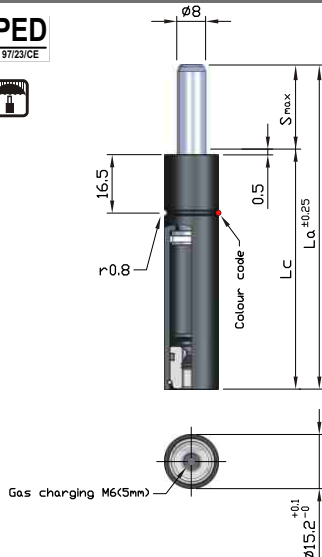


## MICRO 15

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**50 Bar**

Rod seal area

**0,50 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

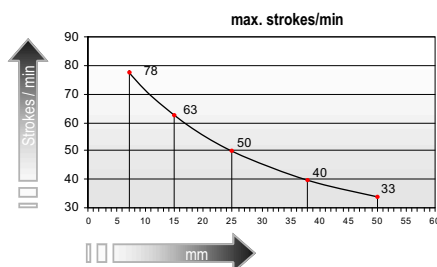
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

**kit M15**



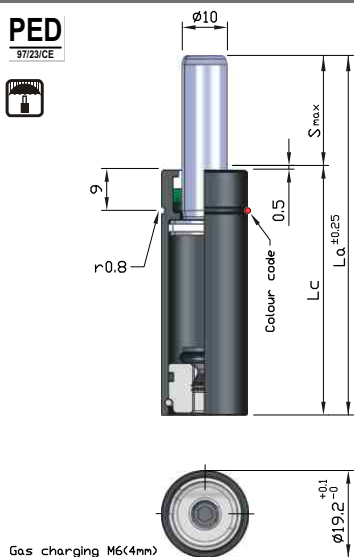
Code	S max mm	La mm	Lc mm	V l	W kg
MICRO 15x7	7	56	49	0,001	0,07
MICRO 15x15	15	72	57	0,002	0,08
MICRO 15x25	25	92	67	0,003	0,09
MICRO 15x38	38	118	80	0,005	0,10
MICRO 15x50	50	142	92	0,006	0,11

Colour code	Fa daN	Fc daN	P Bar
Green	30 (±5)	48	60
Blue	50 (±5)	80	100
Red	70 (±10)	112	140
Yellow	90 (±10)	140	175
Black	25 - 90	40 - 140	50 - 175

The black colour code denotes the adjustable pressure version (adjustable between 50 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## MICRO 19

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**25 Bar**

Rod seal area

**0,78 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

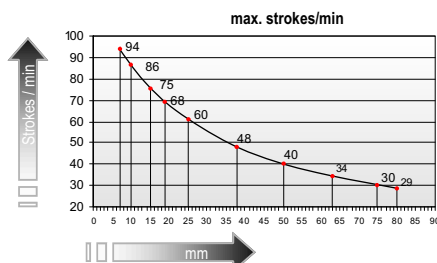
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

**kit M19**



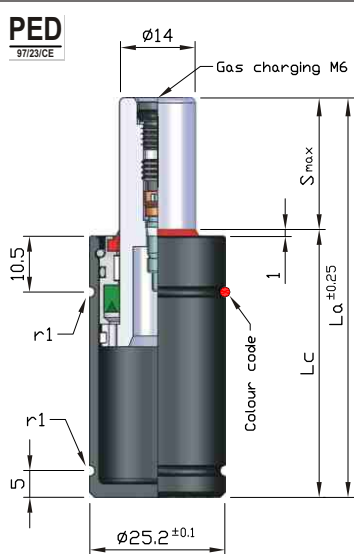
Code	S max mm	La mm	Lc mm	V l	W kg
MICRO 19x7	7	44	37	0,002	0,07
MICRO 19x10	10	50	40	0,003	0,07
MICRO 19x15	15	60	45	0,004	0,08
MICRO 19x19	19	68	49	0,004	0,09
MICRO 19x25	25	80	55	0,006	0,09
MICRO 19x38	38	106	68	0,008	0,11
MICRO 19x50	50	130	80	0,011	0,12
MICRO 19x63	63	156	93	0,014	0,13
MICRO 19x75	75	185	110	0,017	0,13
MICRO 19x80	80	195	115	0,018	0,14

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	75	63
Blue	75 (±5)	115	95
Red	100 (±10)	150	125
Yellow	140 (±10)	210	175
Black	20 - 140	30 - 210	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.

## MICRO 25

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**50 Bar**

Rod seal area

**1,54 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

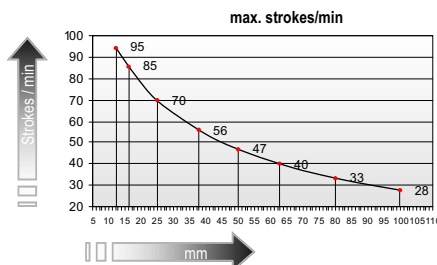
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

**kit M25**



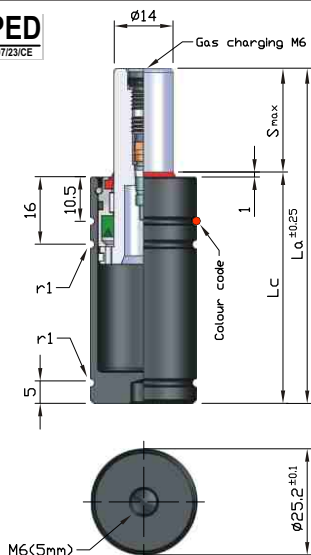
Code	S max mm	La mm	Lc mm	V l	W kg
MICRO 25x12	12	49	37	0,005	0,08
MICRO 25x16	16	57	41	0,006	0,09
MICRO 25x25	25	75	50	0,010	0,11
MICRO 25x38	38	101	63	0,016	0,13
MICRO 25x50	50	125	75	0,021	0,15
MICRO 25x63	63	151	88	0,026	0,18
MICRO 25x80	80	185	105	0,034	0,20
MICRO 25x100	100	225	125	0,042	0,25

