PED 2014/68/UE



EXTRA POWER

Gasdruckfedern mit maximaler Kraft. Kolbenstangendichtung

Code	ØBody mm	Strokes mm	Fa daN		VDI SAFETY	
TPH 320	25	10 - 80	320	√	√	
TPH 470	32	13 - 50	470	√	√	
TPH 500	32	10 - 80	500	√	√	
TPH 570	32	13 - 50	570	√	√	
TPH 850.1	38	12 - 80	850	√	√	
TPH 850.1C	38	12 - 80	850	√	√	√
TPH 1000.1	38	10 - 80	1000	√	√	
TPH 1000.1C	38	10 - 80	1000	√	√	√
TPH 1250.1	45	12 - 80	1250	√	√	
TPH 1250.1C	45	12 - 80	1250	√	√	√
TPH 1700.1	50	12 - 80	1700	√	√	
TPH 1700.1C	50	12 - 80	1700	√	√	√
TPH 2000.1	50	15 - 80	1925	√	√	
TPH 2000.1C	50	15 - 80	1925	√	√	√
TPH 2800.1	63	12 - 80	2800	√	√	
TPH 2800.1C	63	12 - 80	2800	√	√	√
TPH 4300.1	75	12 - 80	4300	√	√	
TPH 4300.1C	75	12 - 80	4300	√	√	√

Pieper Normteile

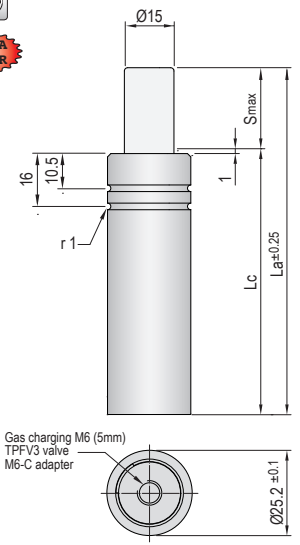
Ø25mm
320daN

TPH 320

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

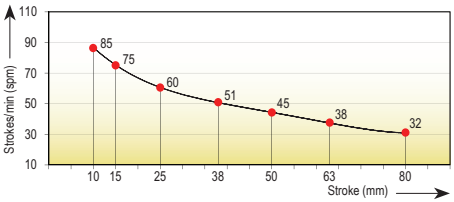


Pressure medium	Nitrogen (N_2)
Max. charging pressure	170 Bar
Min. charging pressure	30 Bar
Rod seal area	1,77 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit M25V1



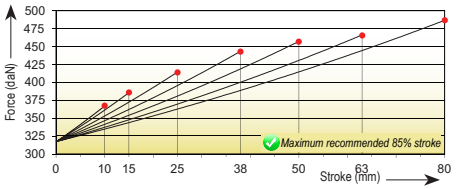


Maximum strokes / minute (at 20°C)

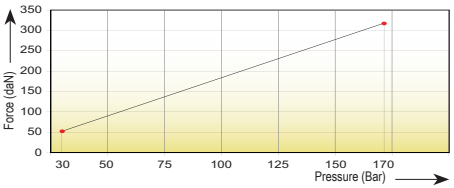


Code	Smax mm	La mm	Lc mm	Fa daN	F 85% daN	Fc 100% daN	P Bar	V l	Kg
TPH 320x10	10	75	65	320 ±5% (20°C)	360	365	170 (20°C)	0,013	0,17
TPH 320x15	15	85	70		375	385		0,015	0,18
TPH 320x25	25	105	80		395	415		0,019	0,22
TPH 320x38	38	130	92		420	445		0,024	0,25
TPH 320x50	50	155	105		430	455		0,029	0,27
TPH 320x63	63	185	122		435	465		0,035	0,32
TPH 320x80	80	220	140		450	485		0,041	0,37

Force/stroke ratio



Initial force/charging pressure ratio



Einbaumöglichkeiten

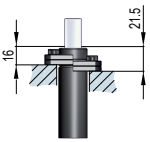
Hinweise beachten
Seite 287



DROP-IN



SCREWS



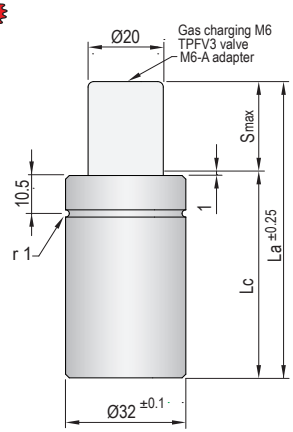
FS 25/1 · FS 25/2

Pieper Normteile GmbH +++ www.pieper-normteile.de +++
Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

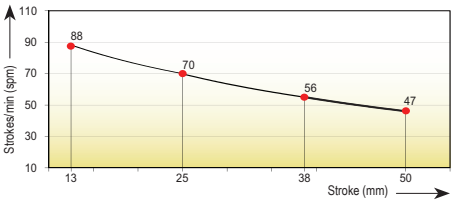


Pressure medium	Nitrogen (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	3,14 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit H470



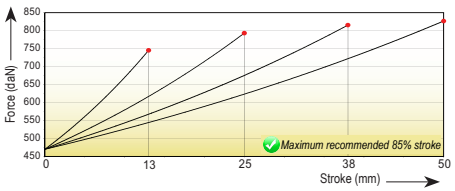


Maximum strokes / minute (at 20°C)

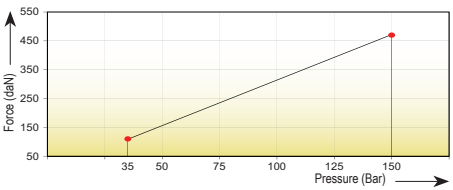


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 470x13	13	58	45	470 ±5% (20°C)	685	745	150 (20°C)	0,011	0,20
TPH 470x25	25	82	57		720	795		0,019	0,24
TPH 470x38	38	108	70		735	815		0,028	0,27
TPH 470x50	50	132	82		745	830		0,036	0,32

