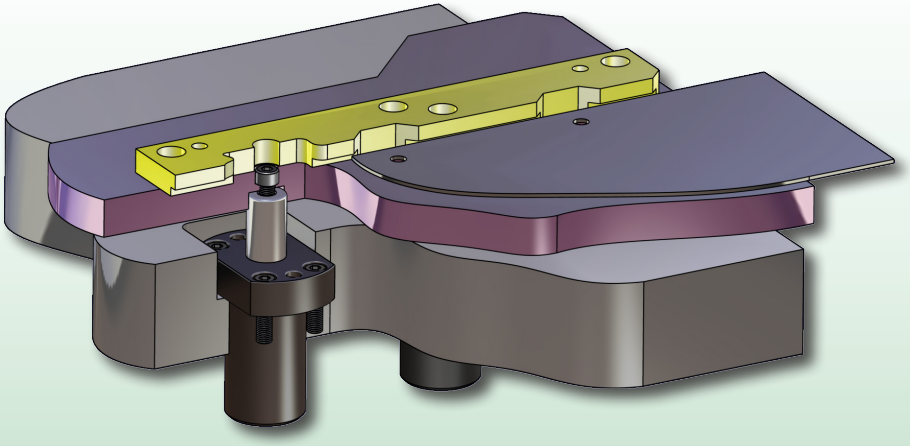
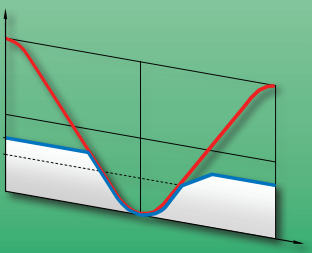






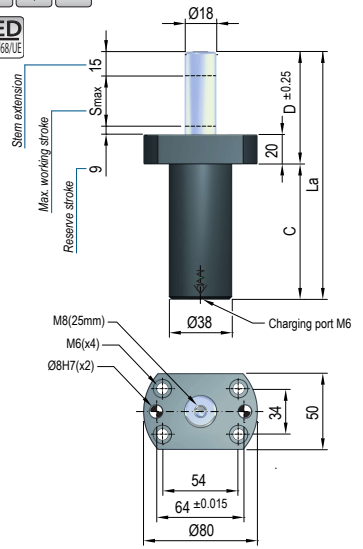
► Special cushioning feature

Gas spring lifters

Code	ØBody mm	Strokes mm	Fa daN	
TPSL 100	38	25 - 125	100	
TPSL 250	50	38 - 200	250	
TPSLR 250	50	50 - 200	250	✓

VDI SAFETY

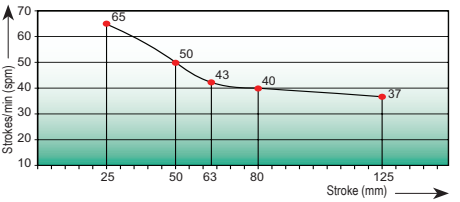
PED 2014/68/UE



Pressure medium	Nitrogen (N_2)
Max. charging pressure	50 Bar
Min. charging pressure	25 Bar
Rod seal area	2,54 cm^2
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	1,6 m/s
Maintenance kit	Kit SL100



Maximum strokes / minute

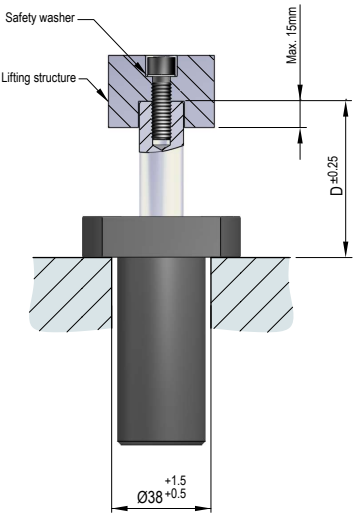


Code	Smax mm	La mm	C mm	D mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l
TPSL 100x25	25	135	66	69	100 ±5% (20ºC)	140	150	40 (20ºC)	0,020
TPSL 100x50	50	185	91	94		130	135		0,040
TPSL 100x63	63	211	104	107		130	135		0,051
TPSL 100x80	80	245	121	124		130	135		0,064
TPSL 100x125	125	335	166	169		125	130		0,101

(Other strokes under order)

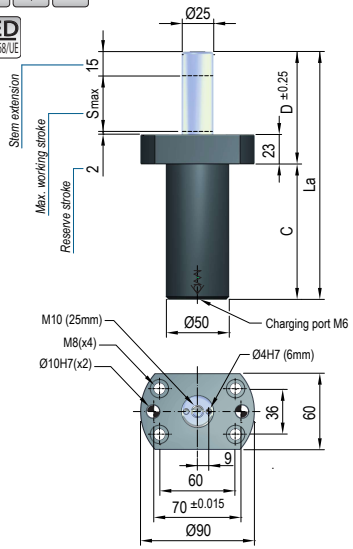
Mounting example

The stem is an extra 15mm long to facilitate attachment to the lifting structure.



