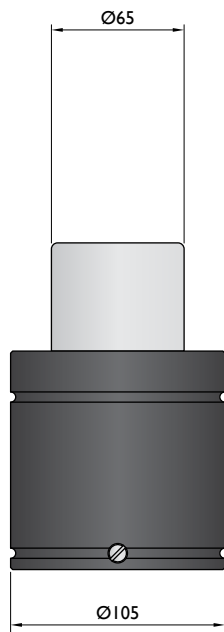
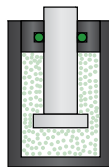
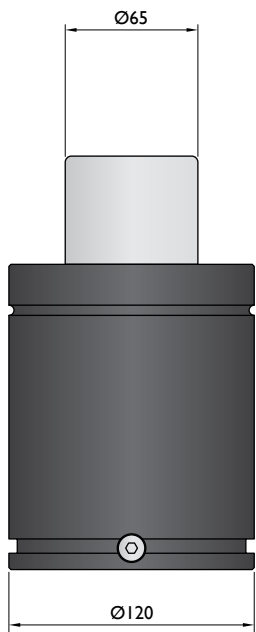


Force 5000 daN

Piston Rod Sealed
gas springs



KC-5000



HG-5000



G-5000

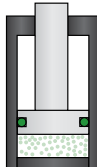
Model	KC-5000	HG-5000	G-5000
Initial F (daN)	5000	5000	5000
L max (mm)	2xStroke+60	2xStroke+102.5	2xStroke+140
Stroke (mm)	12-125	25-200	25-300
		* other strokes under request	

Standards

PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901	ISO 11901
VDI 3003	VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700

Force 5000 daN

Bore Sealed
gas springs



TS-4700

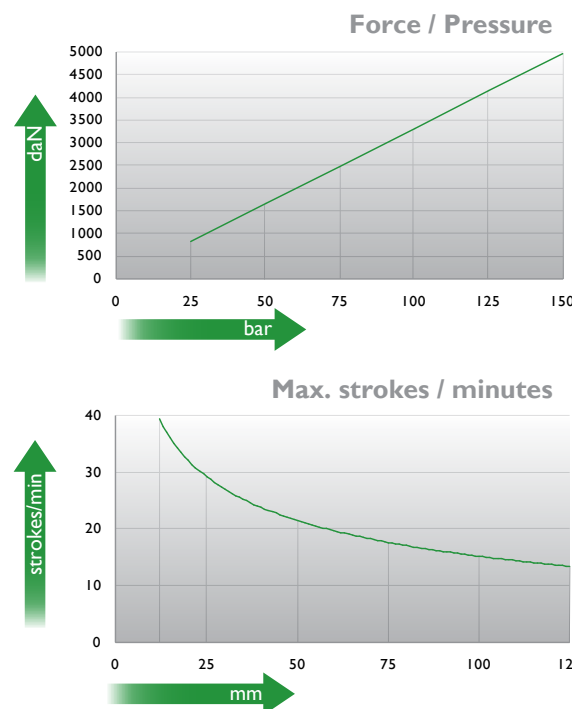
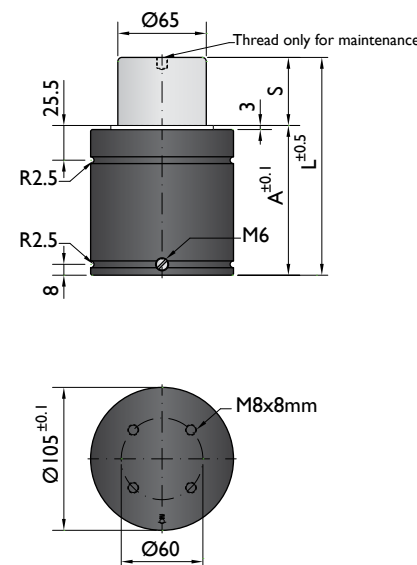


TSC-4700

Model	TS-4700	TSC-4700
Initial F (daN)	4700	4700
L max (mm)	80-273	100-293
Stroke (mm)	10-65	10-65
	* other strokes under request	

Standards

PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901
VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700



Ordering example: 4 x KC-5000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	⁽³⁾	kg
				(20°C, 150 bar)			
KC-5000-12	12	84	72	5000	7200	No	3.77
KC-5000-25	25	110	85		7800	No	4.20
KC-5000-38	38	136	98		7900	No	4.56
KC-5000-50	50	160	110		8800	No	4.90
KC-5000-63	63	186	123		8700	No	5.40
KC-5000-80	80	220	140		8700	No	5.96
KC-5000-100	100	260	160		8700	No	6.74
KC-5000-125	125	310	185		8700	No	7.58

