

TSOG

Anti-Rotation Level Compensators

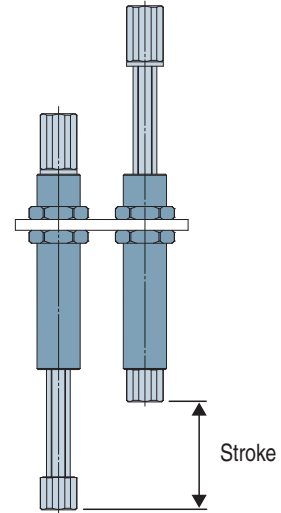


The anti-rotation spring system TSOG serie allows to compensate for differences in height and to handle parts at different levels with ensuring precise positioning of the suction cup.

They are perfect to equip end of arm tooling in plastics processing and packaging.

The TSOG range is designed for applications requiring very precise handling.

- Lightness thanks to the aluminium design
- Protected spring
- Accurate anti-rotation system
- Wide range of stroke and connections



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TSOG

Characteristics - TSOG

References	A	F1	F2	C	B	D	E	G	L	↻ 1	↻ 2	↻ 3	k (N/mm)	Frep (N)	Fcomp (N)	⚖ (g)
TSOG110FM12	M5-F	M5-F	M12x1-M	10	17	25	5.5	5.5	60	10	15	10	0.21	1.9	4.1	17
TSOG125FM12	M5-F	M5-F	M12x1-M	25	17	44	5.5	5.5	94	10	15	10	0.12	2	5	23
TSOG220FM16	G1/8"-F	G1/8"-F	M16x1-M	20	20	38.5	9	7	100	12	19	12	0.27	3.6	9	36
TSOG235FM16	G1/8"-F	G1/8"-F	M16x1-M	35	20	58.5	9	7	131.5	12	19	12	0.15	4.3	9.5	46
TSOG325FM20	G1/4"-F	G1/4"-F	M20x1.5-M	25	23	50	10	10	113	16	24	16	0.27	4.1	11	64
TSOG350FM20	G1/4"-F	G1/4"-F	M20x1.5-M	50	23	82.5	10	10	170.5	16	24	16	0.14	4.3	11.4	90
TSOG440FM25	G3/8"-F	G3/8"-F	M25x1.5-M	40	33	71	11	11	159	22	32	22	0.27	5.6	16.5	164
TSOG480FM25	G3/8"-F	G3/8"-F	M25x1.5-M	80	33	121	11	11	249	22	32	22	0.14	6	17	231

Note: All dimensions are in mm

C = Stroke

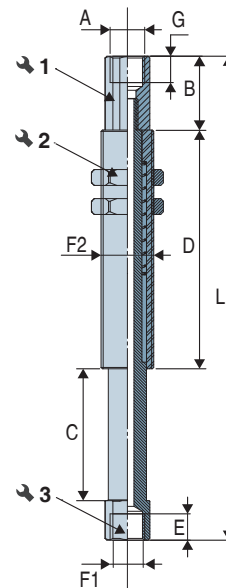
k = Spring stiffness

Frep = Spring force

Fcomp = Force at rest

Materials

- Spring** Stainless steel
- Tubing** Anodized aluminum
- Slider** Anodized aluminum
- Nuts** Anodized aluminum



Please specify the part e.g.: TSOG350FM20
See part n° table above.