

Adjustable

MA, MVC

Hydraulic Feed Controls

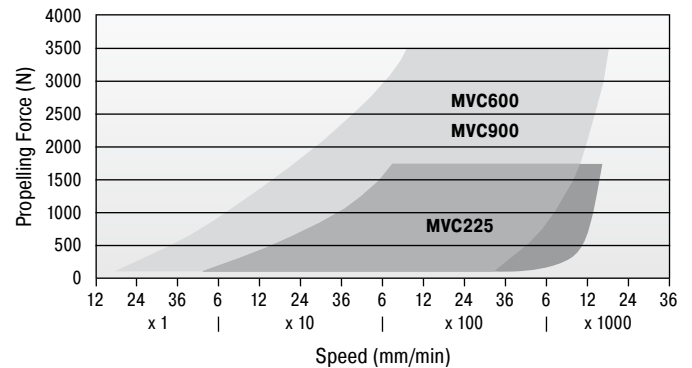
Designed for applications with low precision requirements

Many application options: The hydraulic feed controls in models MA and MVC are similar to that of the VC model. However, these hydraulic controls have been designed for applications that require less precision.

There are also plenty of accessories for the MA and MVC models. All products are ready-to-install, maintenance-free, stable in temperature and avoids stick-slip effect. Speeds from 12 mm/min. can be driven at a low thrust force using the adjustment screw on the base of the hydraulic control.

Hydraulic feed controls with the designations MA and MVC are especially used in handling modules or linear carriages and also for applications with changing usage data.

Operating Range MVC225 to MVC900



Performance and Dimensions

TYPES	Stroke mm	Compression Force		Return force min. N	Return force max. N	Return time s	Side Load Angle max. °	Weight kg
		min. N	max. N					
MA30EUM	8	8	80	1.7	5.3	0.3	2.0	0.013
MA50EUM	7.2	40	160	3.0	6.0	0.3	2.0	0.025
MA35EUM	10.2	15	200	5.0	11.0	0.2	2.0	0.043
MA150EUM	12.7	20	300	3.0	5.0	0.4	2.0	0.060
MVC225EUM	19	25	1,750	5.0	10.0	0.65	2.0	0.150
MVC600EUM	25	65	3,500	10.0	30.0	0.85	2.0	0.300
MVC900EUM	40	70	3,500	10.0	35.0	0.95	2.0	0.400

¹ For applications with higher side load angles consider using the side load adaptor (BV) pages 38 to 45.

Technical Data

Compression force: 8 N to 3,500 N

Execution: Thread M8 to M25

Impact velocity range: At speeds of 0.3 m/s the maximum allowed energy is approx. 2 Nm. Where higher energies occur use a shock absorber for the initial impact. Avoid high impact velocities.

Adjustment: Hard impact at the start of stroke, turn towards 9 or PLUS. Hard impact at the end of stroke, turn towards 0 or MINUS.

Positive stop: Integrated

Damping medium: Oil, temperature stable

Material: Outer body: Nitride hardened steel; Piston rod: Steel with black oxide finish or nitride hardened

Mounting: In any position

Operating temperature range: 0 °C to 66 °C

Application field: Handling modules, Linear slides, Automatic machinery, Conveyor equipment

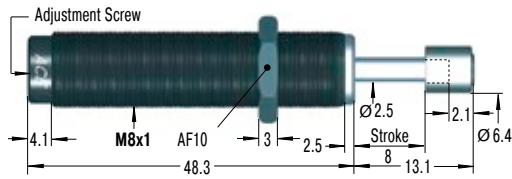
Note: Damper is preset at delivery in a neutral position between hard and soft.

Safety instructions: External materials in the surrounding area can attack the seal compo-

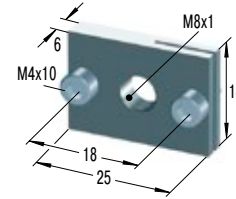
nents and lead to a shorter service life. Please contact ACE for appropriate solution suggestions.

On request: Nickel-plated, weartec finish (seawater resistant) or other special options available on request.

