

## MA, MVC

Designed for applications with low precision requirements

### Adjustable

**Compression force 8 N to 3,500 N**

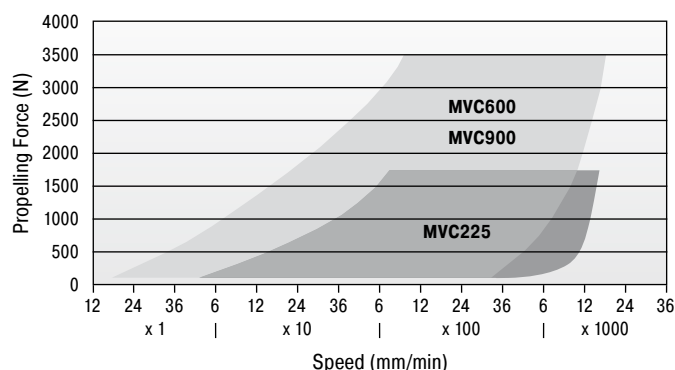
**Stroke 7 mm to 40 mm**

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	0.011
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	0.045
MA150EUM	12.7	20	300	3.0	5.0	0.4	2.0	0.061
MVC225EUM	19	25	1,750	5.0	10.0	0.65	2.0	0.160
MVC600EUM	25	65	3,500	10.0	30.0	0.85	2.0	0.320
MVC900EUM	40	70	3,500	10.0	35.0	0.95	2.0	0.420

<sup>1</sup> 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, Absorption control

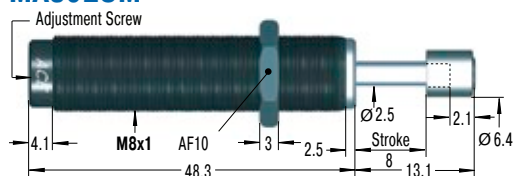
**Note:** Damper is preset at delivery in a neutral position between hard and soft.

**Safety instructions:** External materials in the surrounding area can attack the seal components and lead to a shorter service life. Please

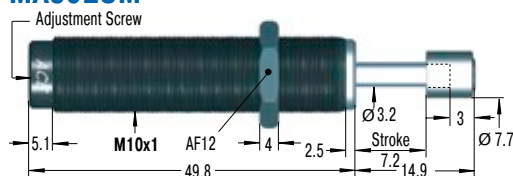
contact ACE for appropriate solution suggestions.

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

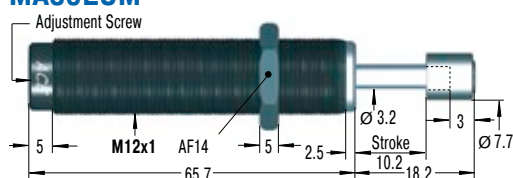
### MA30EUM



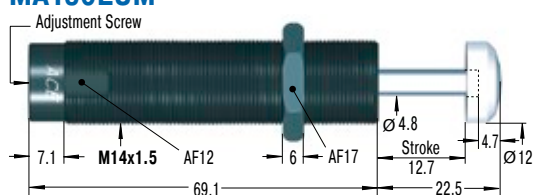
### MA50EUM



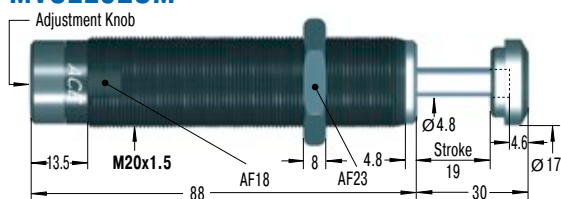
### MA35EUM



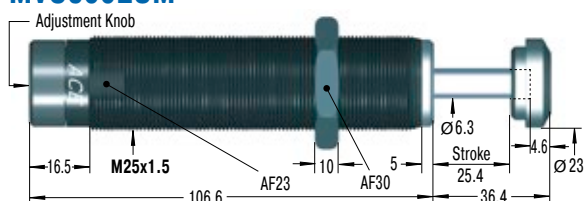
### MA150EUM



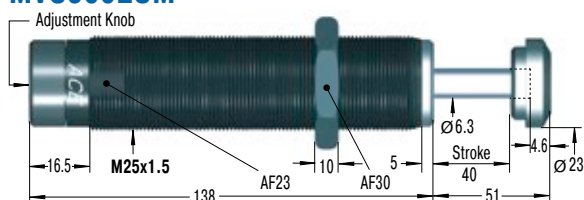
### MVC225EUM



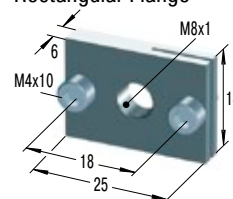
### MVC600EUM



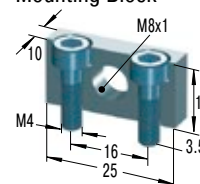
### MVC900EUM



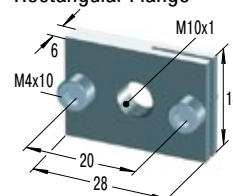
### RF8 Rectangular Flange



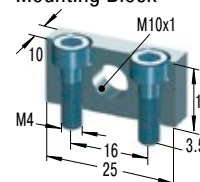
### MB8SC2 Mounting Block



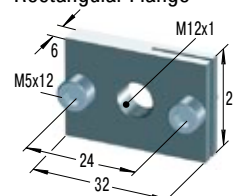
### RF10 Rectangular Flange



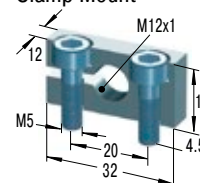
### MB10SC2 Mounting Block



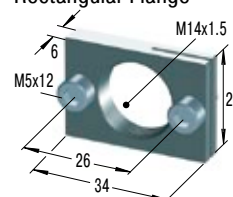
### RF12 Rectangular Flange



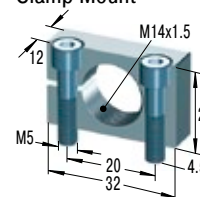
### MB12 Clamp Mount



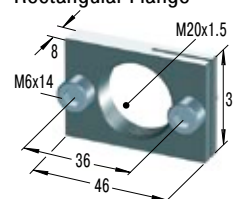
### RF14 Rectangular Flange



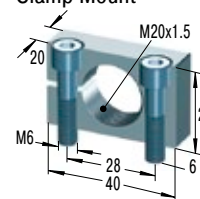
### MB14 Clamp Mount



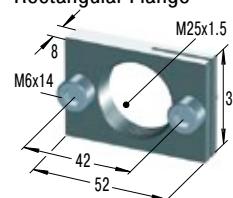
### RF20 Rectangular Flange



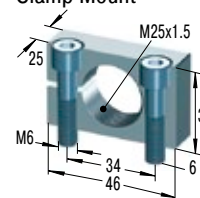
### MB20 Clamp Mount



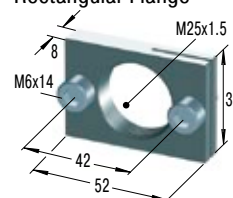
### RF25 Rectangular Flange



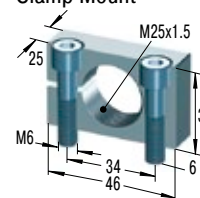
### MB25 Clamp Mount



### RF25 Rectangular Flange



### MB25 Clamp Mount



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