⁽¹⁾ other strokes under request

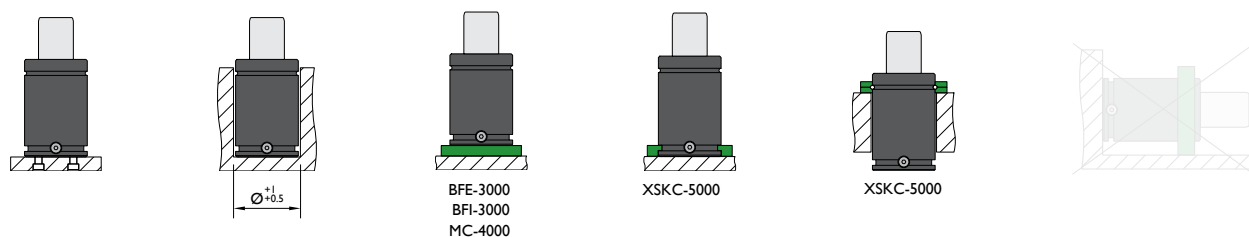
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



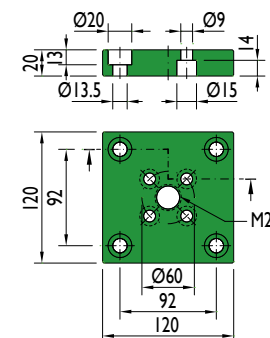
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KC-5000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

Mounting possibilities

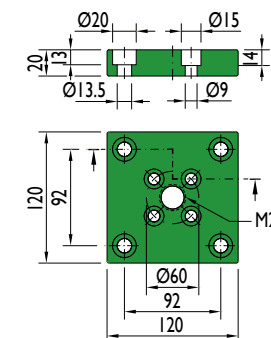


Flanges

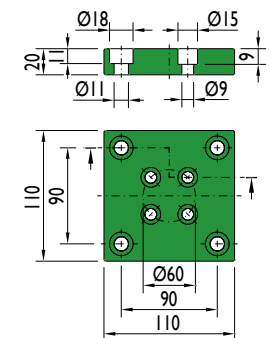
BFE-3000



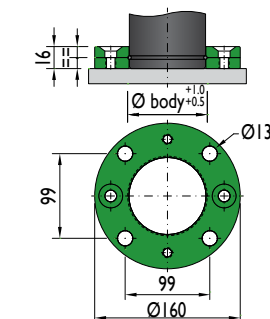
BFI-3000



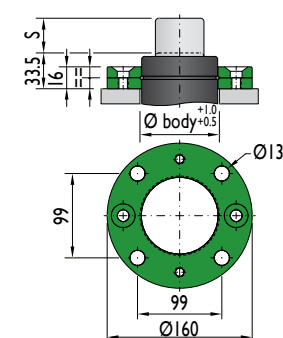
MC-4000

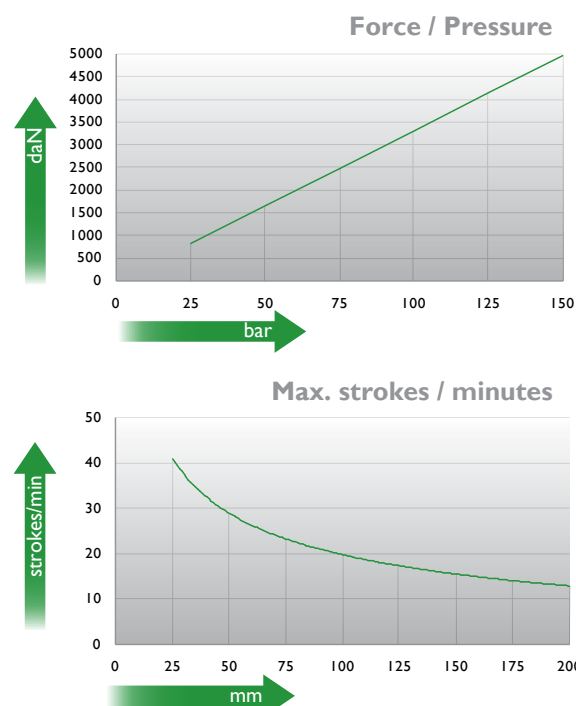
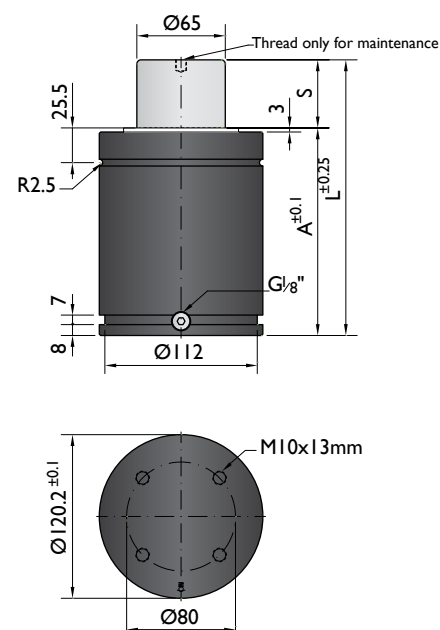


