



**RHD-L (up to 600 N)
RHD-H (more than 600 N)
Direct Hydraulic Release**

Technical Data

ACE gas springs are self-contained and maintenance free.

Mounting position: In any position.

Progression: approx. 50%,
F₂ max = 1950 N

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

Hydraulic Remote Release:
10°C to 60°C.

Operating fluid: Nitrogen gas & oil.

Available force range: 100 N to 1300 N.

Rigid locking force: 6 to 8 times the extension force (GBK).

Material: Body: powder coated steel. Piston rod: hard chrome plated. End fittings: zinc plated steel.

To special order: Special lengths, force adjustment valve etc.

GBE Type: is locked by blocking gas flow across the piston.

GBK Type: is locked by blocking oil flow across the piston, giving a rigid hydraulic lock.

Dimensions

GBE-28 spring locking

Type	Stroke mm	L Extended
GBE-28-50	50	190
GBE-28-80	80	270
GBE-28-100	100	310
GBE-28-150	150	410
GBE-28-200	200	490
GBE-28-300	300	700
GBE-28-400	400	890

For mountings and end fittings for rear of body see page 138.

Ordering Example GBE-28-150-1200-V-A

Type (Push Type) _____
Spring Locking _____
Body ø (28 mm) _____
Stroke (150 mm) _____
Nominal Force F₁ 1200 N _____
Valve V10 _____
Rear Eye Fitting A10 _____

Dimensions

GBK-28 rigid locking

Type	Stroke mm	L Extended
GBK-28-35	35	190
GBK-28-60	60	270
GBK-28-100	100	333
GBK-28-130	130	418
GBK-28-150	150	495
GBK-28-200	200	553
GBK-28-250	250	710
GBK-28-300	300	800
GBK-28-450	450	1 135
GBK-28-500	500	1 250

Ordering Example GBK-28-150-800-V-D

Type (Push Type) _____
Rigid Locking _____
Body ø (28 mm) _____
Stroke (150 mm) _____
Nominal Force F₁ 800 N _____
Valve V10 _____
Rear Clevis Fork Fitting D10 _____

Hydraulic Remote Release System for Lockable Gas Springs.

The Hydraulic release system is maintenance free and self-contained. The release knob is designed for directly mounting into a control panel. The release system is available in direct, parallel and OR versions. The maximum connection tube length between the release knob and the lockable Gas Spring is 1500 mm for direct & OR versions, for parallel version please contact ACE.

Function: Depressing the remote release knob causes a small pressure rise which is transmitted to the release head fitted onto the end of the gas spring piston rod. This actuates the release pin in the end of the rod and "unlocks" the gas spring. As long as the release knob is depressed the gas spring is unlocked and operates as a normal gas spring. Once the release knob is released the gas spring locks again.

Ordering example: RHO-L-500-500-500 (L1, L2, L3 = 500 mm each)

Mechanical release systems see www.ace-controls.co.uk.

RHP-L up to 600 N

more than 600 N on request

Parallel-Release

Two gas springs with one hydr. release knob



RHO-L up to 600 N

RHO-H more than 600 N

OR-Release

One gas spring with two hydr. release knobs

