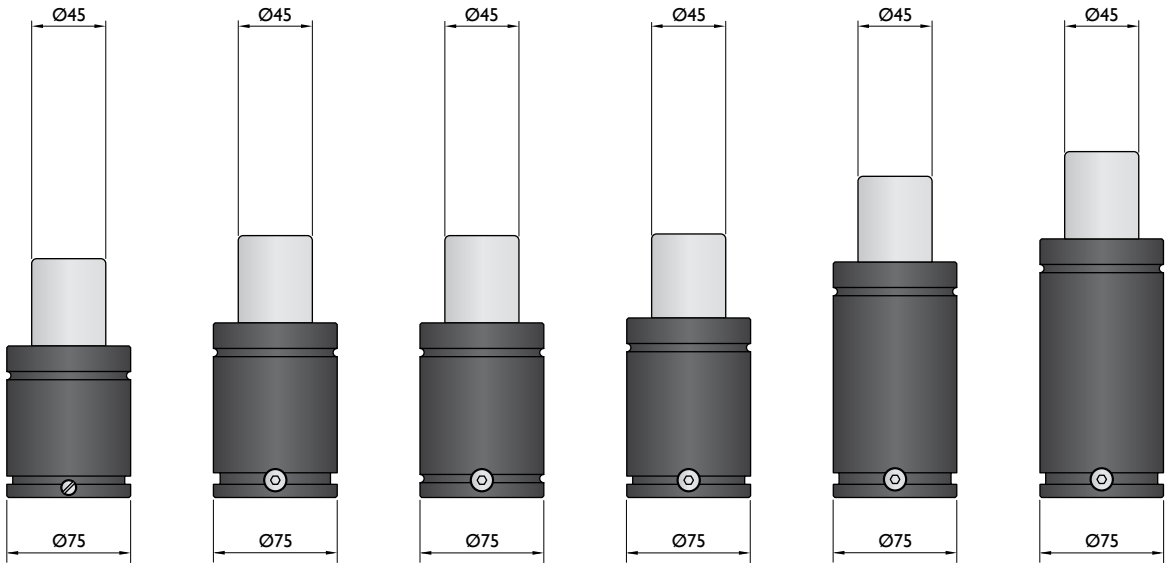
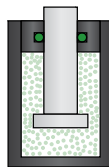


Force 2500 daN

Piston Rod Sealed
gas springs



Model	KP-2400	NR-2400	NT-2400	K-2500	M-2500	HD-2400
Initial F (daN)	2400	2400	2400	2500	2500	2400
L max (mm)	2xStroke+45	2xStroke+59	2xStroke+59	2xStroke+60	2xStroke+95	2xStroke+110
Stroke (mm)	16-125	16-125	16-125	12-125	25-160	25-300

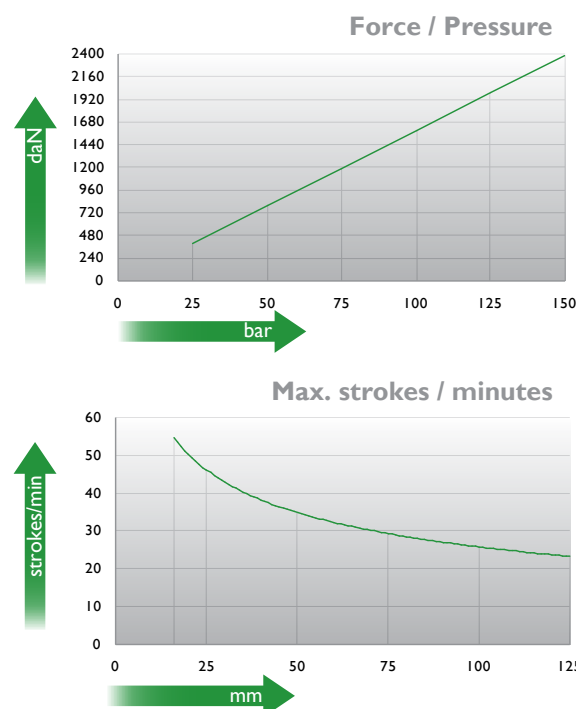
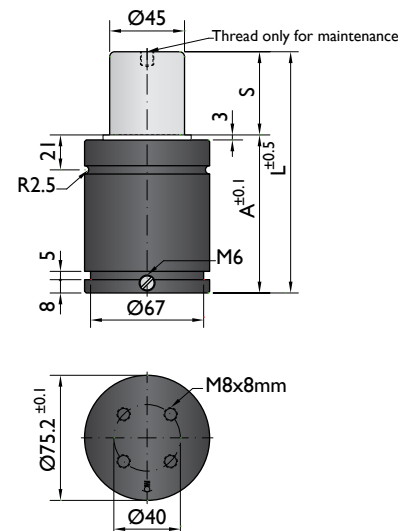
* other strokes under request

Standards

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



PSA
E24.54.815.G



Ordering example: 4 x KP-2400-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
KP-2400-16	16	77	61	2400	3700	No	1.54
KP-2400-19	19	83	64		3800	No	1.57
KP-2400-25	25	95	70		3900	No	1.59
KP-2400-32	32	109	77		4000	No	1.87
KP-2400-38	38	121	83		4000	No	1.94
KP-2400-50	50	145	95		4300	No	2.25
KP-2400-63	63	171	108		4300	No	2.52
KP-2400-75	75	195	120		4100	No	2.68
KP-2400-80	80	205	125		4100	No	2.75
KP-2400-100	100	245	145		4100	No	3.06
KP-2400-125	125	295	170		4100	No	3.31

other strokes under request

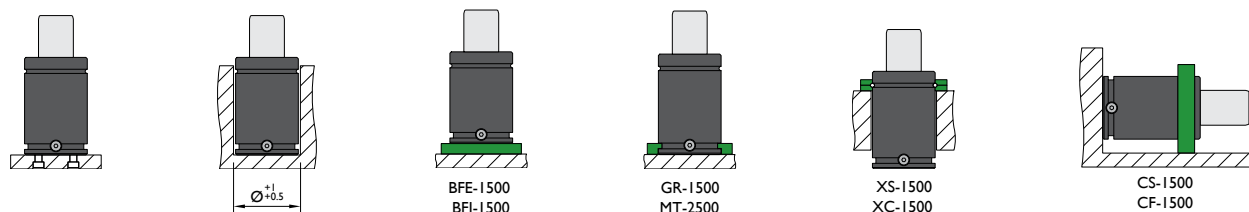
alternative forces upon request

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 KP-2400
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

