

GAS SPRING HEAVY DUTY

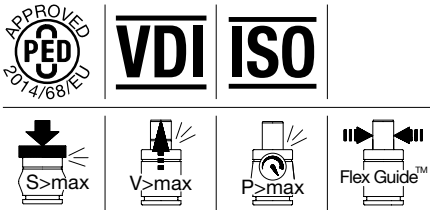
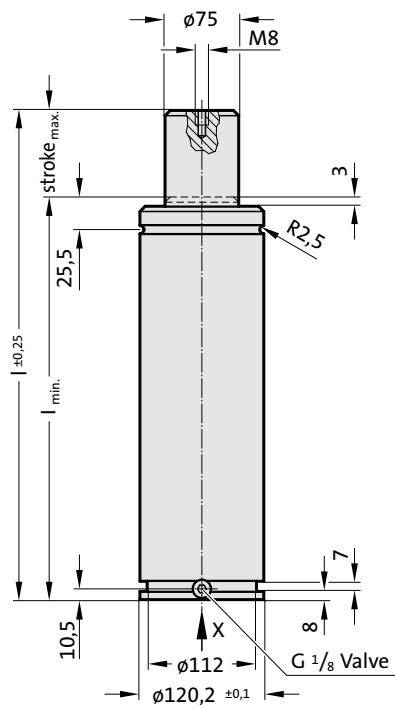
Note:
Initial spring force at 150 bar = 6600 daN

Order No for spare parts kit: 2488.13.06600

Gas spring without valve
Order No (example): 2488.13.06600. .P

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

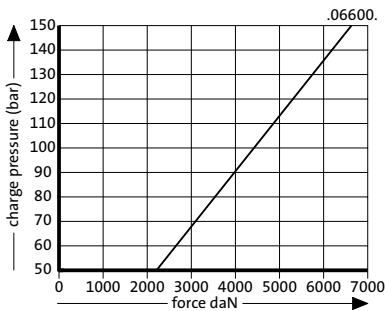
2488.13.06600.



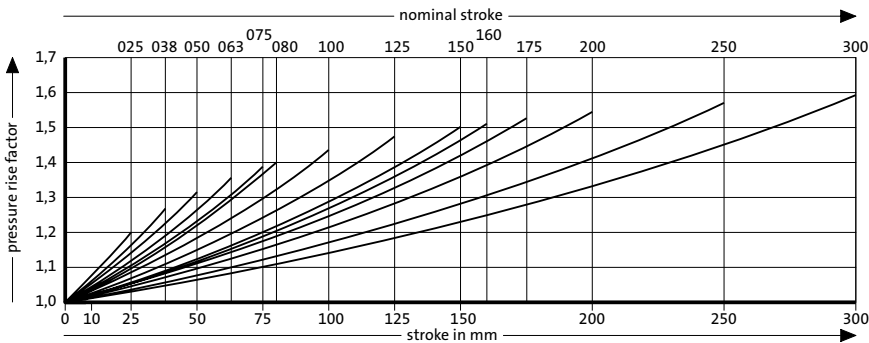
2488.13.06600.
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Order No	Stroke _{max.} (s)	l _{min.}	l
2488.13.06600.025	25	165	190
2488.13.06600.038	38	178	216
2488.13.06600.050	50	190	240
2488.13.06600.063	63	203	266
2488.13.06600.075	75	215	290
2488.13.06600.080	80	220	300
2488.13.06600.100	100	240	340
2488.13.06600.125	125	265	390
2488.13.06600.150	150	290	440
2488.13.06600.160	160	300	460
2488.13.06600.175	175	315	490
2488.13.06600.200	200	340	540
2488.13.06600.250	250	390	640
2488.13.06600.300	300	440	740

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!