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	160	65
Blue	150 (±10)	245	100
Red	200 (±15)	320	130
Yellow	275 (±20)	430	175
Black	75 - 275	120 - 430	50 - 175

The black colour code denotes the adjustable pressure version (adjustable between 50 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## MICRO 25H

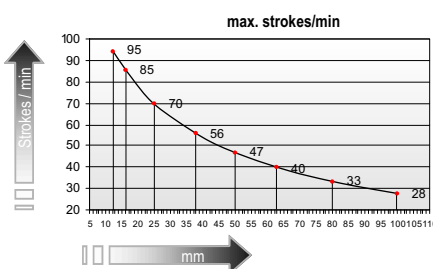
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **50 Bar**  
 Rod seal area **1,54 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **0,5 m/s**  
 Maintenance kit **kit M25**



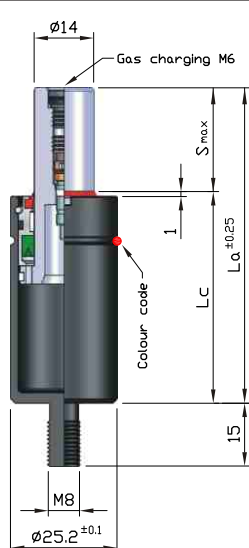
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 25Hx12	12	54	42	0,005	0,10
MICRO 25Hx16	16	62	46	0,006	0,11
MICRO 25Hx25	25	80	55	0,010	0,13
MICRO 25Hx38	38	106	68	0,016	0,15
MICRO 25Hx50	50	130	80	0,021	0,17
MICRO 25Hx63	63	156	93	0,026	0,20
MICRO 25Hx80	80	190	110	0,034	0,22
MICRO 25Hx100	100	235	135	0,042	0,27

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	160	65
Blue	150 (±10)	245	100
Red	200 (±15)	320	130
Yellow	275 (±20)	430	175
Black	75 - 275	120 - 430	50 - 175

The black colour code denotes the adjustable pressure version (adjustable between 50 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## MICRO 25R

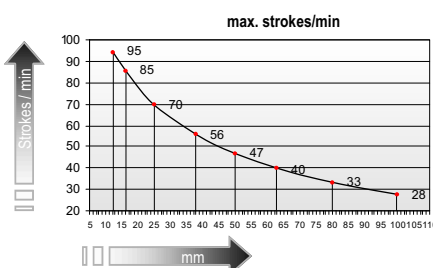
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **50 Bar**  
 Rod seal area **1,54 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **0,5 m/s**  
 Maintenance kit **kit MR25**



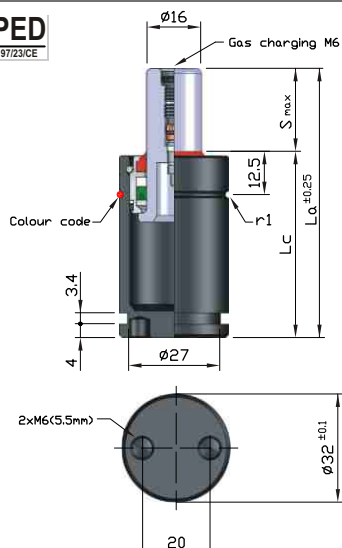
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 25Rx12	12	49	37	0,005	0,08
MICRO 25Rx16	16	57	41	0,006	0,09
MICRO 25Rx25	25	75	50	0,010	0,11
MICRO 25Rx38	38	101	63	0,016	0,13
MICRO 25Rx50	50	125	75	0,021	0,15
MICRO 25Rx63	63	151	88	0,026	0,18
MICRO 25Rx80	80	185	105	0,034	0,20

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	160	65
Blue	150 (±10)	245	100
Red	200 (±15)	320	130
Yellow	275 (±20)	430	175
Black	75 - 275	120 - 430	50 - 175

The black colour code denotes the adjustable pressure version (adjustable between 50 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## MICRO 32V

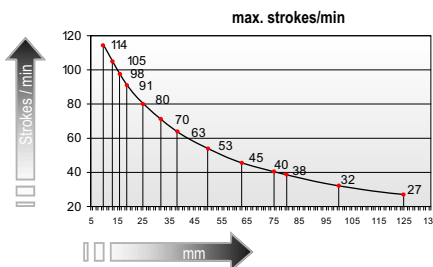
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **25 Bar**  
 Rod seal area **2,01 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **1 m/s**  
 Maintenance kit **kit MV32**



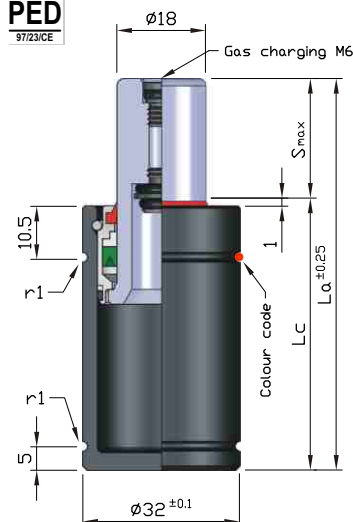
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 32Vx10	10	50	40	0,007	0,16
MICRO 32Vx13	13	56	43	0,009	0,17
MICRO 32Vx16	16	62	46	0,010	0,18
MICRO 32Vx19	19	68	49	0,012	0,19
MICRO 32Vx25	25	80	55	0,015	0,20
MICRO 32Vx32	32	94	62	0,019	0,22
MICRO 32Vx38	38	106	68	0,025	0,24
MICRO 32Vx50	50	130	80	0,032	0,28
MICRO 32Vx63	63	156	93	0,041	0,33
MICRO 32Vx75	75	180	105	0,049	0,36
MICRO 32Vx80	80	190	110	0,052	0,38
MICRO 32Vx100	100	230	130	0,065	0,44
MICRO 32Vx125	125	280	155	0,078	0,51

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	75	25
Blue	150 (±15)	220	75
Red	250 (±20)	365	125
Yellow	350 (±20)	510	175
Black	50 - 350	75 - 510	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.

