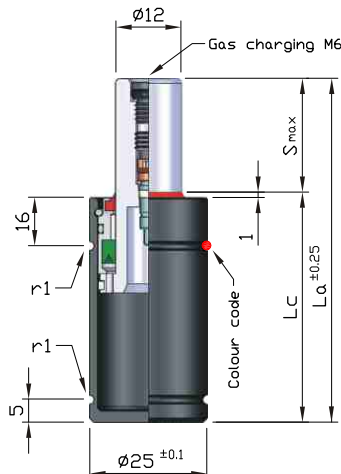
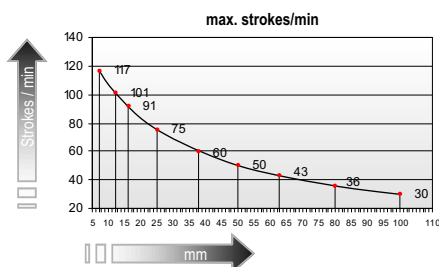


TPK 25

PED
97/23/CE



Pressure medium **Nitrogen Gas (N₂)**
 Max. charging pressure **175 Bar**
 Min. charging pressure **25 Bar**
 Rod seal area **1,13 cm²**
 Max. working temperature **80°C**
 Force increase by temperature **0,33% / 1°C**
 Max. stem speed **0,6 m/s**
 Maintenance kit **kit K25**



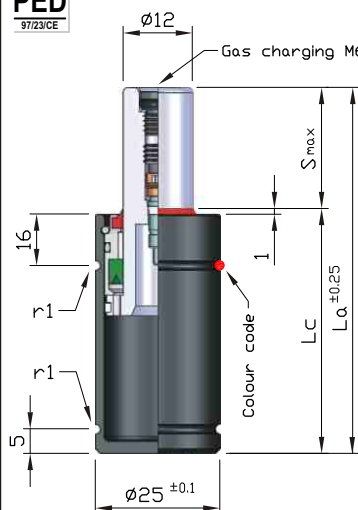
Code	S max mm	La mm	Lc mm	V l	kg
TPK 25x7	7	46	39	0,004	0,09
TPK 25x12	12	54	42	0,005	0,10
TPK 25x16	16	62	46	0,007	0,11
TPK 25x25	25	80	55	0,010	0,13
TPK 25x38	38	106	68	0,015	0,15
TPK 25x50	50	130	80	0,019	0,17
TPK 25x63	63	156	93	0,024	0,20
TPK 25x80	80	190	110	0,030	0,22
TPK 25x100	100	230	130	0,037	0,25

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	70	45
Blue	100 (±5)	140	90
Red	150 (±10)	210	135
Yellow	200 (±10)	275	175
Black	28 - 200	40 - 275	25 - 175

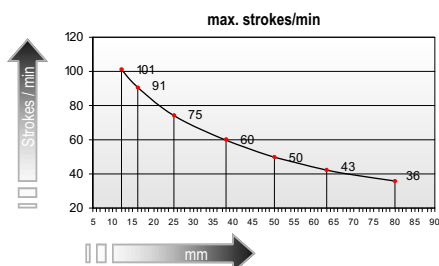
The black colour code denotes the adjustable pressure version (adjustable between 25 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPKN 25

PED
97/23/CE



Pressure medium **Nitrogen Gas (N₂)**
 Max. charging pressure **175 Bar**
 Min. charging pressure **25 Bar**
 Rod seal area **1,13 cm²**
 Max. working temperature **80°C**
 Force increase by temperature **0,33% / 1°C**
 Max. stem speed **0,6 m/s**
 Maintenance kit **kit KN25**



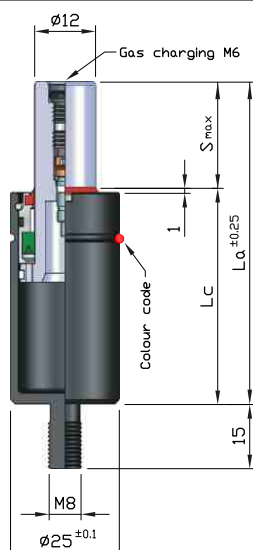
Code	S max mm	La mm	Lc mm	V l	kg
TPKN 25x12	12	56	44	0,006	0,12
TPKN 25x16	16	64	48	0,008	0,13
TPKN 25x25	25	82	57	0,011	0,15
TPKN 25x38	38	108	70	0,015	0,17
TPKN 25x50	50	132	82	0,020	0,19
TPKN 25x63	63	158	95	0,024	0,21
TPKN 25x80	80	192	112	0,031	0,24

