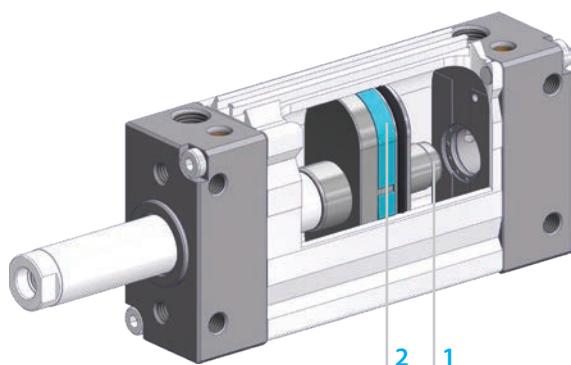




Reference Standard

ATEX
2014/34/UE



Pressures

1,5 bar (0.15 MPa)
10 bar (1 MPa)



Temperature

-20 °C
+ 80 °C



Sensors recommended

DF - DT

1 Adjustable pneumatic cushioning

Standard supplied
No variation in dimensions comparing to an equivalent cylinder without cushionings

2 Oversized piston guide and UNIVER original seal

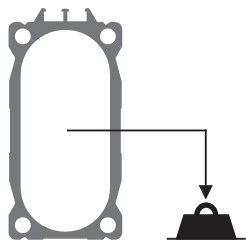
Suitable for heavy loads (F)
Piston rod rotation highly reduced

CHARACTERISTICS

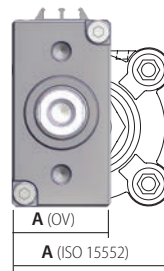
Fluid	filtered air, with or without lubrication
End-caps	anodized aluminium
Barrel	anodized aluminium
Piston	aluminium
Guide slide	technopolymer
Piston rod	Stainless steel (Ø18÷25), Chromium-plated steel (Ø32÷80)
Piston seal	NBR
Guide bush for piston rod	Standard
Seals raschiaPiston rod	polyurethane
Cushionings	adjustable on both sides (standard)
Magnet	Neodymium (standard)



Series	Type	Version	Bore (mm)	Stroke (mm)
O V	2	0 0	0 3 2	0 0 5 0
OV Oval Cylinders Ø 18÷80 mm	2 Chromium-plated steel female piston rod On request 1 Stainless steel female piston rod (Ø18÷80) 3 Stainless steel male piston rod (Ø18÷80) 4 Chromium-plated steel male piston rod (Ø32÷80)	00 = D.E. Version standard 01 = D.E. Through piston rod 02 = D.E. Through the perforated piston rod	018 = Ø018 025 = Ø025 032 = Ø032 040 = Ø040 050 = Ø050 063 = Ø063 080 = Ø080	(Ø18-25) 0010 0025 0040 0050 0080 0100 0125 0160 0200 (Ø32÷80) 0010 0025 0040 0050 0080 0100 0125 0160 0200 0250 0320



Ø	F (Nm)	Grades
18	0,80	0,90
25	1,00	0,80
32	1,40	0,60
40	1,70	0,40
50	2,00	0,35
63	2,30	0,30
80	2,60	0,30



Ø	A (OV)	A (ISO)	Difference
18	16	28	-42%
25	20	31	-35%
32	24,5	48	-45%
40	38	54	-30%
50	40	67	-40%
63	50	78	-35%
80	60	97	-38%

THEORETICAL FORCES (N) DEVELOPED AT OPERATING PRESSURE (BAR)

Ø	Working pressure - bar - thrust					Working pressure - bar - traction					Cushion length
	2	4	6	8	10	2	4	6	8	10	
18	54	108	162	216	270	41	82	122	163	204	8
25	98	196	295	393	491	82	165	247	330	412	10
32	161	322	483	643	804	138	276	415	553	691	10
40	251	502	754	1005	1256	221	422	633	844	1055	14
50	393	785	1178	1570	1963	330	660	990	1320	1650	Ant. 11/Post. 14
63	623	1246	1870	2493	3116	560	1120	1682	2240	2800	Ant. 11/Post. 14
80	1005	2010	3015	4019	5024	942	1884	2826	3770	4711	Ant. 11/Post. 14

FIXING ELEMENTS AND ACCESSORIES - OV

Ø	FEMALE FORK WITH CLIPS		ARTICULATED SELF-LUBRICATING FORK		YOKE WITH LOCABLE PIN		ROD ENDS SELF-LUBRICATING		FLOATING JOINT	
	Aignep	Univer	Aignep	Univer	Aignep	Univer	Aignep	Univer	Aignep	Univer
18	FC 020	MF-15020	TF 020	MF-17020	TS 020	MF-22020	-	MF-23020	-	KF-24020
25	FC 025	KF-15032	TF 025	KF-17032	TS 025	KF-22025	-	KF-23025	-	KF-24032
32	FC 025	KF-15032	TF 025	KF-17032	TS 025	KF-22025	-	KF-23025	-	KF-24032
40	FC 040	KF-15040	TF 040	KF-17040	TS 040	KF-22040	-	KF-23040	-	KF-24040
50	FC 050	KF-15050	TF 050	KF-17050	TS 050	KF-22050	-	KF-23050	-	KF-24050
63	FC 050	KF-15050	TF 050	KF-17050	TS 050	KF-22050	-	KF-23050	-	KF-24050
80	FC 080	KF-15050	TF 050	KF-17050	TS 050	KF-22050	-	KF-23050	-	KF-24050

Ø	FOOT		MALE HINGE		FLANGE		DHF COVERING STRIP		CABLE CLAMPING FOR DF SENSOR	
	Aignep	Univer	Aignep	Univer	Aignep	Univer	Aignep	Univer	Aignep	Univer
18	-	OVF-13018	-	OVF-11018	-	OVF-12018	-	DHF-0020100	-	DF-001
25	-	OVF-13025	-	OVF-11025	-	OVF-12025	-		-	
32	-	OVF-13032	-	OVF-11032	-	OVF-12032	-		-	
40	-	OVF-13040	-	OVF-11040	-	OVF-12040	-		-	
50	-	OVF-13050	-	OVF-11050	-	OVF-12050	-		-	
63	-	OVF-13063	-	OVF-11063	-	OVF-12063	-		-	
80	-	OVF-13080	-	OVF-11080	-	OVF-12080	-		-	