## MICRO 32

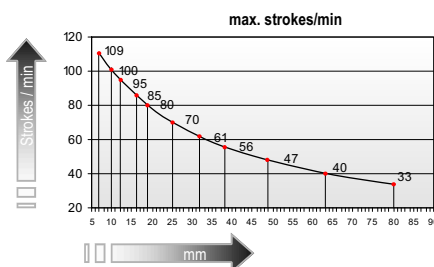
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **25 Bar**  
 Rod seal area **2,54 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **0,8 m/s**  
 Maintenance kit **kit M32**



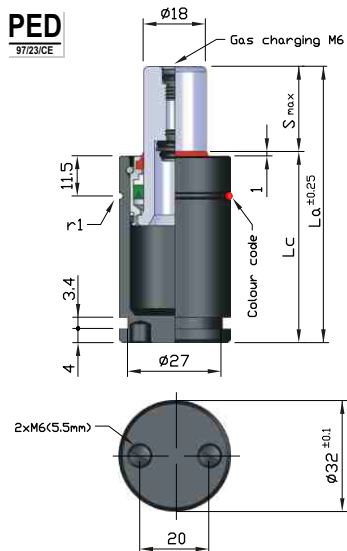
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 32x7	7	44	37	0,007	0,08
MICRO 32x10	10	50	40	0,008	0,08
MICRO 32x12	12	54	42	0,010	0,09
MICRO 32x16	16	62	46	0,013	0,10
MICRO 32x19	19	68	49	0,014	0,11
MICRO 32x25	25	80	55	0,018	0,12
MICRO 32x32	32	94	62	0,023	0,13
MICRO 32x38	38	106	68	0,027	0,14
MICRO 32x50	50	130	80	0,035	0,16
MICRO 32x63	63	156	93	0,043	0,19
MICRO 32x80	80	190	110	0,054	0,21

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	150	40
Blue	200 (±15)	310	80
Red	300 (±25)	460	120
Yellow	450 (±20)	675	175
Black	60 - 450	100 - 675	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.

## MICRO 32H

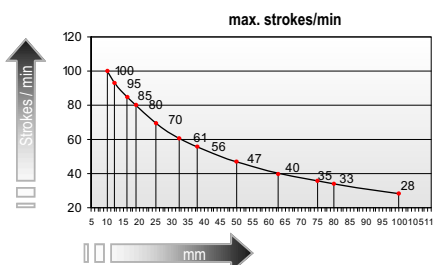
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **25 Bar**  
 Rod seal area **2,54 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **0,8 m/s**  
 Maintenance kit **kit MH32**



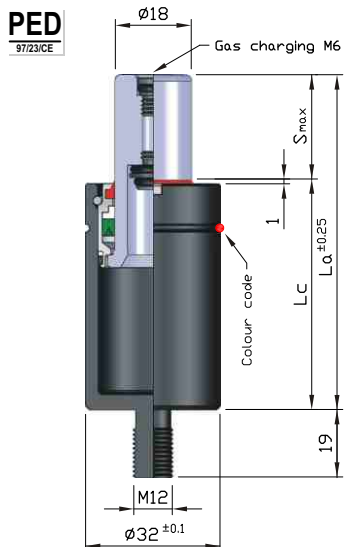
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 32Hx10	10	50	40	0,006	0,16
MICRO 32Hx12	12	54	42	0,008	0,17
MICRO 32Hx16	16	62	46	0,010	0,18
MICRO 32Hx19	19	68	49	0,013	0,19
MICRO 32Hx25	25	80	55	0,016	0,20
MICRO 32Hx32	32	94	62	0,021	0,22
MICRO 32Hx38	38	106	68	0,025	0,24
MICRO 32Hx50	50	130	80	0,032	0,28
MICRO 32Hx63	63	156	93	0,041	0,33
MICRO 32Hx75	75	180	105	0,048	0,36
MICRO 32Hx80	80	190	110	0,052	0,38
MICRO 32Hx100	100	230	130	0,064	0,44

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	170	40
Blue	200 (±15)	340	80
Red	300 (±25)	505	120
Yellow	450 (±20)	735	175
Black	60 - 450	105 - 735	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.

## MICRO 32R

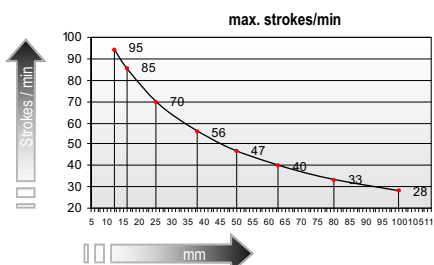
PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**  
 Min. charging pressure **25 Bar**  
 Rod seal area **2,54 cm<sup>2</sup>**  
 Max. working temperature **80°C**  
 Force increase by temperature **0,33% / 1°C**  
 Max. stem speed **0,8 m/s**  
 Maintenance kit **kit MR32**



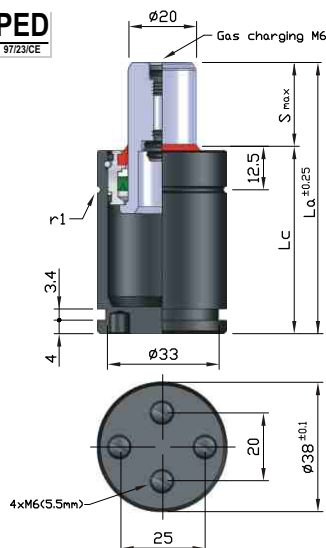
Code	S max mm	La mm	Lc mm	V l	kg
MICRO 32Rx12	12	54	42	0,010	0,09
MICRO 32Rx16	16	62	46	0,013	0,10
MICRO 32Rx25	25	80	55	0,018	0,12
MICRO 32Rx38	38	106	68	0,027	0,14
MICRO 32Rx50	50	130	80	0,035	0,16
MICRO 32Rx63	63	156	93	0,043	0,19
MICRO 32Rx80	80	190	110	0,054	0,21
MICRO 32Rx100	100	230	130	0,066	0,25

Colour code	Fa daN	Fc daN	P Bar
Green	100 (±10)	150	40
Blue	200 (±15)	310	80
Red	300 (±25)	460	120
Yellow	450 (±20)	675	175
Black	60 - 450	100 - 675	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.

