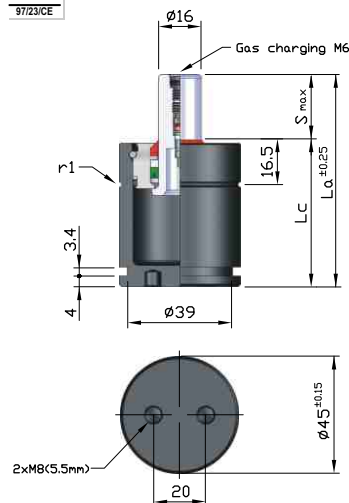


TPB 350

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

175 Bar

Min. charging pressure

25 Bar

Rod seal area

2,01 cm²

Max. working temperature

80°C

Force increase by temperature

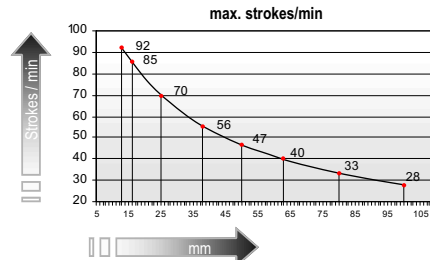
0,33% / 1°C

Max. stem speed

1,2 m/s

Maintenance kit

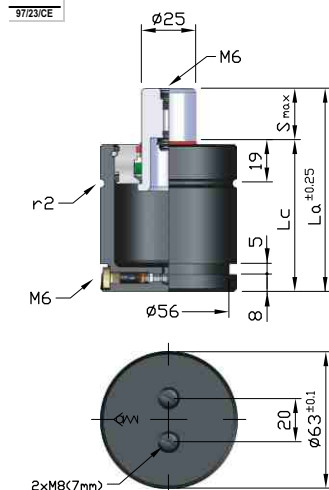
kit B350



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 350x13	13	58	45	350 (±5%)	425	175	0,015	0,34
TPB 350x16	16	64	48		430		0,018	0,38
TPB 350x25	25	82	57		430		0,027	0,39
TPB 350x38	38	108	70		435		0,041	0,43
TPB 350x50	50	132	82		435		0,054	0,46
TPB 350x63	63	158	95		435		0,067	0,49
TPB 350x80	80	192	112		435		0,085	0,57
TPB 350x100	100	232	132		435		0,105	0,63

TPB 850

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

4,91 cm²

Max. working temperature

80°C

Force increase by temperature

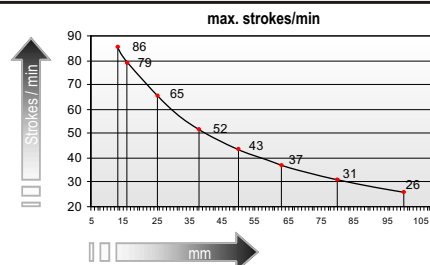
0,33% / 1°C

Max. stem speed

1,2 m/s

Maintenance kit

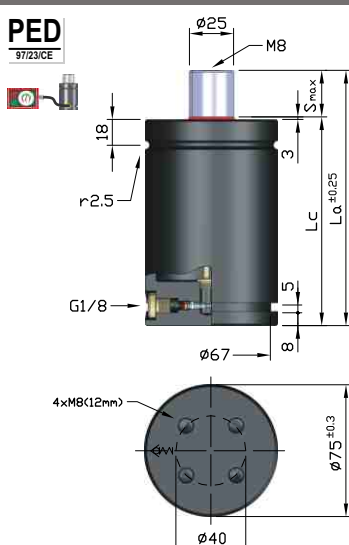
kit B850



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 850x13	13	70	57	850 (±5%)	990	175	0,048	0,92
TPB 850x16	16	76	60		1005		0,055	0,95
TPB 850x25	25	94	69		1030		0,074	1,24
TPB 850x38	38	120	82		1050		0,103	1,32
TPB 850x50	50	144	94		1060		0,129	1,37
TPB 850x63	63	170	107		1070		0,158	1,52
TPB 850x80	80	204	124		1075		0,195	1,68
TPB 850x100	100	244	144		1080		0,239	1,80

