

Impact velocity range: Avoid high impact velocities. At speeds of 0.3 m/s the maximum allowed energy is approx. 1 Nm for units up to 55 mm stroke and approx. 2 Nm for units 75 mm to 125 mm stroke. Where higher energies occur use a shock absorber for the initial impact.

**Material:** Body: Heavy duty aluminium tube with black oxide. Piston rod: Hard chrome plated.

**Nylon button PP600** can be fitted onto piston rod. Unit may be mounted in any position.

**When mounting:** Take care not to damage the adjuster knob.

Operating temperature range:  $0 \,^{\circ}\text{C}$  to  $60 \,^{\circ}\text{C}$ 

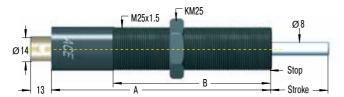
Only VC2515 to VC2555: Do not rotate piston rod, if excessive rotation force is applied rolling seal may rupture. In contact with petroleum base oils or cutting fluids specify optional neoprene rolling seal or install air bleed adaptor type SP.



## Precision Hydraulic Feed Controls VC2515 to VC25125

Adjustable

## VC25



for VC2515
Accessories, mounting, installation ... see pages 36 to 39. reduction of

## SP25



Air Bleed Collar for VC2515FT to VC2555FT reduction of the stroke 6.4 mm



Clamp Mount

<b>Capacity Chart</b>										
<b>Type</b> Part Number	Stroke mm	A	В	Min. Propelling Force <b>N</b>	Max. Propelling Force <b>N</b>	Min. Return Force <b>N</b>	Max. Return Force <b>N</b>	Rod Reset Time <b>s</b>	Max. Side Load Angle	Weight <b>kg</b>
VC2515EUFT	15	128	80	30	3 500	15	30	0.2	3	0.35
VC2530EUFT	30	161	110	30	3 500	5	30	0.4	2	0.45
VC2555EUFT	55	209	130	35	3 500	5	40	1.2	2	0.6
VC2575EUFT	75	283	150	50	3 500	10	50	1.7	2	0.681
VC25100EUFT	100	308	150	60	3 500	10	50	2.3	1	0.794
VC25125EUFT	125	333.5	150	70	3 500	10	60	2.8	1	0.908

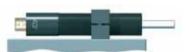
Suffix "FT" signifies a M25x1.5 threaded body.

Suffix "F" signifies a plain body 23.8 mm dia. (without thread) also available, with optional clamp type mounting block.

## **Technical Data**

**Outer body:** Plain body 23.8 mm dia. (without thread) is also available. **Feed rate range:** Min. 0.013 m/min with 400 N propelling force, max. 38 m/min with 3500 N propelling force.

## **Mounting Examples**



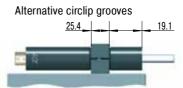
Mounting with clamp mount MB25



Installed with air bleed collar SP25

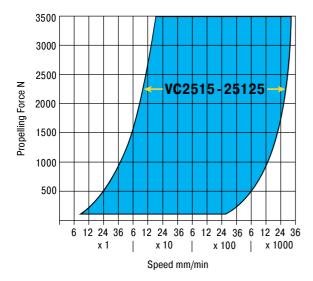


Installed with switch stop collar inc. proximity switch and steel button AS25 plus PS25



Bulkhead mounting for VC25...F with mounting block KB... (23.8 mm plain body option)

## **Operating Range VC**



Accessories, mounting, installation ... see pages 34 to 39.

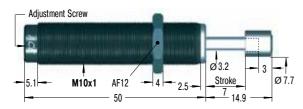
# RF8 MB8SC2 M8x1 10

Rectangular Flange

Mounting Block

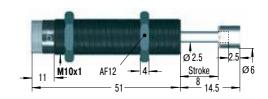
M8x1

## MA50EUM for use on new installations



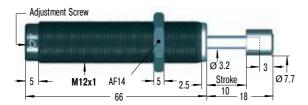
Accessories, mounting, installation ... see pages 34 to 39.

## FA1008V-B still available in future



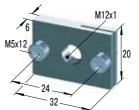
Accessories, mounting, installation ... see pages 34 to 39.

### MA35EUM



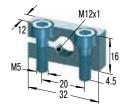
Accessories, mounting, installation ... see pages 35 to 39.

