

Valve Technology, Stainless Steel, Extension force 15 N to 180 N (compressed up to 225 N)

End Fitting

Standard Dimensions

End Fitting

B3,5 Stud Thread **B3,5**

A3,5-V4A Eye **A3,5-V4A**
max. force 370 N

C3,5-V4A Angle Ball Joint **C3,5-V4A**
max. force 370 N

D3,5-V4A Clevis Fork **D3,5-V4A**
max. force 370 N

G3,5-V4A Ball Socket **G3,5-V4A**
max. force 370 N

Adjuster Knob DE-GAS-3,5
See page 175.

Performance and Dimensions			
TYPES	Stroke mm	L extended mm	Extension force max. N
GS-12-20-V4A	20	72	180
GS-12-30-V4A	30	92	180
GS-12-40-V4A	40	112	180
GS-12-50-V4A	50	132	180
GS-12-60-V4A	60	152	180
GS-12-80-V4A	80	192	150
GS-12-100-V4A	100	232	150
GS-12-120-V4A	120	272	120
GS-12-150-V4A	150	332	100

Ordering Example

GS-12-100-AA-30-V4A

Type (Push Type) _____

Body Ø (12 mm) _____

Stroke (100 mm) _____

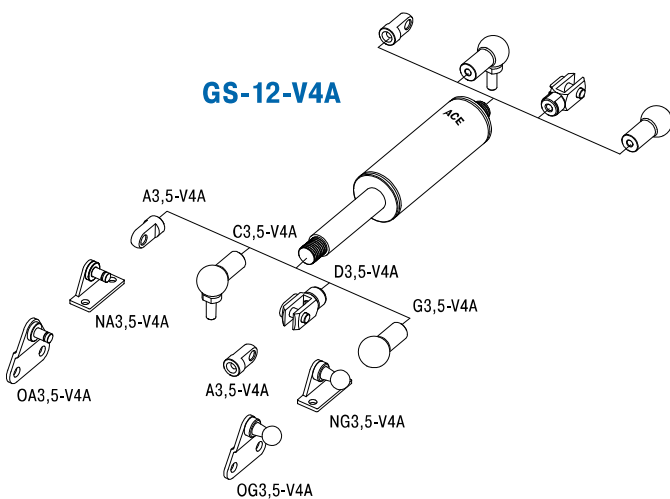
Piston Rod End Fitting A3,5-V4A _____

Body End Fitting A3,5-V4A _____

Nominal Force F₁ 30 N _____

Material (1.4404/1.4571, AISI 316L/316Ti, V4A) _____

Mounting accessories see from page 208.



Technical Data

Extension force: 15 N to 180 N (compressed up to 225 N)

Progression: Approx. 20 % to 25 %

Operating temperature range: -20 °C to +80 °C

Material: Outer body, Piston rod, End fittings: stainless steel (1.4404/1.4571, AISI 316L/316Ti)

Mounting: We recommend mounting with piston rod downwards to take advantage of the built-in end position damping.

End position damping length: approx. 10 mm (depending on the stroke)

Positive stop: External positive stop at the end of stroke provided by the customer.

Note: Special oil according to FDA 21 CFR 178.3570 of the food industry

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

Safety instructions: Gas pressure springs should not be installed under pre-tension.