Series XL

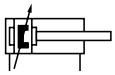
ISO 15552, double acting ISO 15552

Technical details

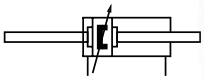
Operating pressure	1 ... 10 bar
Temperature range	-20°C ... +80°C (XL, XLD, XLL) (XLH: -10°C ... +150°C, XLC/ XLCD: -40°C ...+80°C)
Max. stroke	2800 mm
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Alternatively the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Cylinder tube: Al (anodized) End caps: Al-die-cast (painted) Piston rod: steel hard chrome plated (optional 1.4301) Seals: PU, NBR (optional FKM)
	Cylinders in accordance with 2014/34/EU (ATEX) available. (page 14)

Double acting Al-profile cylinder with integrated sensor grooves, adjustable cushions and magnetic piston for proximity sensors.
The sensors can be installed directly into the sensor grooves of the Al-profile.
Standard stroke lengths in table below, additional lengths on request.

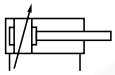
Versions



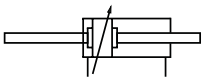
050, 054, 000, 004
double acting, adjustable cushioning, with magnetic piston



450, 454, 400, 404
double acting, double end piston rod, adjustable cushioning, with magnetic piston



152, 102
double acting, adjustable cushioning



552, 502
double acting, double end piston rod, adjustable cushioning

Order code

XL**-***-****-***-****

Series	
XL	standard
XLC	low temperature version
XLCD	low temperature version, with metal scraper
XLD	with metal scraper
XLH	high temperature version
XLL	low friction version
XLZ	with tie rods

Piston Ø	
032	32 mm
040	40 mm
050	50 mm
063	63 mm
080	80 mm
100	100 mm
125	125 mm

Not all combinations are possible and available.

* For longer stroke lengths please check the max buckling load.

Options	
ATEX	cylinders in accordance with 2014/34/EU (ATEX)
E8	piston rod seal E8, two-part, with plastic scraper

Versions	
050 450	standard version
000 400	piston rod stainless steel
054 454	piston rod seal FKM
004 404	piston rod stainless steel , piston rod seal FKM
152 552	high temperature version (without magnetic piston)
102 502	high temperature version, piston rod stainless steel (without magnetic piston)

Stroke (mm)	
XXXX	max. 2800 mm*
Standard	25, 40, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500 mm

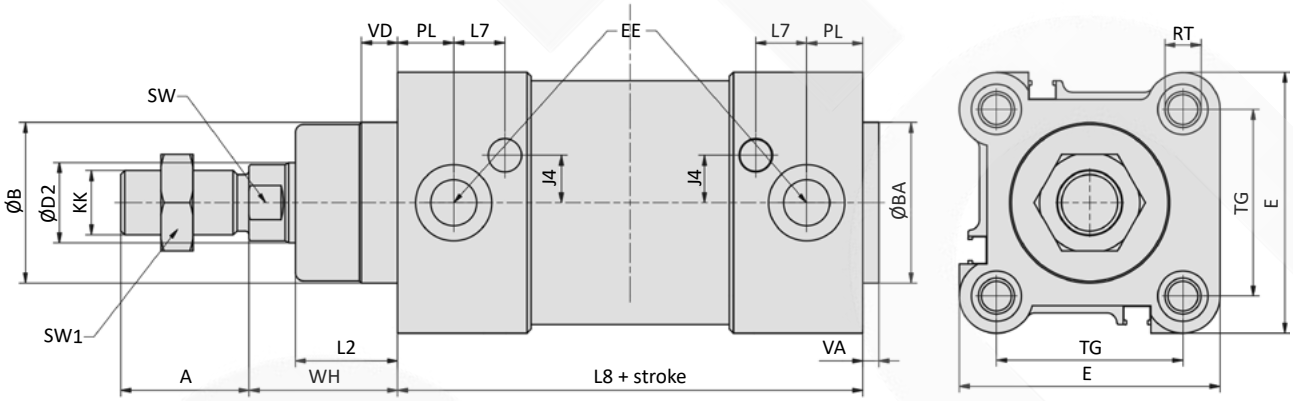
Series XL

ISO 15552, double acting ISO 15552

Technical data

Model-no.:		XL-032-...	XL-040-...	XL-050-...	XL-063-...	XL-080-...	XL-100-...	XL-125-...
Piston Ø (mm)		32	40	50	63	80	100	125
Force at 6 bar (N)	Extension	434	678	1060	1682	2713	4239	6623
	Retraction	373	570	890	1513	2448	3974	6189
Connection		G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G1/2
Piston rod thread		M10 x 1,25	M12 x 1,25	M16 x 1,5	M16 x 1,5	M20 x 1,5	M20 x 1,5	M27 x 2
Cushioning length (mm)		27	29	32	32	32	32	42

