GAS SPRING, STANDARD

Note:
Initial spring force at 150 bar = 7500 daN

Order No for spare parts kit: 2480.13.07500
Order No for spare parts kit: to Renault standard EM24.54.700 2480.13.07500.R

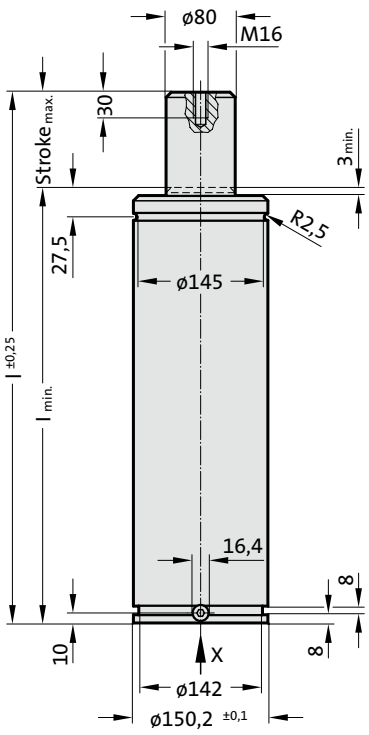
Gas spring without valve
Order No (example): 2480.13.07500. .P

Gas spring to Renault standard EM24.54.700
Order No (example): 2480.13.07500. .R
Gas spring to Renault standard EM24.54.700 without valve
Order No (example): 2480.13.07500. .R.P

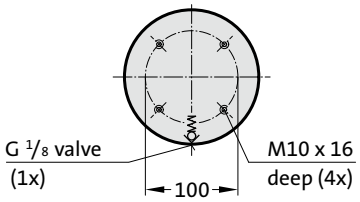
1) Special stroke lengths
Not for gas springs to Renault Standard EM24.54.700.

Pressure medium: Nitrogen N_2
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 40 (at 20°C)
Max. piston speed: 1.6 m/s
for 2480. ... .R: 2.0 m/s

2480.13.07500.



View X - Gas spring



APPROVED PED 2014/68/EU | VDI | ISO

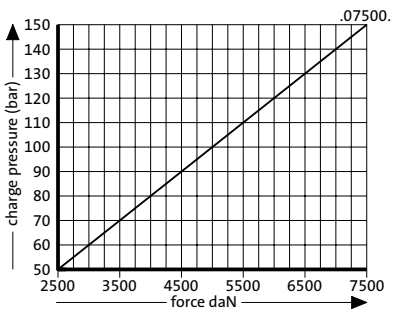
S>max | V>max | P>max | Flex Guide™

2480.13.07500.

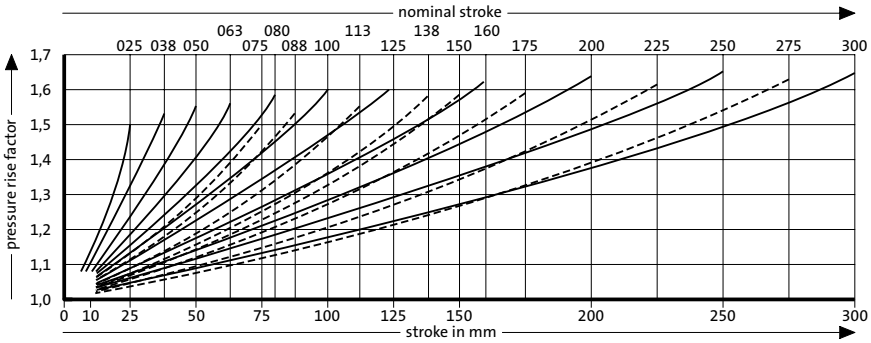
Gas spring, Standard

Order No	Stroke$_{max.}$ (s)	$l_{min.}$	l
2480.13.07500.025	25	180	205
2480.13.07500.038	38.1	193.1	231.2
2480.13.07500.050	50	205	255
2480.13.07500.063	63.5	218.5	282
2480.13.07500.075 1)	75	230	305
2480.13.07500.080	80	235	315
2480.13.07500.088 1)	87.5	242.5	330
2480.13.07500.100.	100	255	355
2480.13.07500.113. 1)	112.5	267.5	380
2480.13.07500.125.	125	280	405
2480.13.07500.138. 1)	137.5	292.5	430
2480.13.07500.150. 1)	150	305	455
2480.13.07500.160.	160	315	475
2480.13.07500.175. 1)	175	330	505
2480.13.07500.200.	200	355	555
2480.13.07500.225. 1)	225	380	605
2480.13.07500.250.	250	405	655
2480.13.07500.275. 1)	275	430	705
2480.13.07500.300.	300	455	755

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!