XSKC-5000



XSKC-5000





Ordering example: 4 x HG-5000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	⁽³⁾	kg
				(20°C, 150 bar)			
HG-5000-25	25	152.5	127.5	5000	8000	No	9.04
HG-5000-38	37.5	177.5	140		8100	No	9.70
HG-5000-50	50	202.5	152.5		8200	No	10.35
HG-5000-63	62.5	227.5	165		8300	No	11.01
HG-5000-80	80	262.5	182.5		8300	No	11.93
HG-5000-100	100	302.5	202.5		8400	No	12.98
HG-5000-125	125	352.5	227.5		8400	No	14.30
HG-5000-160	160	422.5	262.5		8400	No	16.14
HG-5000-200	200	502.5	302.5		8500	No	18.25

other strokes under request

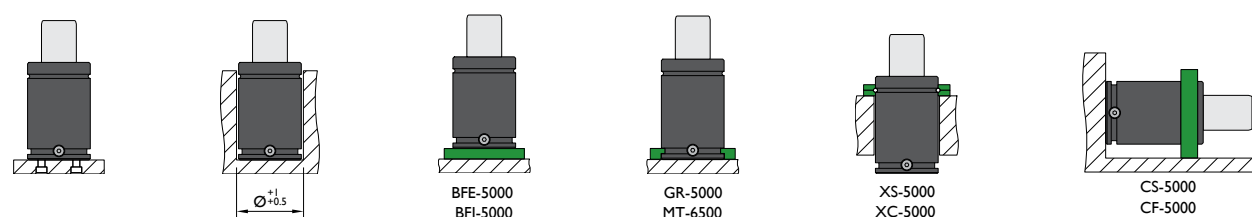
alternative forces upon request

ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT HG-5000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