## MICRO 38V

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

3,14 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

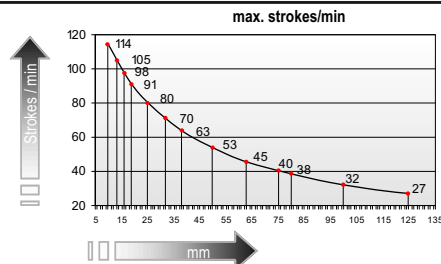
0,33% / 1°C

Max. stem speed

1 m/s

Maintenance kit

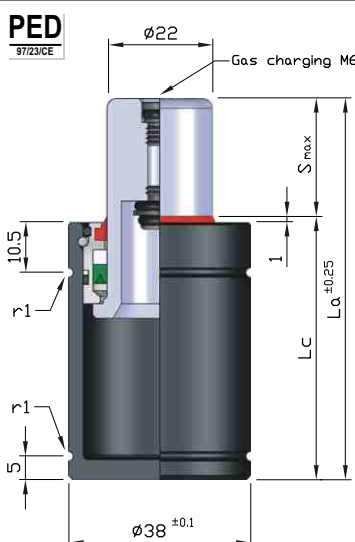
kit MV38



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 38Vx10	10	50	40	470 (±5%)	660	150	0,011	0,25
MICRO 38Vx13	13	56	43		665		0,014	0,26
MICRO 38Vx16	16	62	46		675		0,017	0,27
MICRO 38Vx19	19	68	49		675		0,020	0,28
MICRO 38Vx25	25	80	55		680		0,025	0,32
MICRO 38Vx32	32	94	62		685		0,032	0,34
MICRO 38Vx38	38	106	68		690		0,038	0,38
MICRO 38Vx50	50	130	80		690		0,050	0,42
MICRO 38Vx63	63	156	93		695		0,062	0,46
MICRO 38Vx75	75	180	105		695		0,074	0,50
MICRO 38Vx80	80	190	110		695		0,078	0,53
MICRO 38Vx100	100	230	130		695		0,097	0,55
MICRO 38Vx125	125	280	155		700		0,121	0,68

## MICRO 38

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

3,80 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

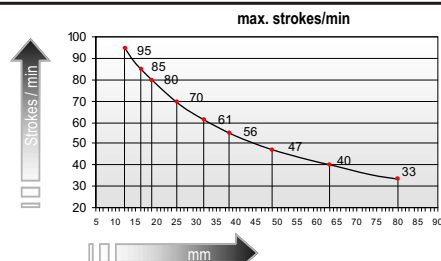
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

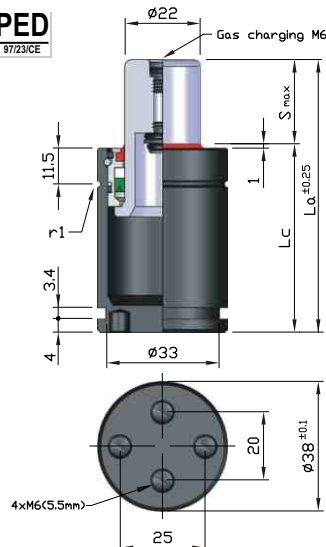
kit M38



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 38x12	12	54	42	660 (±5%)	935	175	0,016	0,28
MICRO 38x16	16	62	46		960		0,020	0,30
MICRO 38x19	19	68	49		975		0,023	0,32
MICRO 38x25	25	80	55		990		0,029	0,33
MICRO 38x32	32	94	62		1005		0,036	0,35
MICRO 38x38	38	106	68		1015		0,042	0,39
MICRO 38x50	50	130	80		1025		0,054	0,43
MICRO 38x63	63	156	93		1035		0,067	0,48
MICRO 38x80	80	190	110		1040		0,084	0,55

## MICRO 38H

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

3,80 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

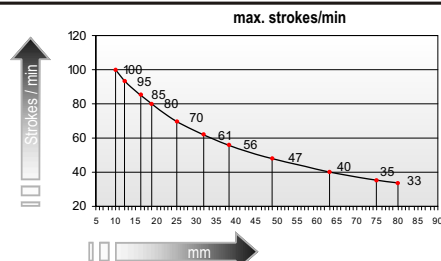
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

kit MH38

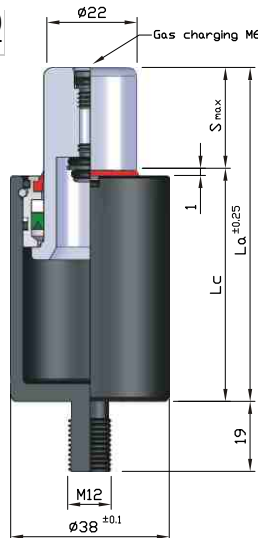


Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 38Hx10	10	50	40	660 (±5%)	1050	175	0,010	0,26
MICRO 38Hx12	12	54	42		1055		0,013	0,27
MICRO 38Hx16	16	62	46		1060		0,017	0,28
MICRO 38Hx19	19	68	49		1060		0,020	0,30
MICRO 38Hx25	25	80	55		1060		0,026	0,33
MICRO 38Hx32	32	94	62		1065		0,033	0,35
MICRO 38Hx38	38	106	68		1065		0,039	0,39
MICRO 38Hx50	50	130	80		1065		0,051	0,43
MICRO 38Hx63	63	156	93		1065		0,064	0,48
MICRO 38Hx75	75	180	105		1075		0,076	0,51
MICRO 38Hx80	80	190	110		1065		0,081	0,55