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	70	45
Blue	100 (±5)	140	90
Red	150 (±10)	210	135
Yellow	200 (±10)	275	175
Black	28 - 200	40 - 275	25 - 175

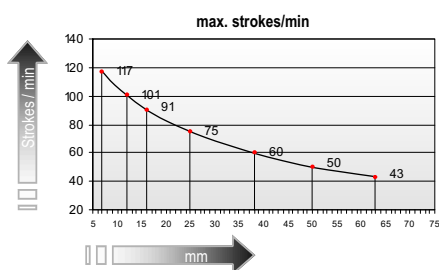
The black colour code denotes the adjustable pressure version (adjustable between 25 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPKR 25

PED
97/23/CE



Pressure medium **Nitrogen Gas (N₂)**
 Max. charging pressure **175 Bar**
 Min. charging pressure **25 Bar**
 Rod seal area **1,13 cm²**
 Max. working temperature **80°C**
 Force increase by temperature **0,33% / 1°C**
 Max. stem speed **0,6 m/s**
 Maintenance kit **kit KR25**



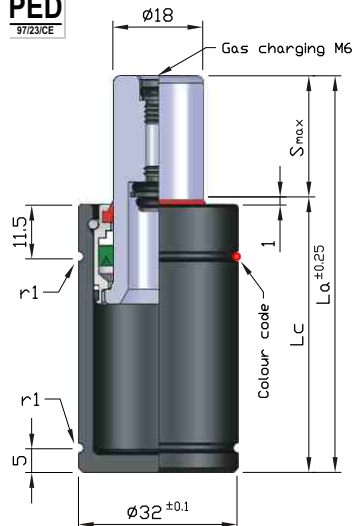
Code	S max mm	La mm	Lc mm	V l	kg
TPKR 25x7	7	46	39	0,004	0,13
TPKR 25x12	12	56	44	0,006	0,14
TPKR 25x16	16	64	48	0,008	0,16
TPKR 25x25	25	82	57	0,011	0,18
TPKR 25x38	38	108	70	0,015	0,20
TPKR 25x50	50	132	82	0,020	0,22
TPKR 25x63	63	158	95	0,024	0,25

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	70	45
Blue	100 (±10)	140	90
Red	150 (±15)	210	135
Yellow	200 (±20)	270	175
Black	28 - 200	40 - 270	25 - 175

The black colour code denotes the adjustable pressure version (adjustable between 25 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPK 32

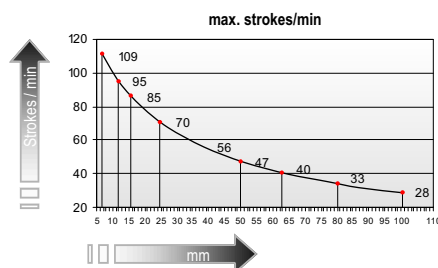
PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure **155 Bar**
 Min. charging pressure **25 Bar**
 Rod seal area **2,54 cm²**
 Max. working temperature **80°C**
 Force increase by temperature **0,33% / 1°C**
 Max. stem speed **0,8 m/s**
 Maintenance kit **kit K32**



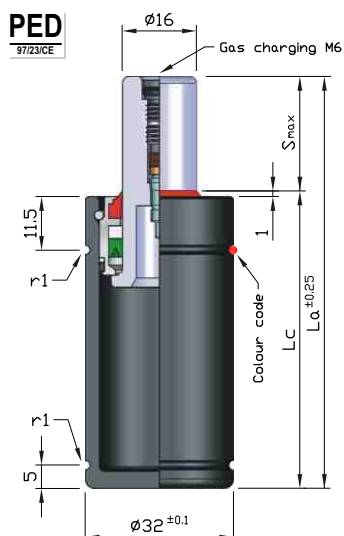
Code	S max mm	La mm	Lc mm	V l	kg
TPK 32x7	7	49	42	0,010	0,20
TPK 32x12	12	59	47	0,013	0,21
TPK 32x16	16	67	51	0,015	0,23
TPK 32x25	25	85	60	0,021	0,26
TPK 32x38	38	111	73	0,029	0,29
TPK 32x50	50	135	85	0,037	0,33
TPK 32x63	63	161	98	0,045	0,37
TPK 32x80	80	195	115	0,056	0,43
TPK 32x100	100	235	135	0,069	0,49

