

Actuators

Cartridge Cylinders

Ø 6-16 mm



CA - CAF Series

Pg. 15.3

Mini Cylinders ISO 6432

Ø 8-25 mm



Mini Series

Pg. 15.5

Mini Stainless Steel ISO 6432

Ø 16-25 mm



Mini Stainless Steel Series

Pg. 15.14

Limited Space

Ø 32-63 mm



A95 Series

Pg. 15.17

Compact Cylinders

Ø 12-100 mm



Q Series

Pg. 15.24

ISO 15552 Cylinders

Ø 32-125 mm



L Series

Pg. 15.37

ISO 6431 Cylinders

Ø 160-320 mm



E Series

Pg. 15.44

ISO 15552 Cylinders

Ø 32-125 mm



X Series

Pg. 15.46

Stainless Steel ISO 15552

Ø 32-125 mm



V Series

Pg. 15.51

Twin Rod Cylinders

Ø 32-100 mm



NHA Series

Pg. 15.54

Compact Cylinders

Ø 20-100 mm



W Series

Pg. 15.58

Cylinder Accessories

ISO 6431 - ISO 15552 - ISO 21287



Pg. 15.66

Guided Units

ISO 15552 - Ø 12-25 mm
ISO 6431 VDMA - Ø 32-100 mm



Pg. 15.76

Rodless Cylinders

Ø 16-63 mm



R Series

Pg. 15.85

Rotary Actuators

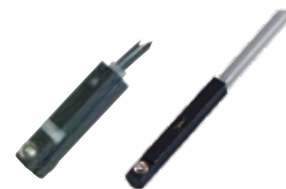
Ø 32-100 mm



XR Series

Pg. 15.96

Magnetic Position Sensing Switches



Sensor

Pg. 15.99

PNEUMATIC ACTUATORS



Actuators

SERIES E - CYLINDER ISO 6431



TECHNICAL CHARACTERISTICS



Functions

Double acting single or double end rod, magnetic or non-magnetic.



Reference Standard

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

SILICON
FREE

ATEX
2014/34/UE



Pressures

1 bar (0.1 MPa) / 14.5 psi
10 bar (0.7 MPa) / 145 psi



Temperatures

0 °C / 32 °F (-20 °C / -4 °F with dry air)
+ 80 °C / 176 °F



Media

Filtered and lubricated or non-lubricated compressed air.

FORCES, SPRING LOADS AND AIR CONSUMPTION

See Pg. 15.34-15.35

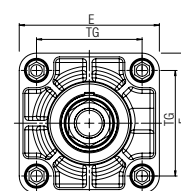
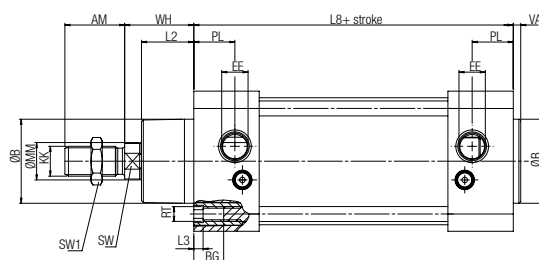
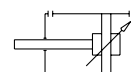
Serie	Ø (mm)	Stroke (mm)		Mounting type	Special version
E H	1 6 0	0 0 2 5		T	V S
▲ EH Double acting - cushioned - magnetic ▲ EL Double Acting - cushioned - magnetic with double rod end	160 200 250 320	0025 0050 0075 0080 0100 0125 0150 0160 0200 0250 0300	0320 0350 0400 0450 0500 0600 0700 0800 0900 1000	T Anodized aluminium tube round profile with tie rods	VS Only Rod Seals in FKM IS Stainless steel rod V All FKM seals R Metal Scraper (160-200-250)
Intermediate or longer strokes are available upon request. Maximum stroke 2700 mm.					

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Maximum stroke 2700 mm.

Ø (mm)	Stroke (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	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

EH T

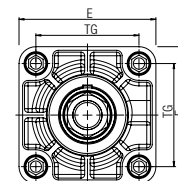
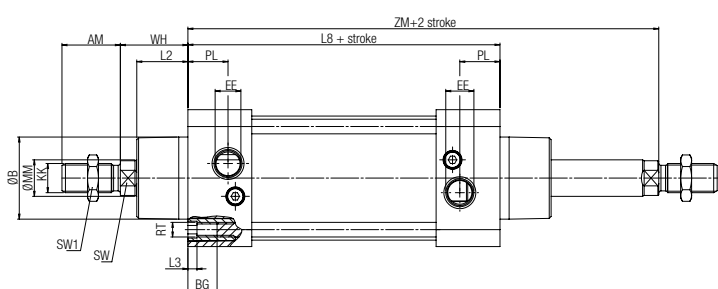
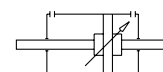
DOUBLE ACTING - CUSHIONED - MAGNETIC



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