## MICRO 38R

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

175 Bar

Min. charging pressure

35 Bar

Rod seal area

3,80 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

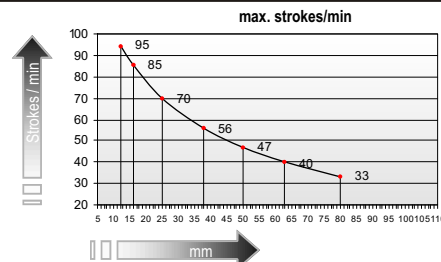
0,33% / 1°C

Max. stem speed

8 m/s

Maintenance kit

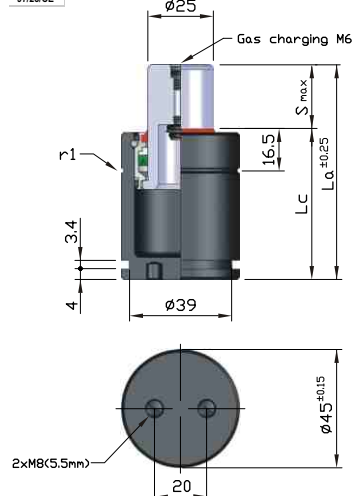
kit MR38



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 38Rx12	12	54	42	660 (±5%)	935	175	0,016	0,28
MICRO 38Rx16	16	62	46		960		0,020	0,30
MICRO 38Rx25	25	80	55		990		0,029	0,33
MICRO 38Rx38	38	106	68		1015		0,042	0,39
MICRO 38Rx50	50	130	80		1025		0,054	0,43
MICRO 38Rx63	63	156	93		1035		0,067	0,48
MICRO 38Rx80	80	190	110		1040		0,084	0,55

## MICRO 45

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

4,91 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

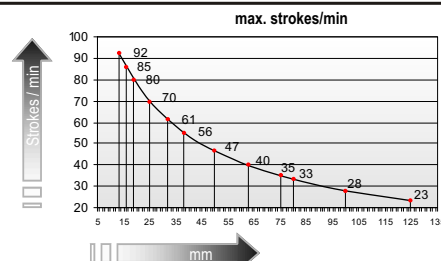
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

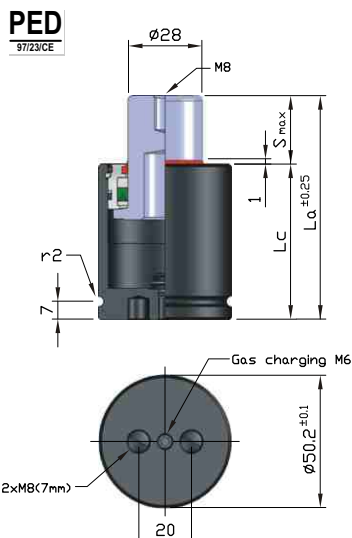
kit M45



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 45x13	13	58	45	740 (±5%)	1235	150	0,016	0,35
MICRO 45x16	16	64	48		1235		0,020	0,39
MICRO 45x19	19	70	51		1240		0,023	0,40
MICRO 45x25	25	82	57		1245		0,031	0,44
MICRO 45x32	32	96	64		1245		0,039	0,47
MICRO 45x38	38	108	70		1245		0,046	0,50
MICRO 45x50	50	132	82		1250		0,060	0,59
MICRO 45x63	63	158	95		1250		0,076	0,65
MICRO 45x75	75	182	107		1250		0,090	0,80
MICRO 45x80	80	192	112		1250		0,096	0,85
MICRO 45x100	100	232	132		1250		0,120	0,98
MICRO 45x125	125	282	157		1250		0,150	1,15

## MICRO 50

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

6,16 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

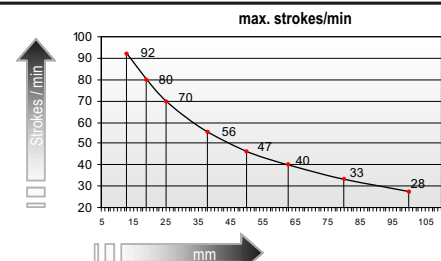
0,33% / 1°C

Max. stem speed

0,8 m/s

Maintenance kit

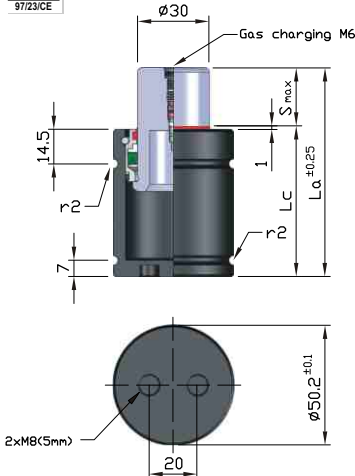
kit M50



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 50x13	13	61	48	920 (±5%)	1430	150	0,023	0,57
MICRO 50x19	19	73	54		1445		0,032	0,60
MICRO 50x25	25	85	60		1455		0,042	0,67
MICRO 50x38	38	111	73		1465		0,063	0,79
MICRO 50x50	50	135	85		1470		0,083	0,89
MICRO 50x63	63	161	98		1470		0,104	1,02
MICRO 50x80	80	195	115		1475		0,132	1,18
MICRO 50x100	100	235	135		1475		0,163	1,39

## MICRO 50V

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**160 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**7,07 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

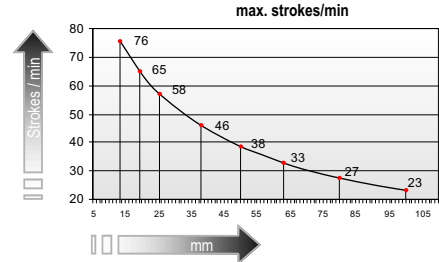
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

Maintenance kit

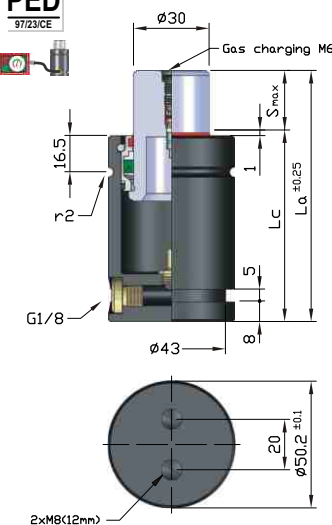
**kit M50V**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 50Vx13	12,7	63,4	50,7	1100 (±5%)	1700	160	0,025	0,59
MICRO 50Vx19	19	76	57		1790		0,035	0,62
MICRO 50Vx25	25	88	63		1830		0,044	0,69
MICRO 50Vx38	38	114	76		1880		0,065	0,81
MICRO 50Vx50	50	138	88		1905		0,084	0,91
MICRO 50Vx63	63	165	102		1925		0,104	1,05
MICRO 50Vx80	80	198	118		1940		0,131	1,20
MICRO 50Vx100	100	238	138		1950		0,162	1,41