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±5)	150	40
Blue	200 (±10)	295	80
Red	300 (±15)	445	120
Yellow	400 (±20)	570	155
Black	65 - 400	90 - 570	25 - 155

The black colour code denotes the adjustable pressure version (adjustable between 25 and 155 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPKN 32

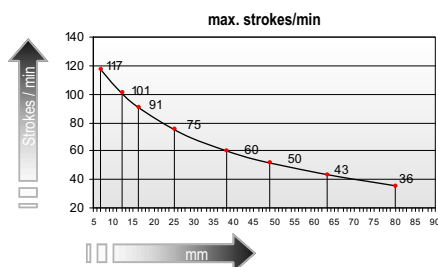
PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure **150 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 m/s**
 Maintenance kit **kit KN32**



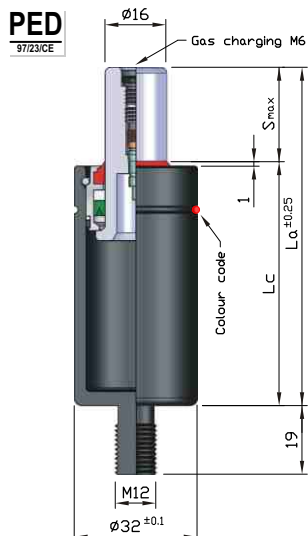
Code	S max mm	La mm	Lc mm	V l	kg
TPKN 32x7	7	53	46	0,012	0,22
TPKN 32x12	12	63	51	0,015	0,23
TPKN 32x16	16	71	55	0,017	0,25
TPKN 32x25	25	89	64	0,023	0,29
TPKN 32x38	38	115	77	0,031	0,31
TPKN 32x50	50	139	89	0,038	0,35
TPKN 32x63	63	165	102	0,046	0,39
TPKN 32x80	80	199	119	0,056	0,45

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±5)	130	50
Blue	200 (±10)	260	100
Red	250 (±15)	325	125
Yellow	300 (±20)	390	150
Black	50 - 300	65 - 390	25 - 150

The black colour code denotes the adjustable pressure version (adjustable between 25 and 150 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPKR 32

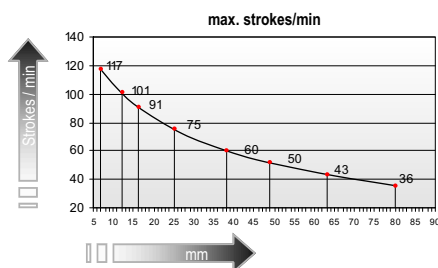
PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure **150 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 m/s**
 Maintenance kit **kit KR32**



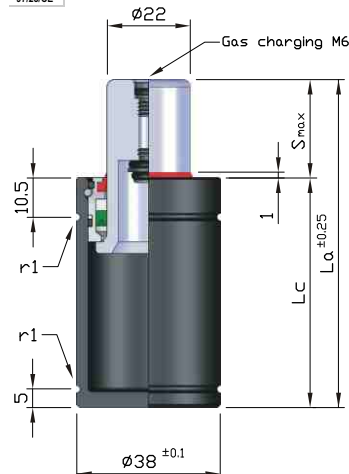
Code	S max mm	La mm	Lc mm	V l	kg
TPKR 32x7	7	53	46	0,012	0,23
TPKR 32x12	12	63	51	0,015	0,24
TPKR 32x16	16	71	55	0,017	0,26
TPKR 32x25	25	89	64	0,023	0,30
TPKR 32x38	38	115	77	0,031	0,32
TPKR 32x50	50	139	89	0,038	0,36
TPKR 32x63	63	165	102	0,046	0,40
TPKR 32x80	80	199	119	0,056	0,46

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±5)	130	50
Blue	200 (±10)	260	100
Red	250 (±15)	325	125
Yellow	300 (±20)	390	150
Black	50 - 300	65 - 390	25 - 150

The black colour code denotes the adjustable pressure version (adjustable between 25 and 150 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