## **RF12**



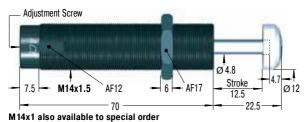
Rectangular Flange

## **MB12**



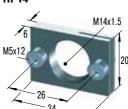
Clamp Mount

## MA150EUM



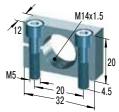
Accessories, mounting, installation ... see pages 35 to 39.

### **RF14**



Rectangular Flange

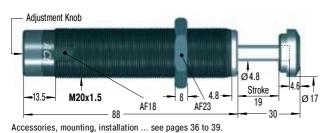
**MB14** 



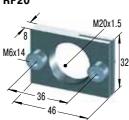
Clamp Mount

## MVC225EUM

*128* 

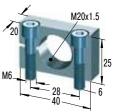


### **RF20**



Rectangular Flange

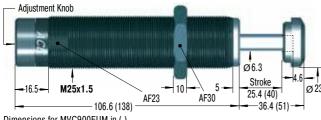
# **MB20**



Clamp Mount

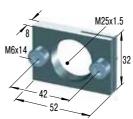
**MB25** 

## MVC600EUM and MVC900EUM

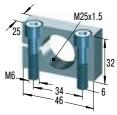


Dimensions for MVC900EUM in ( ) Accessories, mounting, installation ... see pages 36 to 39

## **RF25**



Rectangular Flange



Clamp Mount

Capacity Chart											
		Propell	ing Force N								
<b>Type</b> Part Number	Stroke mm	min. <b>N</b>	max. <b>N</b>	Min. Return Force <b>N</b>	Max. Return Force <b>N</b>	Rod Reset Time <b>s</b>	<sup>1</sup> Max. Side Load Angle °	Weight <b>kg</b>			
MA30EUM	8	8	80	1.7	5.3	0.3	2	0.013			
MA50EUM	7	40	160	3	6	0.3	2	0.025			
FA1008V-B	8	10	180	3	6	0.3	2.5	0.024			
MA35EUM	10	15	200	5	11	0.2	2	0.043			
MA150EUM	12	20	300	3	5	0.4	2	0.06			
MVC225EUM	19	25	1 750	5	10	0.65	2	0.15			
MVC600EUM	25	65	3 500	10	30	0.85	2	0.3			
MVC900EUM	40	70	3 500	10	35	0.95	2	0.4			

<sup>&</sup>lt;sup>1</sup> For applications with higher side load angles consider using the side load adaptor (BV) page 38.

### **Technical Data**

Impact velocity range: Avoid high impact velocities. 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.

Mounting: In any position

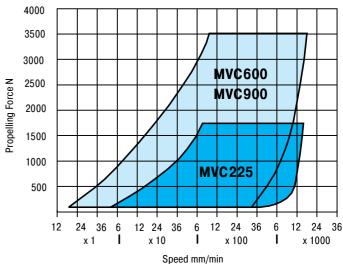
Positive stop: Install mechanical stop 0.5 to 1 mm before end of stroke

on model FA1008V-B.

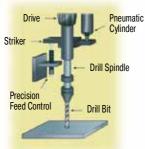
Material: Body: Steel with black oxide finish. Piston rod: Stainless

Operating temperature range: 0 °C to 66 °C

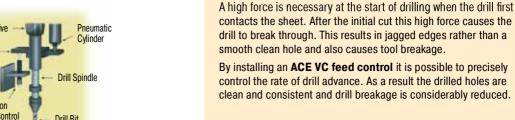
## Operating Range MVC225 to 900



## **Application Examples**

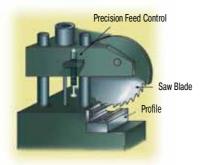


## **Drilling sheet metal**



Varying material types, hardness and wear on the saw blade causes the cutting pressure to vary greatly. However the saw advance speed should remain constant as changes cause breakage of the material being cut or of the saw blade.

