



Gas Spring HEAVY DUTY

- Temperature upto 80°C

Gas spring HEAVY DUTY

Note:

Initial spring force at 150 bar = 740 daN

Order No for spare parts kit: 2488.13.00750

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

Working temperature: 0°C to +80°C

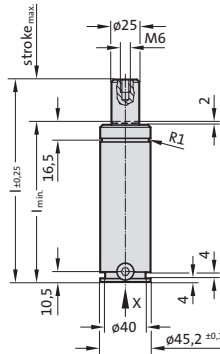
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

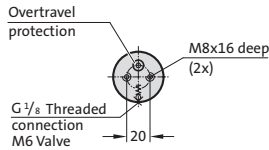
approx. 15 to 100 (at 20°C)

Max. piston speed: 1.6 m/s

2488.13.00750.



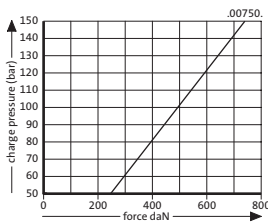
View X



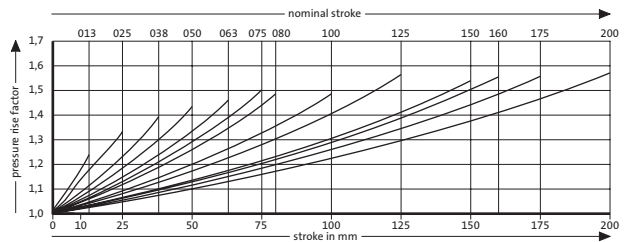
2488.13.00750. Gas spring HEAVY DUTY

Order No	Stroke _{max}	l _{min}	l
2488.13.00750.013	13	98	111
2488.13.00750.025	25	110	135
2488.13.00750.038	38	123	161
2488.13.00750.050	50	135	185
2488.13.00750.063	63	148	211
2488.13.00750.075	75	160	235
2488.13.00750.080	80	165	245
2488.13.00750.100	100	185	285
2488.13.00750.125	125	210	335
2488.13.00750.150	150	235	385
2488.13.00750.160	160	245	405
2488.13.00750.175	175	260	435
2488.13.00750.200	200	285	485

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!

Gas spring HEAVY DUTY

Note:

Initial spring force at 150 bar = 920 daN

Order No for spare parts kit: 2488.13.01000

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

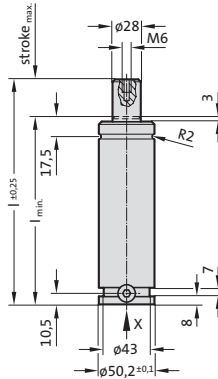
Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

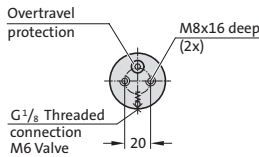
Max. recommended extensions per minute: approx. 15 to 100 (at 20°C)

Max. piston speed: 1.6 m/s

2488.13.01000.



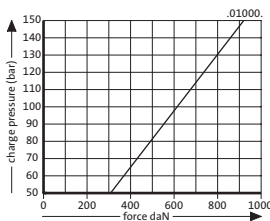
View X



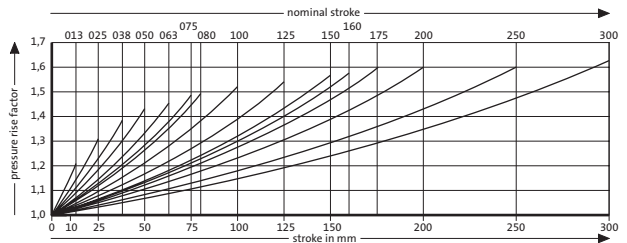
2488.13.01000. Gas spring HEAVY DUTY

Order No	Stroke _{max}	l _{min}	l
2488.13.01000.013	13	108	121
2488.13.01000.025	25	120	145
2488.13.01000.038	38	133	171
2488.13.01000.050	50	145	195
2488.13.01000.063	63	158	221
2488.13.01000.075	75	170	245
2488.13.01000.080	80	175	255
2488.13.01000.100	100	195	295
2488.13.01000.125	125	220	345
2488.13.01000.150	150	245	395
2488.13.01000.160	160	255	415
2488.13.01000.175	175	270	445
2488.13.01000.200	200	295	495
2488.13.01000.250	250	345	595
2488.13.01000.300	300	395	695

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!

Gas spring HEAVY DUTY

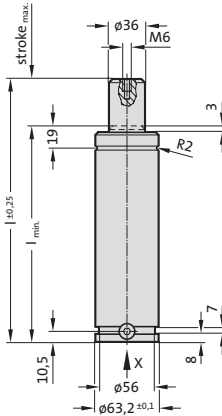
Note:

Initial spring force at 150 bar = 1500 daN

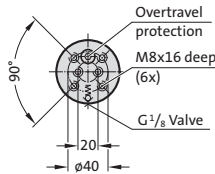
Order No for spare parts kit: 2488.13.01500

Pressure medium: Nitrogen N₂
 Max. filling pressure: 150 bar
 Min. filling pressure: 25 bar
 Working temperature: 0°C to +80°C
 Temperature related force increase: ± 0.3%/°C
 Max. recommended extensions per minute:
 approx. 15 to 100 (at 20°C)
 Max. piston speed: 1.6 m/s

2488.13.01500.



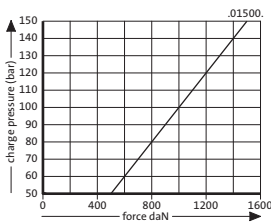
View X



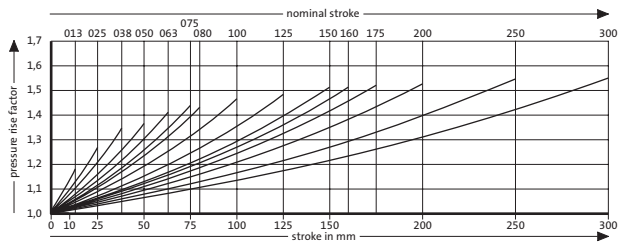
2488.13.01500. Gas spring HEAVY DUTY

Order No	Stroke _{max.}	I _{min.}	I
2488.13.01500.013	13	108	121
2488.13.01500.025	25	120	145
2488.13.01500.038	38	133	171
2488.13.01500.050	50	145	195
2488.13.01500.063	63	158	221
2488.13.01500.075	75	170	245
2488.13.01500.080	80	175	255
2488.13.01500.100	100	195	295
2488.13.01500.125	125	220	345
2488.13.01500.150	150	245	395
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Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



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