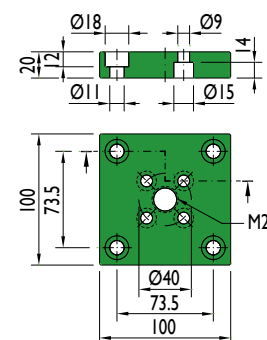
Mounting possibilities



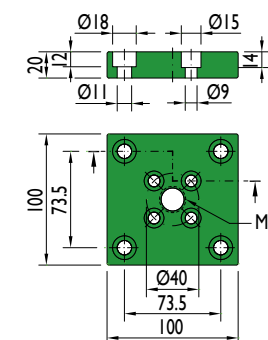
Flange must not support spring's force

Flanges

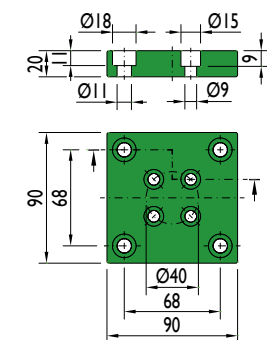
BFE-1500



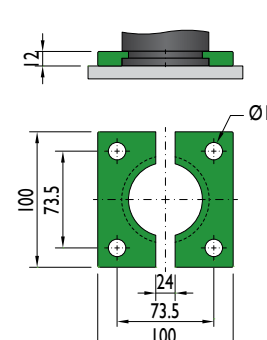
BFI-1500



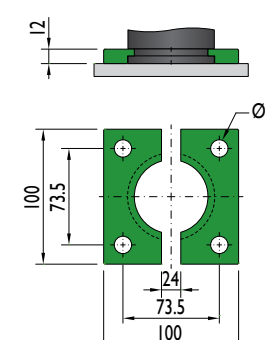
MC-2500



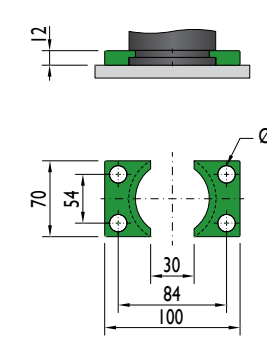
GR-1500



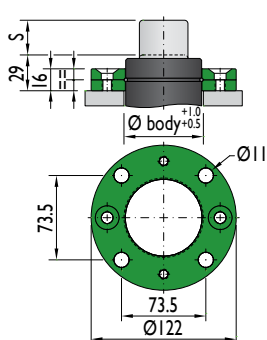
MT-2500



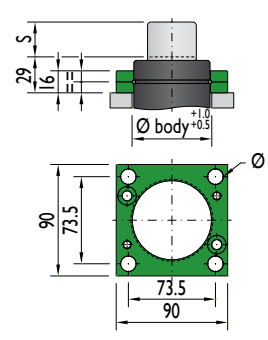
AR-1500



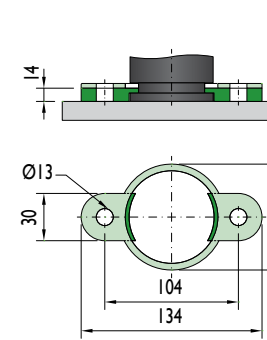
XS-1500



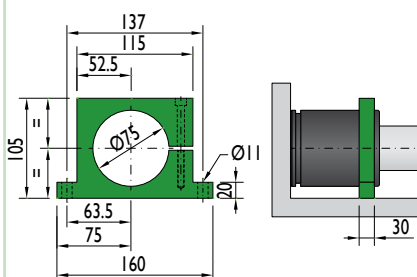
XC-1500



PR-1500

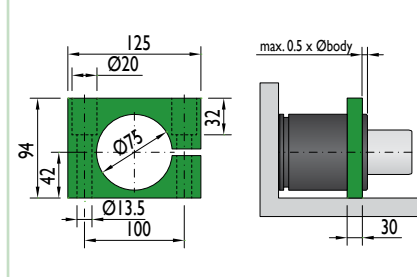


CS-1500

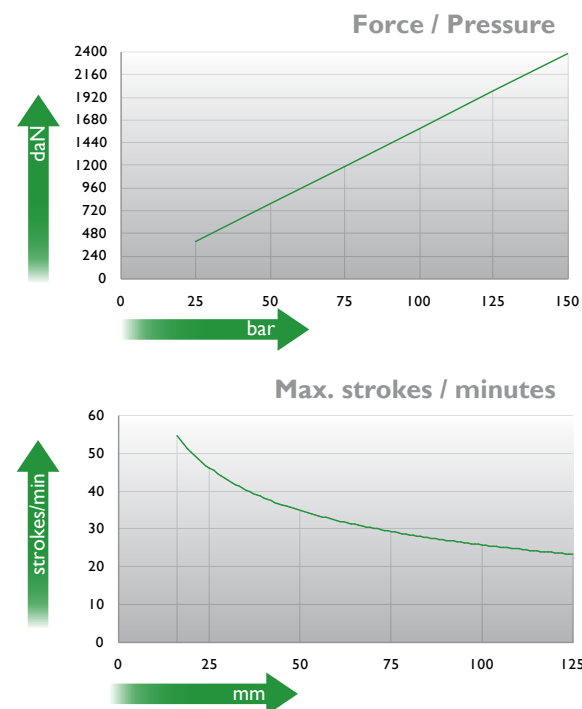
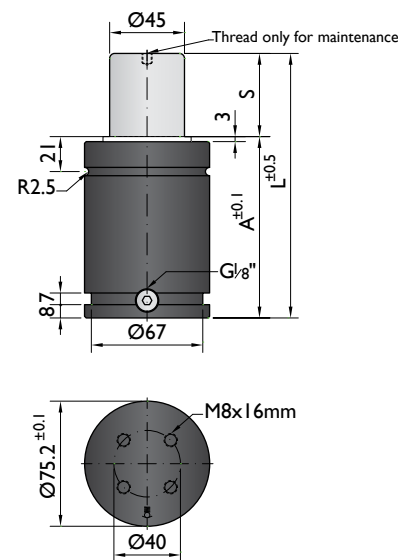