Dimensions series XL



Piston Ø	A	Ø B	Ø BA	Ø D2	E	EE	J4	KK	L2
32	22	30	30	12	47	G1/8	6	M10 x 1,25	18
40	24	35	35	16	54	G1/4	9	M12 x 1,25	22
50	32	40	40	20	63	G1/4	8	M16 x 1,5	25,5
63	32	45	45	20	74	G3/8	9,5	M16 x 1,5	25
80	40	45	45	25	93,5	G3/8	14	M20 x 1,5	35
100	40	55	55	25	110	G1/2	15	M20 x 1,5	38
125	54	60	60	32	137,5	G1/2	15	M27 x 2	46

Piston Ø	L7	L8	PL	RT	SW	SW1	TG	VA	VD	WH
32	11,5	94	12,5	M6	10	17	32,5	4	9,5	26
40	13	105	14	M6	13	19	38	4	9,5	30
50	12,75	106	14	M8	17	24	46,5	4	9,5	37
63	14,5	121	16,5	M8	17	24	56,5	4	9,5	37
80	13,75	128	17	M10	22	30	72	4	10	46
100	15,5	138	18	M10	22	30	89	4	10	51
125	20	160	18	M12	27	41	110	6	11	65

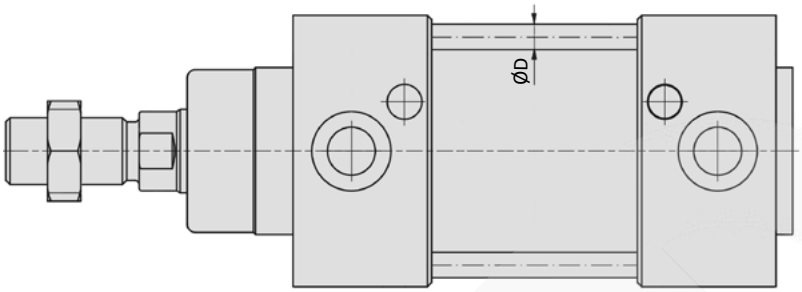
Piston Ø (mm)		32	40	50	63	80	100	125
Weight (kg)	0 mm stroke	0.617	0.925	1.421	1.950	3.250	4.396	6.391
	each 100 mm stroke	0.286	0.403	0.528	0.597	0.861	0.946	1.517

Series XL

ISO 15552, double acting ISO 15552

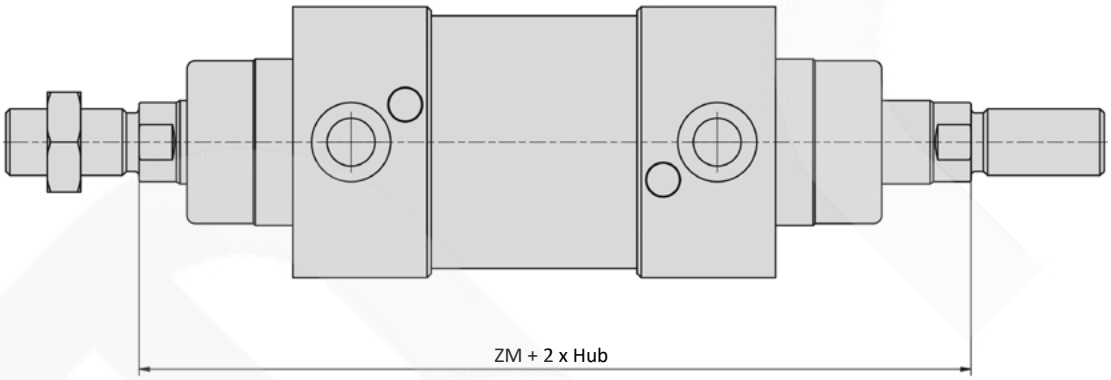
FACTOCOMPONENTS
INDUSTRIAL SUPPLIES AND MANUFACTURING EQUIPMENT

Dimensions series XLZ (addition at tie rods)