TPK 600

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

155 Bar

Min. charging pressure

35 Bar

Rod seal area

3,80 cm²

Max. working temperature

80°C

Force increase by temperature

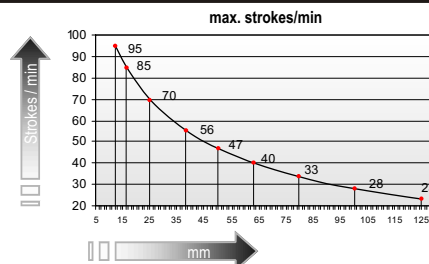
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

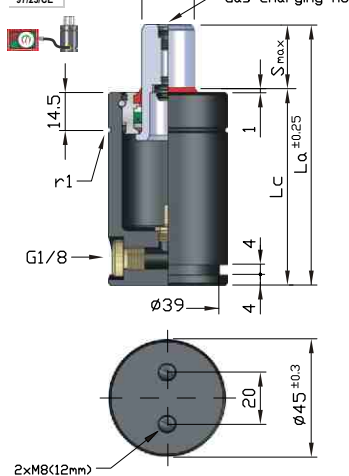
kit K600



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPK 600x12	12	61	49	600 (±5%)	755	155	0,021	0,30
TPK 600x16	16	69	53		780		0,025	0,32
TPK 600x25	25	87	62		820		0,034	0,35
TPK 600x38	38	113	75		850		0,047	0,41
TPK 600x50	50	137	87		870		0,059	0,45
TPK 600x63	63	163	100		880		0,072	0,50
TPK 600x80	80	197	117		895		0,089	0,57
TPK 600x100	100	237	137		905		0,109	0,66
TPK 600x125	125	287	162		910		0,134	0,79

TPKF 500

PED
97/23/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

3,14 cm²

Max. working temperature

80°C

Force increase by temperature

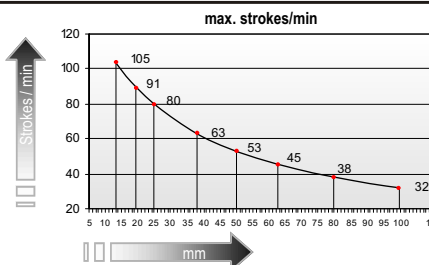
0,33% / 1°C

Max. stem speed

1 m/s

Maintenance kit

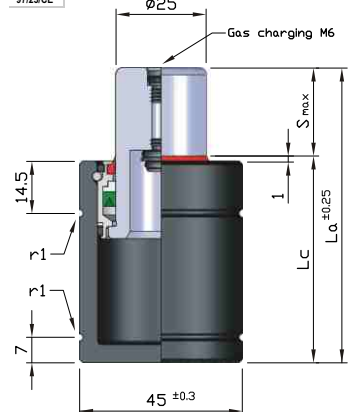
kit KF500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPKF 500x13	13	75,7	62,7	470 (±5%)	575	150	0,023	0,55
TPKF 500x19	19	88	69		590		0,029	0,60
TPKF 500x25	25	100	75		605		0,034	0,65
TPKF 500x38	38	126	88		615		0,049	0,85
TPKF 500x50	50	150	100		625		0,064	0,88
TPKF 500x63	63	177	114		630		0,079	0,95
TPKF 500x80	80	210	130		635		0,099	1,05
TPKF 500x100	100	250	150		640		0,123	1,20

TPK 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

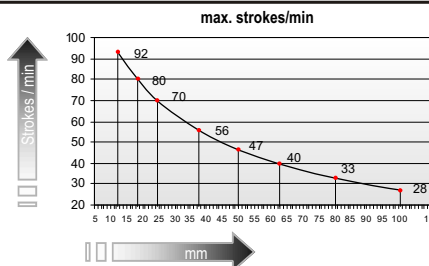
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

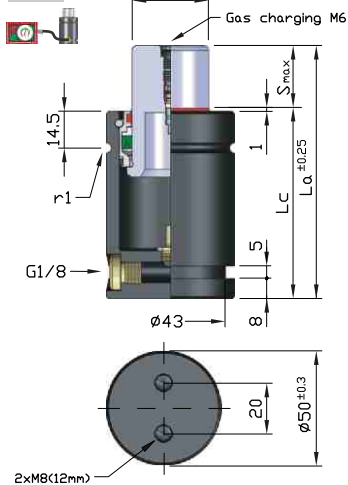
kit K750



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPK 750x13	12,7	57,4	44,7	750 (±5%)	1080	150	0,020	0,43
TPK 750x19	19	70	51		1130		0,027	0,48
TPK 750x25	25	82	57		1155		0,034	0,52
TPK 750x38	38	108	70		1185		0,049	0,62
TPK 750x50	50	132	82		1200		0,064	0,70
TPK 750x63	63	159	96		1210		0,079	0,80
TPK 750x80	80	192	112		1220		0,099	0,92
TPK 750x100	100	232	132		1225		0,123	1,10

