

Valve Technology, Stainless Steel, Extension force 100 N to 1,200 N (compressed up to 1,596 N)

End Fitting

Standard Dimensions

End Fitting

**B8**

**A8-VA**

**C8-VA**

**D8-VA**

**E8-VA**

**G8-VA**

**Rod Shroud W8-22-VA**

**Stud Thread B8**

**Eye A8-VA**  
max. force 1,560 N

**Angle Ball Joint C8-VA**  
max. force 1,140 N

**Clevis Fork D8-VA**  
max. force 1,560 N

**Swivel Eye E8-VA**  
max. force 1,560 N

**Ball Socket G8-VA**  
max. force 1,140 N

**Adjuster Knob DE-GAS-8**  
See page 175.

Performance and Dimensions			
TYPES	Stroke mm	L extended mm	Extension force max. N
GS-22-50-VA	50	164	1,200
GS-22-100-VA	100	264	1,200
GS-22-150-VA	150	364	1,200
GS-22-200-VA	200	464	1,200
GS-22-250-VA	250	564	1,200
GS-22-300-VA	300	664	1,100
GS-22-350-VA	350	764	850
GS-22-400-VA	400	864	650
GS-22-450-VA	450	964	550
GS-22-500-VA	500	1,064	450
GS-22-550-VA	550	1,164	400
GS-22-600-VA	600	1,264	350
GS-22-650-VA	650	1,364	300
GS-22-700-VA	700	1,464	250

**Ordering Example**

GS-22-150-AE-800-VA

Type (Push Type) \_\_\_\_\_

Body Ø (23 mm) \_\_\_\_\_

Stroke (150 mm) \_\_\_\_\_

Piston Rod End Fitting A8-VA \_\_\_\_\_

Body End Fitting E8-VA \_\_\_\_\_

Nominal Force F<sub>1</sub> 800 N \_\_\_\_\_

Material (1.4301/1.4305, AISI 304/303, VA) \_\_\_\_\_

Mounting accessories see from page 208.

Technical Data

- Extension force:** 100 N to 1,200 N (compressed up to 1,596 N)
- Progression:** Approx. 29 % to 33 %
- Operating temperature range:** -20 °C to +80 °C
- Material:** Outer body, Piston rod, End fittings: stainless steel (1.4301/1.4305, AISI 304/303)
- Mounting:** We recommend mounting with piston rod downwards to take advantage of the built-in end position damping.
- End position damping length:** approx. 20 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.

