

Adjustable, Without Free Travel

DVC-32

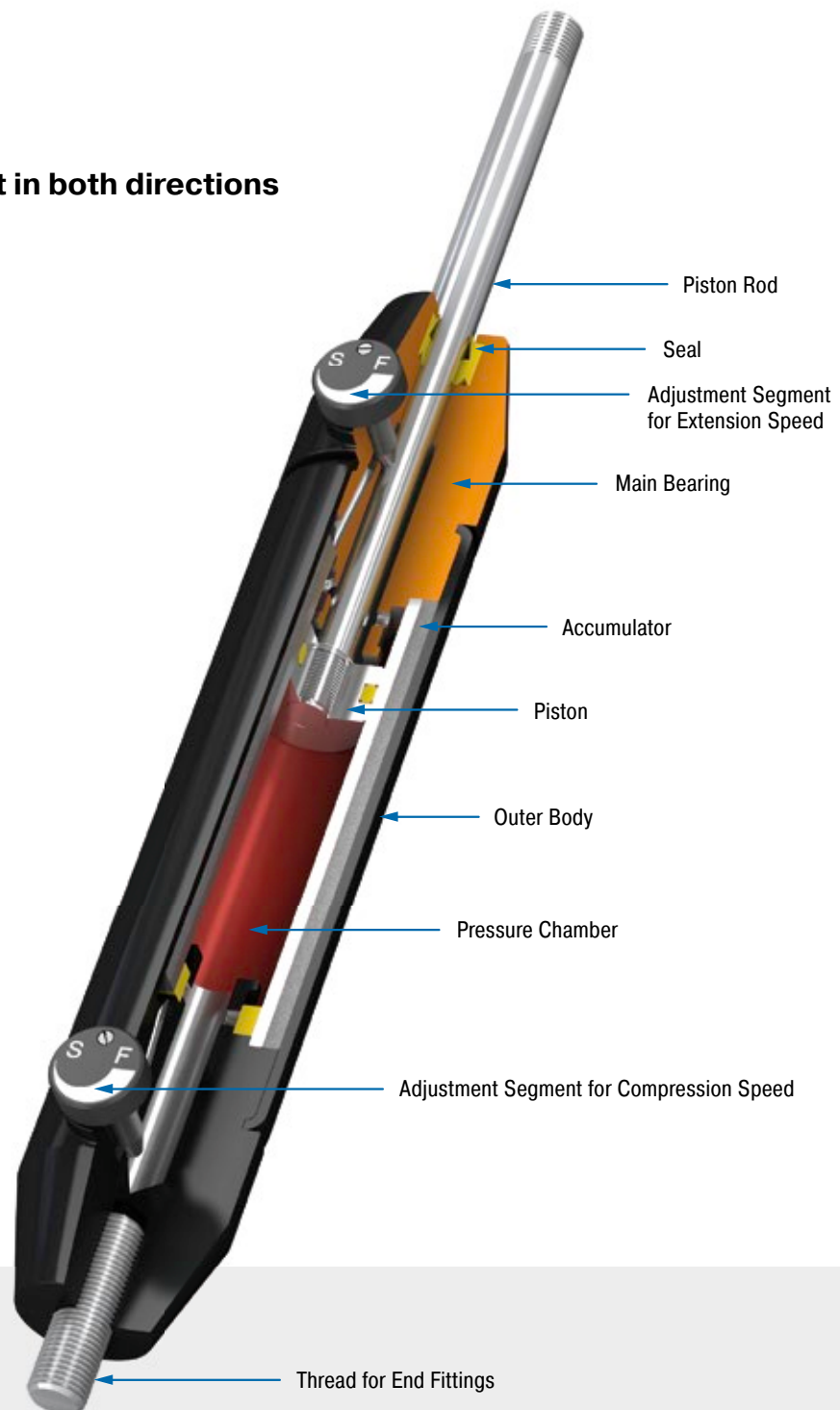
Hydraulic Dampers

Individual speed adjustment in both directions

Can be regulated separately in any stroke position: The hydraulic dampers in the DVC-32 model are the first model to have the ability to have the in and out speeds adjusted independently from the outside and therefore more precisely. With their individual adjustment segments for the push and pull direction as well as the double-sided action, these are suitable as safety or control elements.

The great number of mounting accessories makes assembly of these hydraulic dampers by ACE easier and allows these maintenance-free, ready-to-install and self-contained systems universally applicable. Qualitatively high grade, and at the same time simple to use; one of their uses is to absorb swinging loads.

These machine elements are used, for one, in the automotive sector and industrial applications as well as in mechanical engineering and the electronics industry.



Technical Data

Compression and extension force:
42 N to 2,000 N

Outer body diameter: Ø 32 mm

Piston rod diameter: Ø 8 mm

Lifetime: Approx. 10,000 m

Operating temperature range: 0 °C to 65 °C

Adjustment: Steplessly adjustable

Positive stop: External positive stops 1 mm to 1.5 mm before the end of stroke provided by the customer.