Force/stroke ratio



Initial force/charging pressure ratio

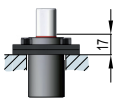


Einbaumöglichkeiten

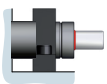
Hinweise beachten
Seite 287



DROP-IN



FS 32
FS 32/1·FSC 32

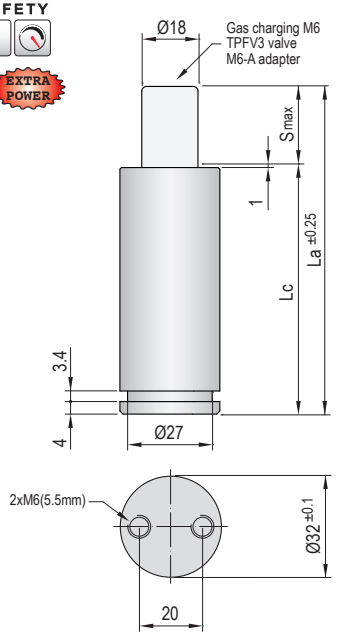


FI 32 · FI 32/1

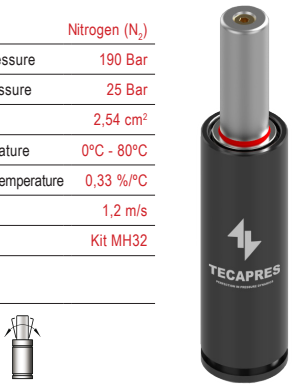
VDI SAFETY

PED 2014/68/UE

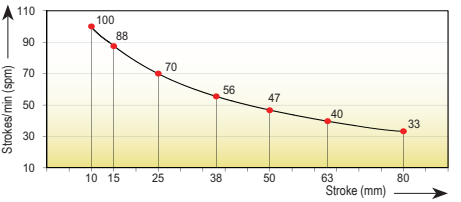
EXTRA POWER



Pressure medium	Nitrogen (N_2)
Max. charging pressure	190 Bar
Min. charging pressure	25 Bar
Rod seal area	2,54 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,2 m/s
Maintenance kit	Kit MH32

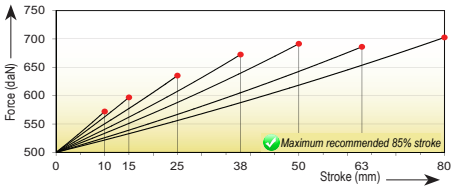


Maximum strokes / minute (at 20°C)

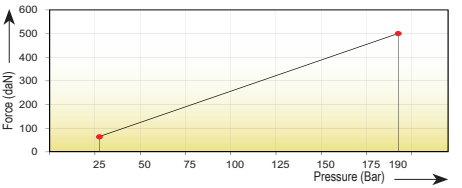


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 500x10	10	75	65		560	570		0,020	0,18
TPH 500x15	15	85	70		580	595		0,024	0,20
TPH 500x25	25	105	80		610	635		0,030	0,25
TPH 500x38	38	130	92		640	670		0,038	0,28
TPH 500x38B	38	135	97	500 ±5%	625	655	190	0,040	0,30
TPH 500x50	50	155	105	(20°C)	650	690	(20°C)	0,046	0,33
TPH 500x50B	50	160	110		640	675		0,049	0,36
TPH 500x63	63	190	127		650	685		0,059	0,40
TPH 500x63B	63	195	132		640	675		0,062	0,42
TPH 500x80	80	225	145		660	700		0,071	0,45

Force/stroke ratio



Initial force/charging pressure ratio



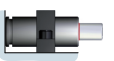
Einbaumöglichkeiten

Hinweise beachten
Seite 287


DROP-IN


SCREWS


FP 32·FP 32R


FI 32·FI 32/1

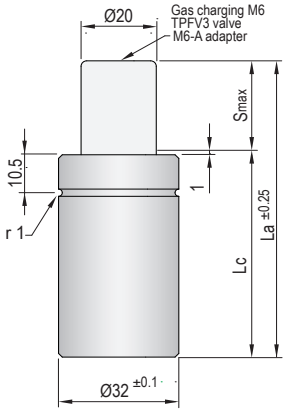
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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

Ø32mm 570daN TPH 570

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

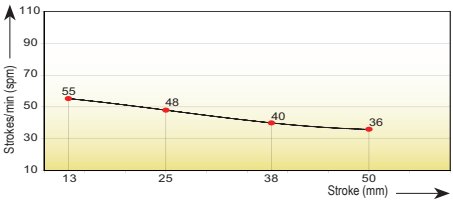


Pressure medium	Nitrogen (N_2)
Max. charging pressure	180 Bar
Min. charging pressure	35 Bar
Rod seal area	3,14 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit H570



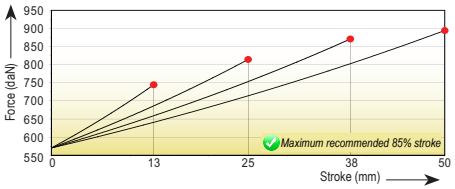


Maximum strokes / minute (at 20°C)

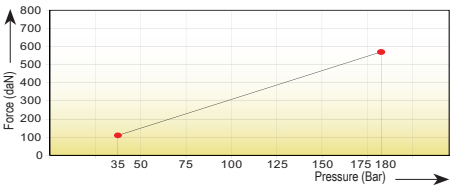


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 570x13	13	70	57	570 ±5% (20°C)	705	740	180 (20°C)	0,017	0,22
TPH 570x25	25	95	70		760	810		0,026	0,25
TPH 570x38	38	120	82		800	865		0,035	0,29
TPH 570x50	50	145	95		820	885		0,043	0,33

Force/stroke ratio



Initial force/charging pressure ratio

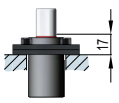


Einbaumöglichkeiten

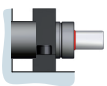
Hinweise beachten Seite 287



DROP-IN



FS 32
FS 32/1·FSC 32

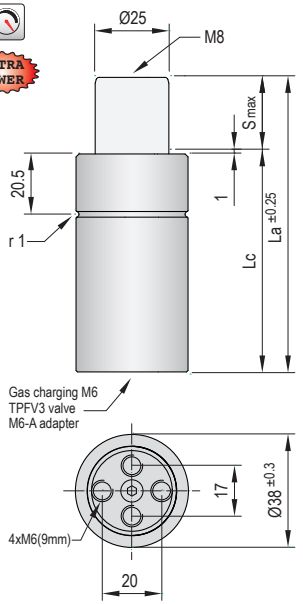


FI 32 · FI 32/1

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

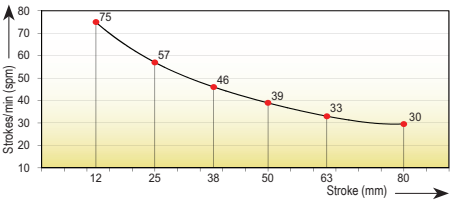


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H850.1



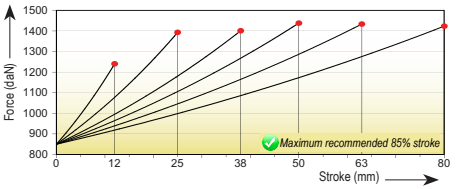


Maximum strokes / minute (at 20°C)