VDI SAFETY

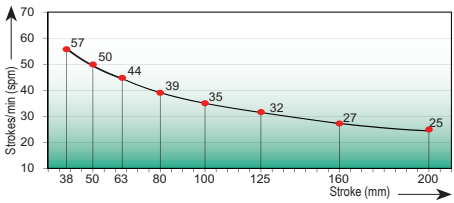
PED 2014/68/UE



Pressure medium	Nitrogen (N_2)
Max. charging pressure	50 Bar
Min. charging pressure	25 Bar
Rod seal area	4,91 cm^2
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	1,6 m/s
Maintenance kit	Kit SL250



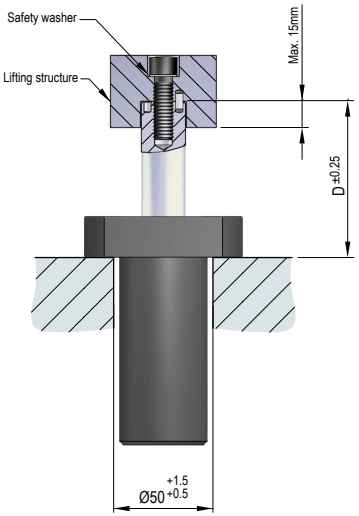
Maximum strokes / minute



Code	Smax mm	La mm	C mm	D mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l
TPSL 250x38	38	173	95	78		370	390		0,050
TPSL 250x50	50	197	107	90		370	395		0,065
TPSL 250x63	63	223	120	103		370	395		0,082
TPSL 250x80	80	257	137	120	250 ±5%	375	395	50	0,103
TPSL 250x100	100	297	157	140	(20ºC)	375	400	(20ºC)	0,128
TPSL 250x125	125	347	182	165		375	400		0,160
TPSL 250x160	160	417	217	200		375	400		0,204
TPSL 250x200	200	497	257	240		375	400		0,254

(Other strokes under order)

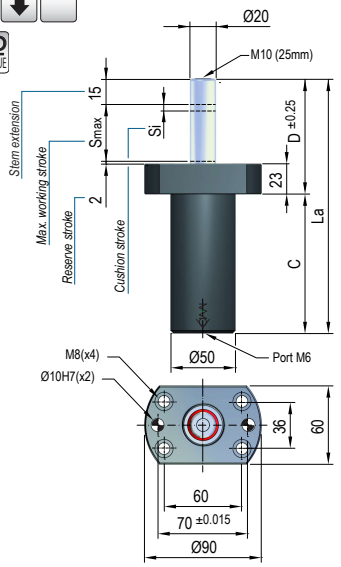
Mounting example



The stem is an extra 15mm long to facilitate attachment to the lifting structure.

VDI SAFETY

PED 2014/68/UE

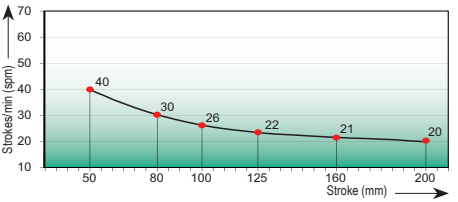


Pressure medium	Nitrogen (N_2)
Max. charging pressure	80 Bar
Min. charging pressure	25 Bar
Rod seal area	3,14 cm²
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	1,2 m/s
Maintenance kit	Kit SLR250





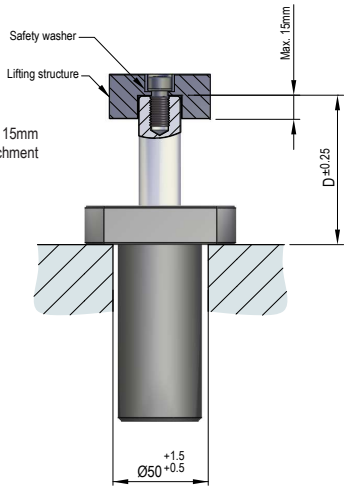
Maximum strokes / minute



Code	Smax mm	La mm	C mm	D mm	Si mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l
TPSLR 250x50	50	230	140	90	15	250 ±5% (20ºC)	320	330	80 (20ºC)	0,065
TPSLR 250x80	80	290	170	120			320	330		0,103
TPSLR 250x100	100	330	190	140			320	335		0,128
TPSLR 250x125	125	380	215	165			325	335		0,160
TPSLR 250x160	160	450	250	200			325	335		0,204
TPSLR 250x200	200	530	290	240			325	335		0,254

(Other strokes under order)

Mounting example



The stem is an extra 15mm long to facilitate attachment to the lifting structure.

Special cushioning feature

TPSLR 250 gas springs are equipped with a final 15mm cushion stroke, for shock absorption purposes.