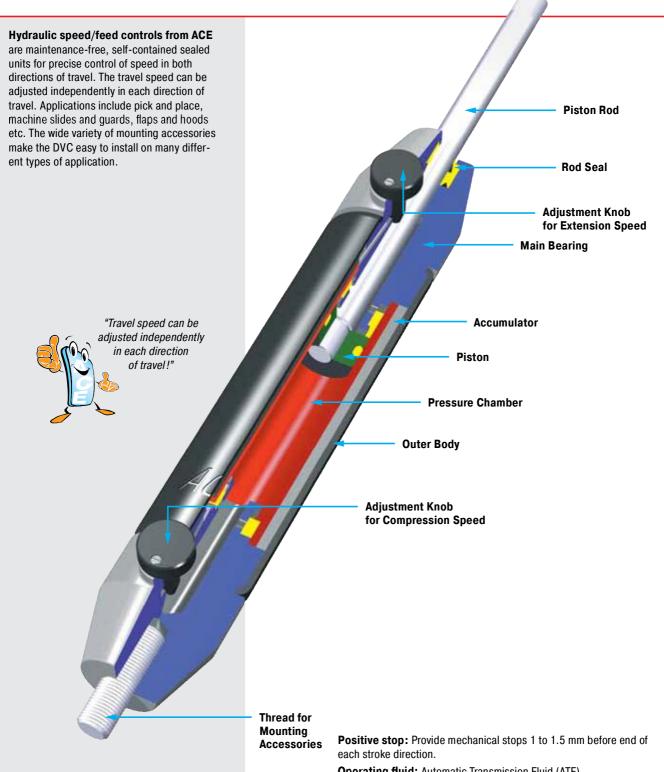
An ACE VC feed control fitted directly to the cutting head provides a simple and low cost solution. The cutting speed remains constant and can be easily preset.



## Sawing aluminium and plastic profiles

ssue 1.2013 Specifications subject to change

# Hydraulic Speed/Feed Controls DVC-32 Adjustable



**Operating fluid:** Automatic Transmission Fluid (ATF)

Material: Body: Black anodised aluminium. Piston rod: Hard chrome plated steel. End fittings: Zinc plated

steel.

Note: If unit has not moved for some time the seals may dry causing an increased break-away force on the initial cycle.

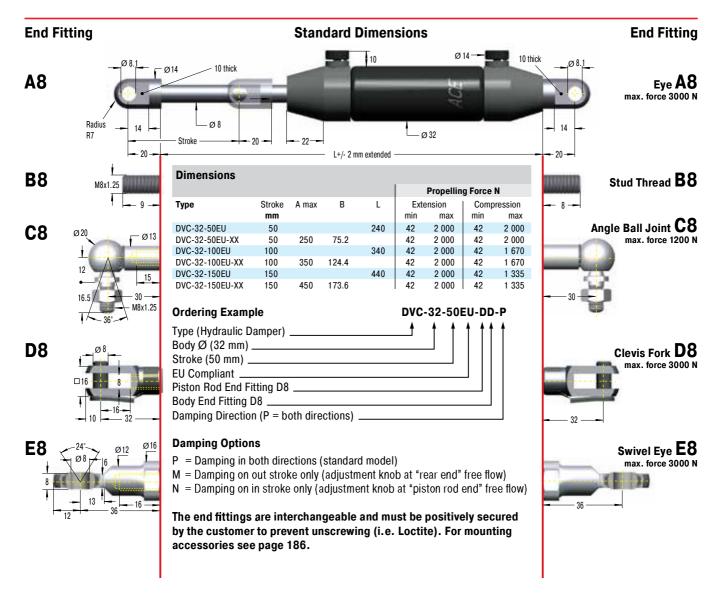
Mounting: In any position. End fittings must be positively secured to prevent unscrewing.

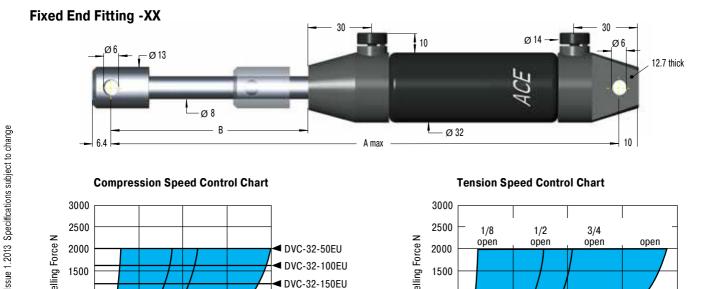
Operating temperature range: 0 °C to 65 °C

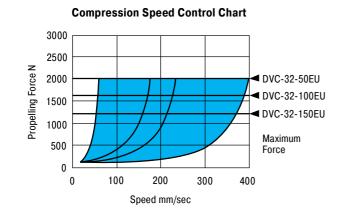
On request: Special oils and external finishes. Uni-directional damping (free flow in reverse direction).

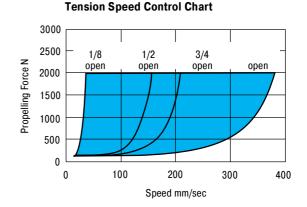


Adjustable (Compression and Extension Forces 42 N to 2000 N)











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