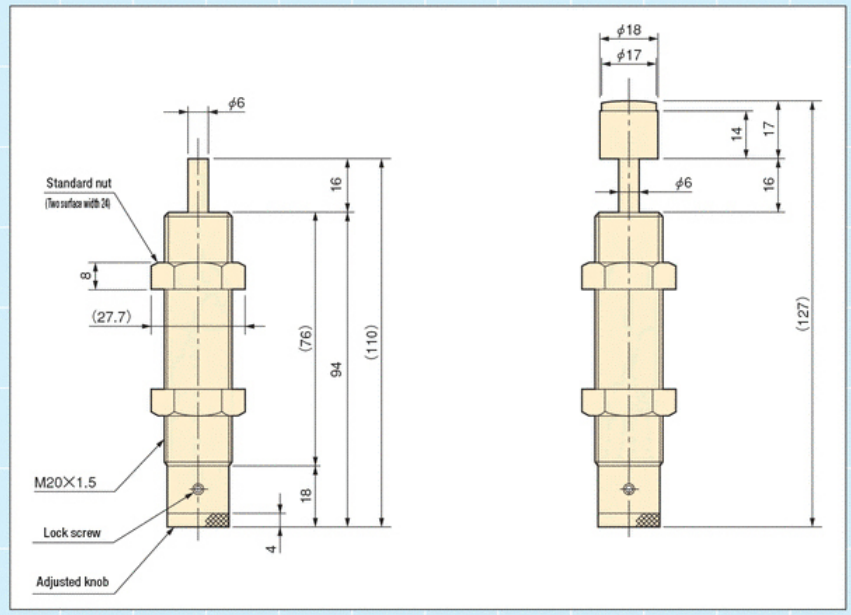
Soft Silent Safety

FA-2016EB / FA-2016ED / FWM-2016EBD series

RoHS conformity products

(For low speed) (For high-speed) (For medium-speed) adjustable type



<Specifications>

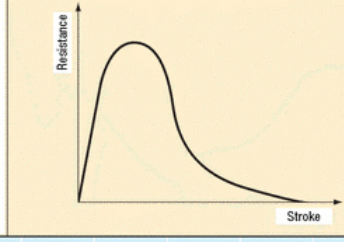
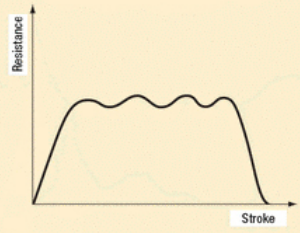
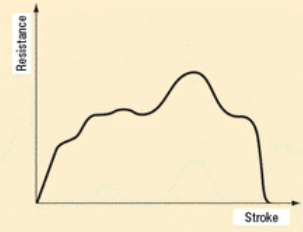
Model	Stroke mm	Maximum absorption energy, J (kgf·m)	Maximum equivalent mass kg (kgf)	Collision speed range m/s	Orifice type
FA-2016EB-S/C	16	29.4 (3.0)	300 (300)	0.3～1	Single aperture type
FA-2016ED-S/C			120 (120)	0.7～3	Multi-aperture type
FWM-2016EBD-S/C			200 (200)	0.3～2	Multi-apertures irregular type

Note) In regards to the end of the model code, arrange by tagging it with -S when it is without the cap attached, and -C when it is with the cap attached.

< Common Specifications>

Maximum Resistance force value	N (kgf)	3528 (360)	Usage temperature range	℃	−5～70
Maximum use cycle	cycle/min	60	Mass: S type	g	180
Maximum absorption energy amount per minute	J/min (kgf·m/min)	343 (35)	: C type	g	202
Piston rod return force	N (kgf)	Less than 18.1 (1.84)			

<Selection of thumb> FA-2016 series is the absorption characteristic according to the orifice method that has been divided into 3 patterns as shown below. Select from the following selections.

Orifice type	Single aperture type	Multi-aperture type	Multi-apertures irregular type
Model code	FA-2016EB series	FA-2016ED series	FWM-2016EBD series
Adaptation	For the low-speed	For high-speed	For medium speed, use with a particular pneumatic cylinder
Absorption characteristic			

<Precautions>

* During the usage, make sure to carefully read the handling manual of the attached product before using it.
* The combination with the external stopper (Stopper nut OP-020EB) is highly recommended.
* Do not turn the screws of the oil spout at the bottom of the body.
* Sufficiently secure the mounting strength of the product. (2~3 times of the maximum resistance force value of the catalog specification as a guideline)
* Cannot be used in an environment where oil may spill or in a vacuum.
* Make sure that the eccentric load is not applied to the soft absorber. (angle of avertence: within ±2.5 °)

<Adjustment Method>

* Use the adjustment by turning the adjustment knob when using it.
* Adjustment is also available at an intermediate position of the scale because it is an analog.
* Firmly fix the lock screw with the hex wrench once the adjustment completed.