

Soft Absorber

FPD-1030/1050/1060/1070/10100 Series



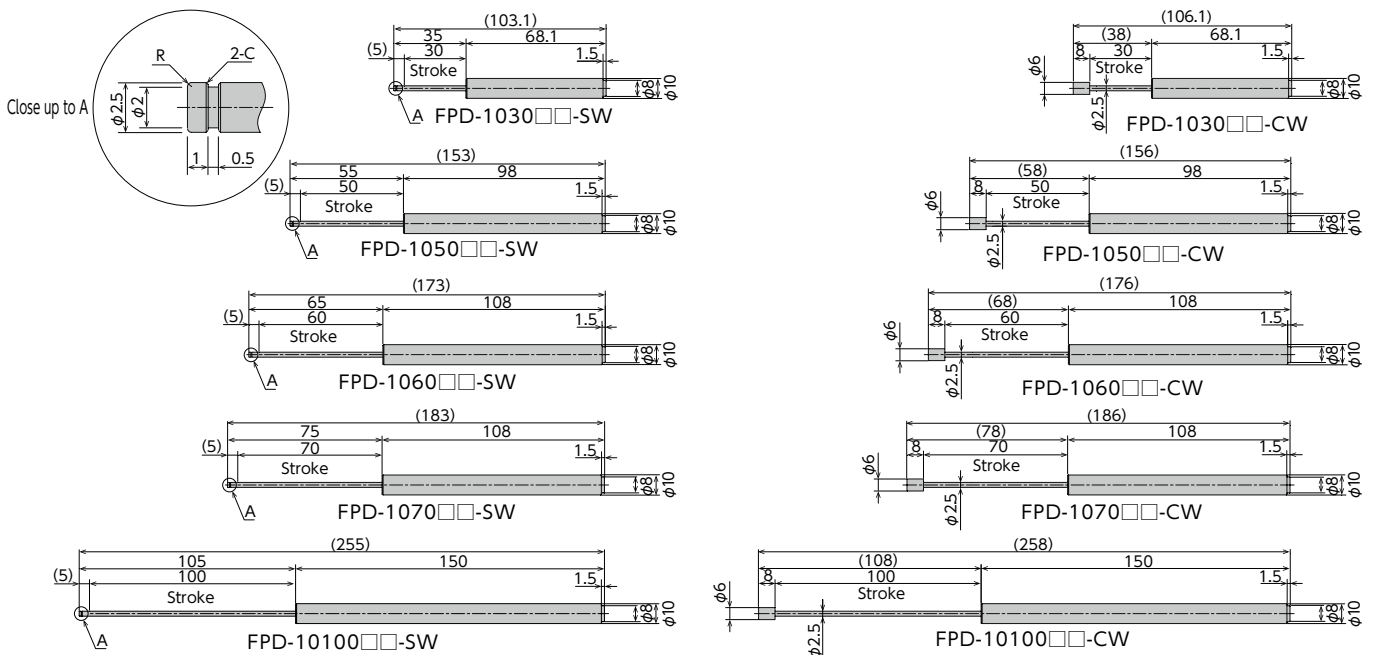
Model Description

F P D - 1 0 3 0 B 1 - S W

① ② ③ ④ ⑤ ⑥

- ① Series name
- ② External diameter
- ③ Stroke
- ④ Self-return presence A : With returning spring
 B : Without returning spring
- ⑤ Symbols indicating characteristics 1 : Low load (low thrust) specifications
 2 : Medium load (medium thrust) specifications
 3 : High load (high thrust) specifications
- ⑥ Symbols indicating shape SW : Without cap
 CW : With cap

External Dimensions



*The FPD-1070B series can be sold only without the spring.

*The FPD-1060A series can be sold only with the spring.

*E-type retaining ring (nominal 2) can be attached to top of 5 type (A in above drawing).