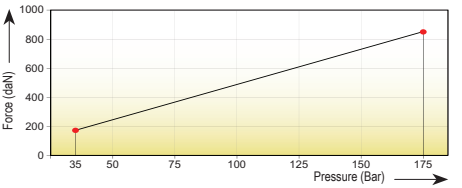


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 850x12.1	12	74	62		1175	1255		0,019	0,40
TPH 850x25.1	25	100	75		1285	1405		0,031	0,45
TPH 850x38.1	38	130	92	850 ±5%	1290	1415	175	0,047	0,52
TPH 850x50.1	50	155	105	(20°C)	1315	1455	(20°C)	0,060	0,64
TPH 850x63.1	63	185	122		1315	1450		0,076	0,75
TPH 850x80.1	80	225	145		1305	1440		0,098	0,86

Force/stroke ratio

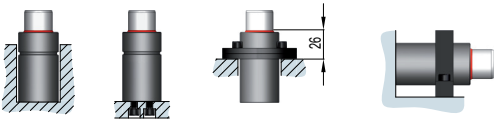


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
Seite 287



DROP-IN | SCREWS | FS 38·FSC 38 | FI 38·FI 38/1

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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

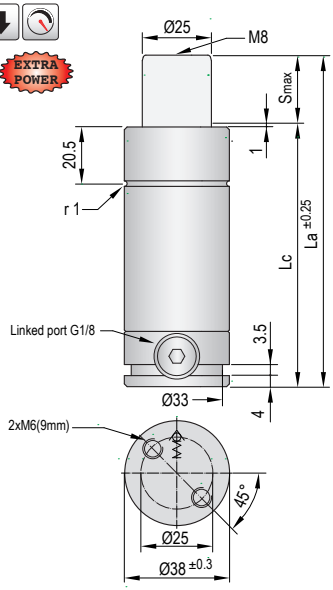
Ø38mm · G1/8 anschließbar
850daN

TPH 850.1 C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

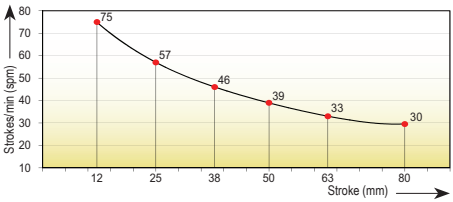


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC850.1





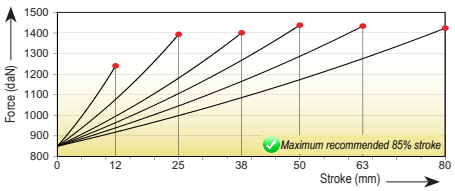
Maximum strokes / minute (at 20°C)



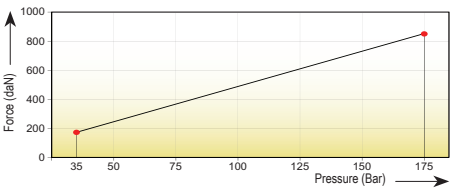
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 850x12.1 C	12	94	82		1175	1255		0,019	0,60
TPH 850x25.1 C	25	120	95		1285	1405		0,031	0,65
TPH 850x38.1 C	38	150	112	850 ±5%	1290	1415	175	0,047	0,72
TPH 850x50.1 C	50	175	125	(20°C)	1315	1455	(20°C)	0,060	0,84
TPH 850x63.1 C	63	205	142		1315	1450		0,076	0,95
TPH 850x80.1 C	80	245	165		1305	1440		0,098	1,06

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

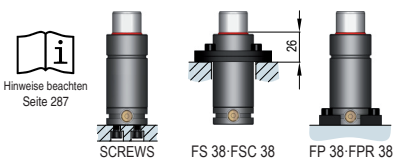
Force/stroke ratio



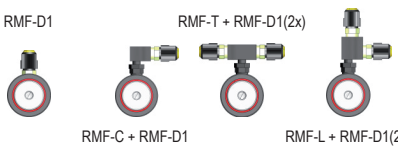
Initial force/charging pressure ratio



Einbaumöglichkeiten



Anschlussmöglichkeiten



Pieper Normteile

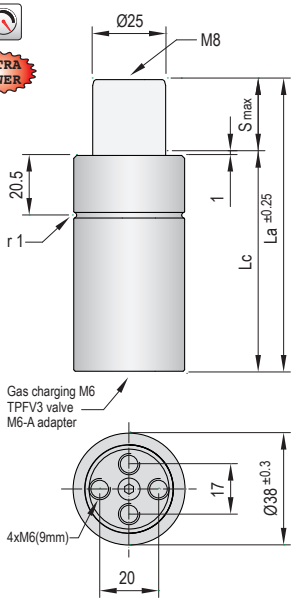
Ø38mm
1000daN

TPH 1000.1

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

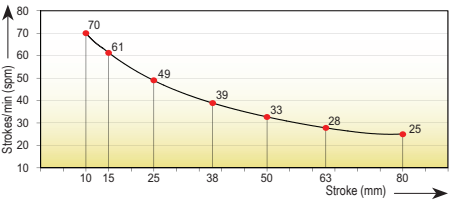


Pressure medium	Nitrogen (N_2)
Max. charging pressure	190 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H1000.1



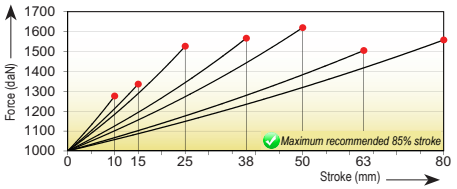


Maximum strokes / minute (at 20°C)

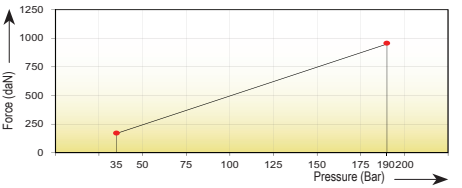


Code	Smax mm	La mm	Lc mm	Fa daN	F 85% daN	Fc 100% daN	P Bar	V l	Kg
TPH 1000x10.1	10	75	65	1000 ±5% (20°C)	1225	1280	190 (20°C)	0,023	0,35
TPH 1000x15.1	15	85	70		1275	1340		0,029	0,42
TPH 1000x25.1	25	105	80		1415	1530		0,035	0,50
TPH 1000x38.1	38	135	97		1445	1570		0,052	0,57
TPH 1000x50.1	50	160	110		1485	1620		0,064	0,69
TPH 1000x63.1	63	205	142		1400	1505		0,092	0,80
TPH 1000x80.1	80	240	160		1440	1560		0,110	0,91