Flange must not support spring's force

CF-1500



Flange must not support spring's force



Ordering example: 4 x NR-2400-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	 F ₀ ⁽²⁾ daN (20°C, 1,50 bar)	 F daN		kg
NR-2400-16	16	91	75	2400	3700	No	2.01
NR-2400-19	19	97	78		3800	No	2.06
NR-2400-25	25	109	84		3900	No	2.17
NR-2400-32	32	123	91		4000	No	2.30
NR-2400-38	38	135	97		4000	No	2.41
NR-2400-50	50	159	109		4300	No	2.63
NR-2400-63	63	185	122		4300	No	2.86
NR-2400-75	75	209	134		4100	No	3.09
NR-2400-80	80	219	139		4100	No	3.15
NR-2400-100	100	259	159		4100	No	3.54
NR-2400-125	125	309	184		4100	No	4.05

(1)
other strokes under request

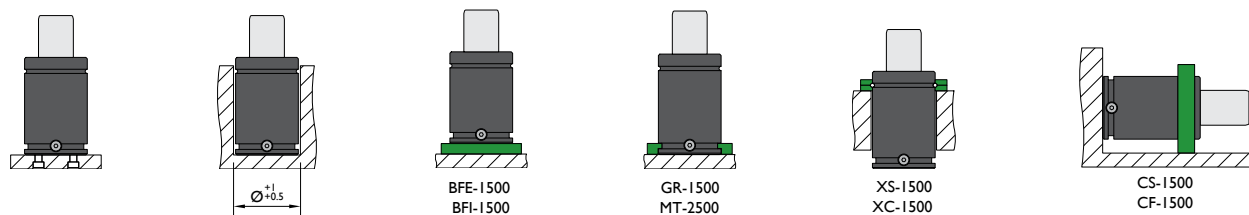
(2)
alternative forces upon request

(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 NR-2400
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

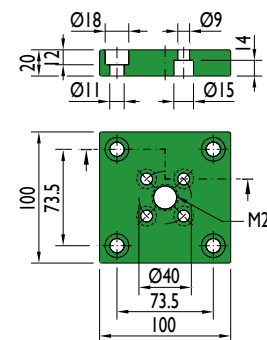
Mounting possibilities



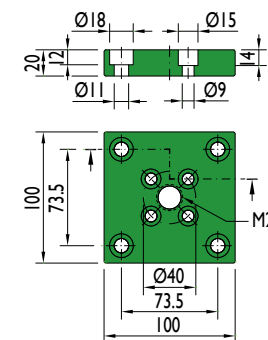
Flange must not support spring's force

Flanges

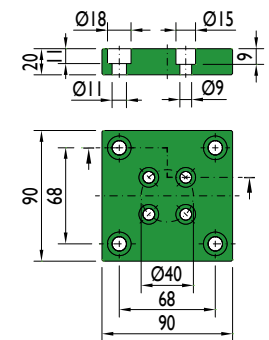
BFE-1500



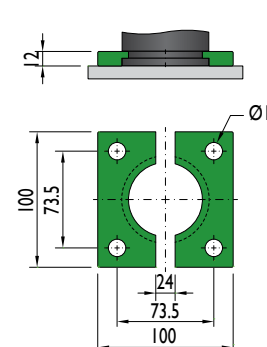
BFI-1500



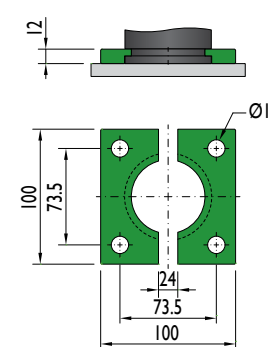
MC-2500



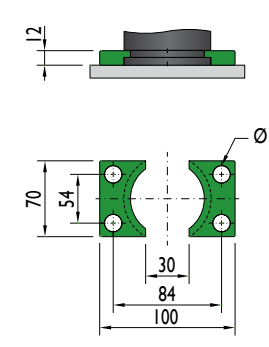
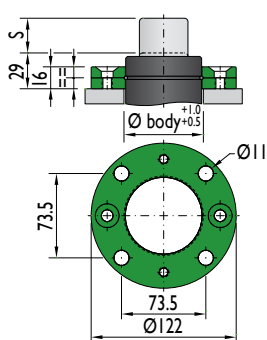
GR-1500



