

DOUBLE ACTING PNEUMATIC TELESCOPIC CYLINDERS



Telescopic cylinders are drives consisting of several pneumatic cylinders folded together. When extending, this drive can achieve strokes that exceed the total design length of the drive and therefore find their application where long strokes are required and there is no space available for standard cylinders. It is recommended to use these cylinders in a vertical position of the axis. In a different orientation, the lateral load will be exerted by its own weight and there will be increased wear of the guide surfaces and seals. The cylinders must not be exposed to lateral (radial) loads or torsional moments of external forces. The force of the telescope is reduced compared to conventional cylinders and is based on the smallest working area of the cylinder in the assembly, both in the extension and retraction directions. Telescopic cylinders are not intended for dusty and abrasive environments.

Working pressure	0,6 MPa
Min. pressure	0,2 MPa
Max. pressure	0,8 MPa
Temp. range	-20°C to +80°C *
Working medium	modified compressed air

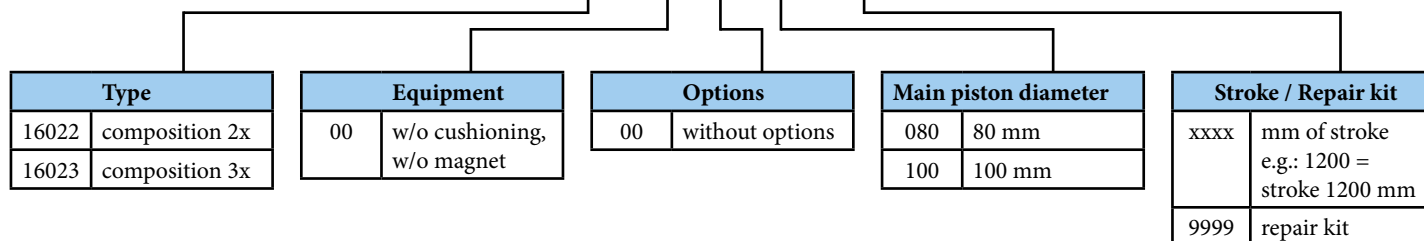
*) values are valid for standard gaskets

Composition	2x	2x	3x
Piston diameters [mm]	80 (+ 63)	100 (+ 80)	100 (+ 80 + 63)
Thrust at 0,6 MPa [N]	1870	3016	1870
Return force at 0,6 MPa [N]	936	1227	836
Connection	G1/4"	G1/4"	G1/4"
Maximum stroke [mm] in vertical position*	1600*	2400*	2400*
Maximum stroke [mm] in horizontal position*	1100*	1600*	1600*
Working speed [mm/s]	50 to 500		
Weight 0 mm stroke [kg]	4,04	6,51	6,37
Weight add. per 1 mm stroke [kg]	0,0052	0,0059	0,0045

*) Stroke of cylinder may be longer after agreement with our technical dept.