TPB 750

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

4,91 cm²

Max. working temperature

80°C

Force increase by temperature

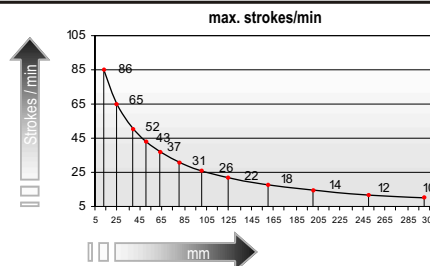
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

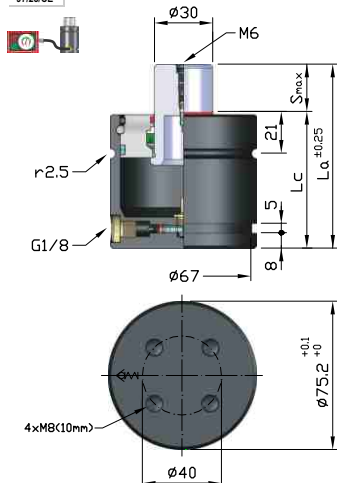
kit B750



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 750x13	12,7	120,4	107,7	740 (±5%)	770	150	0,147	3,00
TPB 750x25	25	145	120		790		0,184	3,15
TPB 750x38	38	171	133		805		0,224	3,35
TPB 750x50	50	195	145		810		0,262	3,50
TPB 750x63	63	222	159		820		0,302	3,75
TPB 750x80	80	255	175		830		0,355	4,30
TPB 750x100	100	295	195		835		0,418	4,65
TPB 750x125	125	345	220		840		0,496	5,21
TPB 750x160	160	415	255		845		0,605	5,94
TPB 750x200	200	495	295		850		0,729	7,00
TPB 750x250	250	595	345		855		0,885	7,68
TPB 750x300	300	695	395		860		1,041	8,09

TPB 1250

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

7,07 cm²

Max. working temperature

80°C

Force increase by temperature

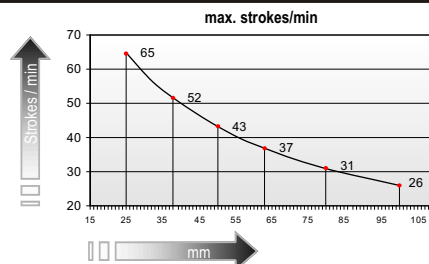
0,33% / 1°C

Max. stem speed

1,2 m/s

Maintenance kit

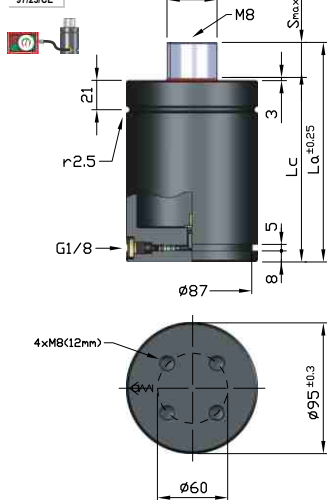
kit B1250



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPB 1250x25	25	95	70	1250 (±5%)	1525	175	0,094	1,30
TPB 1250x38	38	121	83		1525		0,141	1,51
TPB 1250x50	50	145	95		1530		0,185	1,58
TPB 1250x63	63	171	108		1530		0,232	1,67
TPB 1250x80	80	205	125		1530		0,294	2,08
TPB 1250x100	100	245	145		1535		0,367	2,49

TPB 1500

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

10,18 cm²

Max. working temperature

80°C

Force increase by temperature

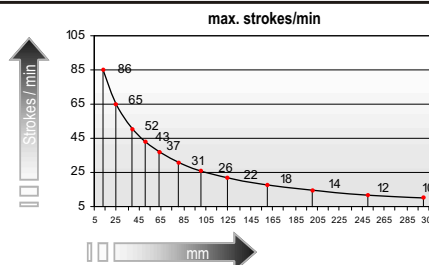
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

