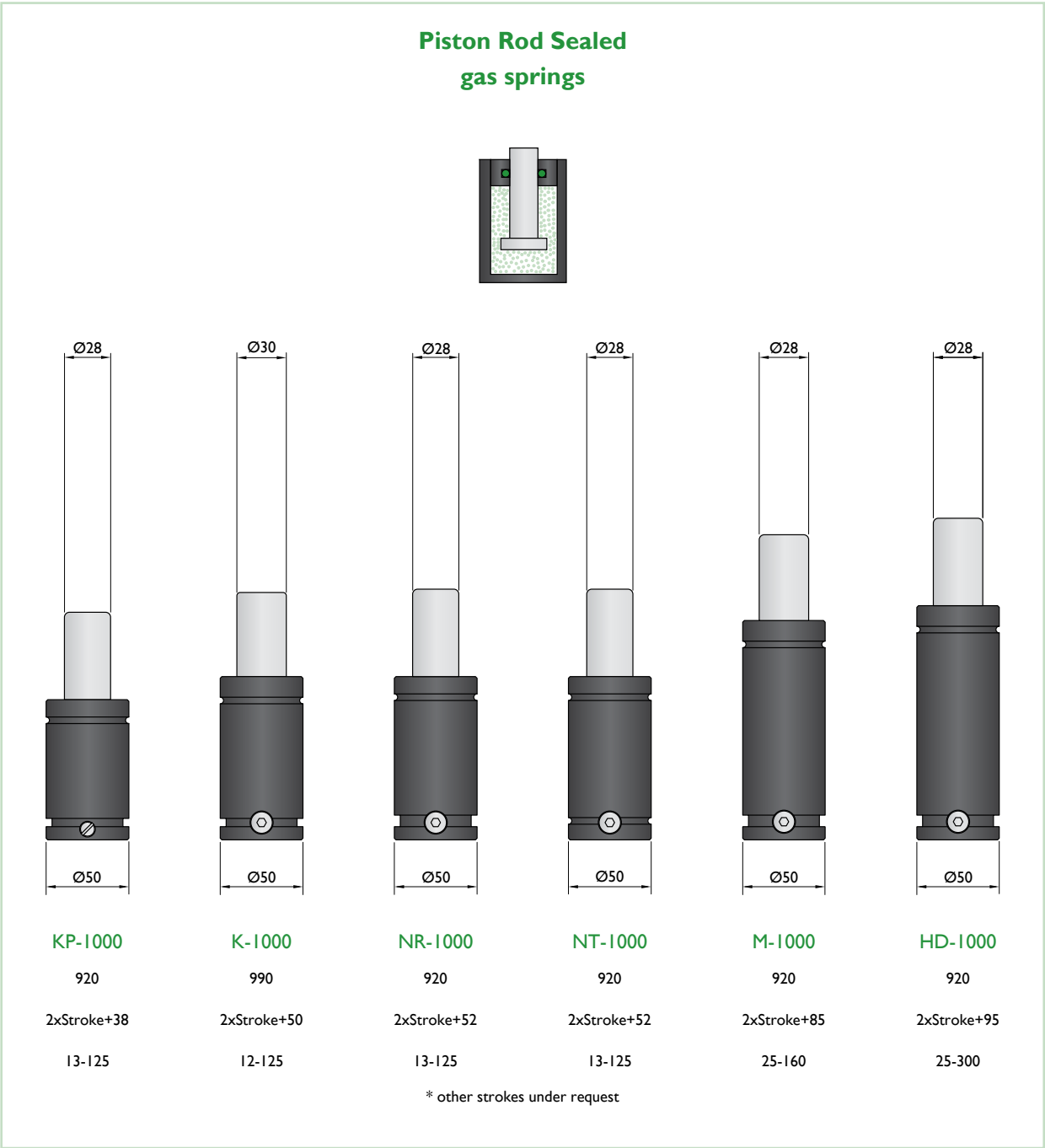


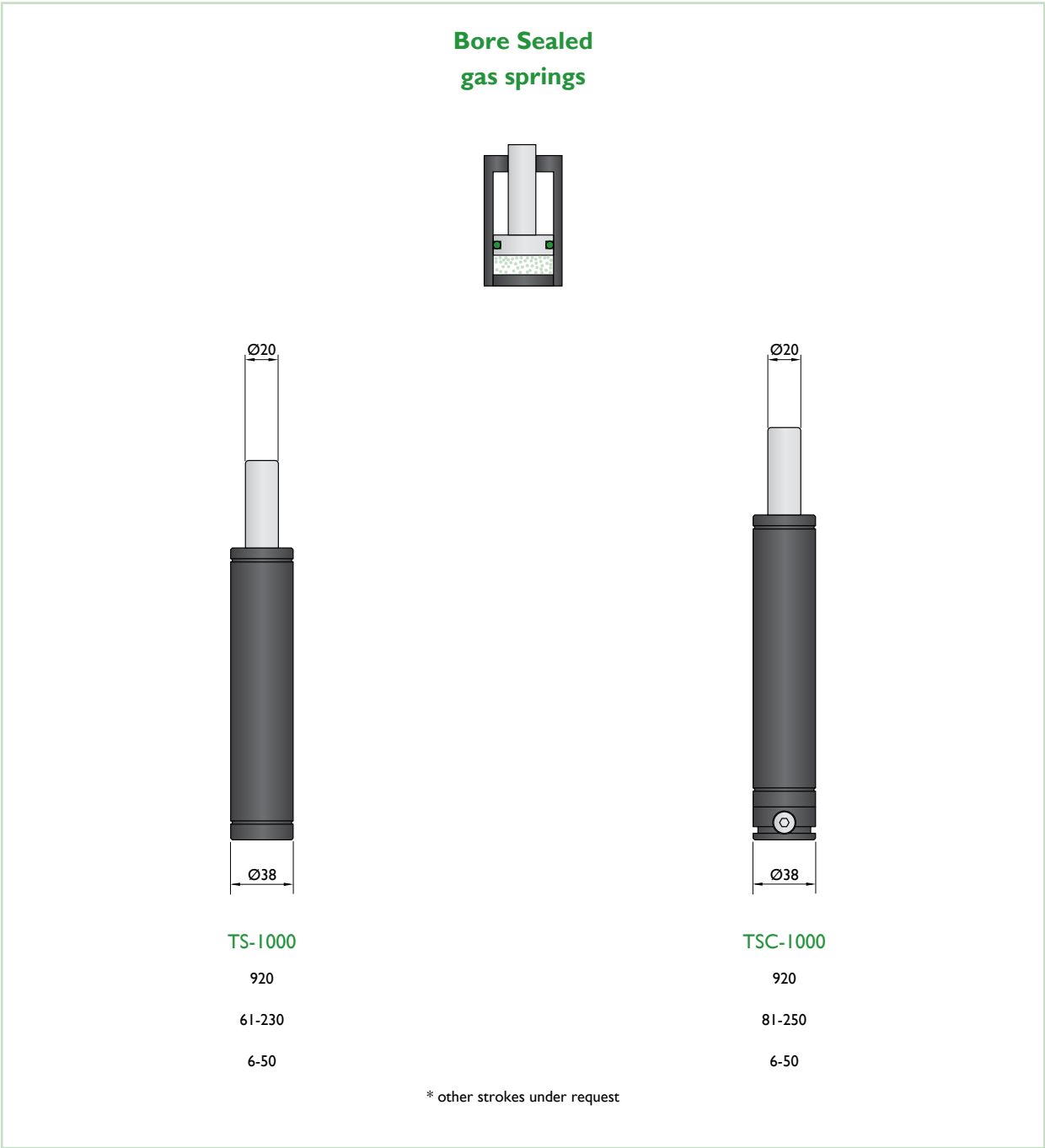
Force 1000 daN



Standards

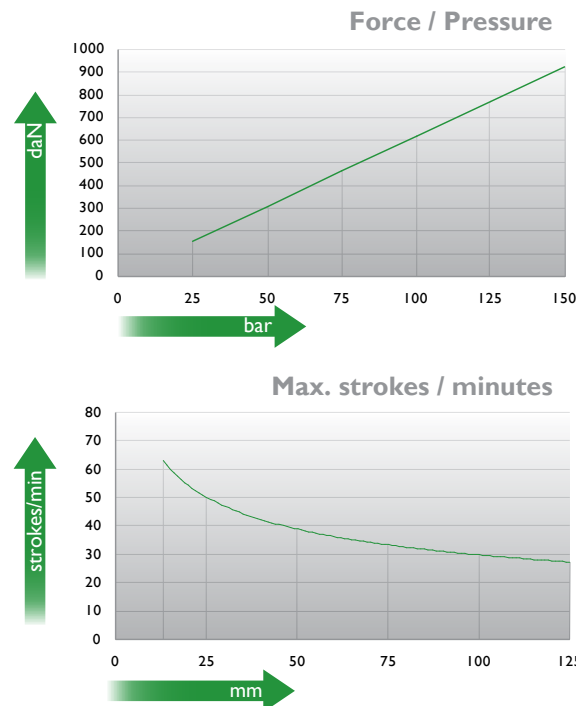
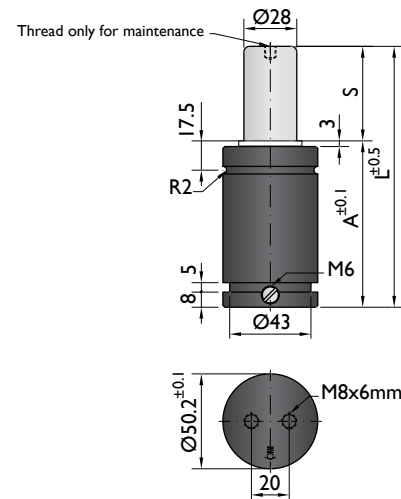
PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901
VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700

Force 1000 daN



