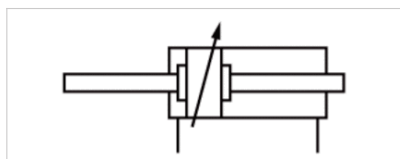


Tie rod cylinder ISO 15552, Series ITS

- Ø 160-320 mm
- Ports G 3/4, G 1
- double-acting
- Cushioning pneumatically, adjustable
- Piston rod External thread
- Piston rod through
- ATEX optional



Standards	ISO 15552
Compressed air connection	Internal thread
Working pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-20 ... 80 °C
Medium temperature min./max.	-20 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø Piston rod thread Ports Piston rod Ø	160 mm M36x2 G 3/4 40 mm	200 mm M36x2 G 3/4 40 mm	250 mm M42x2 G 1 50 mm	320 mm M48x2 G 1 63 mm
Stroke 25	R480627715	R480627727	R480627739	R480627751
50	R480627716	R480627728	R480627740	R480627752
80	R480635557	R480635566	R480627741	R480627753
100	R480627718	R480627730	R480627742	R480627754
125	R480635556	R480627731	R480627743	R480627755
160	R480627720	R480627732	R480627744	R480627756
200	R480627721	R480627733	R480627745	R480627757
250	R480627722	R480627734	R480627746	R480627758
320	R480627723	R480635572	R480627747	R480627759
400	R480627724	R480627736	R480627748	R480627760
500	R480627725	R480627737	R480627749	R480627761

Technical data

Piston Ø	160 mm	200 mm	250 mm	320 mm
Retracting piston force	11875 N	19000 N	29688 N	48704 N
Extracting piston force	11875 N	19000 N	29688 N	48704 N
Cushioning length	50 mm	50 mm	64 mm	55 mm
Cushioning energy	160 J	170 J	180 J	190 J
Weight 0 mm stroke	14,44 kg	17,93 kg	28,46 kg	51,23 kg
Weight +10 mm stroke	0,42 kg	0,42 kg	0,76 kg	1,22 kg
Stroke max.	1000 mm	1000 mm	1000 mm	1000 mm