Piston Ø (mm)	32	40	50	63	80	100	125
Ø D	6	6	8	8	10	10	12

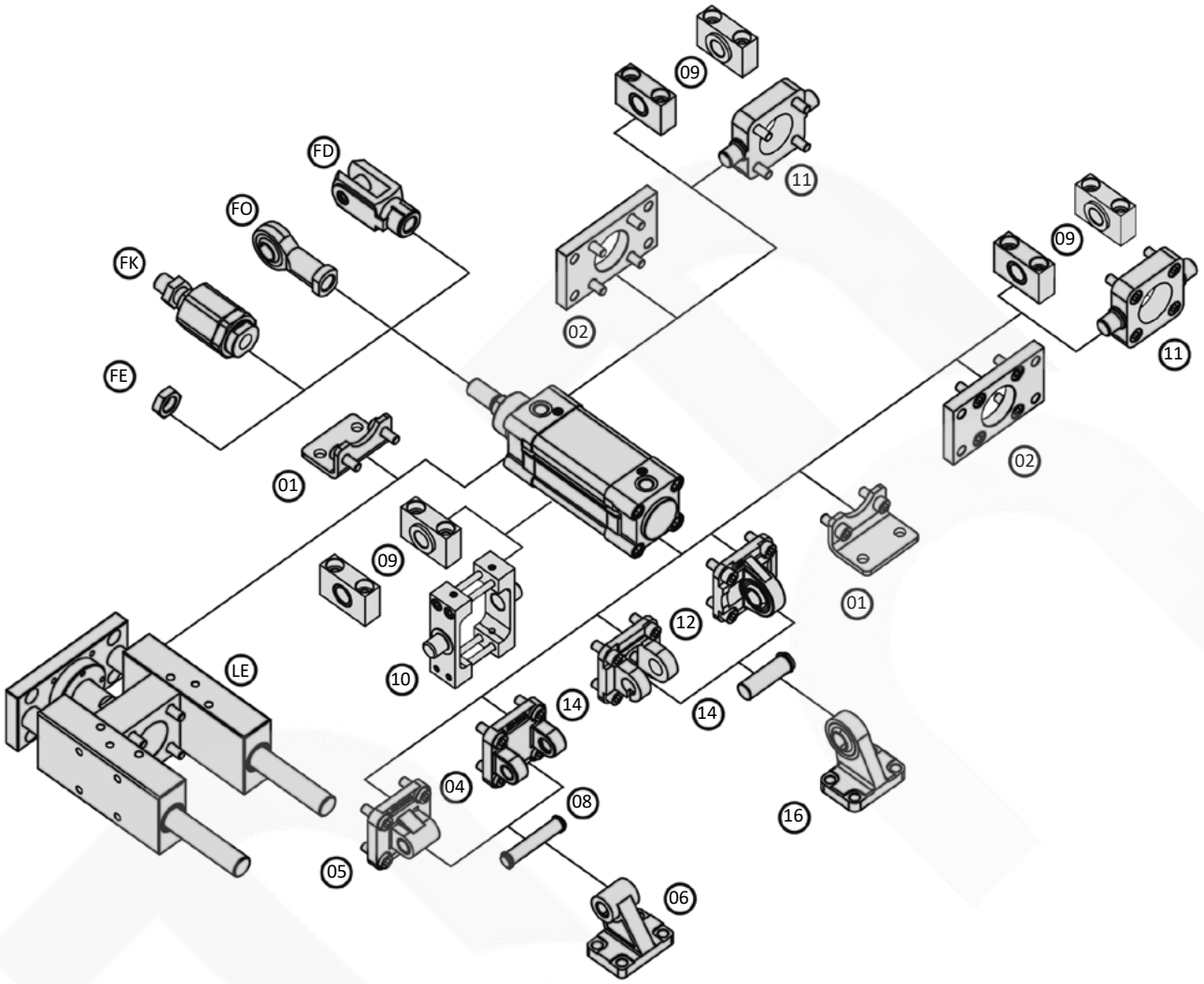
Dimensions series XL (addition at double end piston rod)



Piston Ø (mm)	32	40	50	63	80	100	125
ZM	146	165	180	195	220	240	290

Piston Ø (mm)		32	40	50	63	80	100	125
Weight (kg)	0 mm stroke	0.702	1.065	1.713	2.208	3.780	5.057	9.387
	each 100 mm stroke	0.374	0.559	0.768	0.837	1.243	1.328	2.143

Series XL

Mounting accessories

Mounting accessories XLB-xxx-yy