TPKS 1000

PED
9723/CE



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

7,07 cm²

Max. working temperature

80°C

Force increase by temperature

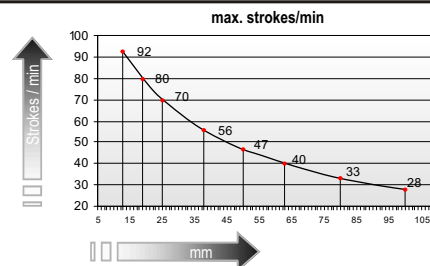
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

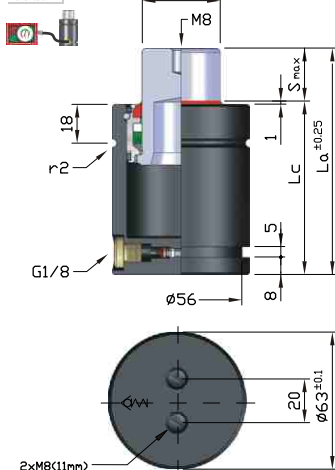
kit KS1000



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPKS 1000x13	12,7	75,4	62,7	1000 (±5%)	1550	142	0,025	0,77
TPKS 1000x19	19	88	69		1630		0,035	0,80
TPKS 1000x25	25	100	75		1670		0,044	0,85
TPKS 1000x38	38	126	88		1715		0,065	0,97
TPKS 1000x50	50	150	100		1740		0,084	1,07
TPKS 1000x63	63	177	114		1755		0,104	1,20
TPKS 1000x80	80	210	130		1770		0,131	1,36
TPKS 1000x100	100	250	150		1780		0,162	1,58

TPK 1500

PED
9723/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

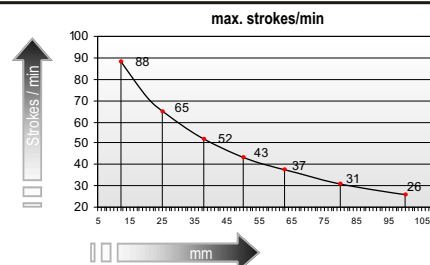
0,33% / 1°C

Max. stem speed

1 m/s

Maintenance kit

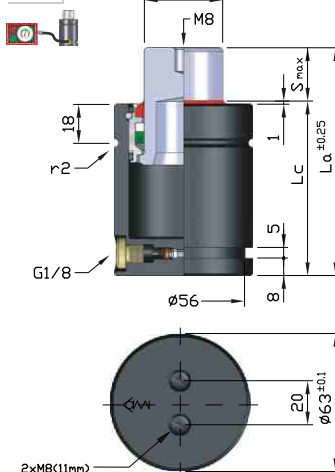
kit K1500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPK 1500x12	12	79	67	1500 (±5%)	1985	148	0,048	1,20
TPK 1500x25	25	105	80		2175		0,079	1,43
TPK 1500x38	38	131	93		2265		0,111	1,89
TPK 1500x50	50	155	105		2315		0,140	2,15
TPK 1500x63	63	181	118		2350		0,172	2,31
TPK 1500x80	80	215	135		2380		0,214	2,40
TPK 1500x100	100	255	155		2405		0,263	2,73

