

Soft Absorber

FK Series (M27~M36)



Characteristics

- With a fixed, specially-designed orifice structure, an optimal impact absorption can be achieved, even under variable operating conditions.
- The main unit can also be used as a stopper.
(No external stopper required, except for FK-3625A□)
- We have three available types to accommodate various speeds.
For low-speed: L, for medium-speed: M, for high-speed: H
- Urethane cap specification is also available.
- 2 or more of this product can be used in parallel.
- This product can also be custom-designed for optimal impact absorption.

Specifications

Model	Stroke mm	Max. absorption energy J (kgf·m)	Max. equivalent mass kg (kgf)	Range of impact rate m/s	Max. cycle rate cycle/min	Max. absorption energy per minute J/min (kgf·m/min)	Max. drag N (kgf)	Recovering power of the piston rod N (kgf)	Operating temperature °C	Mass Type g (Type g)	Urethane Cap Specification (Type-R)
FK-2725L-□	25	79 (8.1)	420 (420)	0.3~1	60	539 (55)	6,370 (650)	27.3 (2.78) or lower	-5~70	341 (385)	×
FK-2725M-□			105 (105)	0.3~2							
FK-2725H-□			47 (47)	0.3~3							
FK-3035L-□	35	196 (20)	1,560 (1,560)	0.3~1	30	1,176 (120)	14,700 (1,500)	47.1 (4.8) or lower	-5~70	628 (681)	○
FK-3035M-□			390 (390)	0.3~2							
FK-3035H-□			173 (173)	0.3~3							
FK-3625AL-C	25	150 (15.3)	2,000	0.3~1	30	1,500 (153)	25,000 (2,551)	100 (10.2) or lower	-5~70	— (900)	○
FK-3625AM-C		200 (20.4)	800	0.3~2							
FK-3625AH-C			150	0.3~3							
FK-3650AL-C	50	400	3,400	0.3~1	30	2,352 (240)	25,000 (2,551)	120 (12.2) or lower	-5~70	— (980)	○
FK-3650AM-C			1,400	0.3~2							
FK-3650AH-C			300	0.3~3							
FK-3650L-□	50	392 (40)	3,137 (3,137)	0.3~1	30	2,352 (240)	21,110 (2,154)	68.6 (7.0) or lower	-5~70	1,177 (1,259)	○
FK-3650M-□			784 (784)	0.3~2							
FK-3650H-□			306 (306)	0.3~3							

Note) Insert S in the □ to order without a cap, and insert C in the □ to order with a cap (R if ordering urethane cap). (-S is not available for FK-3625 □.)

Note : An additional urethane cap (OP-090M36B) can be mounted on FK-3625A□-C, FK-3650A□-C

Precautions for Use

- * Do not use this product without carefully reading the attached owner's manual.
- * Do not turn the oil inlet screw located at the bottom of the main unit.
- * Ensure that sufficient mounting strength is secured for this product. (As a guideline, it should be 2 to 3 times the maximum drag listed in the catalogue.)
- * Do not use this product in a vacuum or a location where it may come in contact with oil.
- * Ensure that an eccentric load is not applied to the soft absorber. (Allowable eccentric angle: $\pm 2.5^\circ$)
- * We recommend that you use it with an external stopper (OP-020**).
- * Urethane caps are consumable goods that need to be replaced with new ones if necessary.

Multiple-orifice type

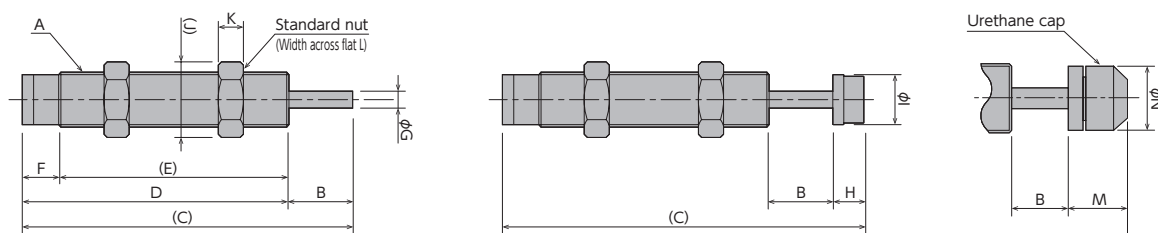
Fixed Type

Adjustable type

Self-adjusting

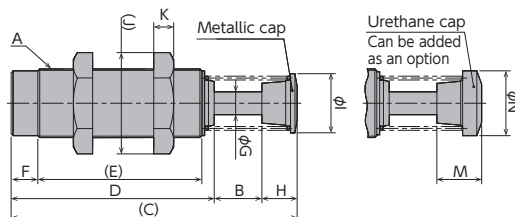
RoHS Compliant

●Products specification might be changed without notice.



FK-3625A□

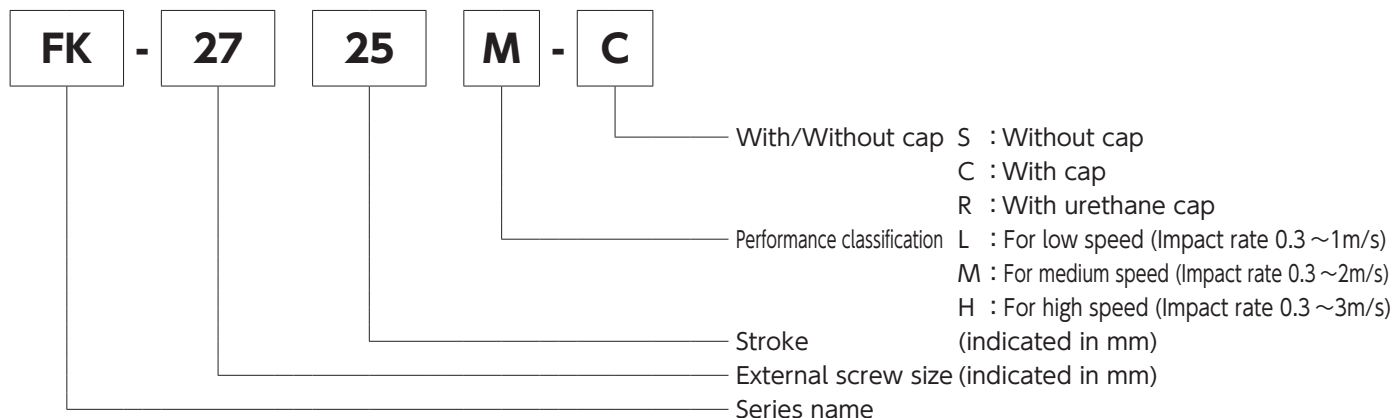
FK-3650A□



Dimensions

Model	A	B	C	D	E	F	φG	H	φI	J	K	L	M	φN
FK-2725□-S	M27×1.5	25	117.5	92.5	77.5	15	8	—	—	37	10	32	—	—
FK-2725□-C			137.5					20	23				—	—
FK-3035□-S	M30×1.5	35	171.5	136.5	116.5	20	10	—	—	41.6	14	36	—	—
FK-3035□-C			190					18.5	27				25	27
FK-3625A□-C	M36×1.5	25	150	106.5	86	14	12	18.5	31	53.1	10	46	23.5	34
FK-3650A□-C	M36×1.5	50	217	148.5	128	14	12	18.5	31	53.1	10	46	23.5	34
FK-3650□-S	M36×1.5	50	218.5	168.5	148.5	20	12	—	—	53.1	15	46	—	—
FK-3650□-C			238					19.5	33				24.3	33

Key to Model Number



Please refer to pages 112-115 for optional parts.