

Linear Dampers

FPD-1006/1008 Series



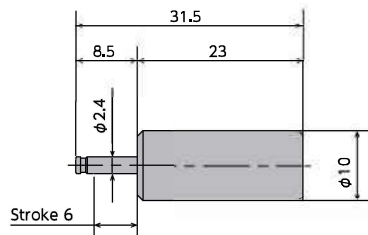
Model Description

F P D - 1 0 0 6 A 8 - S W

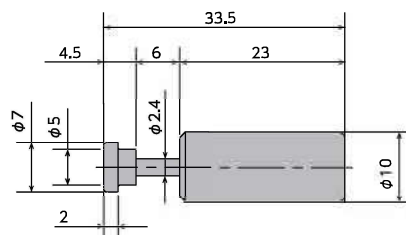
① ② ③ ④⑤ ⑥ ⑦

- ① Series name
- ② External diameter
- ③ Stroke
- ④ With/Without self-returning
A : With returning spring
B : Without returning spring
- ⑤ Characteristics number
3, 5 : High-load specifications
8, 12, 15 : Low-load specifications
- ⑥ Symbols indicating form
S : S type (Standard)
C : C type (Cap)
*Please refer to the external dimensions.
- ⑦ Symbols indicating color W : White

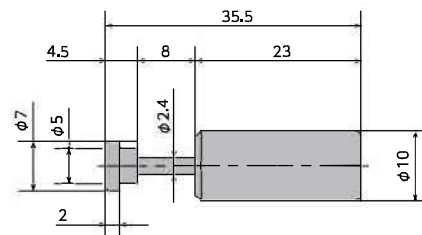
External Dimensions



FPD-1006A□-SW(S type)



FPD-1006A□-CW(C type)



FPD-1008B□-CW(C type)

* FPD-1006 Series are supplied only in types implementing a return spring, and FPD-1008 Series are supplied only in C-Type without a return spring.

Specifications

MODEL	Max absorption energy J (kgf·m)	Impact speed range m/s	Push Speed rang mm/s	Max load thrust N(kgf)	Cylinder cap color
FPD-1006A3	0.3	Under 0.5	-	-	Black
FPD-1006A5	0.4	Under 0.5	-	-	White
FPD-1006A8	-	-	Under 40	120(12)	Blue
FPD-1006A12	-	-	Under 30	160(16)	Brown
FPD-1006A15	-	-	Under 20	200(20)	Gray
FPD-1008B3	0.4	Under 0.5	-	-	Black
FPD-1008B5	0.5	Under 0.5	-	-	White
FPD-1008B8	-	-	Under 40	120(12)	Blue
FPD-1008B12	-	-	Under 30	160(16)	Brown
FPD-1008B15	-	-	Under 20	200(20)	Gray

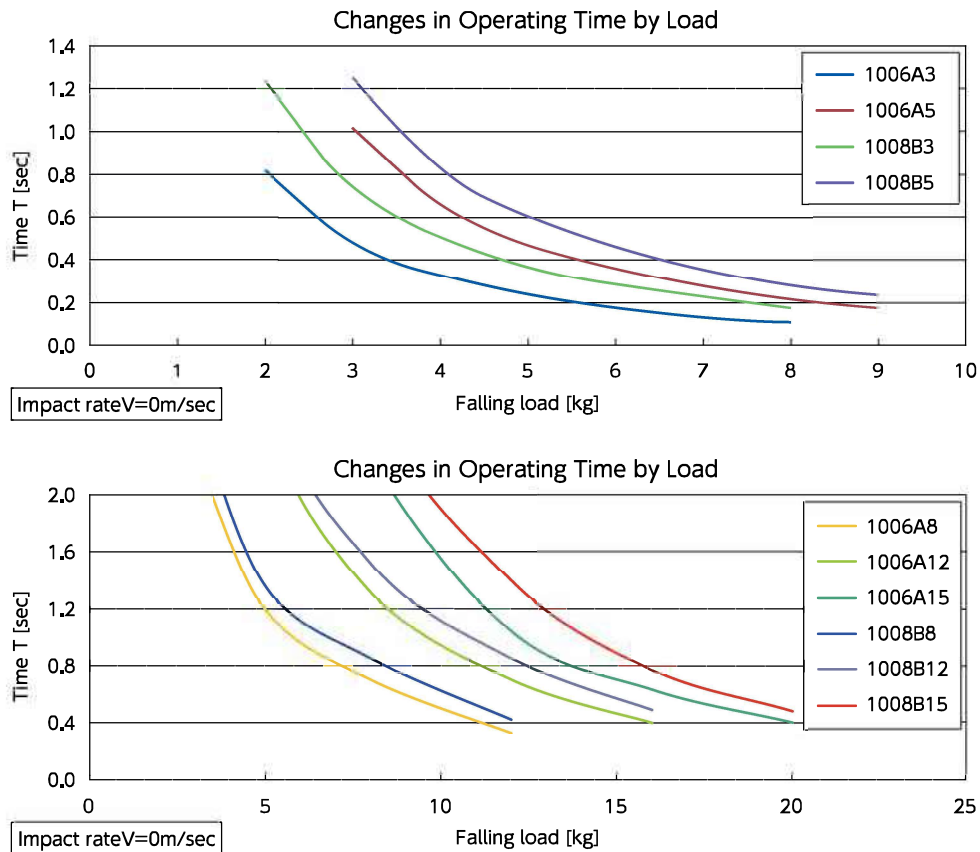
* For the motion-time of each load, please see the next page.

Common Specifications

Stroke	FPD-1006 6mm	Mass	FPD-1006 S type 2.9g
	FPD-1008 8mm		FPD-1006 C type 3.1g
Recovering power of piston rod N(kgf)	FPD-1006 Under 5(0.5)	Main unit material	FPD-1008 C type 3.0g
	FPD-1008 Under 1(0.1)		Resin
		Range of operating temperature, degrees °C	5~40

●Products specification might be changed without notice.

Graph of Operating Time by Load



Precautions for Use

- * 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 is not applied to the linear damper.
Allowable eccentric angle: within ± 2.5
- * Do not pull the linear damper beyond the stroke used.
(This will cause the damage or failure of the linear damper.)
- * Do not press the piston rod of linear damper in beyond the stroke used.
(This will cause the incomplete return of piston rod, and other failures.)
- * When the gap between the pressing time and the returning time of the piston rod is large, the durability may be affected.
Confirm its performance in an actual machine before use.