Force/stroke ratio

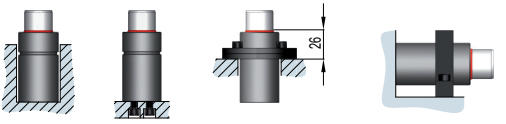


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
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DROP-IN | SCREWS | FS 38·FSC 38 | FI 38·FI 38/1

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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

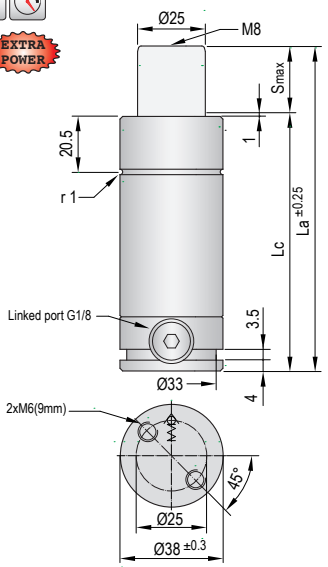
Ø38mm · G1/8 anschließbar
1000daN

TPH 1000.1 C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

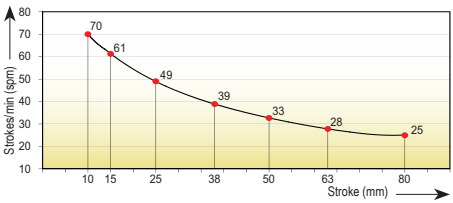


Pressure medium	Nitrogen (N_2)
Max. charging pressure	190 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC1000.1





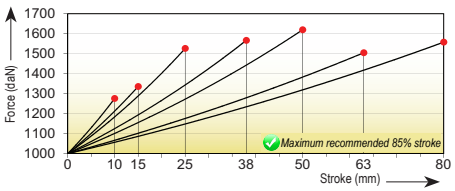
Maximum strokes / minute (at 20°C)



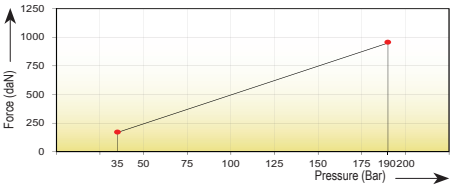
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 1000x10.1 C	10	95	85	1000 ±5% (20°C)	1225	1280	190 (20°C)	0,023	0,35
TPH 1000x15.1 C	15	105	90		1275	1340		0,029	0,42
TPH 1000x25.1 C	25	125	100		1415	1530		0,035	0,50
TPH 1000x38.1 C	38	155	117		1445	1570		0,052	0,57
TPH 1000x50.1 C	50	180	130		1485	1620		0,064	0,69
TPH 1000x63.1 C	63	225	162		1400	1505		0,092	0,80
TPH 1000x80.1 C	80	260	180		1440	1560		0,110	0,91

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

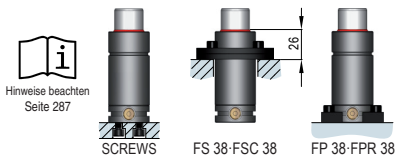
Force/stroke ratio



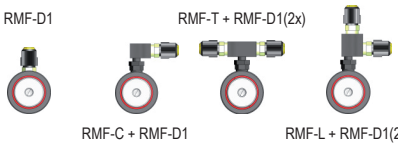
Initial force/charging pressure ratio



Einbaumöglichkeiten



Anschlussmöglichkeiten



Pieper Normteile

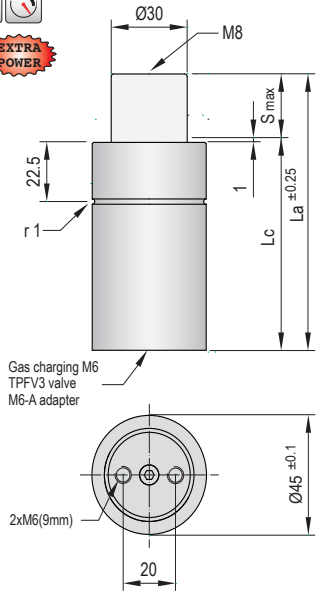
Ø45mm
1250daN

TPH 1250.1

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

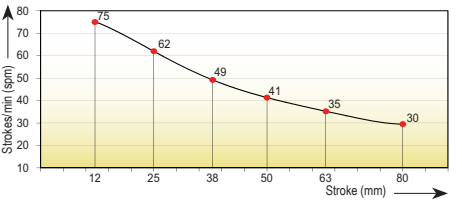


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	7,07 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H1250.1



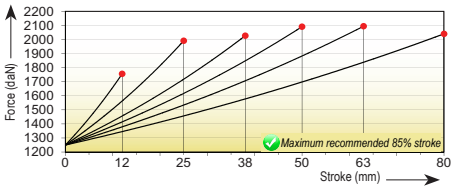


Maximum strokes / minute (at 20°C)

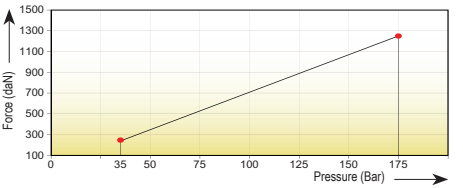


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 1250x12.1	12	79	67		1640	1740		0,029	0,62
TPH 1250x25.1	25	105	80		1810	1970		0,047	0,75
TPH 1250x38.1	38	135	97	1250 ±5%	1835	2005	175	0,070	0,83
TPH 1250x50.1	50	160	110	(20°C)	1880	2070	(20°C)	0,088	0,91
TPH 1250x63.1	63	190	127		1880	2075		0,110	1,10
TPH 1250x80.1	80	230	150		1845	2020		0,146	1,17

Force/stroke ratio

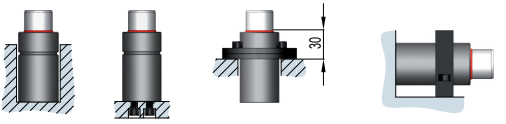


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
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DROP-IN SCREWS FS 45·FSC 45 FI 45·FI 45/1

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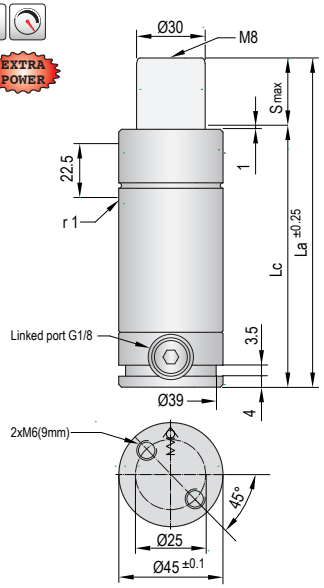
Ø45mm · G1/8 anschließbar
1250daN