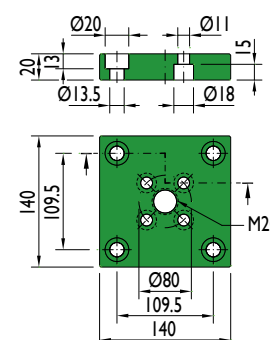
Mounting possibilities



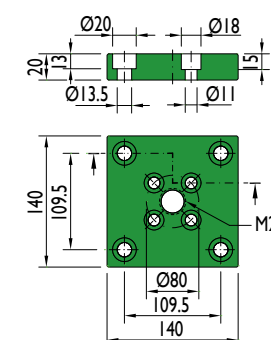
Flange must not support spring's force

Flanges

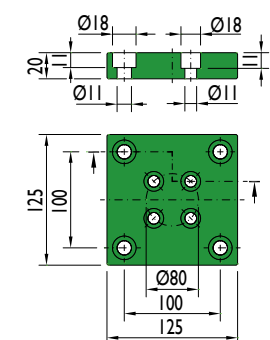
BFE-5000



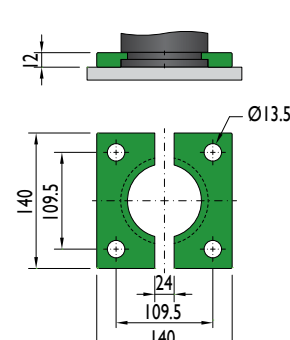
BFI-5000



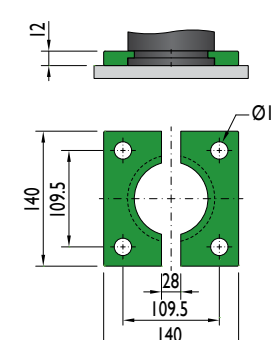
MC-6500



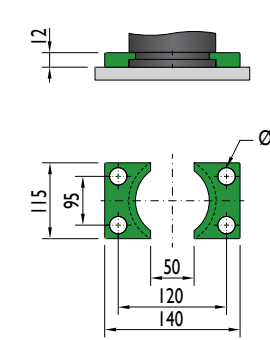
GR-5000



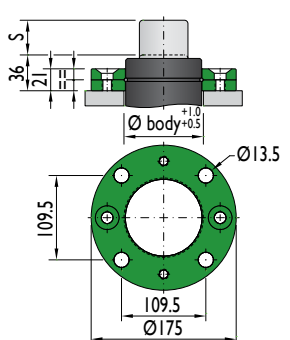
MT-6500



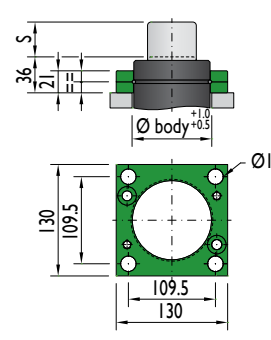
AR-5000



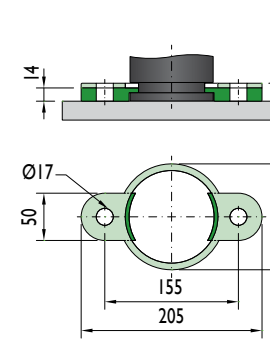
XS-5000



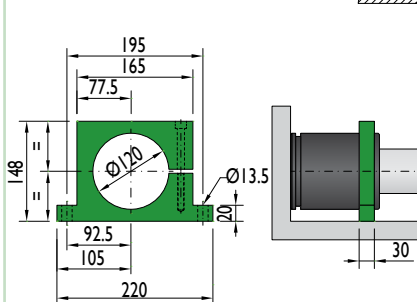
XC-5000



PR-5000

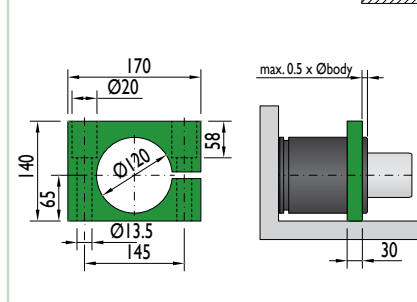


CS-5000



Flange must not support spring's force

CF-5000

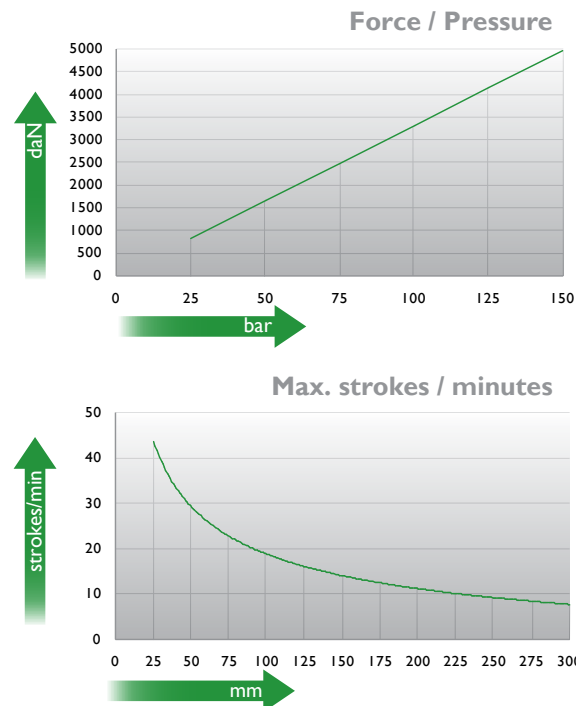
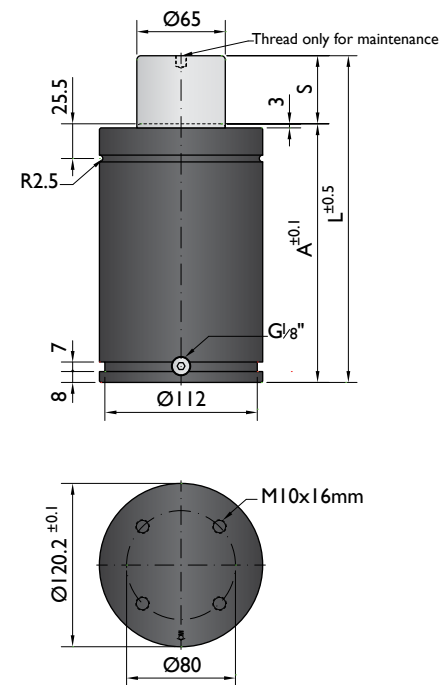