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 KP-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾ kg
KP-1000-13	13	64	51	920	1400	0.57
KP-1000-16	16	70	54		1400	0.59
KP-1000-19	19	76	57		1400	0.62
KP-1000-25	25	88	63		1400	0.67
KP-1000-32	32	102	70		1400	0.73
KP-1000-38	38	114	76		1400	0.78
KP-1000-50	50	138	88		1400	0.88
KP-1000-63	63	164	101		1400	0.99
KP-1000-75	75	188	113		1400	1.09
KP-1000-80	80	198	118		1400	1.13
KP-1000-100	100	238	138		1400	1.30
KP-1000-125	125	288	163		1400	1.51

⁽¹⁾ other strokes under request

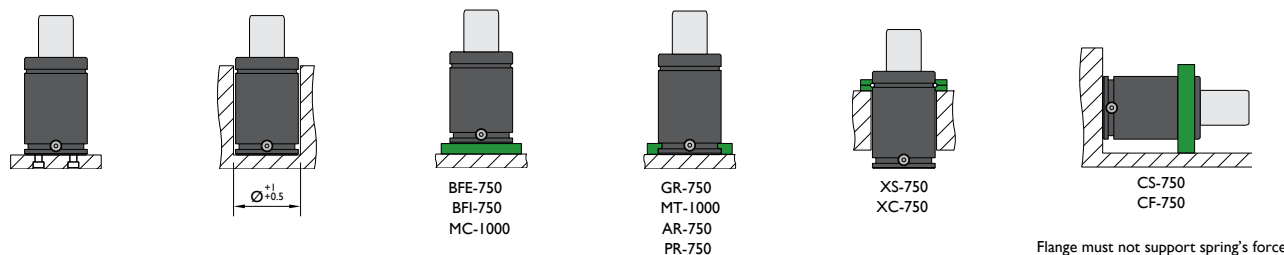
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



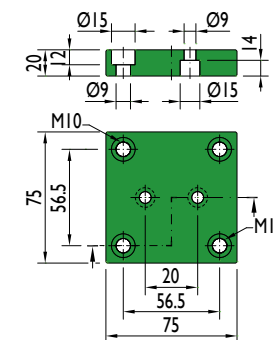
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KP-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