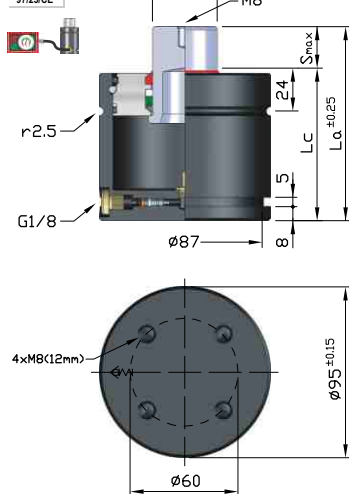
kit B1500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPB 1500x13	12,7	135,4	122,7	1500 (±5%)	1595	148	0,229	5,25
TPB 1500x25	25	160	135		1650		0,289	5,50
TPB 1500x38	38	186	148		1690		0,354	5,90
TPB 1500x50	50	210	160		1715		0,415	6,28
TPB 1500x63	63	237	174		1740		0,480	6,60
TPB 1500x80	80	270	190		1760		0,565	7,05
TPB 1500x100	100	310	210		1780		0,666	7,65
TPS 1500x125	125	360	235		1790		0,804	7,90
TPB 1500x160	160	430	270		1805		0,985	8,98
TPB 1500x200	200	510	310		1815		1,192	10,05
TPB 1500x250	250	610	360		1825		1,451	11,65
TPB 1500x300	300	710	410		1835		1,710	14,60

TPB 1800

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

10,18 cm²

Max. working temperature

80°C

Force increase by temperature

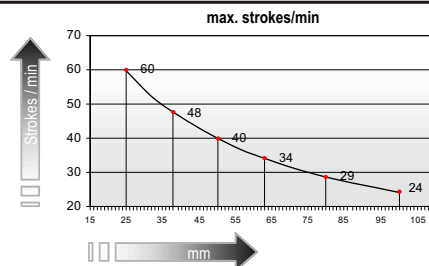
0,33% / 1°C

Max. stem speed

1,2 m/s

Maintenance kit

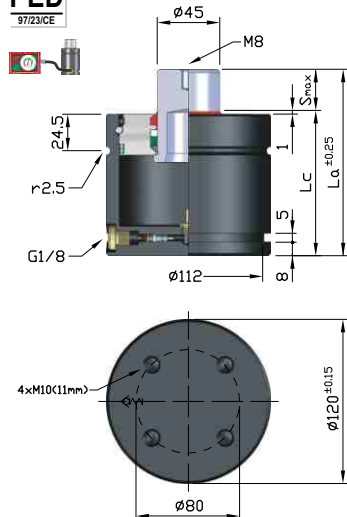
kit B1800



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPB 1800x25	25	108	83	1800 (±5%)	2040	175	0,200	3,05
TPB 1800x38	38	134	96		2075		0,272	3,65
TPB 1800x50	50	158	108		2095		0,338	3,84
TPB 1800x63	63	184	121		2110		0,410	4,32
TPB 1800x80	80	218	138		2125		0,504	4,79
TPB 1800x100	100	258	158		2135		0,614	5,88