Flange must not support spring's force



CNOMO
EM24.54.700

PSA
E24.54.815.G



Ordering example: 4 x G-5000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	(3)	kg
G-5000-25	25	190	165	5000	5900	No	10.76
G-5000-38	38.1	216.2	178.1		6200	No	11.33
G-5000-50	50	240	190		6400	No	11.80
G-5000-63	63.5	267	203.5		6600	No	12.26
G-5000-80	80	300	220		6700	No	13.21
G-5000-100	100	340	240		7200	No	14.86
G-5000-125	125	390	265		7300	No	16.25
G-5000-160	160	460	300		7400	Yes	17.54
G-5000-200	200	540	340		7500	Yes	21.16
G-5000-250	250	640	390		7500	Yes	22.61
G-5000-300	300	740	440		7600	Yes	26.51

(1) other strokes under request

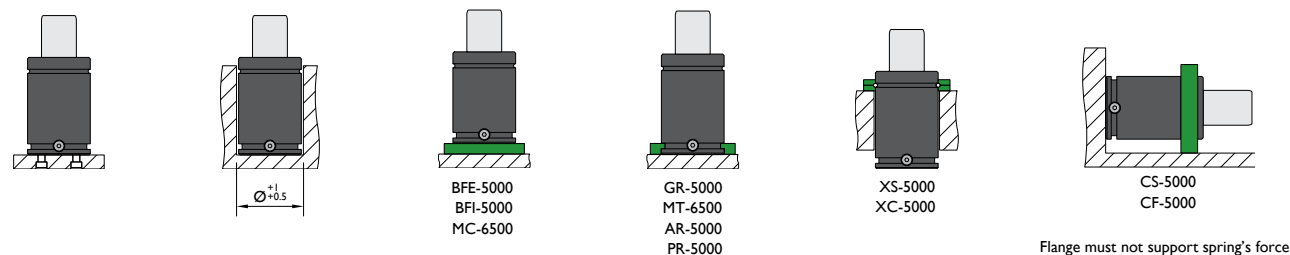
(2) alternative forces upon request

(3) ESK available for other strokes



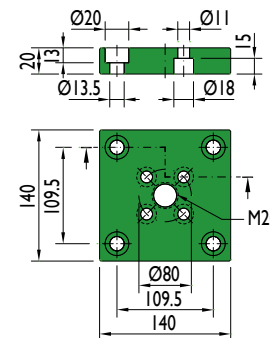
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT G-5000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