## MICRO 50C

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**160 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**7,07 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

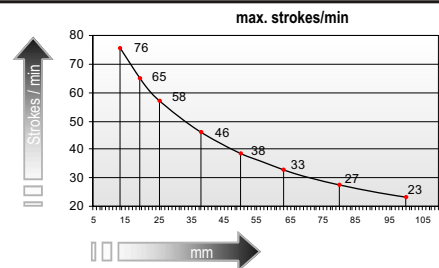
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

Maintenance kit

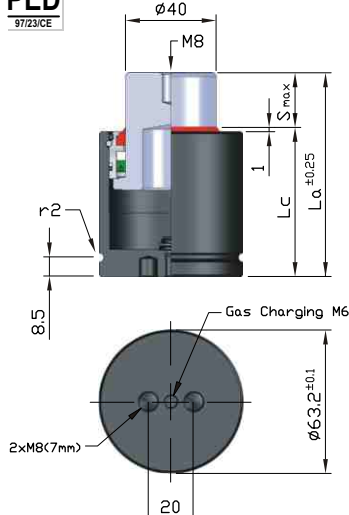
**kit MC50**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 50Cx13	12,7	74	61,3	1100 (±5%)	1700	160	0,025	0,70
MICRO 50Cx19	19	86	67		1790		0,035	0,73
MICRO 50Cx25	25	98	73		1830		0,044	0,78
MICRO 50Cx38	38	124	86		1880		0,065	0,89
MICRO 50Cx50	50	148	98		1905		0,084	0,99
MICRO 50Cx63	63	174	111		1925		0,104	1,12
MICRO 50Cx80	80	208	128		1940		0,131	1,28

## MICRO 63

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**12,57 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

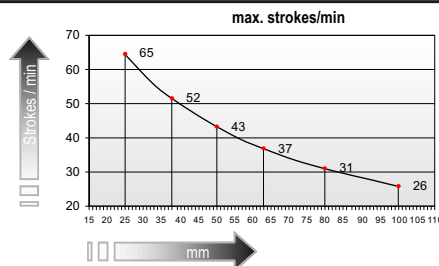
**0,33% / 1°C**

Max. stem speed

**0,6 m/s**

Maintenance kit

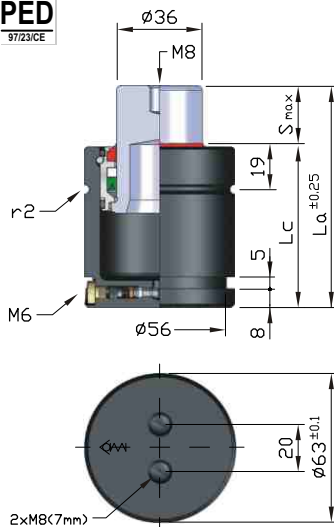
**kit M63**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 63x25	25	90	65	1900 (±5%)	3300	150	0,073	0,93
MICRO 63x38	38	116	78		3340		0,110	1,39
MICRO 63x50	50	140	90		3360		0,143	1,65
MICRO 63x63	63	166	103		3370		0,180	1,81
MICRO 63x80	80	200	120		3380		0,227	1,90
MICRO 63x100	100	240	140		3390		0,283	2,23

## MICRO 63V

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**10,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

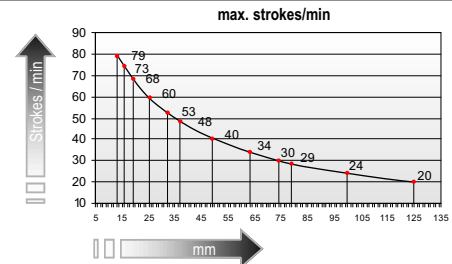
**0,33% / 1°C**

Max. stem speed

**1 m/s**

Maintenance kit

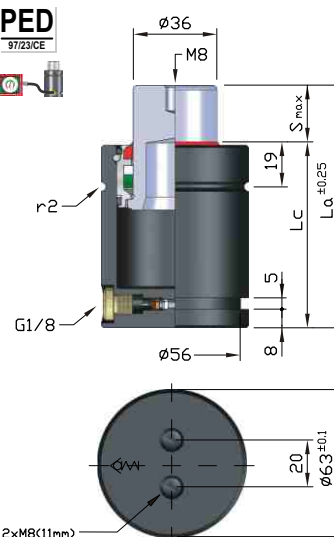
**kit M63V**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 63Vx13	13	70	57	1500 (±5%)	2235	150	0,042	0,95
MICRO 63Vx16	16	76	60		2275		0,050	0,97
MICRO 63Vx19	19	82	63		2320		0,056	1,15
MICRO 63Vx25	25	94	69		2370		0,071	1,27
MICRO 63Vx32	32	108	76		2420		0,088	1,35
MICRO 63Vx38	38	120	82		2445		0,103	1,40
MICRO 63Vx50	50	144	94		2480		0,133	1,55
MICRO 63Vx63	63	170	107		2505		0,164	1,71
MICRO 63Vx75	75	194	119		2520		0,194	1,83
MICRO 63Vx80	80	204	124		2525		0,206	1,95
MICRO 63Vx100	100	244	144		2540		0,255	2,32
MICRO 63Vx125	125	294	169		2555		0,317	2,82

## MICRO 63C

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**10,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