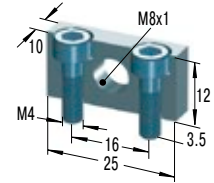
MA30EUM



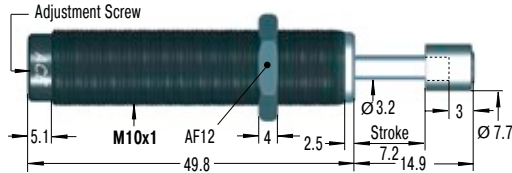
RF8 Rectangular Flange



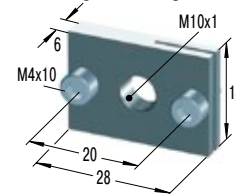
MB8SC2 Mounting Block



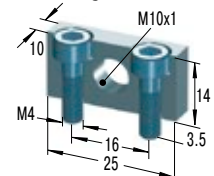
MA50EUM



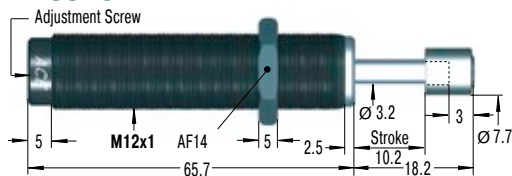
RF10 Rectangular Flange



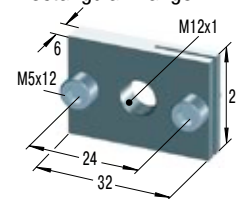
MB10SC2 Mounting Block



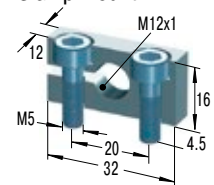
MA35EUM



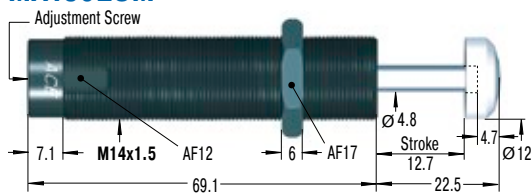
RF12 Rectangular Flange



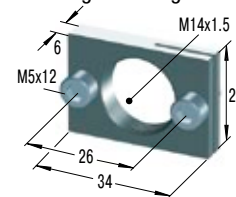
MB12 Clamp Mount



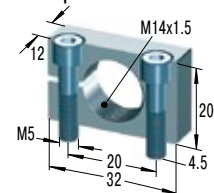
MA150EUM



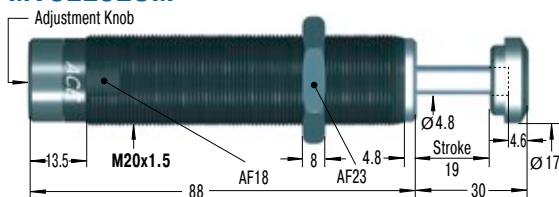
RF14 Rectangular Flange



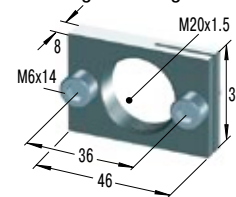
MB14 Clamp Mount



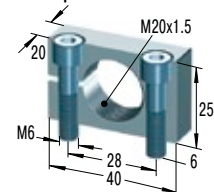
MVC225EUM



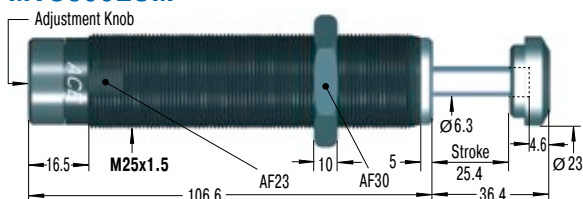
RF20 Rectangular Flange



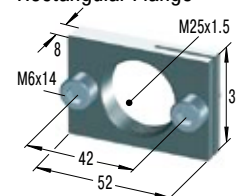
MB20 Clamp Mount



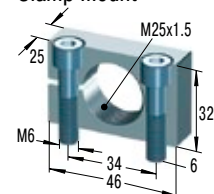
MVC600EUM



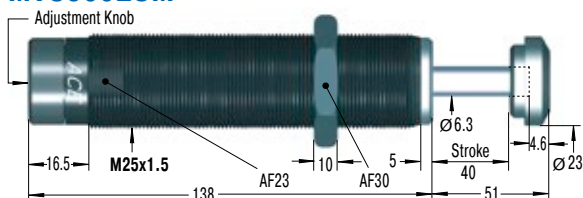
RF25 Rectangular Flange



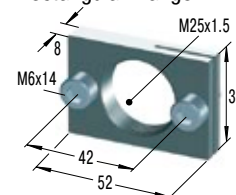
MB25 Clamp Mount



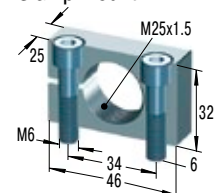
MVC900EUM



RF25 Rectangular Flange



MB25 Clamp Mount



Additional accessories, mounting, installation ... see from page 38.