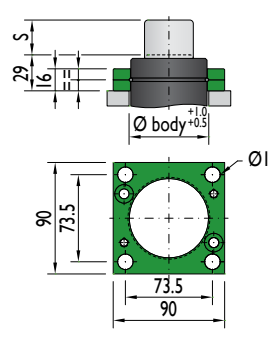
MT-2500



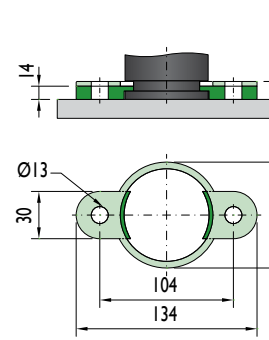
AR-1500

**XS-1500**

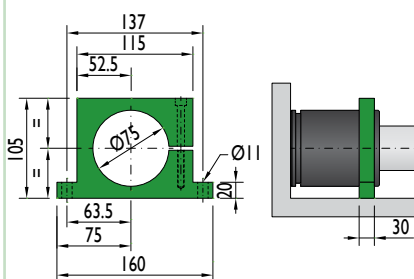
XC-1500



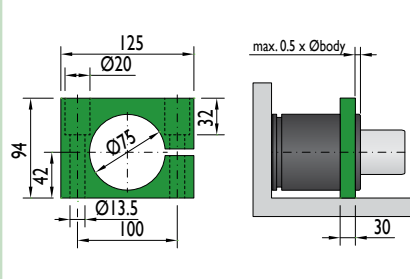
PR-1500



CS-1500



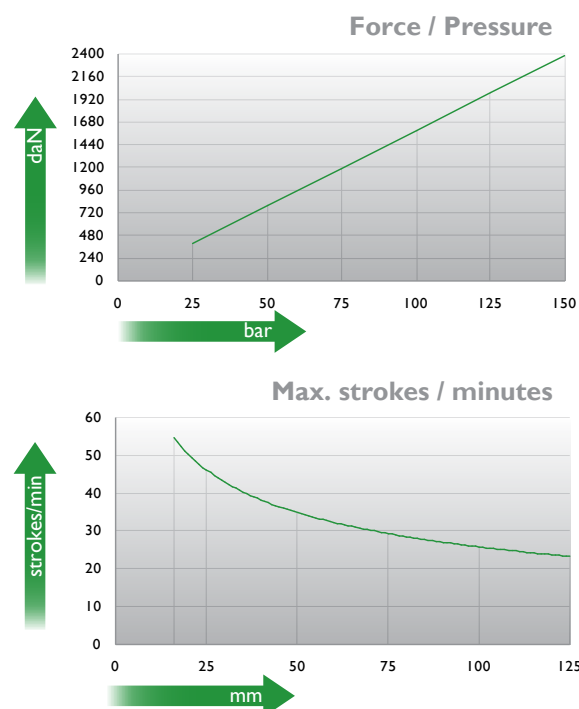
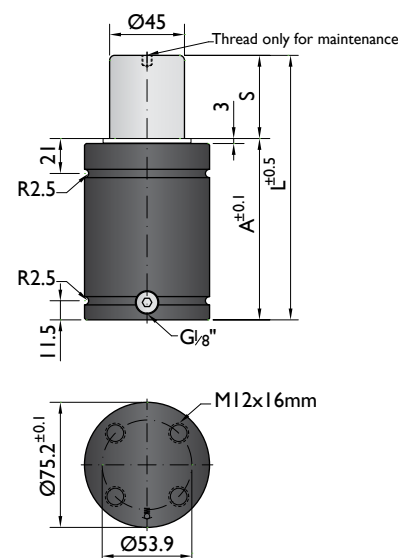
CF-1500





PSA
E24.54.815.G

SMS DNH
3203N



Ordering example: 4 x NT-2400-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	 ⁽³⁾	kg
NT-2400-16	16	91	75	2400	3700	No	2.01
NT-2400-19	19	97	78		3800	No	2.06
NT-2400-25	25	109	84		3900	No	2.17
NT-2400-32	32	123	91		4000	No	2.30
NT-2400-38	38	135	97		4000	No	2.41
NT-2400-50	50	159	109		4300	No	2.63
NT-2400-63	63	185	122		4300	No	2.86
NT-2400-75	75	209	134		4100	No	3.09
NT-2400-80	80	219	139		4100	No	3.15
NT-2400-100	100	259	159		4100	No	3.54
NT-2400-125	125	309	184		4100	No	4.05

⁽¹⁾ other strokes under request

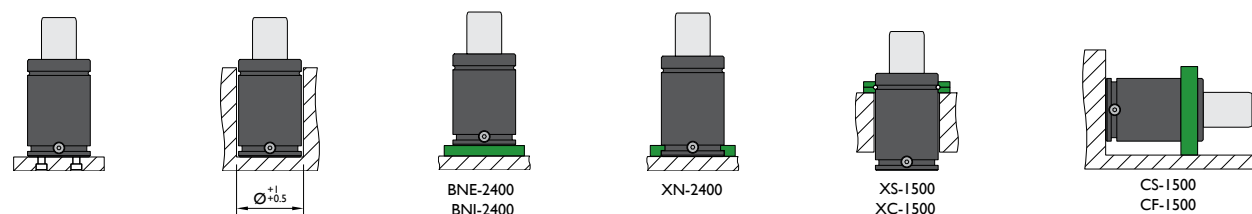
⁽²⁾ alternative forces upon request

⁽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 NT-2400
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

