

## Shock Absorber (Two-Stage Motion W Type)



2-step Motion W Type Irregular Multi-orifice/Analog-adjustable

### W-A2M25(40) Series

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Small and light analog adjustable 2-step motion shock absorbers of screwed type

- Shock absorbers whose energy absorption can be adjusted. They show the energy absorption characteristics of multi-orifice type in the first half of a stroke and those of single-orifice type in the second half.
- Since their outer surfaces are threaded, they can be handled easily in the same manner as when fitting bolts.
- Suitable for absorbing shock caused by air cylinder.

# Specification

Model number		W-A2M25N040SD
Energy absorption range	J	12.7 to 63.7
Stroke	mm	40
Corresponding (equivalent) weight range	kg	350
(Note 1) Max. energy capacity per minute	J/min	637
Collision speed range	m/s	2 or less
(Note 3) Max. resisting force	N	4900
(Note 2) Rod returning force	N	71.4
(Note 2) Rod return time	s	0.5
Max. working cycle	times/min	60
Working temperature range	°C	−5 to +70 (No freezing)
Weight	g	459 (FA accessory: 129)

(Note 1) The max. energy capacity per minute shown in the table is the value at an ambient temperature of 26.7°C. The max. energy capacity per minute  $E_2$  (J/min) at an ambient temperature  $T$  (°C) is indicated by the following formula.

$$E_2 = \frac{(82.2 - T)}{55.5} \times \left( \begin{array}{c} \text{max. energy} \\ \text{capacity per minute} \\ \text{shown in table} \end{array} \right)$$

(Note 2) Maximum value when rod is retracted a stroke of 40 mm.

(Note 3) Maximum resisting force obtained after the shock absorber is appropriately adjusted.