Mounting possibilities

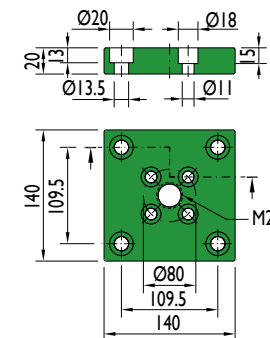


Flanges

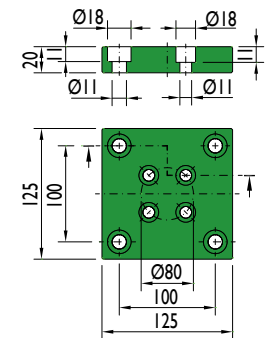
BFE-5000



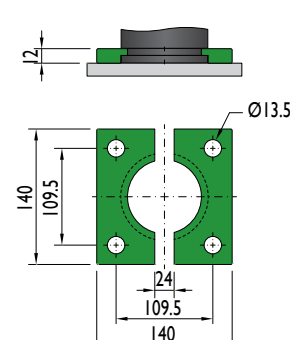
BFI-5000



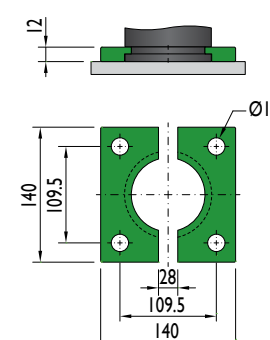
MC-6500



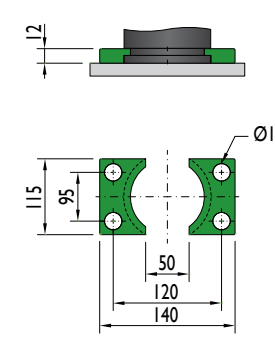
GR-5000



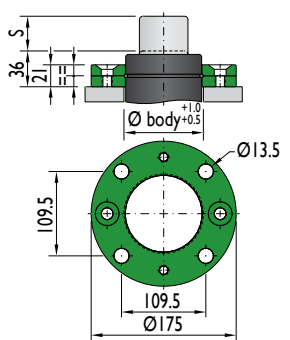
MT-6500



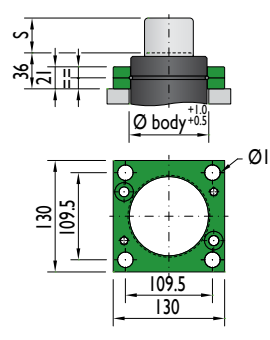
AR-5000



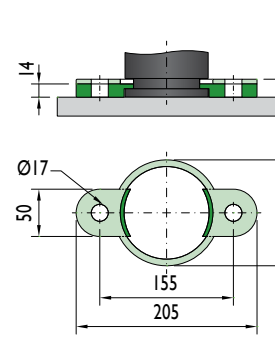
XS-5000



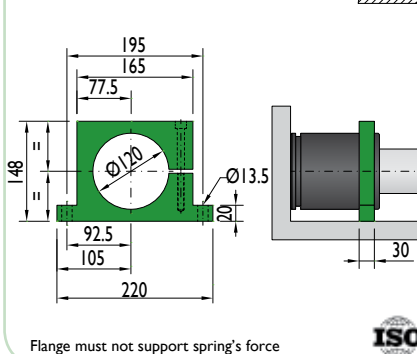
XC-5000



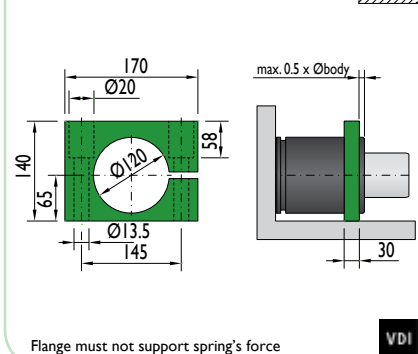
PR-5000



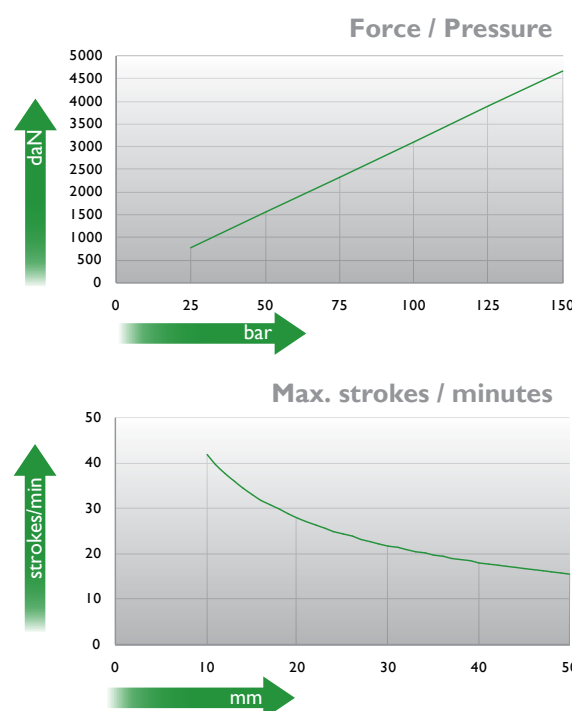
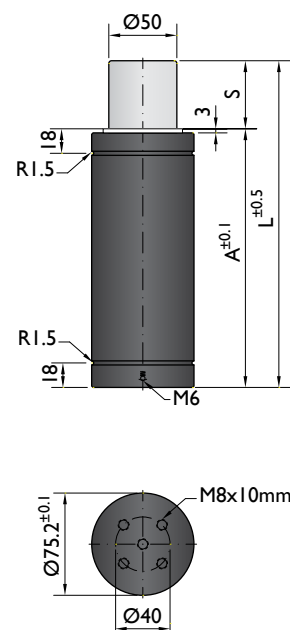
CS-5000