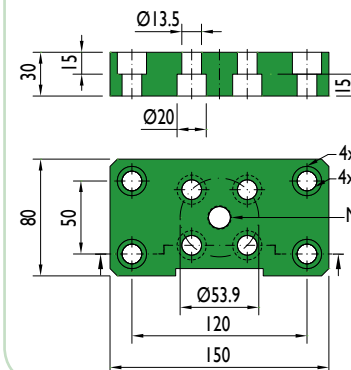
Mounting possibilities



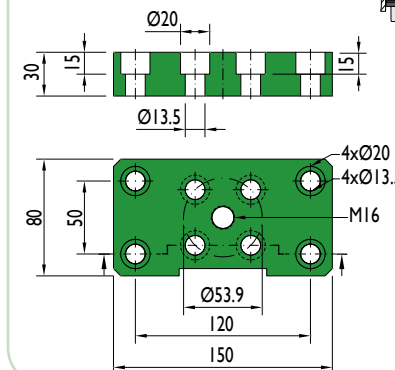
Flange must not support spring's force

Flanges

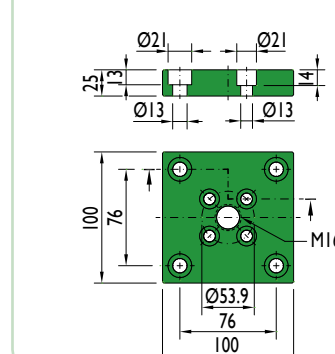
BNE-2400



BNI-2400

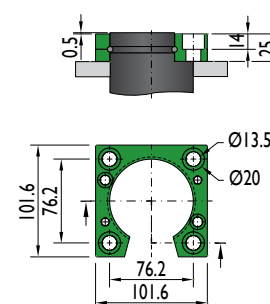


BFP-2400

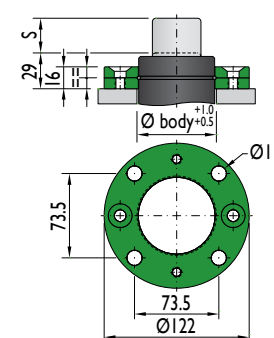


PSA
E24.54.815.G

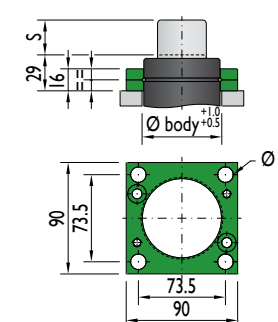
XN-2400



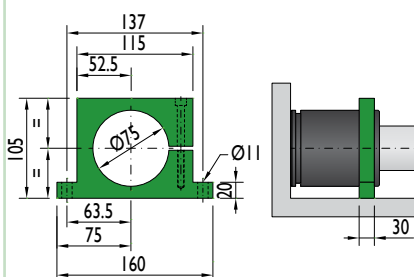
XS-1500



XC-1500



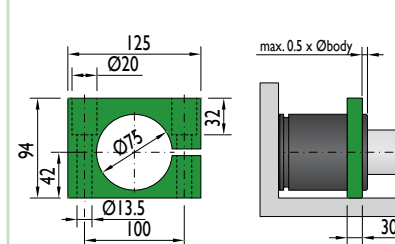
CS-1500



Flange must not support spring's force

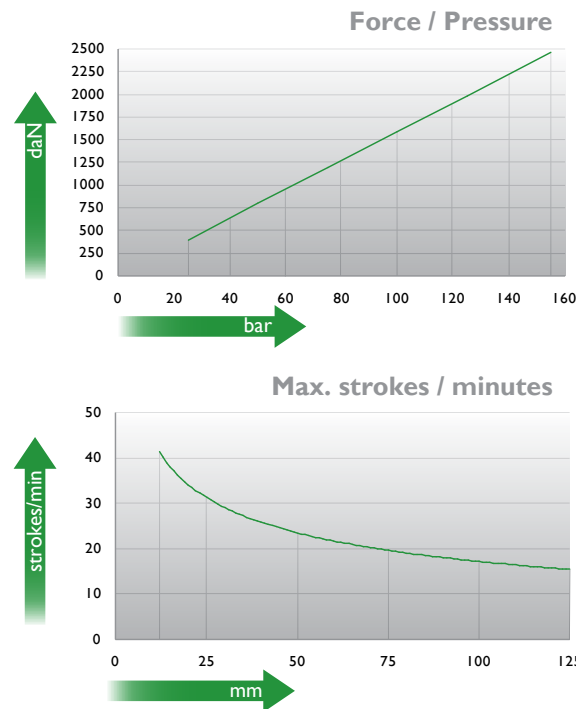
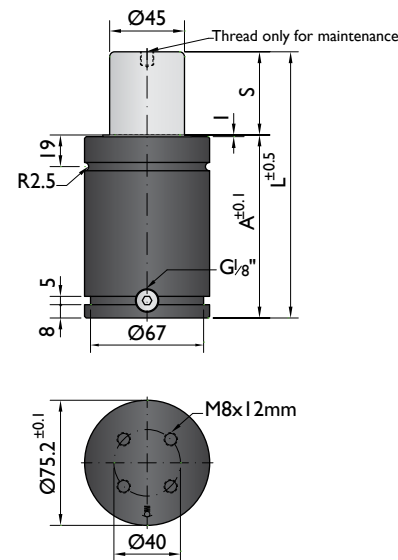


CF-1500



Flange must not support spring's force





Ordering example: 4 x K-2500-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	⁽³⁾	kg
(20°C, 155 bar)							
K-2500-12	12	84	72	2500	3500	No	1.96
K-2500-25	25	110	85		3800	No	2.18
K-2500-38	38	136	98		4000	No	2.43
K-2500-50	50	160	110		4300	No	2.82
K-2500-63	63	186	123		4100	No	2.96
K-2500-80	80	220	140		4100	No	3.20
K-2500-100	100	260	160		4100	No	3.45
K-2500-125	125	310	185		4100	No	3.80

other strokes under request

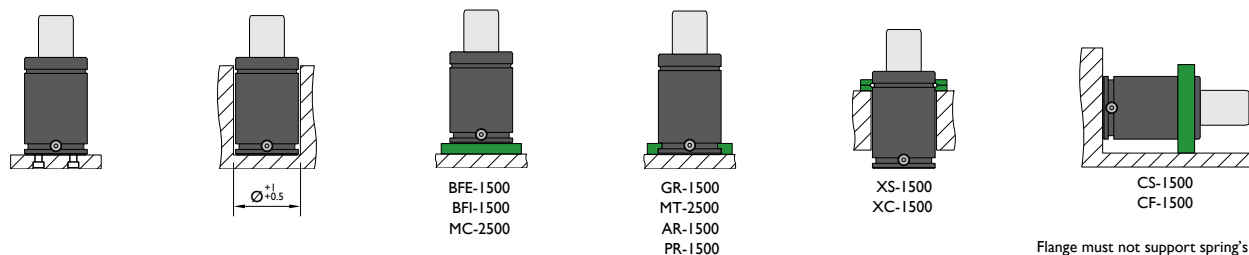
alternative forces upon request

ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	155 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT K-2500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