TPH 1250.1 C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

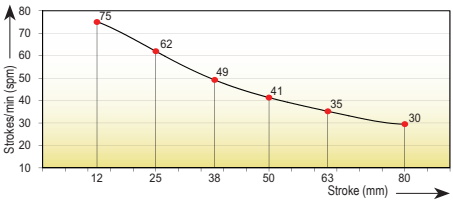


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	7,07 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC1250.1





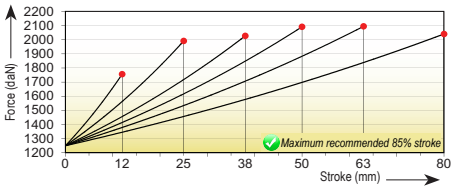
Maximum strokes / minute (at 20°C)



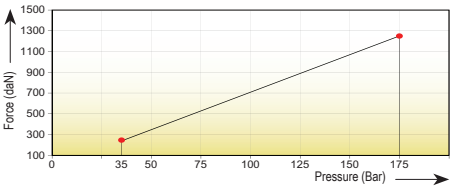
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 1250x12.1 C	12	99	87		1640	1740		0,029	0,82
TPH 1250x25.1 C	25	125	100		1810	1970		0,047	0,95
TPH 1250x38.1 C	38	155	117	1250 ±5%	1835	2005	175	0,070	1,03
TPH 1250x50.1 C	50	180	130	(20°C)	1880	2070	(20°C)	0,088	1,15
TPH 1250x63.1 C	63	210	147		1880	2075		0,110	1,30
TPH 1250x80.1 C	80	250	170		1845	2020		0,146	1,27

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

Force/stroke ratio

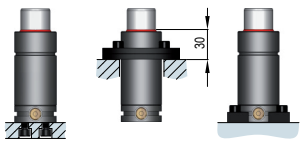


Initial force/charging pressure ratio



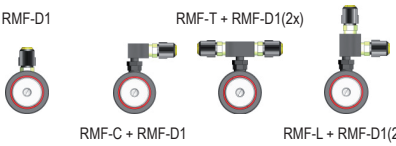
Einbaumöglichkeiten

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SCREWS FS 45·FSC 45 FP 45·FPR 45

Anschlussmöglichkeiten



Pieper Normteile

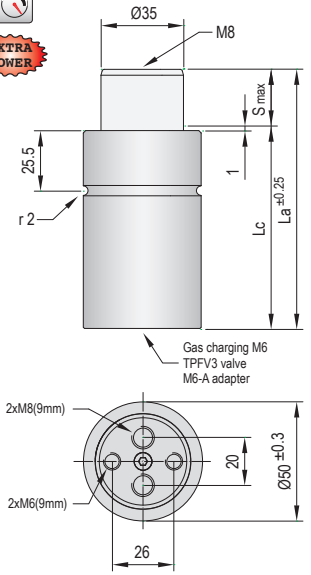
Ø50mm
1700daN

TPH 1700.1

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

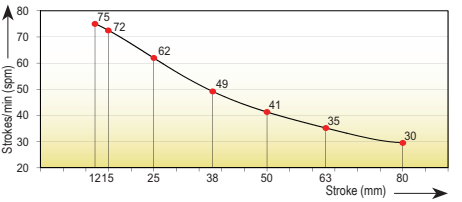


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	9,62 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H1700.1



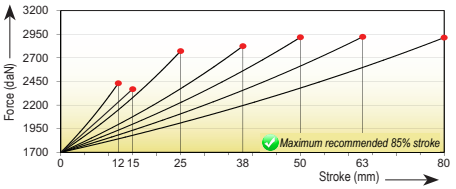


Maximum strokes / minute (at 20°C)

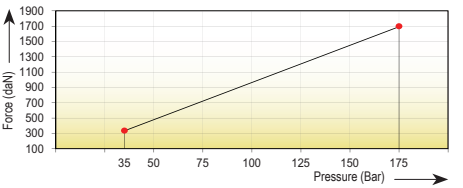


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 1700x12.1	12	84	72		2260	2410		0,039	0,82
TPH 1700x15.1	15	95	80		2215	2345		0,051	0,86
TPH 1700x25.1	25	110	85		2510	2745		0,062	0,91
TPH 1700x25B.1	25	115	90	1700 ±5%	2385	2575	175	0,069	1,00
TPH 1700x38.1	38	140	102	(20°C)	2545	2795	(20°C)	0,092	1,12
TPH 1700x50.1	50	165	115		2610	2890		0,115	1,25
TPH 1700x63.1	63	195	132		2615	2895		0,145	1,35
TPH 1700x80.1	80	235	155		2605	2885		0,185	1,48

Force/stroke ratio

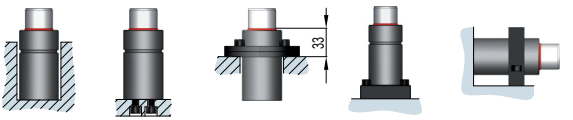


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
Seite 287



DROP-IN | SCREWS | FS 50·FSC 50 | FB 45·FB 50 | FI 50·FI 50/1

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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

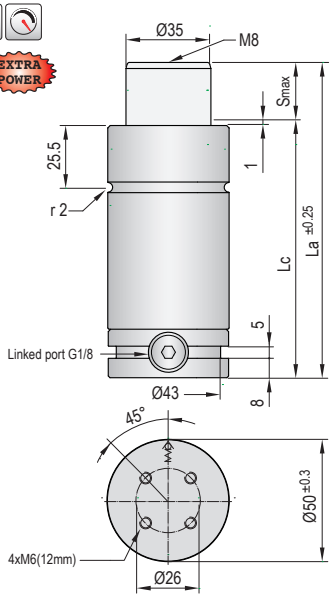
Ø50mm · G1/8 anschließbar
1700daN

TPH 1700.1 C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

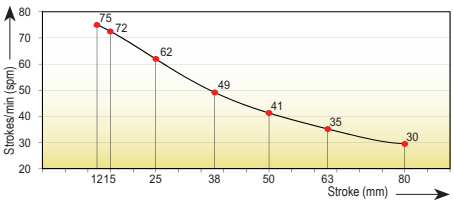


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	9,62 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC1700.1





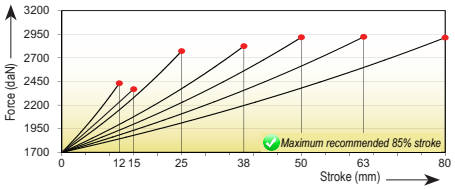
Maximum strokes / minute (at 20°C)



