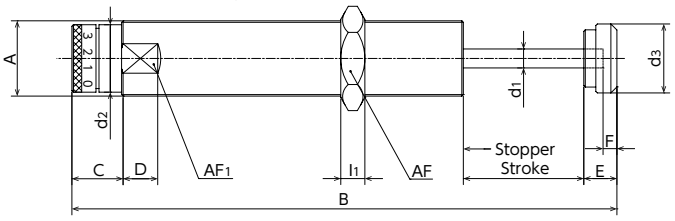
Speed Controller

AE Series

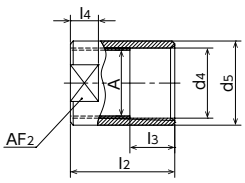
RoHS Compliant

●Products specification might be changed without notice.

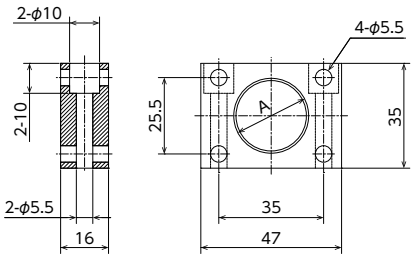
Nut
OP-040-E20-03
OP-040-E25-03
(one piece for the main unit)



Stopper nut
OP-020-E20
OP-020-E25



Mount block
OP-040-E20-05
OP-040-E25-05



Dimensions

Model	Stroke mm	A	B	C	D	E	F	d_1	d_2	d_3	d_4	d_5	l_1	l_2	l_3	l_4	AF	AF_1	AF_2
AE-020019ASP	19.1	M20×1.5	118.6	13.2	12	11	4.6	4.8	16.8	16.8	20.5	25	6	25	12	8	24	18	22
AE-025025ASP	25.4	M25×1.5	142.6	16.5	12	11	4.6	6.3	22.4	22.9	25	30	8	32	16	10	30	23	27
AE-025040ASP	40.0	M25×1.5	189	16.5	12	11	4.6	6.3	22.4	22.9	25	30	8	32	16	10	30	23	27

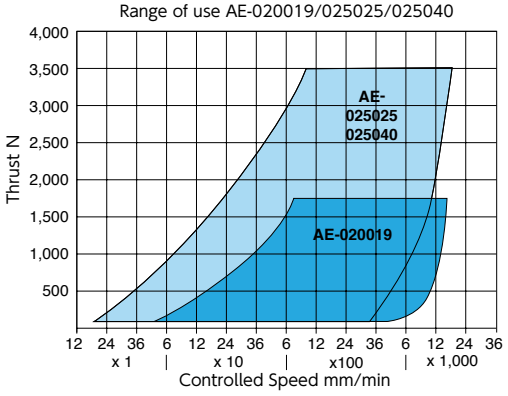
Specifications

Model	Stroke mm	Thrust N Minimum - Maximum	Recovering power N Minimum - Maximum	Returning time S	Allowable eccentric angle °	Weight kg
AE-020019ASP	19.1	22–1779	4.69–9.56	0.65	2	0.13
AE-025025ASP	25.4	62–3559	10.67–30.56	0.85	2	0.30
AE-025040ASP	40	67–3559	10.67–32.92	0.95	2	0.39

Model	Remarks
OP-040-E20-05	020
OP-040-E25-05	025
OP-040-E20-03	020
OP-040-E25-03	025
OP-020-E20	020
OP-020-E25	025

Range of use/Range of Control

Range of use AE-020019/025025/025040



Characteristics

Operating temperature : 0 ~60℃

Material/Surface Treatment : Outer tube Carbon Steel/Black Oxide Coating
Piston rod Stainless steel

The product cannot be used in an environment where spattering liquid such as cutting oil, water, or cleansing liquid, etc. are present.

