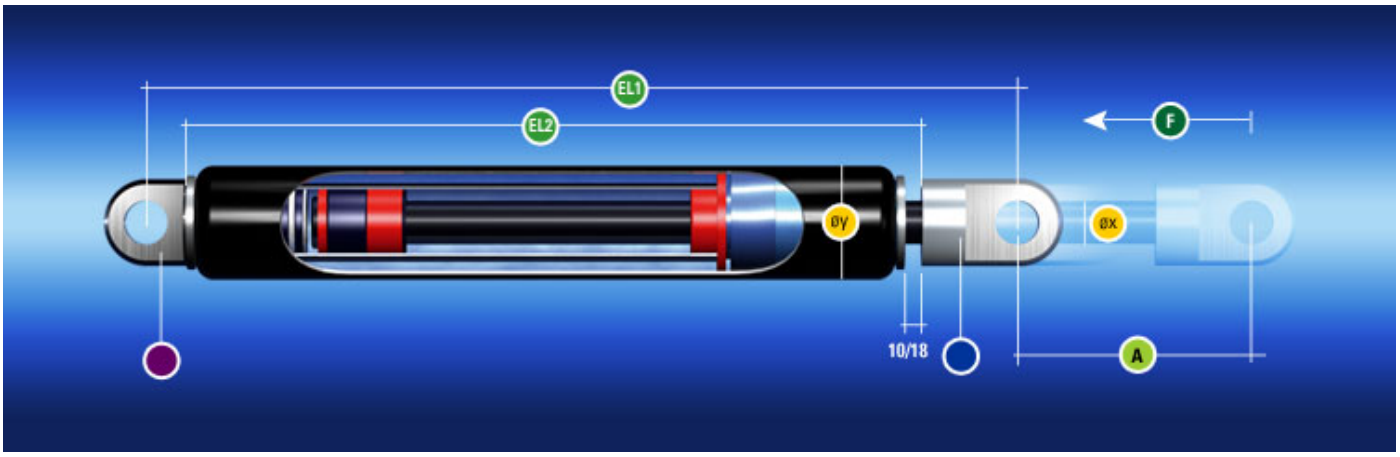

Gas traction springs without damping

B1	B1	Z	-	3	100	233	001*	400N
connecting parts piston rod	**connecting parts cylinder**	**model**	**design**	**diameter piston rod/cylinder Øx/Øy mm**	**stroke**	**length inserted(**see below)**	**Index No. (*see below)**	**pull-in force F (N)**
see connecting parts	see connecting parts	**Z** = Gas traction spring	**–** = standard (no damping) **F** = valve (no damping)	**1 = 8/22** **3** = 10/28 **B** = 14/40	**1 = 10-300** **3 = 10-600** **B = 10-600** as required	**1 = stroke + 77 mm** **3 =** stroke + 95 mm **B =** stroke + 120 mm		**pulled-in 100-4000** as required, measured 5 mm before inserted position, force range depends on size **1= 50-400N** **3**= 100-1500N **B**= 200-4000N Traction force: extended + approx. 60% higher

Gas traction springs with damping

B1	B1	Z	5	3	100	310	001*	400N
connecting parts piston rod	**connecting parts cylinder**	**model**	**speed / damping**	**diameter piston rod/cylinder Øx/Øy mm**	**stroke**	**length inserted (**see below) EL2 mm**	**Index No. (*see below)**	**pull-in force F (N)**
see connecting parts	see connecting parts	**Z** = gas traction spring	see gas springs	**C** = 6/19 **1** = 8/22 **3** = 10/28 **B** = 14/40	**10-200** as required	**C** = 2x stroke + 64 mm **1** = 2x stroke + 64 mm **3** = 2x stroke + 72 mm **B** = 2x stroke + 100 mm		**pulled-in 50-2500** as required, measured 5 mm before inserted position, force range depends on size **C**= 50-400N **1**= 50-400N **3**= 300-1200N **B**= 200-2500N Traction force: extended + approx. 25% (1,3,B)/40%(C)

**Attention:Calculation of extended length

EL1

The total length is calculated when the piston rod is inserted. Please add the length of the connecting parts in order to find out the total length.

EL2

length EL2 = measured without hinge eyes and threads

*Index Number

Index No.

With the index no. – only necessary for repeating orders – we can reproduce exactly the same gas spring which has already been produced. You will receive the index no. with the order confirmation / invoice.