TPKN 1500

PED
9723/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

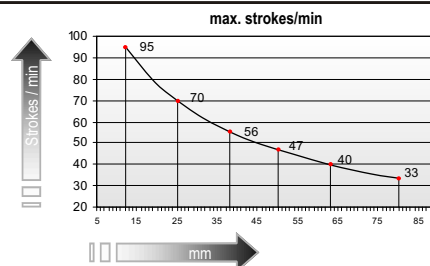
0,33% / 1°C

Max. stem speed

1 m/s

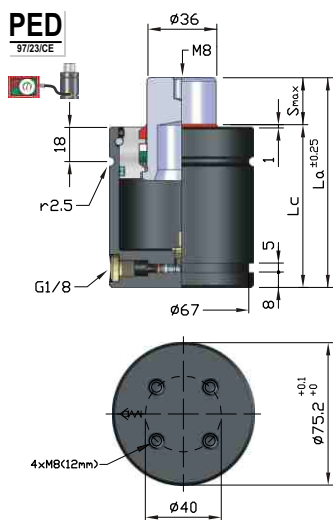
Maintenance kit

kit KN1500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPKN 1500x12	12	84	72	1500 (±5%)	1915	148	0,057	1,30
TPKN 1500x25	25	110	85		2110		0,089	1,53
TPKN 1500x38	38	136	98		2215		0,121	1,99
TPKN 1500x50	50	160	110		2280		0,150	2,25
TPKN 1500x63	63	186	123		2325		0,182	2,41
TPKN 1500x80	80	220	140		2370		0,224	2,50

TPKF 1500



RENAULT EM24.54.700/F

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

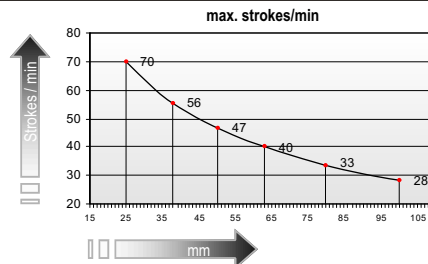
0,33% / 1°C

Max. stem speed

1 m/s

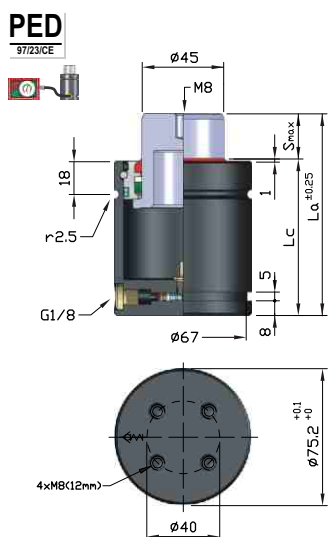
Maintenance kit

kit KF1500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPKF 1500x25	25	110	85	1500 (±5%)	1820	148	0,135	1,80
TPKF 1500x38	38	136	98		1865		0,185	1,90
TPKF 1500x50	50	160	110		1895		0,230	2,20
TPKF 1500x63	63	186	123		1915		0,280	2,45
TPKF 1500x80	80	220	140		1930		0,345	2,80
TPKF 1500x100	100	260	160		1930		0,434	3,20

TPK 2500



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

15,90 cm²

Max. working temperature

80°C

Force increase by temperature

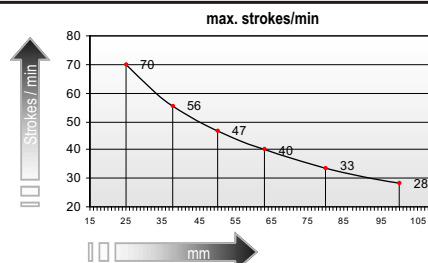
0,33% / 1°C

Max. stem speed

1 m/s

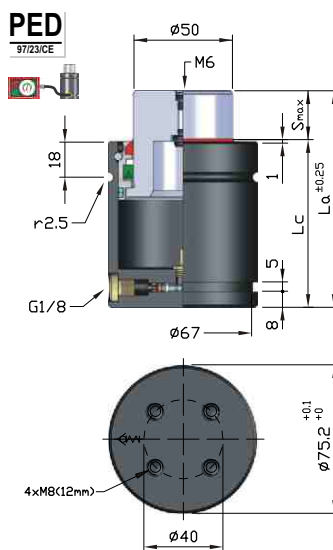
Maintenance kit

kit K2500



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPK 2500x25	25	110	85	2400 (±5%)	3230	150	0,13	2,00
TPK 2500x38	38	136	98		3375		0,19	2,10
TPK 2500x50	50	160	110		3465		0,24	2,40
TPK 2500x63	63	186	123		3530		0,30	2,65
TPK 2500x80	80	220	140		3590		0,37	3,00
TPK 2500x100	100	260	160		3640		0,45	3,30