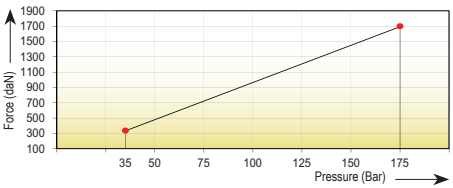
Code	Smax mm	La mm	Lc mm	Fa daN	F 85% daN	Fc 100% daN	P Bar	V l	Kg
TPH 1700x12.1 C	12	104	92		2260	2410		0,039	1,12
TPH 1700X15.1 C	15	115	100		2215	2345		0,051	1,16
TPH 1700x25.1 C	25	130	105		2510	2745		0,062	1,21
TPH 1700x25B.1 C	25	135	110	1700 ±5%	2385	2575	175	0,069	1,30
TPH 1700x38.1 C	38	160	122	(20°C)	2545	2795	(20°C)	0,092	1,42
TPH 1700x50.1 C	50	185	135		2610	2890		0,115	1,55
TPH 1700x63.1 C	63	215	152		2615	2895		0,145	1,65
TPH 1700x80.1 C	80	255	175		2605	2885		0,185	1,78

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

Force/stroke ratio

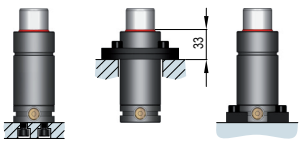


Initial force/charging pressure ratio



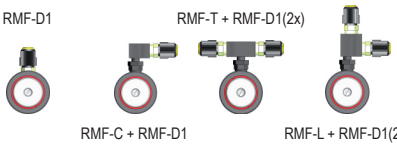
Einbaumöglichkeiten

Hinweise beachten Seite 287



SCREWS | FS 50·FSC 50 | FP 50·FPR 50

Anschlussmöglichkeiten



Pieper Normteile

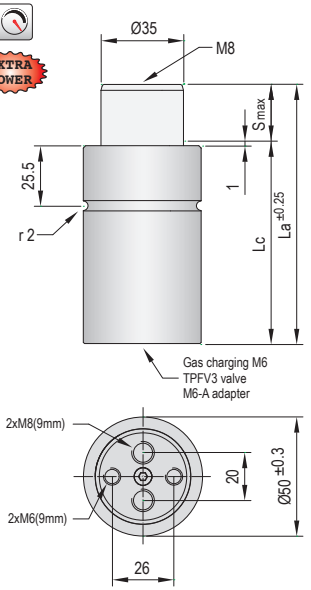
Ø50mm
1925daN

TPH 2000.1

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

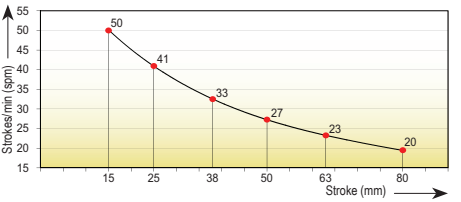


Pressure medium	Nitrogen (N_2)
Max. charging pressure	195 Bar
Min. charging pressure	35 Bar
Rod seal area	9,62 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H2000.1



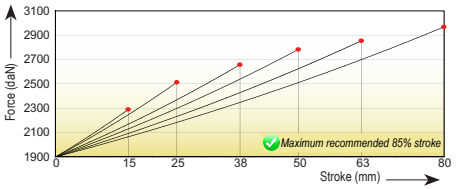


Maximum strokes / minute (at 20°C)

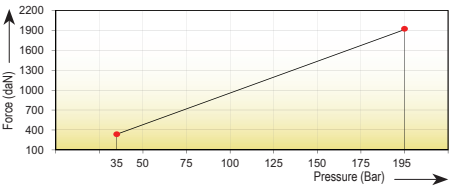


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 2000x15.1	15	115	100		2250	2320		0,085	0,80
TPH 2000x25.1	25	135	110		2430	2545		0,099	1,02
TPH 2000x38.1	38	165	127	1925 ±5%	2540	2690	195	0,128	1,32
TPH 2000x50.1	50	190	140	(20°C)	2635	2820	(20°C)	0,152	1,45
TPH 2000x63.1	63	220	157		2625	2805		0,193	1,55
TPH 2000x80.1	80	255	175		2775	3005		0,214	1,68

Force/stroke ratio

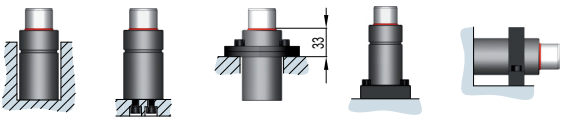


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
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DROP-IN | SCREWS | FS 50·FSC 50 | FB 45·FB 50 | FI 50·FI 50/1

Pieper Normteile GmbH +++ www.pieper-normteile.de +++
Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

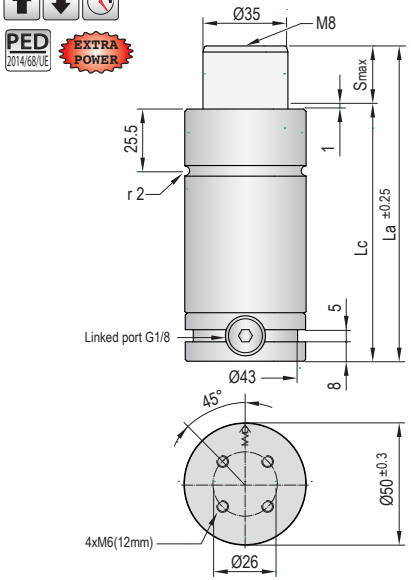
Ø50mm · G1/8 anschließbar
1925daN

TPH 2000.1C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

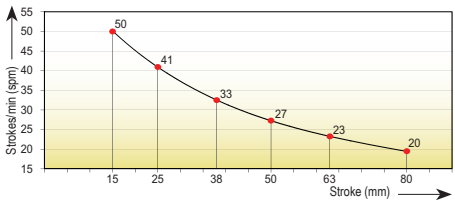


Pressure medium	Nitrogen (N_2)
Max. charging pressure	195 Bar
Min. charging pressure	35 Bar
Rod seal area	9,62 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC2000.1





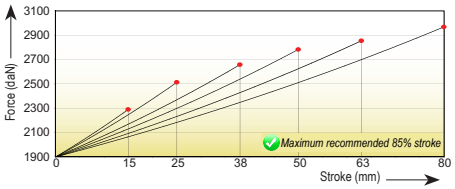
Maximum strokes / minute (at 20°C)



