

TPSRS

TPNS

TPHT



Storage cylinders

Code	Strokes mm	Fa daN	
TPSRS 3000	100 - 300	3000	✓
TPSRS 5000	100 - 300	5000	✓
TPSRS 7500	100 - 300	7500	✓

As with our TPSR series (delayed ascent gas springs), the TPSRS series allows us to control the expansion speed of the stem once the gas spring has been compressed. This delayed ascent is extremely slow (1 / 5 mm per second). This makes this series an ideal option for die set storage operations.

MICRO These gas springs only expand for a small fraction of the stroke (see diagram 3).

TITAN

TPH

TPS

TPSP

TPF

TPK

TPC

TPR

TPB

TPHC

TPA

TPG

TPCT

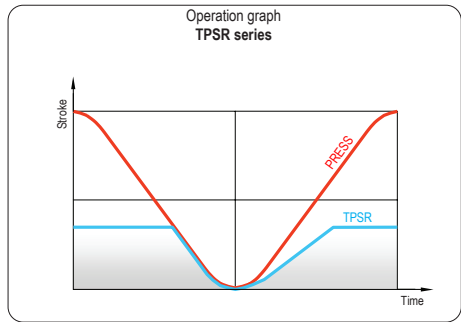
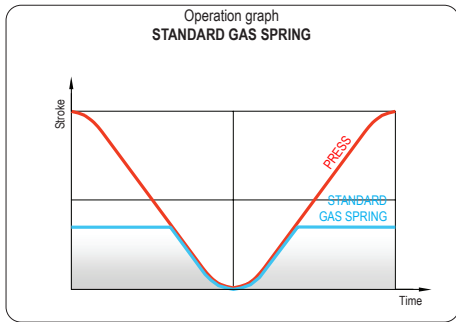
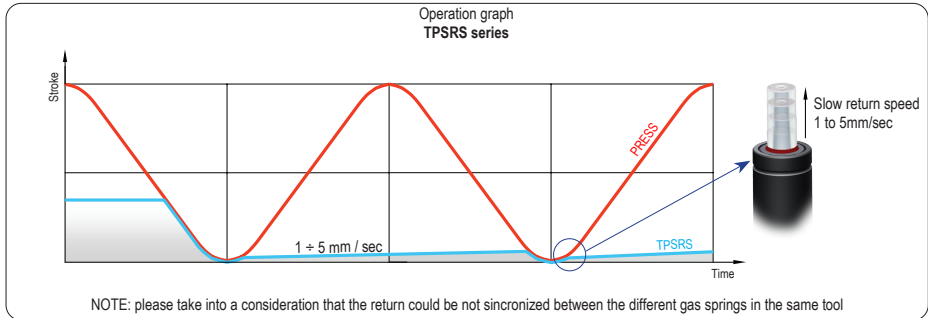
TPSL

STOP CYLINDER


STOP CYLINDER

TPSR

TPSRS






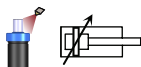
- ### ADVANTAGES
- ▶ Exceptionally long service-life
 - ▶ ISO norm dimensions
 - ▶ High frequency of use 30 / 60 spm
 - ▶ Low working temperatures
 - ▶ Optional use of shield scrapers


- ### CHARACTERISTICS
- ▶ 3-ton, 5-ton and 7.5-ton forces
 - ▶ Working rate from 100 to 300 m
 - ▶ Great variety of assembly options
 - ▶ VDI Safety 

i Pressure medium **Gas Nitrógeno (N₂)**

Max. charging pressure	150 Bar
Min. charging pressure	50 Bar
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s

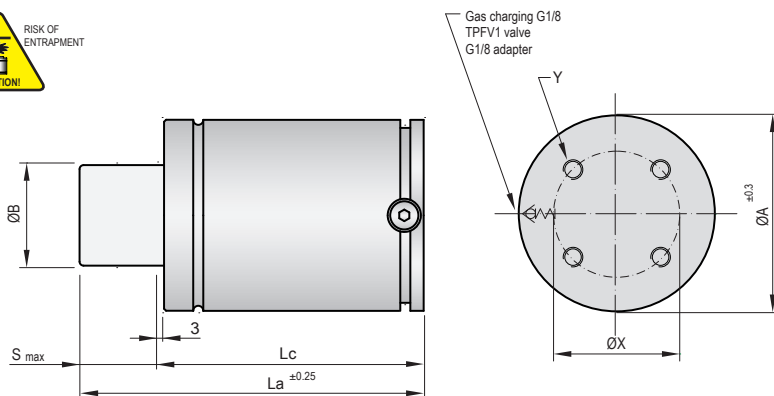
VDI SAFETY  



Maintenance kit TPSRS 3000	Kit SRS3000
Maintenance kit TPSRS 5000	Kit SRS5000
Maintenance kit TPSRS 7500	Kit SRS7500

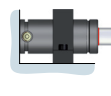
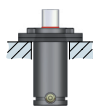


Code	Smax mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	Ø A mm	Ø B mm	Ø X mm	Y
TPSRS 3000x100.1	100	320	220	3000 ±5% (20°C)	≈ 4340	150 (20°C)	95	50	60	4 x M8
TPSRS 3000x125.1	125	370	245							
TPSRS 3000x160.1	160	440	280							
TPSRS 3000x200.1	200	520	320							
TPSRS 3000x250.1	250	620	370							
TPSRS 3000x300.1	300	720	420							
TPSRS 5000x100.1	100	340	240	5000 ±5% (20°C)	≈ 8115	120	65	80	4 x M10	
TPSRS 5000x125.1	125	390	265							
TPSRS 5000x160.1	160	460	300							
TPSRS 5000x200.1	200	540	340							
TPSRS 5000x250.1	250	640	390							
TPSRS 5000x300.1	300	740	440							
TPSRS 7500x100.1	100	355	255	7500 ±5% (20°C)	≈ 12150	150	80	100	4 x M10	
TPSRS 7500x125.1	125	405	280							
TPSRS 7500x160.1	160	475	315							
TPSRS 7500x200.1	200	555	355							
TPSRS 7500x250.1	250	655	405							
TPSRS 7500x300.1	300	755	455							



NOTE: These gas-springs could not have synchronized return speed.

Assembly possibilities



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