Order codes

16023 00 00 100 1200

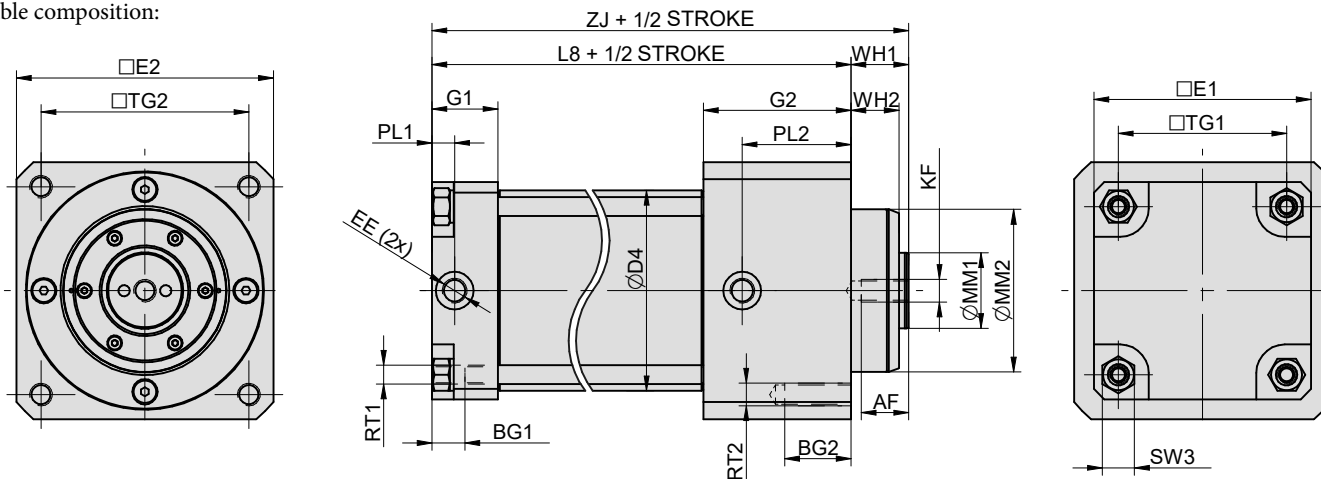


Construction / materials

- caps: anodized dural
- body: drawn dural tube, anodized
- piston rod: grounded round steel bar CK45 with hard chrome plated surface
- tightening nuts: zinc plated steel
- tightening screws: stainless steel
- sealing: NBR

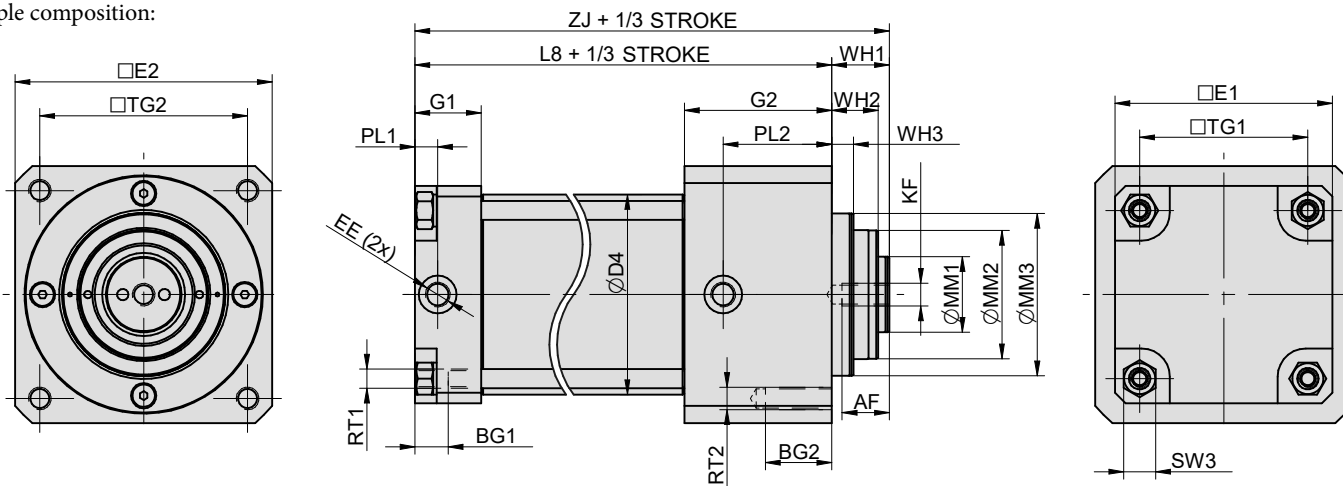
Dimensions

Double composition:



\varnothing	AF	D4	BG1	BG2	E1	E2	EE	G1	G2	KF	L8	MM1	MM2	PL1	PL2	RT1	RT2	SW3	TG1	TG2	WH1	WH2	ZJ
80+63	25	86	17	25	94	115	G1/4"	35	78	M12	132	40	68	12	55,5	M10	M10	17	72	89	16	10	148
100+80	25	106	17	35	115	136	G1/4"	35	78	M12	154,5	40	86	12	57,5	M10	M12	17	89	110	30,5	24,5	185

Triple composition:



\varnothing	AF	D4	BG1	BG2	E1	E2	EE	G1	G2	KF	L8	MM1	MM2	MM3	PL1	PL2	RT1	RT2	SW3	TG1	TG2	WH1	WH2	WH3	ZJ
100+80+63	25	106	17	35	115	136	G1/4"	35	78	M12	154,5	40	68	86	12	57,5	M10	M12	17	89	110	30,5	24,5	11,5	185