CF-5000



Special mounts available on
www.nitrogas.com



Ordering example: 4 x TS-4700-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
TS-4700-10	10	80	70	4700	6800	No	1.55
TS-4700-16	16	106	90		6800	No	1.80
TS-4700-25	25	135	110		7000	No	2.07
TS-4700-32	32	167	135		6800	No	2.38
TS-4700-40	40	200	160		6800	No	2.72
TS-4700-50	50	240	190		6800	No	3.14
TS-4700-65	65	273	208		7000	No	3.33

⁽¹⁾ other strokes under request

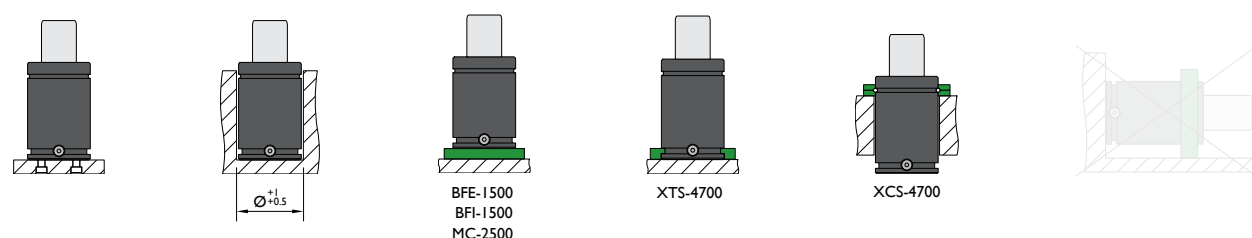
⁽²⁾ alternative forces upon request

⁽³⁾ ESK under request



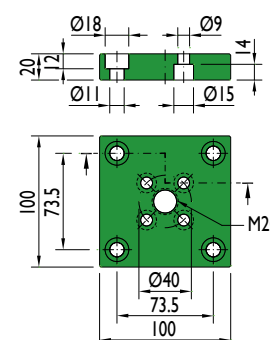
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT TS-4700
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	No

Mounting possibilities

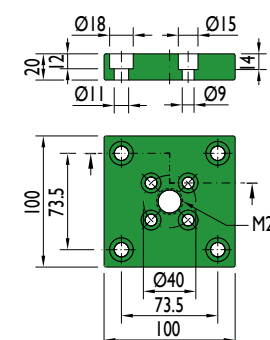


Flanges

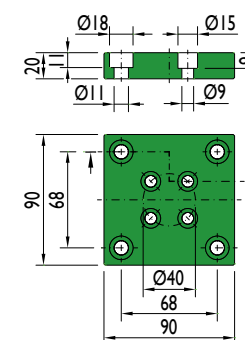
BFE-1500



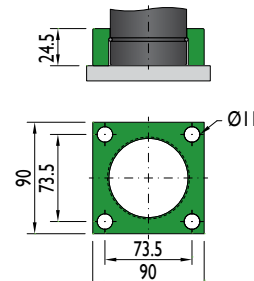
BFI-1500



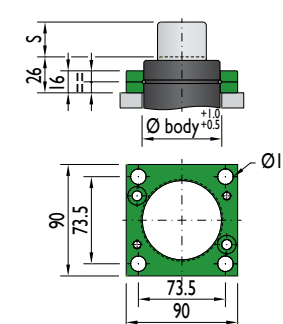
MC-2500

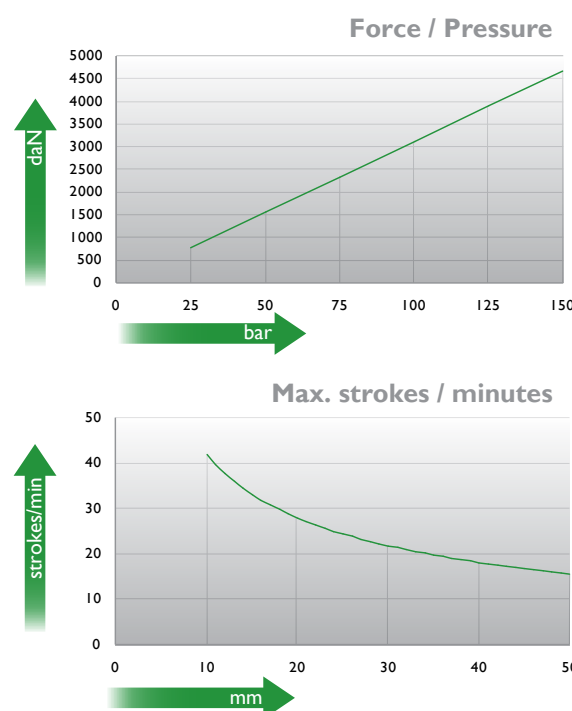
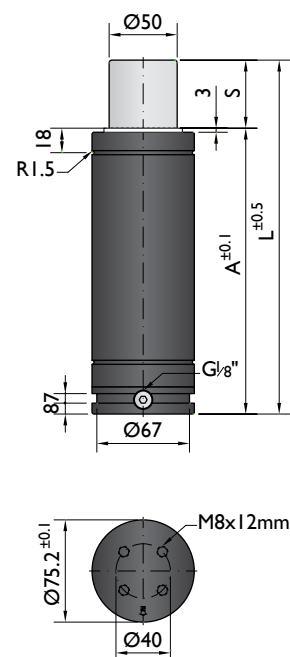