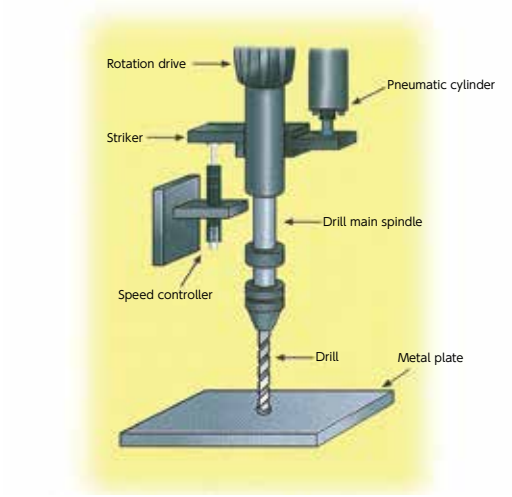
Speed Controller

FVC/AE Series

RoHS Compliant

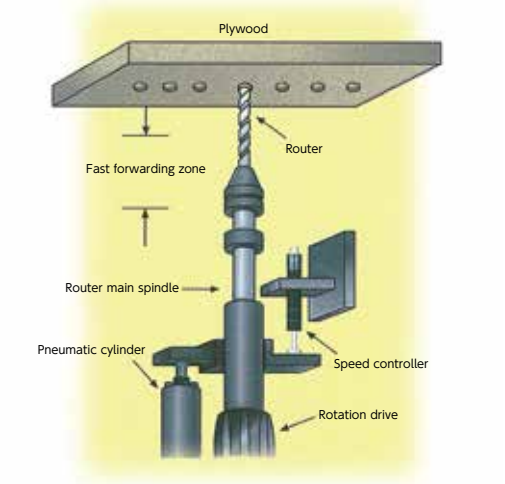
Application

Drilling the metal plate



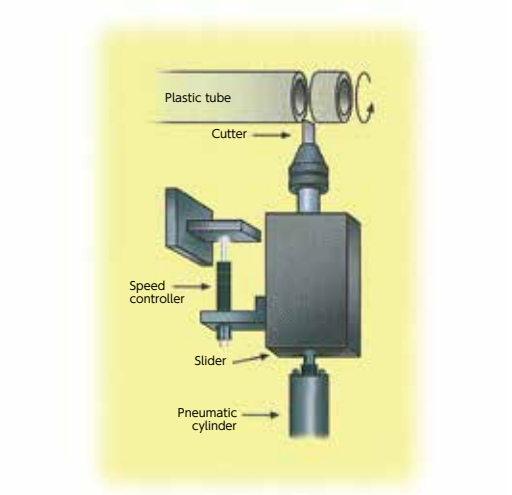
If the control of feeding speed is not possible at drilling, the excessive force will be applied to the drill, and the drill will bite into the work to generate a sharp projection and break the drill. By mounting a speed controller, the feeding speed of the drill can be precisely controlled to reduce burrs and remarkably reduce the breakage of drill.

Drilling of the panels for furniture.



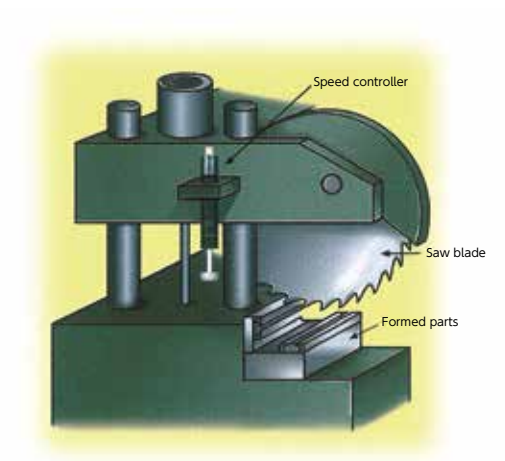
A custom-made tandem type pneumatic cylinder can provide the control of the fast forward and the low speed feeding at cutting. However, the mechanism becomes sophisticated, and the adjustment and the controllability do not perform optimally. By mounting a speed controller, the feeding speed can be precisely controlled; therefore, the equipment using a high cost custom-made tandem pneumatic cylinder can be replaced by a standard product.

Cutting and Chamfering of Plastic tube



Precisely adjusting the cutting and feeding speeds in accordance with the materials and works is required. The speed controller can easily control the different feeding speed in accordance with the materials. Due to this, a standard pneumatic cylinder can be applied for structuring an inexpensive system in accordance with the materials.

Cutting the Formed Parts of Aluminum/Plastics



The saw blade will wear with the high cutting resistance of materials, such as aluminum and plastics. If the cutting is continued with this feeding speed, the saw blade or the material will be damaged. The attached speed controller on the tool head will provide the ease of feeding speed control to prevent the breakage, and the ease of mounting, which offers a low cost solution.