TPB 2800

PED
97/23/CE



Pressure medium

Nitrogen Gas (N_2)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

15,90 cm^2

Max. working temperature

80°C

Force increase by temperature

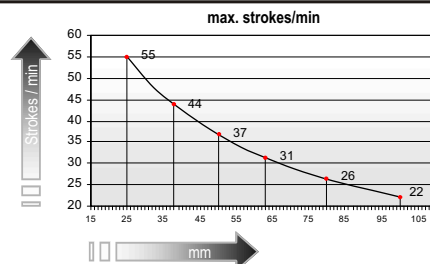
0,33% / 1°C

Max. stem speed

1,2 m/s

Maintenance kit

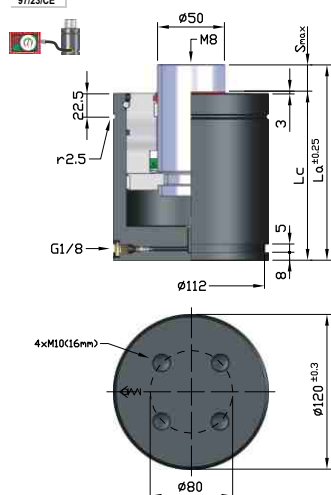
kit B2800



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 2800x25	25	118	93	2800 (±5%)	3075	175	0,419	4,80
TPB 2800x38	38	144	106		3140		0,532	5,55
TPB 2800x50	50	168	118		3180		0,635	6,25
TPB 2800x63	63	194	131		3215		0,748	6,32
TPB 2800x80	80	228	148		3245		0,895	7,15
TPB 2800x100	100	268	168		3270		1,068	8,10

TPB 3000

PED
97/23/CE



Pressure medium

Nitrogen Gas (N_2)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

19,63 cm^2

Max. working temperature

80°C

Force increase by temperature

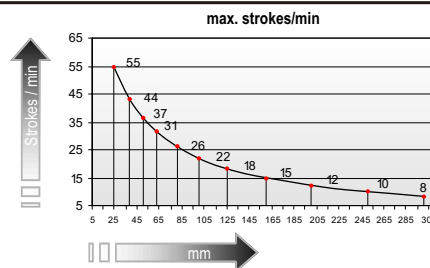
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

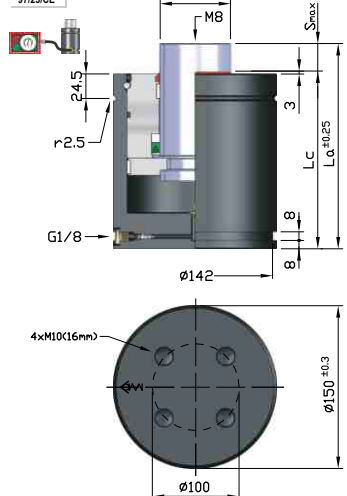
kit B3000



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 3000x25	25	170	145	3000 (±5%)	3250	150	0,527	11,75
TPB 3000x38	38	196	158		3245		0,641	12,70
TPB 3000x50	50	220	170		3390		0,746	13,45
TPB 3000x63	63	247	184		3440		0,860	14,25
TPB 3000x80	80	280	200		3490		1,009	15,16
TPB 3000x100	100	320	220		3675		0,989	16,20
TPB 3000x125	125	370	245		3705		1,194	17,85
TPB 3000x160	160	440	280		3735		1,483	19,60
TPB 3000x200	200	520	320		3760		1,812	21,50
TPB 3000x250	250	620	370		3780		2,224	23,60
TPB 3000x300	300	720	420		3795		2,635	25,30

TPB 5000

PED
97/23/CE



Pressure medium

Nitrogen Gas (N_2)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

33,18 cm^2

Max. working temperature

80°C

Force increase by temperature

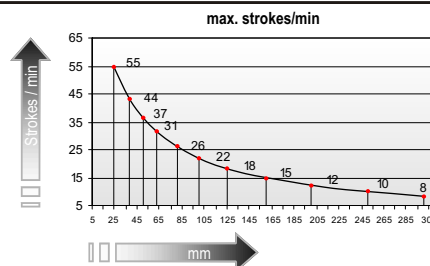
0,33% / 1°C

Max. stem speed

0,5 m/s

Maintenance kit

kit B5000



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPB 5000x25	25	190	165	5000 (±5%)	5620	150	0,726	11,50
TPB 5000x38	38	216	178		5560		0,947	12,30
TPB 5000x50	50	240	190		5845		1,115	13,10
TPB 5000x63	63	267	204		5935		1,297	14,00
TPB 5000x80	80	300	220		6050		1,495	14,85
TPB 5000x100	100	340	240		6120		1,774	16,00
TPB 5000x125	125	390	265		6185		2,124	17,45
TPB 5000x160	160	460	300		6245		2,613	19,25
TPB 5000x200	200	540	340		6295		3,172	21,10
TPB 5000x250	250	640	390		6335		3,871	23,20
TPB 5000x300	300	740	440		6365		4,570	25,10