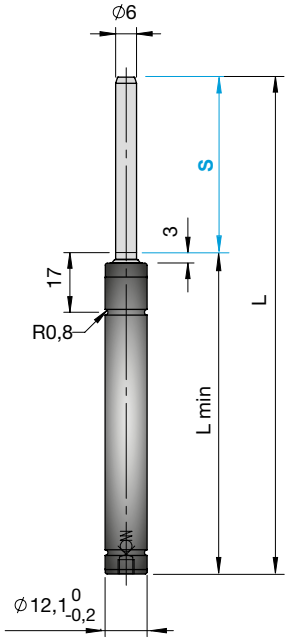


R12

Gas spring

Type 1
Type 2
Type 3
Type 4
Type 5 (individual)





T: < 80 °C

S = stroke
** Charge port*

S	Type	L ± 0.25	L min	bar	F1 [daN]	F2 [daN]	m [kg]	V [L]	Order No.
7	1	56	49	45	13	14.9	0.03	0.001	R12-7-1
7	2	56	49	90	25	29.9	0.03	0.001	R12-7-2
7	3	56	49	135	38	44.8	0.03	0.001	R12-7-3
7	4	56	49	180	50	59.7	0.03	0.001	R12-7-4
7	5	56	49	180	-	59.7	0.03	0.001	R12-7-5
10	1	62	52	45	13	15.8	0.03	0.001	R12-10-1
10	2	62	52	90	25	31.7	0.03	0.001	R12-10-2
10	3	62	52	135	38	47.5	0.03	0.001	R12-10-3
10	4	62	52	180	50	63.4	0.03	0.001	R12-10-4
10	5	62	52	180	-	63.4	0.03	0.001	R12-10-5
12.7	1	67.4	54.7	45	13	16.4	0.03	0.001	R12-12.7-1
12.7	2	67.4	54.7	90	25	32.9	0.03	0.001	R12-12.7-2
12.7	3	67.4	54.7	135	38	49.3	0.03	0.001	R12-12.7-3
12.7	4	67.4	54.7	180	50	65.7	0.03	0.001	R12-12.7-4
12.7	5	67.4	54.7	180	-	65.7	0.03	0.001	R12-12.7-5
15	1	72	57	45	13	16.8	0.03	0.002	R12-15-1
15	2	72	57	90	25	33.5	0.03	0.002	R12-15-2
15	3	72	57	135	38	50.3	0.03	0.002	R12-15-3
15	4	72	57	180	50	67	0.03	0.002	R12-15-4
15	5	72	57	180	-	67	0.03	0.002	R12-15-5
19	1	80	61	45	13	17.2	0.04	0.002	R12-19-1
19	2	80	61	90	25	34.4	0.04	0.002	R12-19-2
19	3	80	61	135	38	51.7	0.04	0.002	R12-19-3
19	4	80	61	180	50	68.9	0.04	0.002	R12-19-4
19	5	80	61	180	-	68.9	0.04	0.002	R12-19-5
25	1	92	67	45	13	17.7	0.04	0.002	R12-25-1
25	2	92	67	90	25	35.4	0.04	0.002	R12-25-2
25	3	92	67	135	38	53	0.04	0.002	R12-25-3
25	4	92	67	180	50	70.7	0.04	0.002	R12-25-4
25	5	92	67	180	-	70.7	0.04	0.002	R12-25-5
38	1	118	80	45	13	18.3	0.04	0.003	R12-38-1

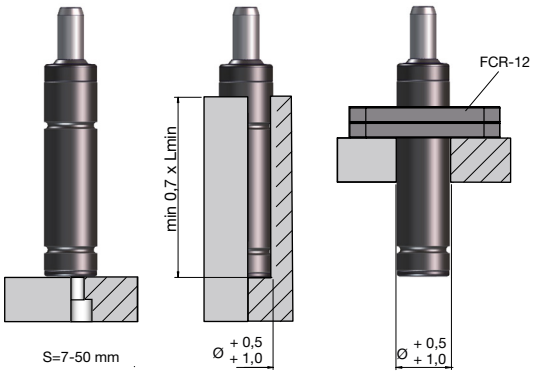


R12

Gas spring

S	Type	L ± 0.25	L min	bar	F1 [daN]	F2 [daN]	m [kg]	V [L]	Order No.
38	2	118	80	90	25	36.5	0.04	0.003	R12-38-2
38	3	118	80	135	38	54.8	0.04	0.003	R12-38-3
38	4	118	80	180	50	73	0.04	0.003	R12-38-4
38	5	118	80	180	-	73	0.04	0.003	R12-38-5
50	1	142	92	45	13	18.5	0.05	0.004	R12-50-1
50	2	142	92	90	25	37.1	0.05	0.004	R12-50-2
50	3	142	92	135	38	55.6	0.05	0.004	R12-50-3
50	4	142	92	180	50	74.2	0.05	0.004	R12-50-4
50	5	142	92	180	-	74.2	0.05	0.004	R12-50-5
63.5	1	172	108.5	45	13	19.7	0.06	0.005	R12-63.5-1
63.5	2	172	108.5	90	25	39.5	0.06	0.005	R12-63.5-2
63.5	3	172	108.5	135	38	59.2	0.06	0.005	R12-63.5-3
63.5	4	172	108.5	180	50	78.9	0.06	0.005	R12-63.5-4
63.5	5	172	108.5	180	-	78.9	0.06	0.005	R12-63.5-5
75	1	195	120	45	13	19.7	0.06	0.006	R12-75-1
75	2	195	120	90	25	39.4	0.06	0.006	R12-75-2
75	3	195	120	135	38	59.1	0.06	0.006	R12-75-3
75	4	195	120	180	50	78.8	0.06	0.006	R12-75-4
75	5	195	120	180	-	78.8	0.06	0.006	R12-75-5
80	1	205	125	45	13	20.7	0.07	0.006	R12-80-1
80	2	205	125	90	25	41.4	0.07	0.006	R12-80-2
80	3	205	125	135	38	62	0.07	0.006	R12-80-3
80	4	205	125	180	50	82.7	0.07	0.006	R12-80-4
80	5	205	125	180	-	82.7	0.07	0.006	R12-80-5
100	1	245	145	45	13	20.4	0.07	0.008	R12-100-1
100	2	245	145	90	25	40.9	0.07	0.008	R12-100-2
100	3	245	145	135	38	61.3	0.07	0.008	R12-100-3
100	4	245	145	180	50	81.7	0.07	0.008	R12-100-4
100	5	245	145	180	-	81.7	0.07	0.008	R12-100-5
125	1	295	170	45	13	20.2	0.09	0.010	R12-125-1
125	2	295	170	90	25	40.5	0.09	0.010	R12-125-2
125	3	295	170	135	38	60.7	0.09	0.010	R12-125-3
125	4	295	170	180	50	81	0.09	0.010	R12-125-4
125	5	295	170	180	-	81	0.09	0.010	R12-125-5

INSTALLATION VARIANTS



Technical information	
Pressure medium	N_2
Max. filling pressure (at 20 °C)	180 bar
Min. filling pressure (at 20 °C)	20 bar
Operating temperature	0 °C - 80 °C
Force increase by temperature	0,3 % / 1 °C
Max. piston rod velocity	1,6 m/s
Recommended max strokes / min (at 20° C)	~ 40 - 100
Repair kit	-

D 3002B 03.2025