



Adjustable Gas Spring (Locking)

Rigid Blocking

S 10-28

Extension force F1	180 - 1200 Newton
Progression	45 %
Piston rod	Ø 10 mm steel chromium plated
Cylinder	Ø 28 mm steel black spray coated
Fittings	Steel zinc plated

GZ 18

GZ 10

AB 16
Only possible on cylinder end

QV 32

HQ 40
Hole ø 8.1 mm
Hole also possible at 90°

AU 19

AS 30

GA 32

BA 41
Hole ø 8.1 mm
Hole also possible at 90°

WG 30

Standard Strokes [mm] 20, 25, 30, 35, 40, 50, 60, 65, 70, 80, 90, 100, 110, 120, 130, 135, 140, 150, 160, 165, 180, 200, 210, 220, 230, 250, 300, 350, 400, 450, 500 *Special strokes available upon request
Base Length L = 2.4 x Stroke + 80 mm
Overall Extended Length = L + L1 + L2
Standard Release Pin Length 5 mm Pin Movement 2 - 4 mm
Locking Force In compression = 5.5 x F1 In extension = Max. 3000N
Special Release 0,1 mm Pin Length 3 mm Pin Movement 0,1 - 0,2 mm
Extras Codes 4, 5, 6, 9, VV (see pages 4 & 28)
Gas Spring and fittings also available in complete stainless steel (VV)
For additional end fittings and also mounting brackets see pages 29, 30 and 31
Note: Our adjustable gas springs are equipped with a release valve which has a pin movement of 2 - 4 mm. The load under pressure is extreme as the valve closes more precisely the higher the load is. This valve makes it possible to release the blocking of the piston rod by mean of a max. 30° rotation, using a cap which is installed at the end of the piston rod. Even the extension speed of the piston rod can be controlled using this rotation. A quick release movement of 0.1mm can be supplied upon request. In this case the locking force in compression is still equal to 4 x the extension force, but in the other direction 6 x the extension force.
Order Code S10 28 0050 1 0200 GZ18 GZ10 250N (see page 4)