



A1	A1	-	4	0	200	482	00 1*	500N	
connecting parts piston rod	connecting parts cylinder	model	push-out speed / damping	diameter piston rod / cylinder Øx/Øy mm	stroke A mm	extended length (**see below)	Index Nr. (*see below)	extension-force F1 (N)	progressivity ca. %
see connecting parts	see connecting parts	- standard	0 fast, no end damping	G = 4/12	10 - 150	2x stroke +30		7-200	21
		A according to your drawing	1 fast, normal end damping	6 = 6/15	10 - 150	2x stroke +30		10-400	27
		B according to our drawing	2 fast, increased end damping	C = 6/19	10 - 150	2x stroke +42		10-400	16
		C with scraper	3 normal, no end damping	D = 6/22	10 - 150	2x stroke +43		10-400	11
		D with covertube	4 normal, normal end damping	O = 8/19	10 - 300	2x stroke +46		30-700	33
		E with neutral labels	5 normal, increased end damping	1 = 8/22	10 - 300	2x stroke +46		30-700	22
		F with valve inside the cylinder	6 slow, no end damping	E = 8/28	10 - 300	2x stroke +60		30-700	13
		H with special seals for temperatures up to 200°C	7 slow, normal end damping	2 = 10/22	20 - 800	2x stroke +47		50-1300	39
		N stainless steel version in 1.4404	8 slow, increased end damping	3 = 10/28	20 - 800	2x stroke +60		50-1300	21
		R with increased friction	9 other variations <i>To recognize end damping please install with piston</i>	4 = 12/28	20 - 1000	2x stroke +60		100-1700	33
				5 = 14/28	20 - 1000	2x stroke +60		150-2600	52
				A = 10/40	20 - 1000	2x stroke +70		50-1300	8
				F = 12/40	20 - 1000	2x stroke +70		100-1700	13
				B = 14/40	20 - 1000	2x stroke +70		150-2600	18

	S with lockable cover tube (above 150 mm stroke)	rod downwards.	7 = 20/40 20 - 1000	2x stroke +90		200-5000	45
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Options

diameter piston rod/cylinder Øx/Øy mm	scraper EL2+10mm	cover tube EL2+10mm	valve +5mm	high-temperature seals	low-temperature seals	stainless steel	friction EL2+10mm	lockable cover tube EL2+10mm
G = 4/12								
6 = 6/15	x		x	x	x	x	x	
C = 6/19	x	plastic	x	x	x			
D = 6/22	x	plastic	x	x	x			
O = 8/19	x	plastic + steel	x	x	x	x	x	
1 = 8/22	x	plastic	x	x	x		x	
E = 8/28	x	plastic	x	x	x			
2 = 10/22	x	plastic	x	x	x	x	x	x
3 = 10/28	x	plastic	x	x	x	x		
4 = 12/28	x	plastic	x	x	x		x	
5 = 14/28	x	plastic	x	x	x	x	x	
A = 10/40	x	steel	x	x	x	x		
F = 12/40	x	steel	x	x	x			
B = 14/40	x	steel	x	x	x	x		
7 = 20/40	x		x	x	x	x		

****Attention: Calculation of the extended length**

EL1

The total length is calculated when the piston rod is extended. 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.