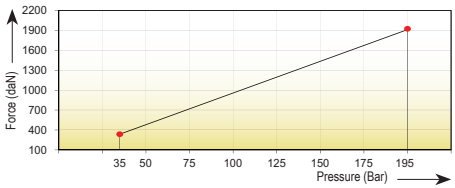
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 2000x15.1 C	15	135	120		2250	2320		0,085	0,95
TPH 2000x25.1 C	25	155	130		2430	2545		0,099	1,22
TPH 2000x38.1 C	38	185	147	1925 ±5%	2540	2690	195	0,128	1,52
TPH 2000x50.1 C	50	210	160	(20°C)	2635	2820	(20°C)	0,152	1,65
TPH 2000x63.1 C	63	240	177		2625	2805		0,193	1,75
TPH 2000x80.1 C	80	275	195		2775	3005		0,214	1,88

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

Force/stroke ratio

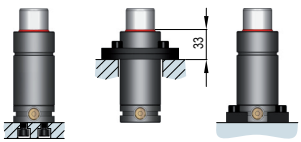


Initial force/charging pressure ratio



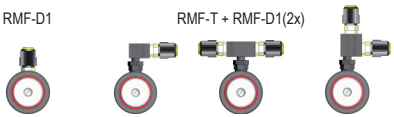
Einbaumöglichkeiten

Hinweise beachten Seite 287



SCREWS FS 50·FSC 50 FP 50·FPR 50

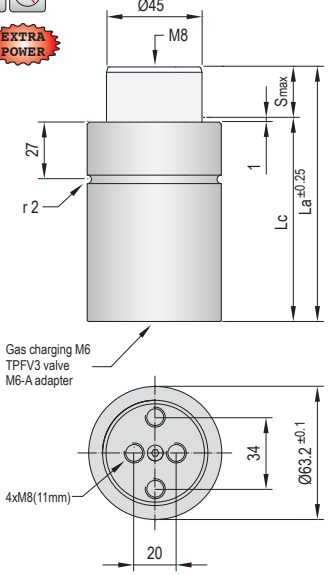
Anschlussmöglichkeiten



VDI SAFETY

PED 2014/68/UE

EXTRA POWER

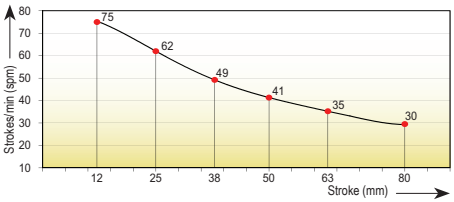


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	15,90 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H2800.1



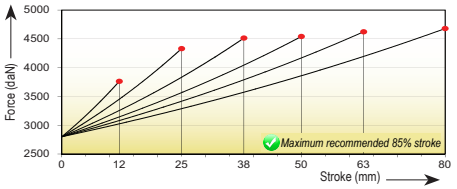


Maximum strokes / minute (at 20°C)

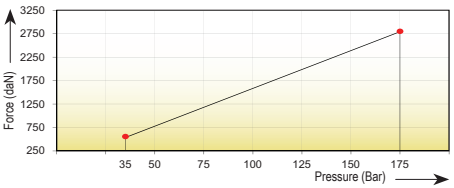


Code	Smax mm	La mm	Lc mm	Fa daN	F 85% daN	Fc 100% daN	P Bar	V l	Kg
TPH 2800x12.1	12	94	82		3555	3740		0,075	1,31
TPH 2800x25.1	25	120	95		3980	4305		0,112	1,52
TPH 2800x38.1	38	150	112	2800 ±5%	4110	4485	175	0,159	1,85
TPH 2800x50.1	50	175	125	(20°C)	4130	4515	(20°C)	0,207	1,97
TPH 2800x63.1	63	210	147		4185	4595		0,254	2,05
TPH 2800x80.1	80	250	170		4225	4650		0,317	2,22

Force/stroke ratio

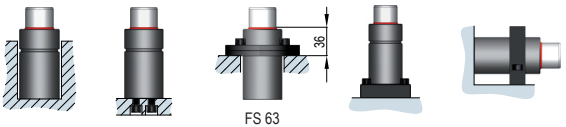


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
Seite 287



DROP-IN | SCREWS | FS 63 FSC 63·FSC 63/1 | FB 50·FB 63 | FI 63/1

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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

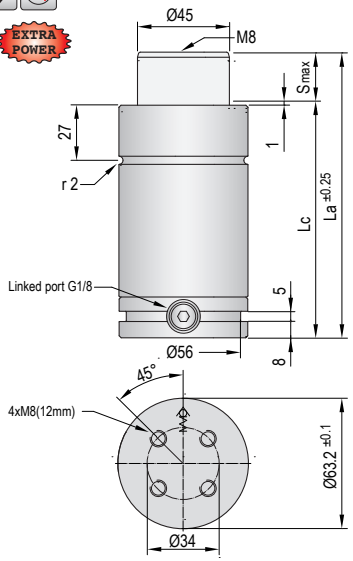
Ø63mm · G1/8 anschließbar
2800daN

TPH 2800.1 C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

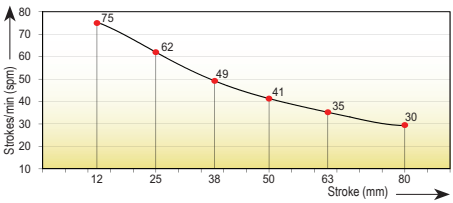


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	15,90 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC2800.1





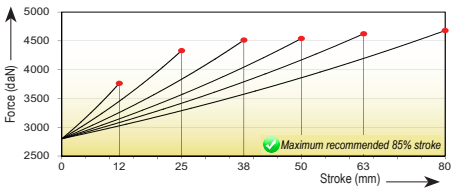
Maximum strokes / minute (at 20°C)



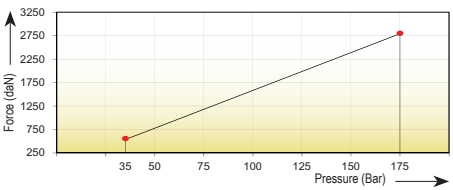
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 2800x12.1 C	12	114	102		3555	3740		0,075	1,41
TPH 2800x25.1 C	25	140	115		3980	4305		0,112	1,92
TPH 2800x38.1 C	38	170	132	2800 ±5%	4110	4485	175	0,159	2,35
TPH 2800x50.1 C	50	195	145	(20°C)	4130	4515	(20°C)	0,207	2,37
TPH 2800x63.1 C	63	230	167		4185	4595		0,254	2,45
TPH 2800x80.1 C	80	270	190		4225	4650		0,317	2,62

Achtung! Dieses Modell kann nur über ein Bedienfeld mit Druck beaufschlagt werden. Es wird drucklos geliefert.