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

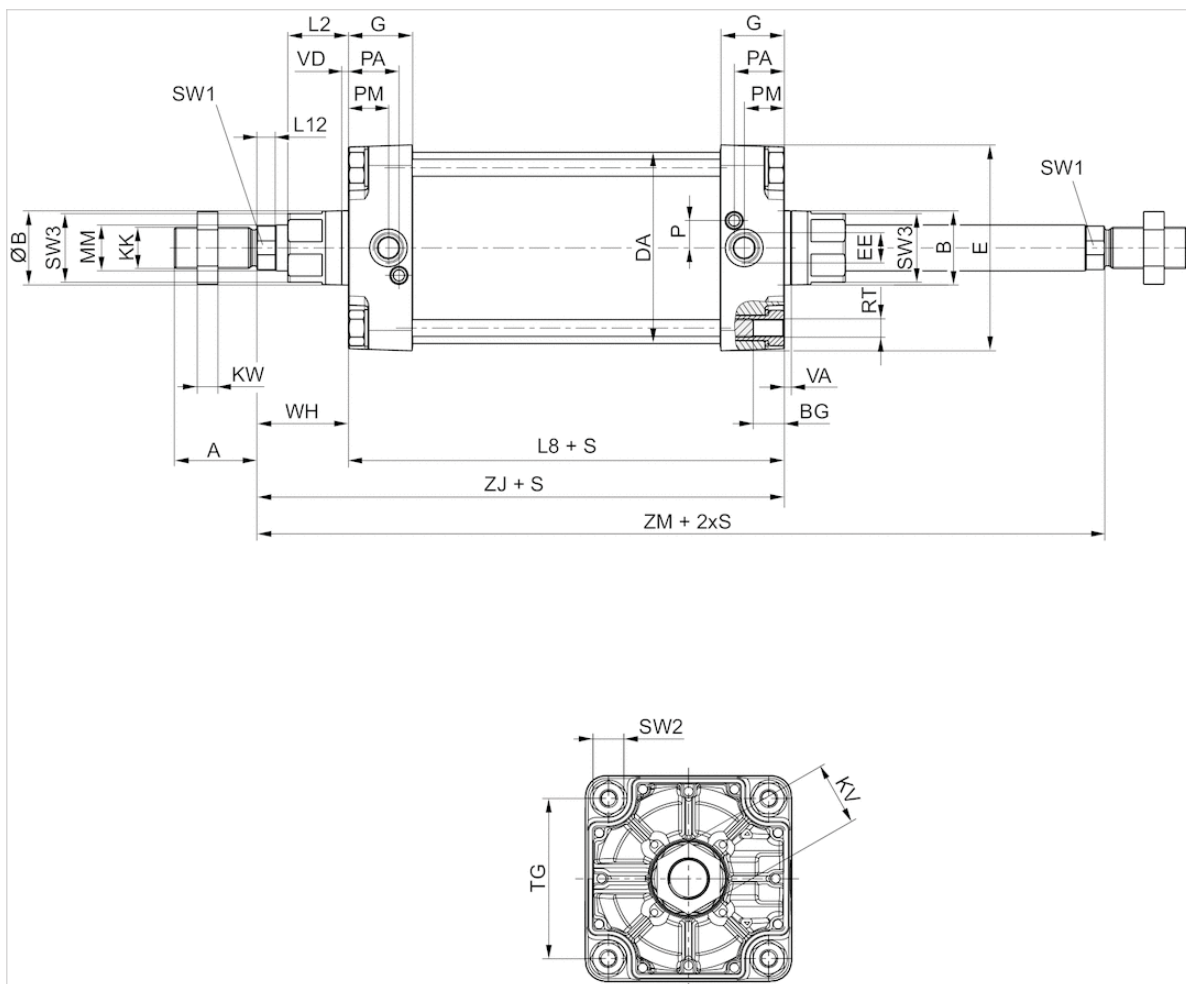
ATEX-certified cylinders with identification II 2G c IIB T4 / II 2D c IP65 T125°C X can be generated in the Internet configurator.

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Aluminum
Seal	Acrylonitrile butadiene rubber
Nut for piston rod	Steel, galvanized
Scraper	Acrylonitrile butadiene rubber
Tie-rods	Stainless steel

Dimensions

Dimensions



S = stroke

Dimensions

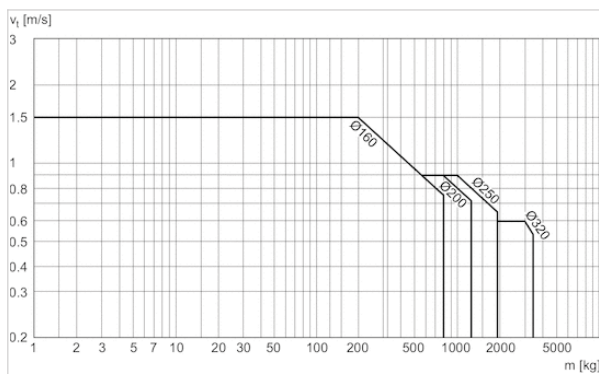
Piston Ø	A	B	ØB	BG	DA	E	EE	G	KK	KV	KW	L2	L8	L12	MM	P	PA	PM	RT	SW1	SW2	SW3	TG
160 mm	72	65	65	24	167	180	G 3/4	56	M36x2	55	18	53	180	16	40	24	45	35	M16	36	27	60	140
200 mm	72	75	75	24	210	220	G 3/4	54	M36x2	55	18	56	180	16	40	22.5	42	30	M16	36	27	60	175
250 mm	84	90	90	25	262	280	G 1	59.5	M42x2	65	21	67	200	20	50	29	46	32.8	M20	46	41	80	220
320 mm	96	110	110	28	336	350	G 1	61.5	M48x2	75	24	76	220	23.25	63	30	48	37	M24	55	50	95	270

