

Features

- ◇ Heavy-duty spring for heavy-duty applications.
- ◇ Built-in oil free guide bushing has good wear resistance, which enhances lifetime.
- ◇ Non-rotating function is available.

Applications

- ◇ Handling of workpieces with different heights.
- ◇ For working condition in which shock absorption is required during handling process.
- ◇ For working condition with short cycle times and fast movement.
- ◇ Non-rotating function is available for oval suction cups.



How to order

PSPH - E 25 R G4M - M30

① ② ③ ④ ⑤ ⑥

① Series	② Buffer style	③ Buffer stroke	④ Rotating type	⑤ Suction cup connection	⑥ Mounting thread
PSPH	E - External spring	25 50 75 90	Nil - Default, without non-rotating R - With non-rotating	G2M - G1/4 Male thread G3M - G3/8 Male thread G4M - G1/2 Male thread	M20 - M20×1.5 M30 - M30×1.5

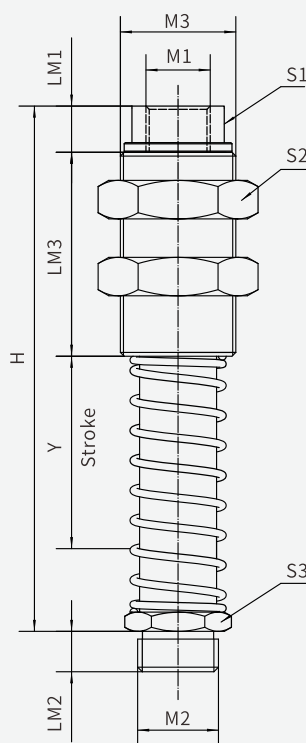
◇ Note: Suction cup connection refers to the thread connecting to the fitting for suction cup. Mounting thread refers to the thread installing to the external bracket.

Technical parameters

Model	Pretightening force(N)	Elastic force (50% stroke)(N)	Vertical load(N)	Horizontal load(N)	Weight (g)	Working temperature(°C)
PSPH-E25(R)G2M-M20	7.5	15.8	2,400	800	148	0 - 80
PSPH-E50(R)G2M-M20	14.4	20	2,400	490	174	0 - 80
PSPH-E75(R)G2M-M20	6	16	2,400	330	198	0 - 80
PSPH-E90(R)G2M-M20	6	15.7	1,500	300	210	0 - 80
PSPH-E25(R)G3M-M30	19.4	73	4,800	1,800	408	0 - 80
PSPH-E50(R)G3M-M30	24.7	78.5	4,800	1,200	483	0 - 80
PSPH-E75(R)G3M-M30	39	79.6	4,800	700	561	0 - 80
PSPH-E90(R)G3M-M30	26.4	74.5	4,800	690	580	0 - 80
PSPH-E25(R)G4M-M30	19.4	73	4,800	1,800	408	0 - 80
PSPH-E50(R)G4M-M30	24.7	78.5	4,800	1,200	483	0 - 80
PSPH-E75(R)G4M-M30	39	79.6	4,800	700	561	0 - 80
PSPH-E90(R)G4M-M30	26.4	74.5	4,800	690	580	0 - 80

- ◇ Note: 1. Pretightening force is spring elastic force when spring is compressed in natural state, and elastic force is spring elastic force when compensator is compressed to 50% stroke.
 2. Elastic force is the spring elastic force when level compensator is compressed to 50% stroke, it is suggested that the real compressed stroke in working should not exceed 50% of the max. compressed stroke of the level compensator.
 3. Vertical load refers to the maximum vertical tension that the compensator can bear in static state.
 4. When the compensator is installed horizontally, the gravity generated by the workpiece perpendicular to the direction of the compensator may cause the spring to be stuck, if it is larger than the horizontal load range.

Dimensions(mm)



Model/size	M1	M2	M3	H	LM1	LM2	LM3	S1	S2	S3	Y
PSPH-E25(R)G2M-M20	G1/8	G1/4	M20×1.5	86	10	8.5	40	16	24	17	25
PSPH-E50(R)G2M-M20	G1/8	G1/4	M20×1.5	115.5	10	8.5	40	16	24	17	50
PSPH-E75(R)G2M-M20	G1/8	G1/4	M20×1.5	145	10	8.5	40	16	24	17	75
PSPH-E90(R)G2M-M20	G1/8	G1/4	M20×1.5	160	10	8.5	40	16	24	17	90
PSPH-E25(R)G3M-M30	G3/8	G3/8	M30×1.5	105.5	12	10.5	53	24	36	24	25
PSPH-E50(R)G3M-M30	G3/8	G3/8	M30×1.5	135.5	12	10.5	53	24	36	24	50
PSPH-E75(R)G3M-M30	G3/8	G3/8	M30×1.5	176.5	12	10.5	53	24	36	24	75
PSPH-E90(R)G3M-M30	G3/8	G3/8	M30×1.5	188.5	12	10.5	53	24	36	24	90
PSPH-E25(R)G4M-M30	G3/8	G1/2	M30×1.5	105.5	12	10.5	53	24	36	24	25
PSPH-E50(R)G4M-M30	G3/8	G1/2	M30×1.5	135.5	12	10.5	53	24	36	24	50
PSPH-E75(R)G4M-M30	G3/8	G1/2	M30×1.5	176.5	12	10.5	53	24	36	24	75
PSPH-E90(R)G4M-M30	G3/8	G1/2	M30×1.5	188.5	12	10.5	53	24	36	24	90