Force/stroke ratio

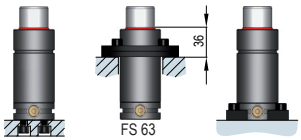


Initial force/charging pressure ratio



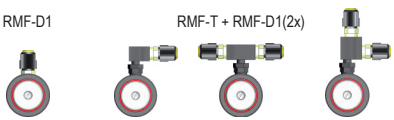
Einbaumöglichkeiten

Hinweise beachten Seite 287



SCREWS | FS 63 FSC 63·FSC 63/1 | FP 63·FPR 63

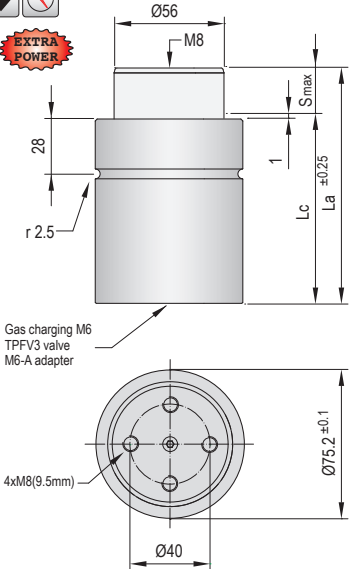
Anschlussmöglichkeiten



VDI SAFETY

PED 2014/68/UE

EXTRA POWER

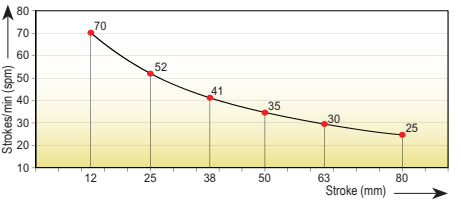


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	24,63 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit H4300.1



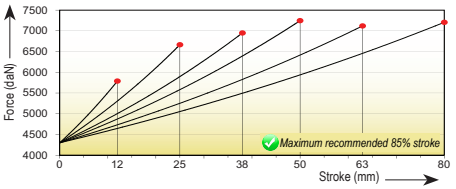


Maximum strokes / minute (at 20°C)

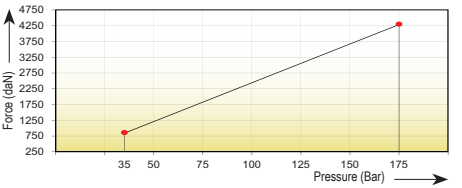


Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 4300x12.1	12	94	82		5515	5800		0,115	1,82
TPH 4300x25.1	25	120	95		6170	6680		0,174	2,10
TPH 4300x38.1	38	150	112	4300 ±5%	6375	6965	175	0,246	2,42
TPH 4300x50.1	50	175	125	(20°C)	6585	7265	(20°C)	0,303	2,61
TPH 4300x63.1	63	210	147		6500	7135		0,392	2,70
TPH 4300x80.1	80	250	170		6560	7225		0,489	3,05

Force/stroke ratio

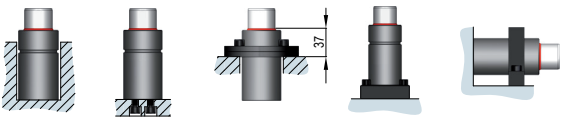


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten
Seite 287



DROP-IN | SCREWS | FS 75·FSC 75 | FB 75 | FI 75·FI 75/1

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Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

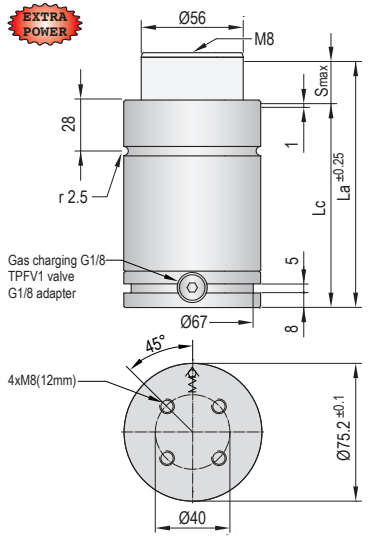
Ø75mm · G1/8 anschließbar
4300daN

TPH 4300.1C

VDI SAFETY

PED 2014/68/UE

EXTRA POWER

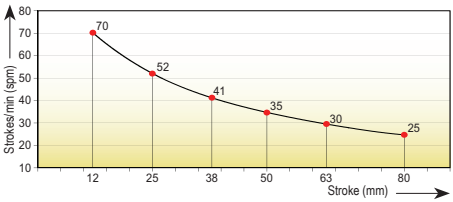


Pressure medium	Nitrogen (N_2)
Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	24,63 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	25 m/min
Maintenance kit	Kit HC4300.1





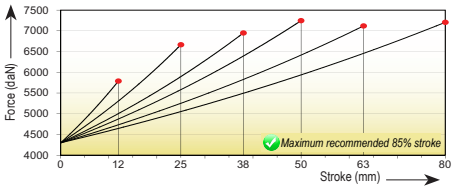
Maximum strokes / minute (at 20°C)



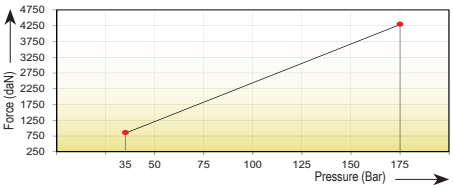
Code	Smax mm	La mm	Lc mm	Fa daN	85% F daN	100% Fc daN	P Bar	V l	Kg
TPH 4300x12.1 C	12	114	102		5515	5800		0,115	2,32
TPH 4300x25.1 C	25	140	115		6170	6680		0,174	2,60
TPH 4300x38.1 C	38	170	132	4300 ±5%	6375	6965	175	0,246	2,92
TPH 4300x50.1 C	50	195	145	(20°C)	6585	7265	(20°C)	0,303	3,11
TPH 4300x63.1 C	63	230	167		6500	7135		0,392	3,20
TPH 4300x80.1 C	80	270	190		6560	7225		0,489	4,05

Achtung! Dieses Modell ist für den Betrieb in einem Schlauchsystem vorgesehen.

Force/stroke ratio

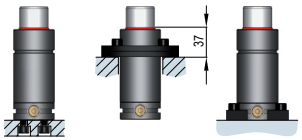


Initial force/charging pressure ratio



Einbaumöglichkeiten

Hinweise beachten Seite 287



SCREWS | FS 75·FSC 75 | FP 75·FPR 75

Anschlussmöglichkeiten