Damping medium: Automatic Transmission Fluid (ATF)

Material: Outer body: Coated aluminium; Piston rod: Black anodized aluminium; End fittings: Zinc plated steel

Mounting: In any position

Application field: Cylinder speed controls, Absorption control, Finishing and processing centres

Note: Increased break-away force if unit has not moved for some time. Damping force can be adjusted after installation.

End fittings: They are interchangeable and must be positively secured by the customer to prevent unscrewing.

On request: Special oils and other special options. Alternative accessories available on request.

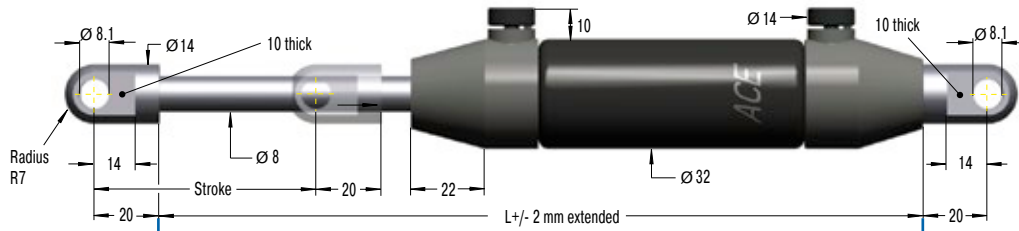
Adjustable, Without Free Travel, Compression and extension force 42 N to 2,000 N

End Fitting

Standard Dimensions

End Fitting

A8



Eye A8
max. force 3,000 N

B8



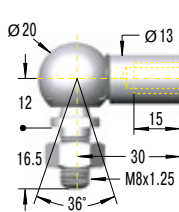
Performance and Dimensions

TYPES	Stroke mm	L extended mm	¹ Compression Force max. N
DVC-32-50EU	50	240	2,000
DVC-32-100EU	100	340	1,670
DVC-32-150EU	150	440	1,335

¹ Max. extension force for all stroke lengths 2,000 N.

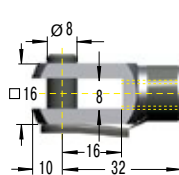
Stud Thread B8

C8



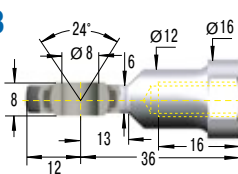
Angle Ball Joint C8
max. force 1,200 N

D8



Clevis Fork D8
max. force 3,000 N

E8



Swivel Eye E8
max. force 3,000 N

Ordering Example

DVC-32-50EU-DD-P

Type (Hydraulic Damper) _____
 Body Ø (32 mm) _____
 Stroke (50 mm) _____
 EU Compliant _____
 Piston Rod End Fitting D8 _____
 Body End Fitting D8 _____
 Damping Direction (P = both directions) _____

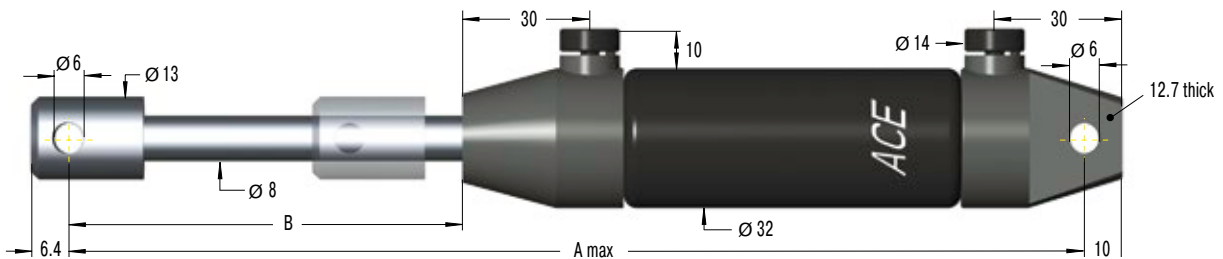
Model Type Prefix

P: Damping in both directions (standard model)
 M: Damping on out stroke only (adjustment knob at "rear end" free flow)
 N: Damping on in stroke only (adjustment knob at "piston rod end" free flow)

End fittings: They are interchangeable and must be positively secured by the customer to prevent unscrewing.

Mounting accessories see from page 194.

DVC-32EU-xx



Performance and Dimensions

TYPES	Stroke mm	A max. mm	B mm	Compression Force max. N	Traction Force Range max. N
DVC-32-50EU-XX	50	250	75.2	2,000	2,000
DVC-32-100EU-XX	100	350	124.4	1,670	2,000
DVC-32-150EU-XX	150	450	173.6	1,335	2,000