# Linear Dampers

## FPD-0805 Series

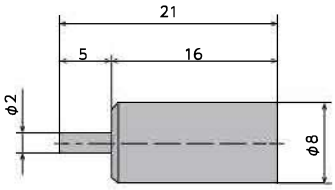
Model Description

FPD – 0805 A5 – S W

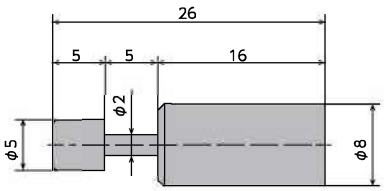
① ② ③ ④ ⑤ ⑥

① Series name
② External diameter
③ Stroke
④ Characteristics number
A1: Low-load specications
A2: High-load specications
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)

## Specications

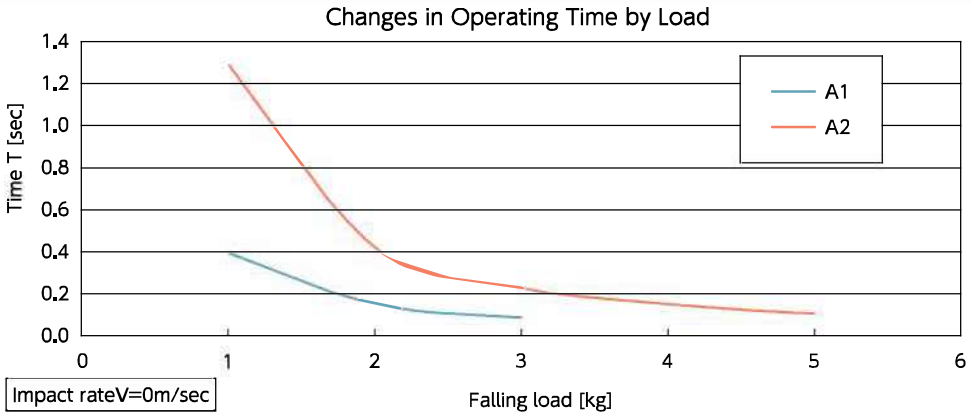
| MODEL | Max absorption energy J(kgf·m) | Impact speed range m/s | Push Speed rang mm/s | Max load thrust N(kgf) | Cylinder cap color |
|---|---|---|---|---|---|
| FPD-0805A1 | 0.2 | 0.5 or lower | - | - | Black |
| FPD-0805A2 | 0.3 | 0.5 or lower | - | - | White |
| FPD-0805A5 | - | - | 50 or lower | 80(8) | Blue |
| FPD-0805A7 | - | - | 20 or lower | 100(10) | Brown |

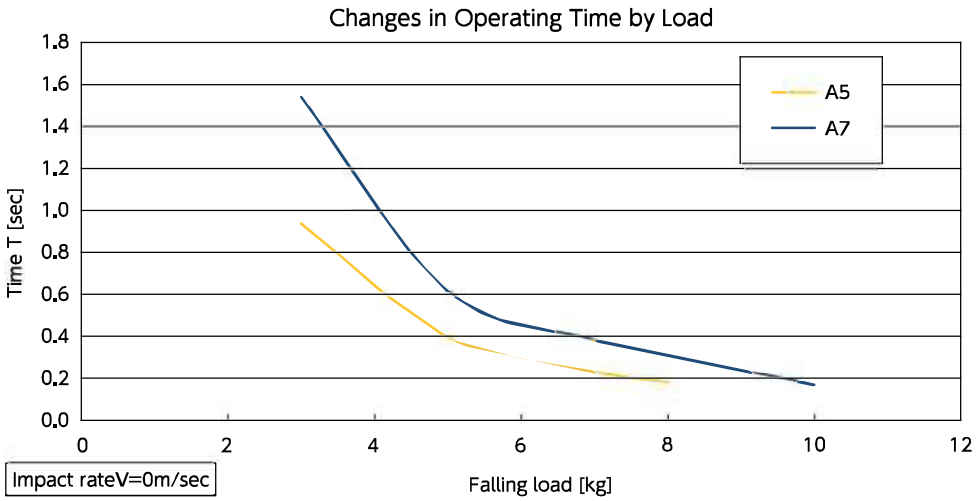
* For the motion-time of each load, please see the next page.

## Common Specications

| | | | | |
|---|---|---|---|---|
| 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 ℃ | 5~40 |
| Mass | g | S type =1.3、C type =1.5 | | |

## 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 ±2.5°
* Do not pull the soft absorber 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 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.