

Soft Absorber

FPD-0805 Series



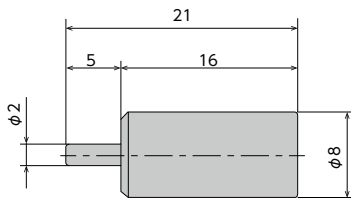
Model Description

F P D - 0 8 0 5 A 5 - S W

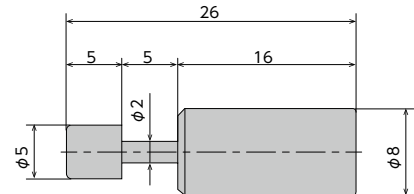
① ② ③ ④ ⑤ ⑥

- ① Series name
- ② External diameter
- ③ Stroke
- ④ Characteristics number
A1: Low-load specifications
A2: High-load specifications
- ⑤ Symbols indicating form
S : S type (Standard)
C : C type (Cap)
* Please refer to the external dimensions.
- ⑥ Symbols indicating color W : White

External Dimensions



FPD-0805A□-SW (S type)



FPD-0805A□-CW (C type)

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-0805A1	0.2	0.5 or lower	-	-	Black
FPD-0805A2	0.3	0.5 or lower	-	-	White
FPD-0805A5	-	-	50 or lower	80(8)	Blue
FPD-0805A7	-	-	20 or lower	100(10)	Brown

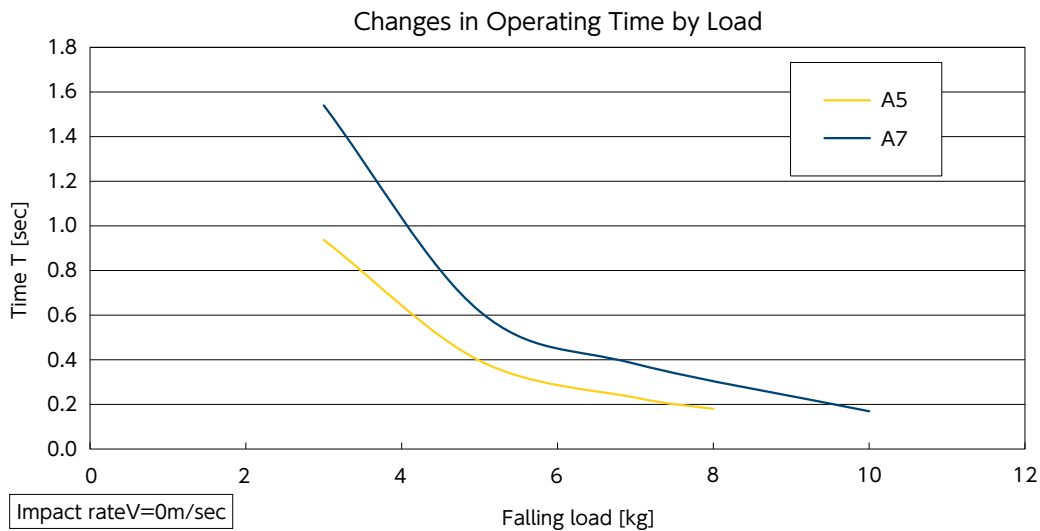
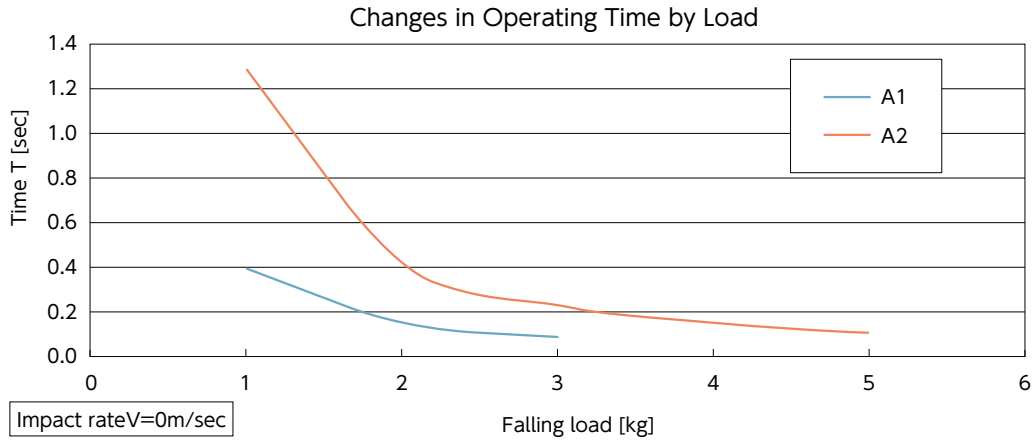
* For the motion-time of each load, please see the next page.

Common Specifications

Stroke (S/C type)	mm	5	Main Unit Material	Resin
Recovering power of piston rod	N(kgf)	6 (0.6) or lower	Range of operating temperature, degrees °C	5~40
Mass	g	S type =1.3, C type =1.5		

●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 soft absorber.
 Allowable eccentric angle: within $\pm 2.5^\circ$
- * Do not pull the soft absorber beyond the stroke used.
 (This will cause the damage or failure of the soft absorber.)
- * Do not press the piston rod of soft absorber in beyond the stroke used.
 (This will cause the incomplete return of the 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.