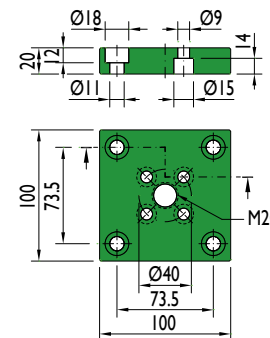
Mounting possibilities



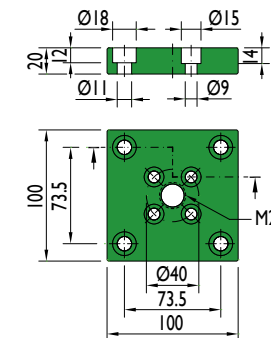
Flange must not support spring's force

Flanges

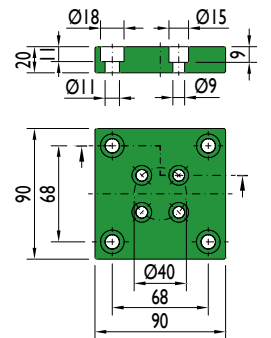
BFE-1500



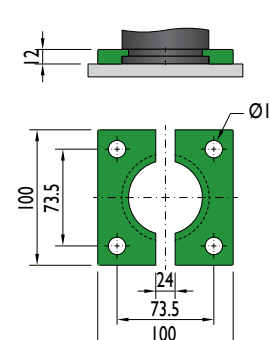
BFI-1500



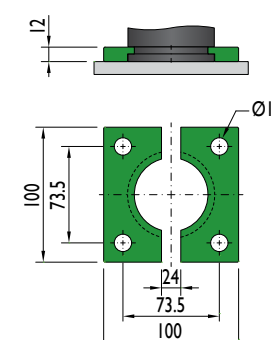
MC-2500



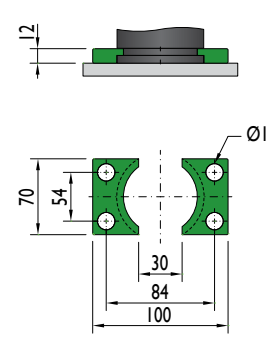
GR-1500



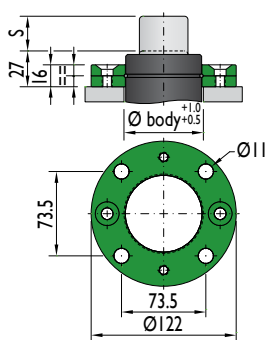
MT-2500



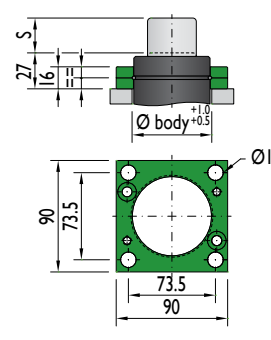
AR-1500



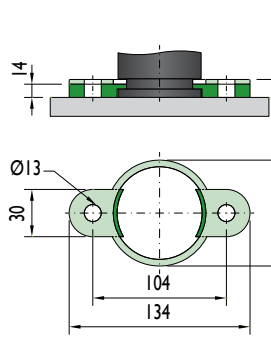
XS-1500



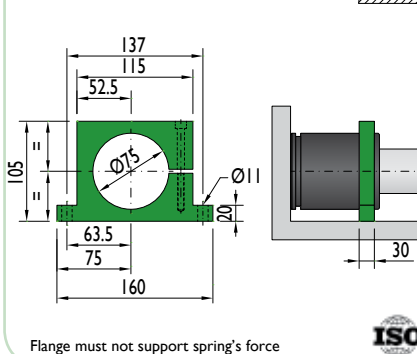
XC-1500



PR-1500

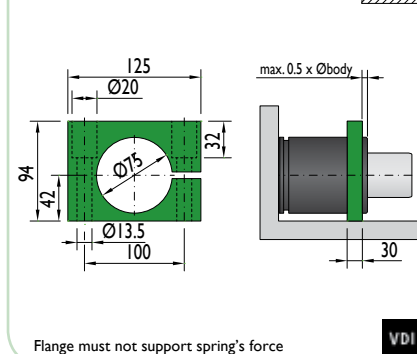


CS-1500



Flange must not support spring's force

CF-1500

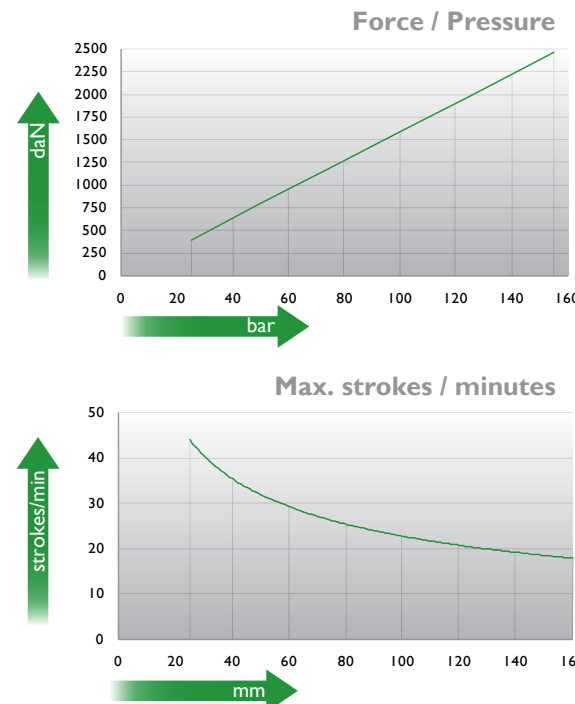
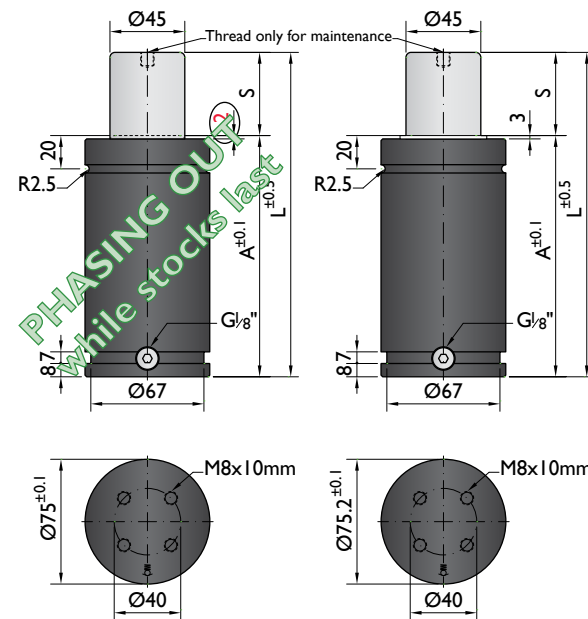


Flange must not support spring's force



*The new cylinder will be supplied when the stock runs out.

NEW MODEL*



Ordering example: 4 x M-2500-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 155 bar)	F daN	⁽³⁾	kg
M-2500-25	25	145	120	2500	3300	No	2.85
M-2500-38	38	171	133		3500	No	3.21
M-2500-50	50	195	145		3600	No	3.29
M-2500-63	63	221	158		3700	No	3.50
M-2500-80	80	255	175		3900	No	3.85
M-2500-100	100	300	200		3900	No	4.30
M-2500-125	125	350	225		3900	No	4.74
M-2500-160	160	425	265		4000	Yes	5.34

⁽¹⁾ other strokes under request

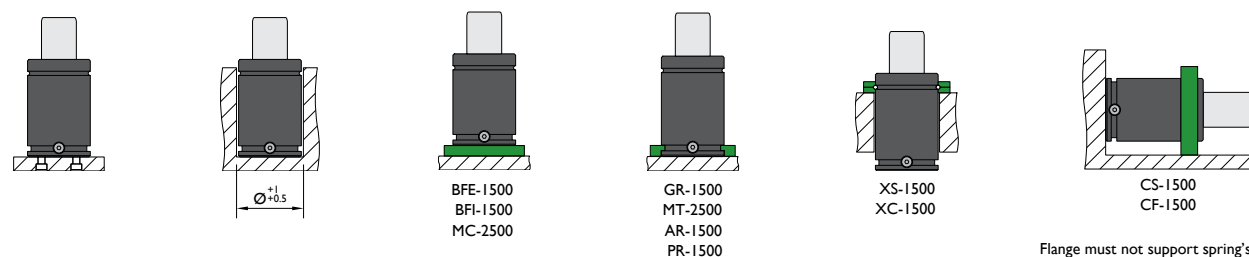
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	155 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT M-2500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