Mounting possibilities

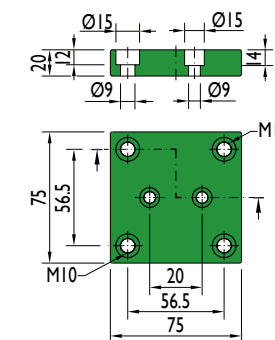


Flanges

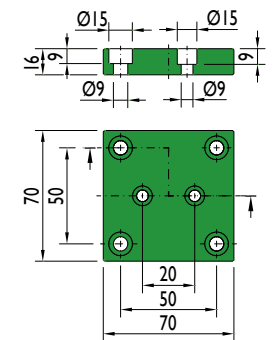
BFE-750



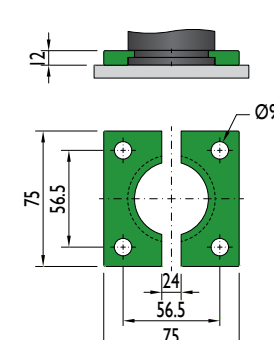
BFI-750



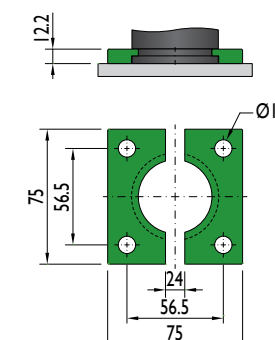
MC-1000



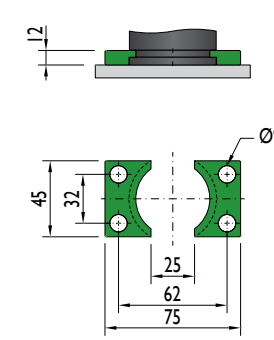
GR-750



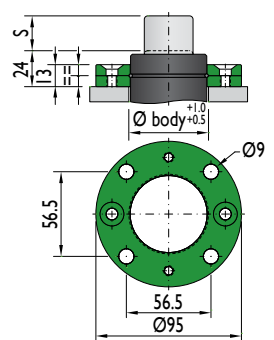
MT-1000



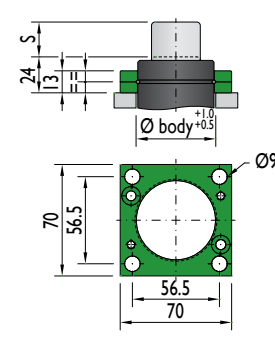
AR-750



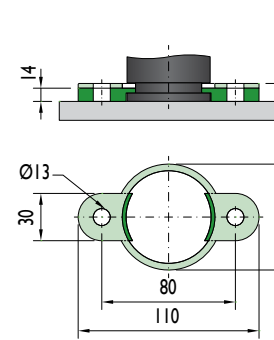
XS-750



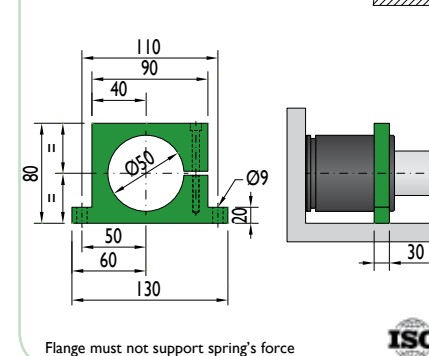
XC-750



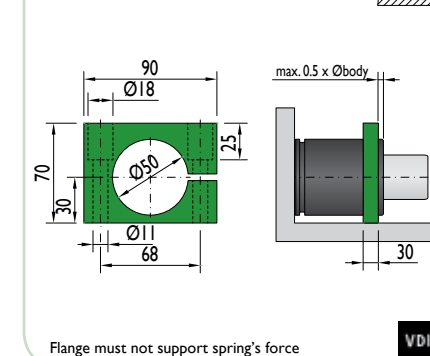
PR-750

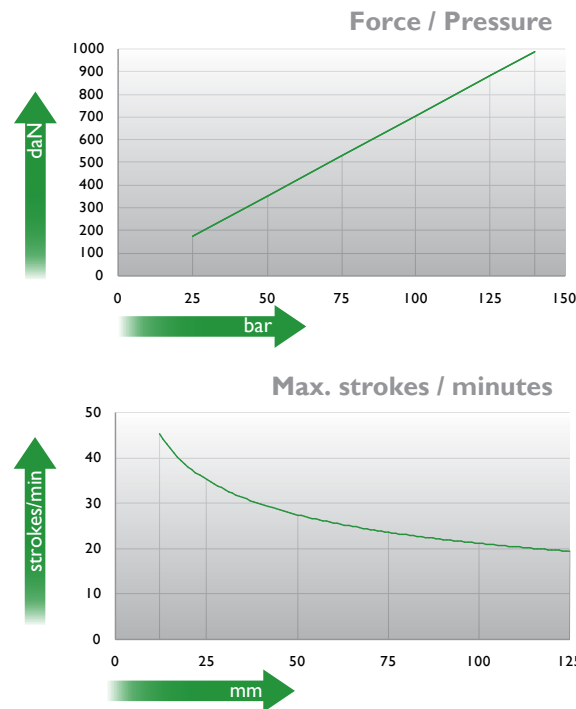
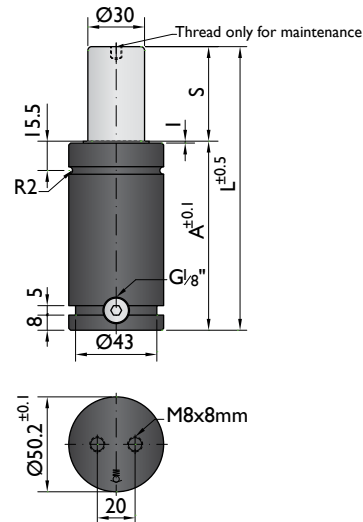


