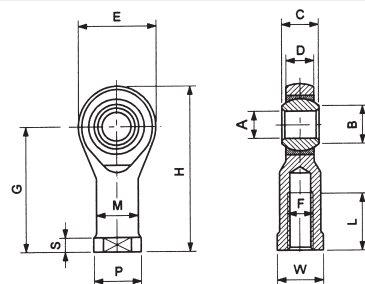


Aignep	Univer	KK	A	B	C	E	F	G
FCI 020	MF-15020PI	M8	42	16	32	16	8	8
FCI 025	KF-15032PI	M10x1.25	52	20	40	20	10	10

Material: Stainless Steel

TFI

ROD ENDS SELF-LUBRICATING



Aignep	Aignep	Univer	F	A	B	C	Ø	D	E	G	H	L	M	P	S	W	Radial load	Weight
•	■	•															D	S
							Sphere											
				H7	0	0 -0.13	±0.13	±0.5	±0.5			±0.7	±0.7	±0.5	+0.2 -0.7	±0.25	kg	kg
																		g
TFI 020	TFI 020	M8x1.25	8	10,4	12	15,88	9	24	36	48	12	12,5	16	5	14	780	1.900	36
TFI 025	TFI 025	M10x1.25	10	12,9	14	19,05	10,5	28	43	57	15	15	19	6,5	17	1.200	3.100	88

• Material: Steel

■ Material: Stainless Steel

D : Dynamic

S : Static