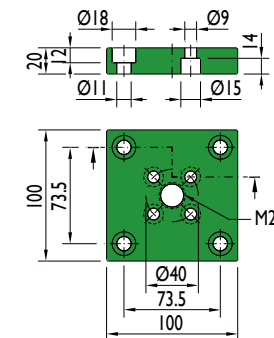
Mounting possibilities



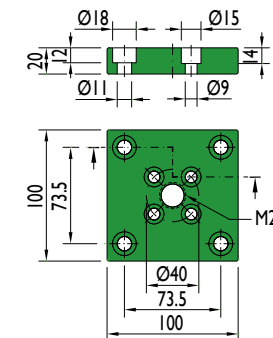
Flange must not support spring's force

Flanges

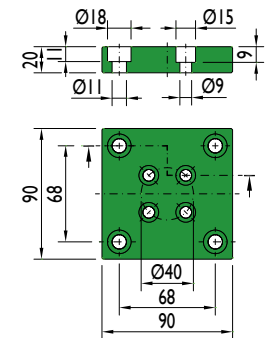
BFE-1500



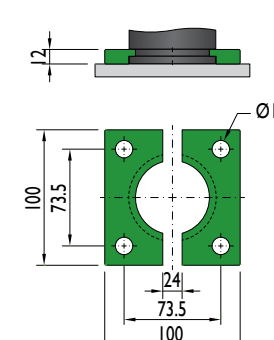
BFI-1500



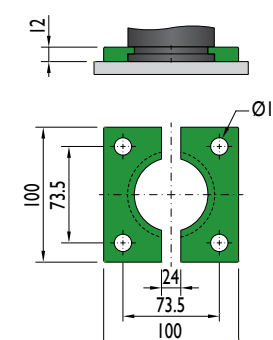
MC-2500



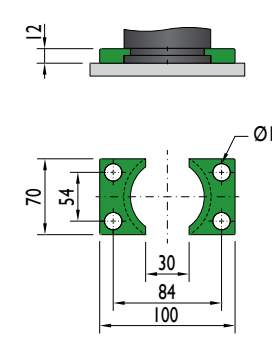
GR-1500



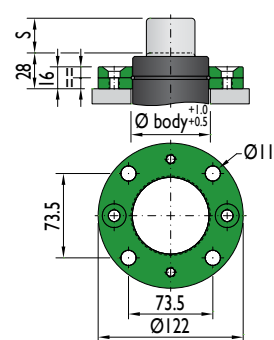
MT-2500



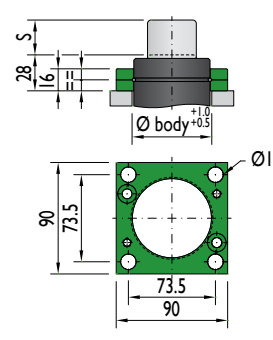
AR-1500



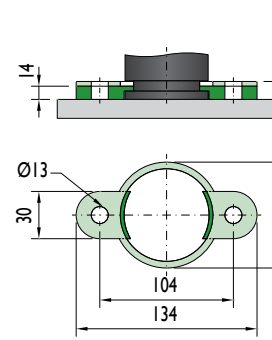
XS-1500



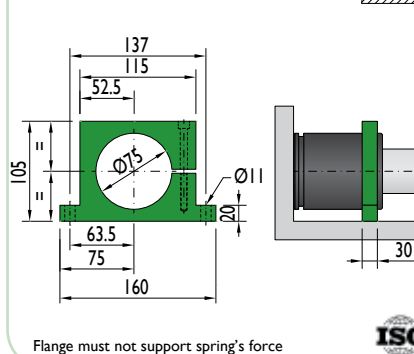
XC-1500



PR-1500

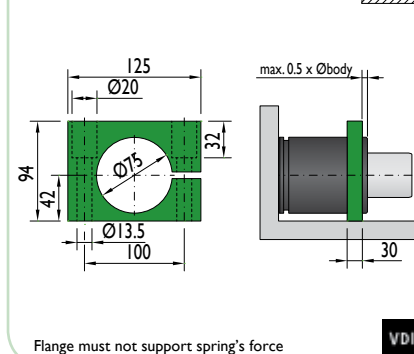


CS-1500



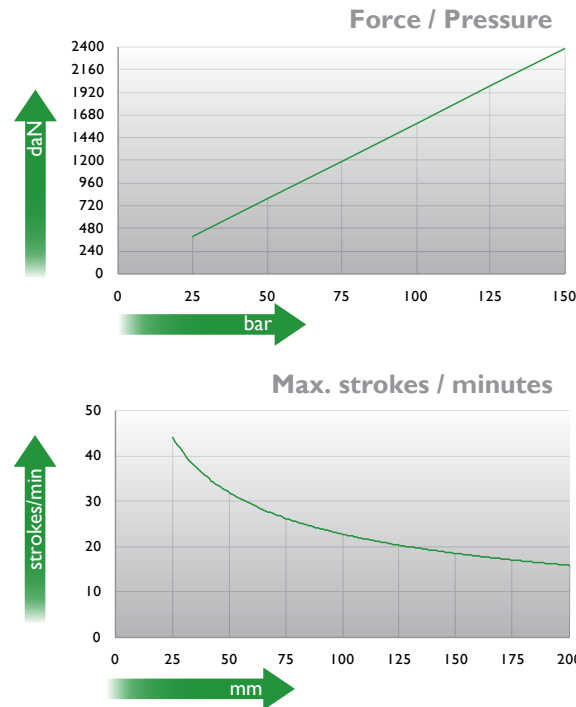
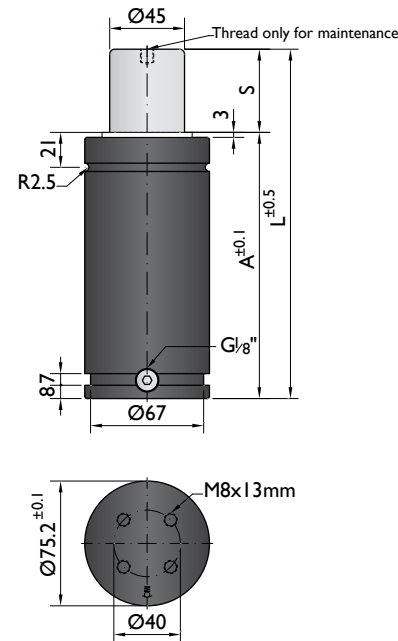
Flange must not support spring's force