XTS-4700



XCS-4700





Ordering example: 4 x TSC-4700-65

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾ kg
TSC-4700-10	10	100	90	4700	6800	2.11
TSC-4700-16	16	126	110		6800	2.36
TSC-4700-25	25	155	130		7000	2.63
TSC-4700-32	32	187	155		6800	2.94
TSC-4700-40	40	220	180		6800	3.28
TSC-4700-50	50	260	210		6800	2.70
TSC-4700-65	65	293	228		7000	3.98

⁽¹⁾ other strokes under request

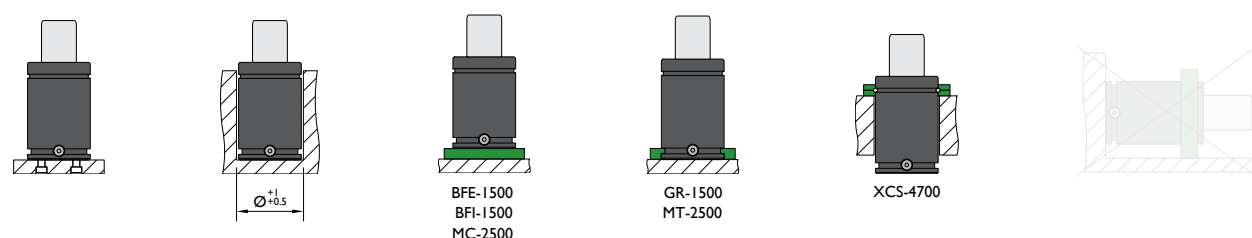
⁽²⁾ alternative forces upon request

⁽³⁾ ESK under request



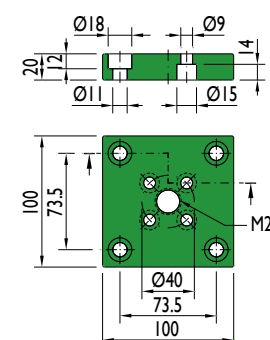
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT TSC-4700
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	G1/8"

Mounting possibilities

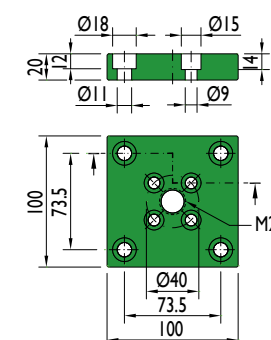


Flanges

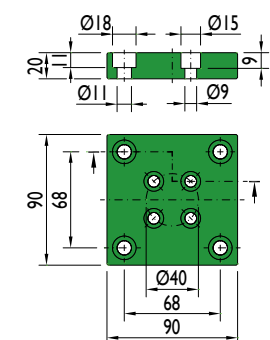
BFE-1500



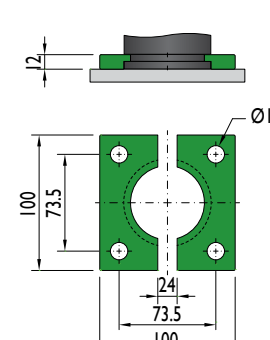
BFI-1500



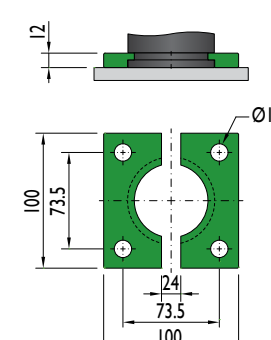
MC-2500



GR-1500



MT-2500



XCS-4700