TPK 3000



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

19,63 cm²

Max. working temperature

80°C

Force increase by temperature

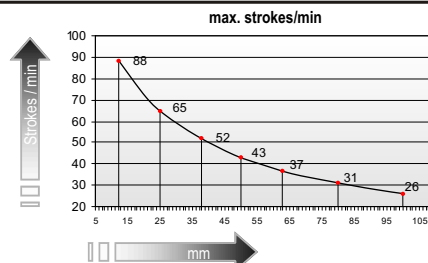
0,33% / 1°C

Max. stem speed

0,8 m/s

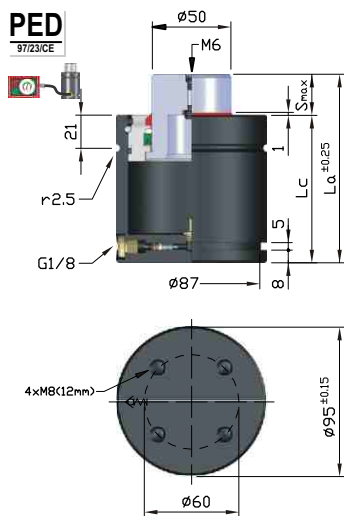
Maintenance kit

kit K3000



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPK 3000x12	12	84	72	3000 (±5%)	4030	150	0,087	1,65
TPK 3000x25	25	110	85		4485		0,143	2,10
TPK 3000x38	38	136	98		4715		0,199	2,25
TPK 3000x50	50	160	110		4850		0,250	2,50
TPK 3000x63	63	186	123		5945		0,306	2,75
TPK 3000x80	80	220	140		5035		0,379	3,15
TPK 3000x100	100	260	160		5105		0,464	3,45

TPKF 3000



RENAULT EM24.54.700/F

Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

19,63 cm²

Max. working temperature

80°C

Force increase by temperature

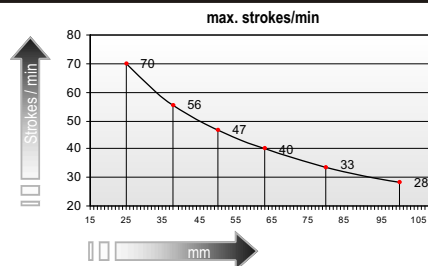
0,33% / 1°C

Max. stem speed

0,8 m/s

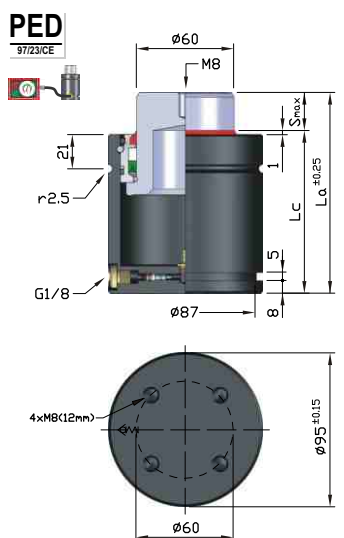
Maintenance kit

kit KF3000



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPKF 3000x25	25	120	95	3000 (±5%)	3630	150	0,261	3,60
TPKF 3000x38	38	146	108		3780		0,339	4,20
TPKF 3000x50	50	170	120		3870		0,410	4,40
TPKF 3000x63	63	196	133		3945		0,488	4,90
TPKF 3000x80	80	230	150		4015		0,590	4,40
TPKF 3000x100	100	270	170		4070		0,710	6,50

TPKF 4250



Pressure medium

Nitrogen Gas (N₂)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

28,27 cm²

Max. working temperature

80°C

Force increase by temperature

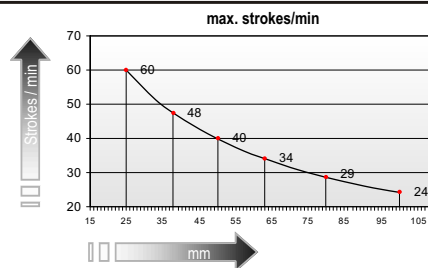
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

kit K4250



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPK 4250x25	25	120	96	4250 (±5%)	5830	150	0,260	3,65
TPK 4250x38	38	146	108		6160		0,345	4,25
TPK 4250x50	50	170	120		6370		0,423	4,45
TPK 4250x63	63	196	133		6530		0,508	4,95
TPK 4250x80	80	230	150		6680		0,620	5,45
TPK 4250x100	100	270	170		6805		0,751	6,55