CF-1500



Flange must not support spring's force

Special mounts available on
www.nitrogas.com



Ordering example: 4 x HD-2400-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
HD-2400-25	25	160	135	2400	3000	No	3.16
HD-2400-38	38	186	148		3200	No	3.41
HD-2400-50	50	210	160		3300	No	3.75
HD-2400-63	63	236	173		3400	No	4.00
HD-2400-80	80	270	190		3600	No	4.32
HD-2400-100	100	310	210		3600	No	4.59
HD-2400-125	125	360	235		3700	No	5.04
HD-2400-160	160	430	270		3800	Yes	5.68
HD-2400-200	200	510	310		3900	Yes	6.42
HD-2400-250	250	610	360		3900	Yes	7.21
HD-2400-300	300	710	410		4000	Yes	8.00

⁽¹⁾ other strokes under request

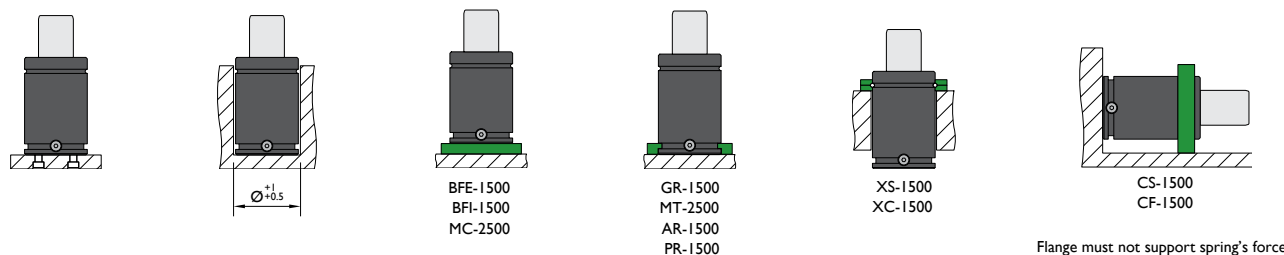
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



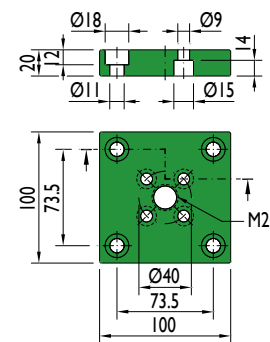
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT HD-2400
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

Mounting possibilities

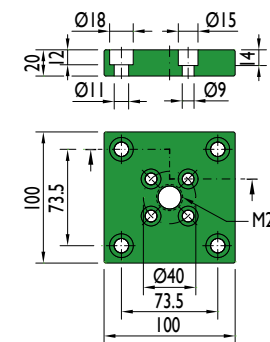


Flanges

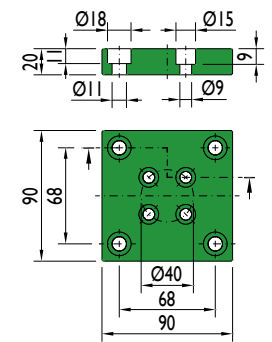
BFE-1500



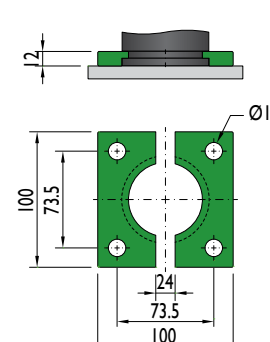
BFI-1500



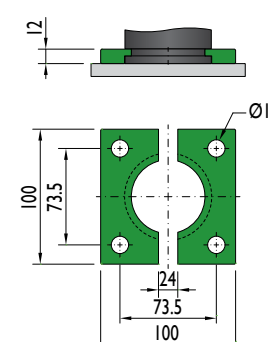
MC-2500



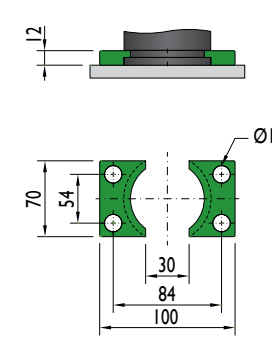
GR-1500



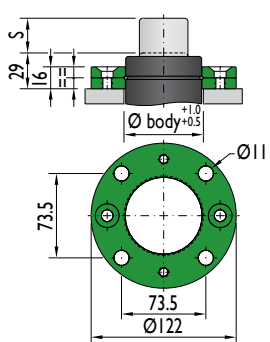
MT-2500



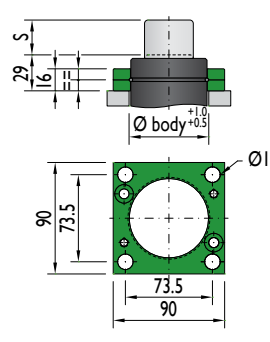
AR-1500



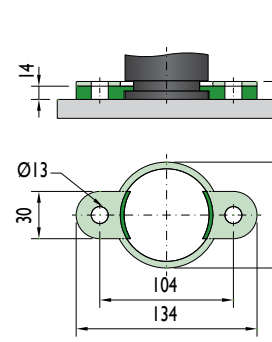
XS-1500



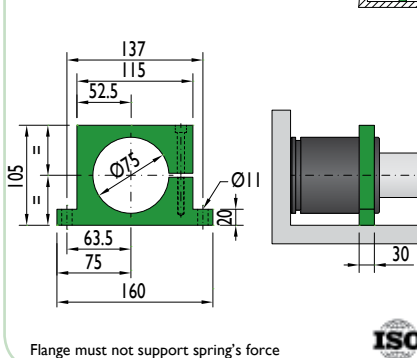
XC-1500



PR-1500



CS-1500



CF-1500