Piston Ø	VD	WH	ZJ	ZM
160 mm	6	80	260	340
200 mm	6	95	275	370
250 mm	31	105	305.3	411
320 mm	34	120	340.5	462

PDF creation date: 23.07.2018

Diagrams

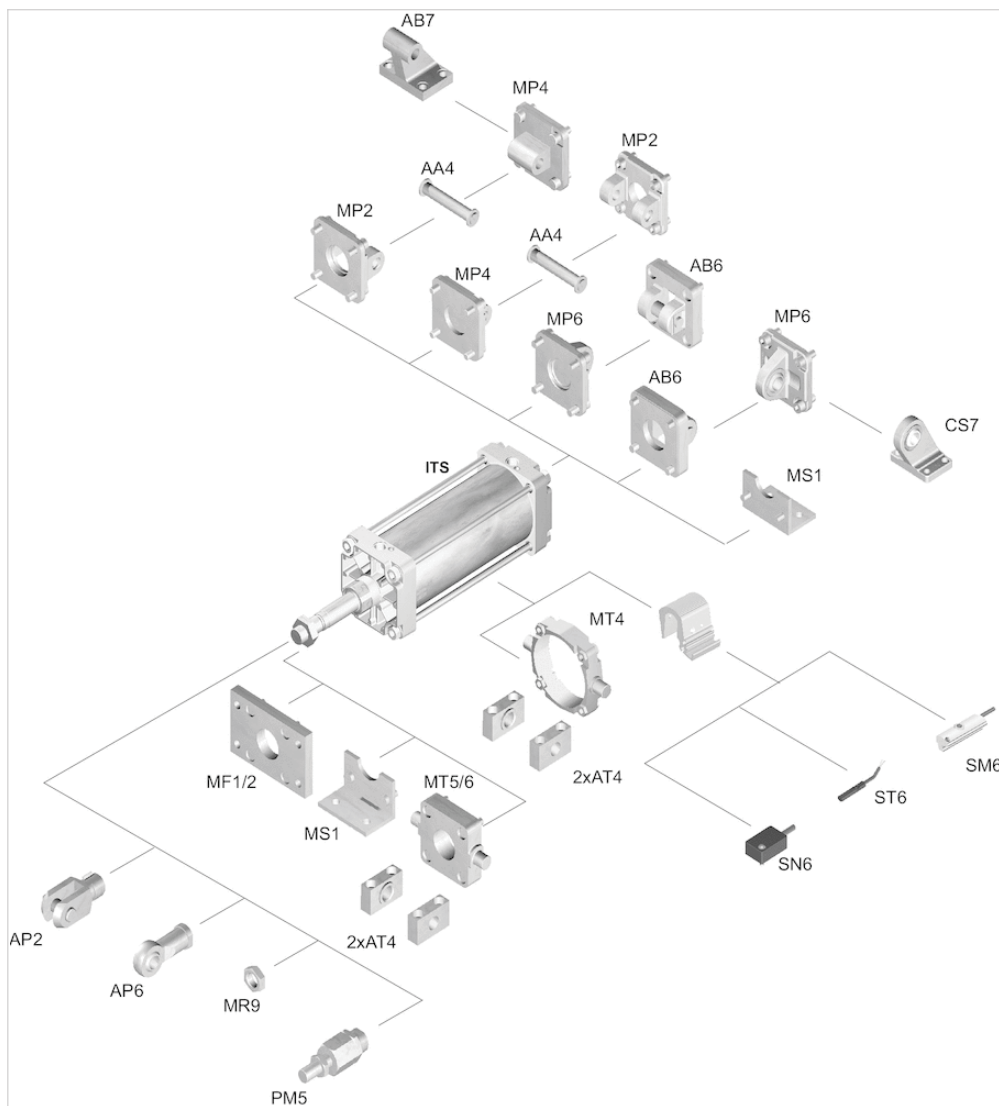
Cushioning diagram



v = Piston velocity [m/s] m = Cushionable mass [kg]

Accessories overview

Overview drawing



NOTE: This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.