Specifications

Stroke[mm]	FPD-1030=30,FPD-1050=50, FPD-1060=60, FPD-1070=70, FPD-10100=100
External diameter[mm]	φ10
Mass[g]	FPD-1030-SW=8, FPD-1030-CW=8.5, FPD-1050-SW=12, FPD-1050-CW=12.5, FPD-1060-SW=13.5, FPD-1060-CW=14, FPD-1070-SW=13.5, FPD-1070-CW=14, FPD-10100-SW=18.5, FPD-10100-CW=19
Main unit material	Resin
Operating temperature[°C]	5~40

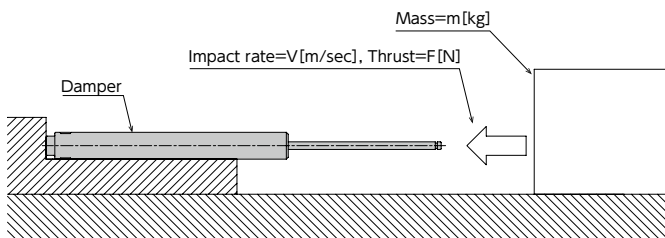
●Products specification might be changed without notice.

Motion performance

Model	Load [kg]	Thrust [N]	Impact rate [m/sec]	Motion time [sec]	Recovering power of the piston rod [N]	※Bottom color
FPD-1030A1-□W	10	6	0.3	0.2~1.5	5 or less	Black
FPD-1030A2-□W	10	8	0.3	0.2~1.5	5 or less	White
FPD-1030A3-□W	10	13	0.3	0.3~1.6	5 or less	Grey
FPD-1030B1-□W	10	5	0.3	0.2~1.2	1.5 or less	Black
FPD-1030B2-□W	10	8	0.3	0.2~1.2	1.5 or less	White
FPD-1030B3-□W	10	13	0.3	0.3~1.3	1.5 or less	Grey
FPD-1050A1-□W	10	8	0.5	0.3~2.0	6 or less	Black
FPD-1050A2-□W	10	10	0.5	0.4~2.2	6 or less	White
FPD-1050A3-□W	10	15	0.5	0.5~2.5	6 or less	Grey
FPD-1050B1-□W	10	5	0.5	0.3~2.0	1.5 or less	Black
FPD-1050B2-□W	15	8	0.5	0.4~2.2	1.5 or less	White
FPD-1050B3-□W	15	13	0.5	0.5~2.5	1.5 or less	Grey
FPD-1060A1-□W	10	8	0.5	0.3~2.0	6 or less	Black
FPD-1060A2-□W	10	10	0.5	0.4~2.2	6 or less	White
FPD-1060A3-□W	10	15	0.5	0.5~2.5	6 or less	Grey
FPD-1070B1-□W	10	5	0.5	0.3~2.0	1.5 or less	Black
FPD-1070B2-□W	15	8	0.5	0.4~2.2	1.5 or less	White
FPD-1070B3-□W	15	13	0.5	0.5~2.5	1.5 or less	Grey
FPD-10100B1-□W	10	5	0.5	0.8~3.0	1.5 or less	Black
FPD-10100B2-□W	15	8	0.5	0.8~3.2	1.5 or less	White
FPD-10100B3-□W	15	15	0.5	1.5~5.5	1.5 or less	Grey

The above performance was measured using Fuji Latex' s instruments. So, please select dampers accordingly, and confirm operation on actual machines before selecting final models.

[Measurement conditions]



* Bottom color



Precautions in Use

- * Do not use this product without carefully reading the attached owner' s manual.
- * Use with an external stopper.
- * Ensure that sufficient mounting strength is secured for this product.
- * 2 or more of this product can be used in parallel.
- * Do not use this product in a vacuum or a location where it may come in contact with oil.
- * Ensure that an eccentric load (lateral load) is not applied to the soft absorber.
- * Do not pull the piston rod of the soft absorber more than stroke.
(This will cause air to get inside the soft absorber, causing ineffective stroke, abnormal sounds, and other damage to the soft absorber.)
- * Do not push the piston rod of the soft absorber more than stroke.
(This will cause recovery failure and other damage to the soft absorber.)