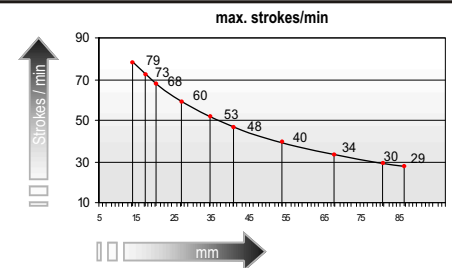
**0,33% / 1°C**

Max. stem speed

**1 m/s**

Maintenance kit

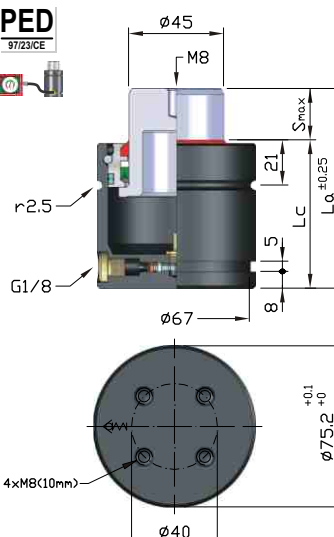
**kit M63C**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 63Cx13	13	80	67	1500 (±5%)	2085	150	0,050	1,18
MICRO 63Cx16	16	86	70		2140		0,057	1,22
MICRO 63Cx19	19	92	73		2185		0,064	1,36
MICRO 63Cx25	25	104	79		2250		0,079	1,41
MICRO 63Cx32	32	118	86		2310		0,096	1,75
MICRO 63Cx38	38	130	92		2345		0,111	1,85
MICRO 63Cx50	50	154	104		2395		0,140	2,10
MICRO 63Cx63	63	180	117		2430		0,172	2,28
MICRO 63Cx75	75	204	129		2455		0,202	2,60
MICRO 63Cx80	80	214	134		2465		0,214	2,70

## MICRO 75

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**15,90 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

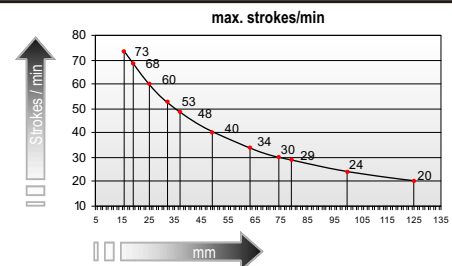
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

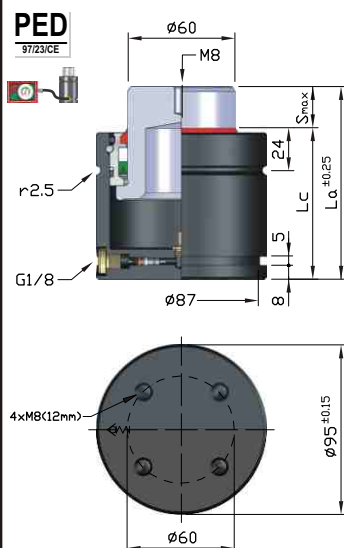
Maintenance kit

**kit M75**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	Kg
MICRO 75x16	16	77	61	2400 (±5%)	3525	150	0,079	1,40
MICRO 75x19	19	83	64		3570		0,091	1,43
MICRO 75x25	25	95	70		3630		0,116	1,45
MICRO 75x32	32	109	77		3680		0,145	1,65
MICRO 75x38	38	121	83		3710		0,170	1,70
MICRO 75x50	50	145	95		3745		0,219	1,80
MICRO 75x63	63	171	108		3775		0,273	2,10
MICRO 75x75	75	195	120		3790		0,322	2,15
MICRO 75x80	80	205	125		3795		0,343	2,25
MICRO 75x100	100	245	145		3810		0,425	2,60
MICRO 75x125	125	295	170		3825		0,528	3,10

## MICRO 95



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**28,27 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

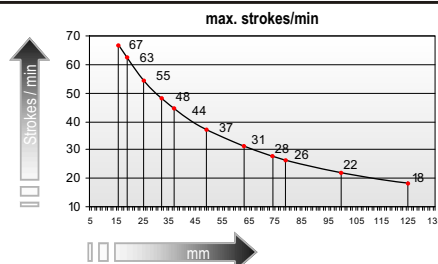
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

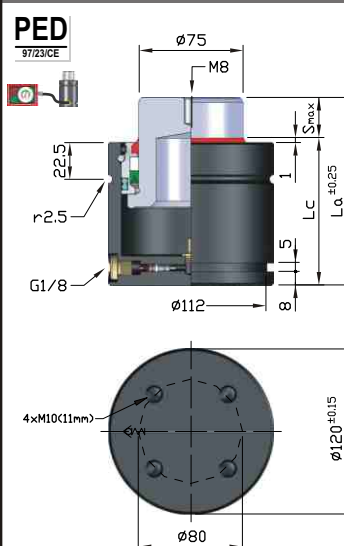
Maintenance kit

**kit M95**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 95x16	16	90	74	4200 (±5%)	6110	150	0,148	2,80
MICRO 95x19	19	96	77		6240		0,168	2,90
MICRO 95x25	25	108	83		6440		0,207	3,10
MICRO 95x32	32	122	90		6605		0,253	3,25
MICRO 95x38	38	134	96		6710		0,292	3,70
MICRO 95x50	50	158	108		6855		0,371	3,90
MICRO 95x63	63	184	121		6965		0,456	4,40
MICRO 95x75	75	208	133		7035		0,534	4,75
MICRO 95x80	80	218	138		7055		0,567	4,90
MICRO 95x100	100	258	158		7130		0,698	6,00
MICRO 95x125	125	308	183		7190		0,862	6,50

## MICRO 120



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**44,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

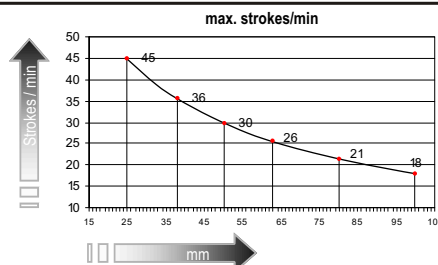
**0,33% / 1°C**

Max. stem speed

**0,6 m/s**

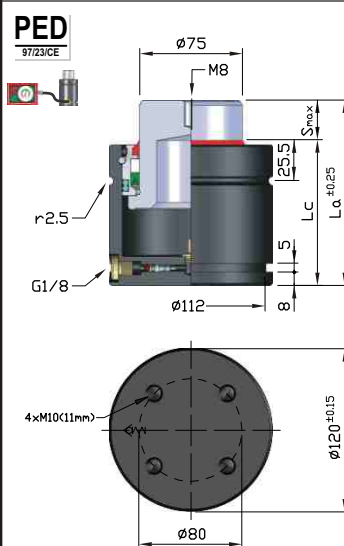
Maintenance kit

**kit M120**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 120x25	25	108	83	6600 (±5%)	10255	150	0,312	5,0
MICRO 120x38	38	134	96		10635		0,445	5,5
MICRO 120x50	50	158	108		10845		0,568	5,9
MICRO 120x63	63	184	121		10990		0,701	6,4
MICRO 120x80	80	218	138		11220		0,863	7,1
MICRO 120x100	100	258	158		11305		1,068	7,9

## MICRO 120V



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**44,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

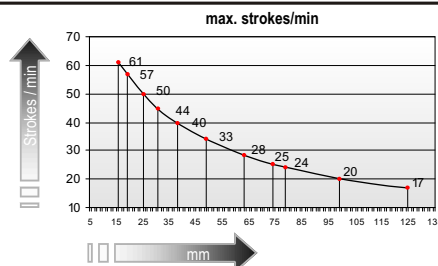
**0,33% / 1°C**

Max. stem speed

**0,6 m/s**

Maintenance kit

**kit M120V**

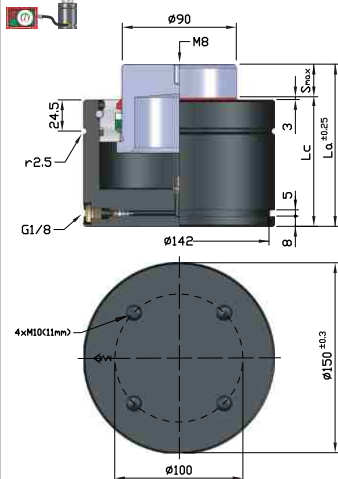


Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
MICRO 120Vx16	16	100	84	6600 (±5%)	8755	150	0,291	5,20
MICRO 120Vx19	19	106	87		8965		0,322	5,35
MICRO 120Vx25	25	118	93		9310		0,383	5,40
MICRO 120Vx32	32	132	100		9620		0,455	5,60
MICRO 120Vx38	38	144	106		9825		0,516	5,95
MICRO 120Vx50	50	168	118		10130		0,639	6,30
MICRO 120Vx63	63	194	131		10365		0,772	6,70
MICRO 120Vx75	75	218	143		10525		0,895	7,05
MICRO 120Vx80	80	228	148		10580		0,946	7,55
MICRO 120Vx100	100	268	168		10760		1,150	8,40
MICRO 120Vx125	125	318	193		10915		1,406	9,45



## MICRO 150

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

63,62 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

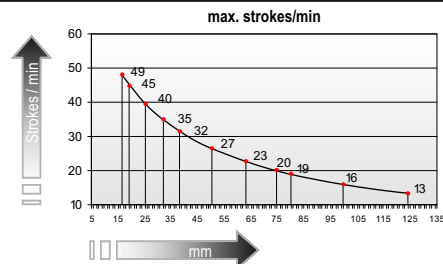
0,33% / 1°C

Max. stem speed

0,6 m/s

Maintenance kit

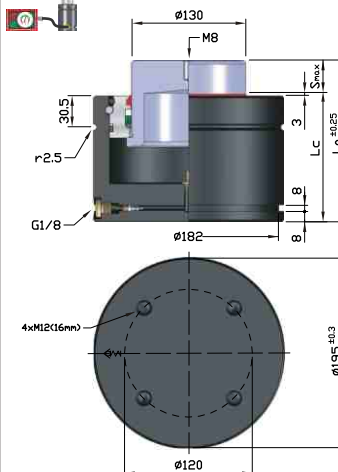
kit M150



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
MICRO 150x16	16	110	94	9500 (±5%)	12900	150	0,391	9,50
MICRO 150x19	19	116	97		13165		0,439	9,60
MICRO 150x25	25	128	103		13570		0,536	9,85
MICRO 150x32	32	142	110		13905		0,649	10,50
MICRO 150x38	38	154	116		14120		0,746	10,85
MICRO 150x50	50	178	128		14430		0,939	11,45
MICRO 150x63	63	204	141		14655		1,149	12,05
MICRO 150x75	75	228	153		14805		1,342	12,45
MICRO 150x80	80	238	158		14860		1,423	13,70
MICRO 150x100	100	278	178		15015		1,745	14,80
MICRO 150x125	125	328	203		15150		2,148	15,75

## MICRO 195

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure

150 Bar

Min. charging pressure

35 Bar

Rod seal area

132,73 cm<sup>2</sup>

Max. working temperature

80°C

Force increase by temperature

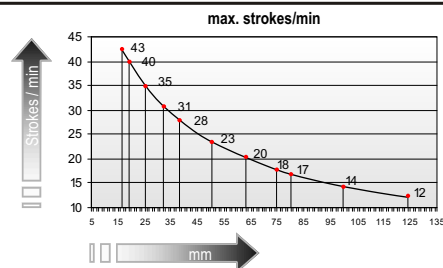
0,33% / 1°C

Max. stem speed

0,5 m/s

Maintenance kit

kit M195



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
MICRO 195x16	16	142	126	20000 (±5%)	25355	150	0,989	20,85
MICRO 195x19	19	148	129		25880		1,094	21,45
MICRO 195x25	25	160	135		26780		1,294	22,10
MICRO 195x32	32	174	142		27580		1,528	22,85
MICRO 195x38	38	186	148		28090		1,732	23,45
MICRO 195x50	50	210	160		28915		2,131	24,70
MICRO 195x63	63	236	173		29535		2,566	26,10
MICRO 195x75	75	260	185		29930		2,974	27,25
MICRO 195x80	80	270	190		29995		3,158	28,20
MICRO 195x100	100	310	210		30450		3,835	31,10
MICRO 195x125	125	360	235		30830		4,685	35,20