CS-750



CF-750





Ordering example: 4 x K-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 140 bar)	F daN	⁽³⁾	kg
K-1000-12	12	74	62	990	1500	No	0.69
K-1000-19	19	88	69		1500	No	0.78
K-1000-25	25	100	75		1600	No	0.84
K-1000-38	38	126	88		1600	No	0.96
K-1000-50	50	150	100		1600	No	1.06
K-1000-63	63	176	113		1700	No	1.18
K-1000-80	80	210	130		1700	No	1.35
K-1000-100	100	250	150		1700	No	1.40
K-1000-125	125	300	175		1700	No	1.49

other strokes under request

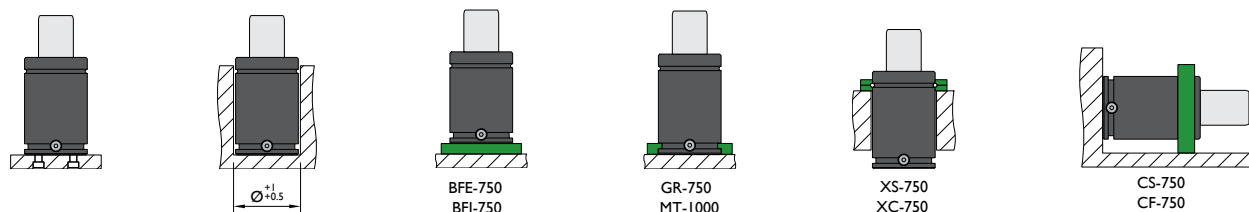
alternative forces upon request

ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	140 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT K-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

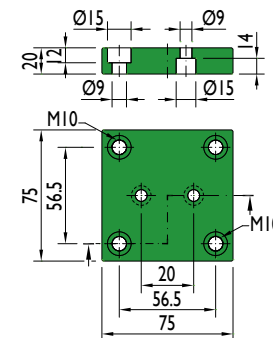
Mounting possibilities



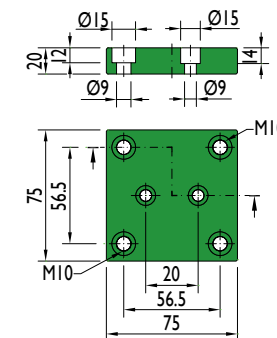
Flange must not support spring's force

Flanges

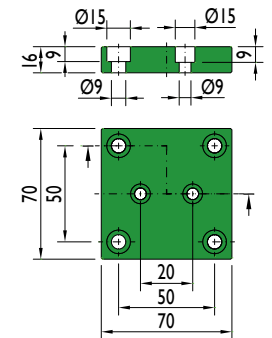
BFE-750



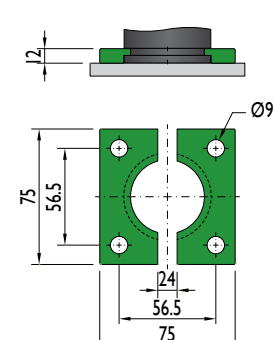
BFI-750



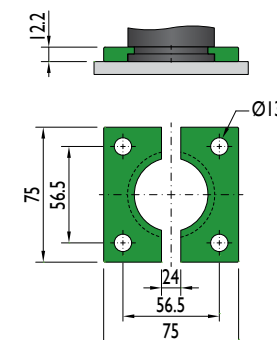
MC-1000



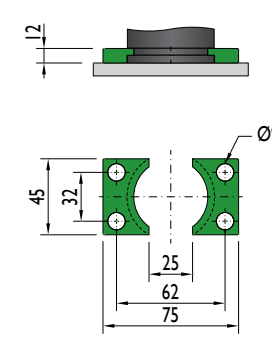
GR-750



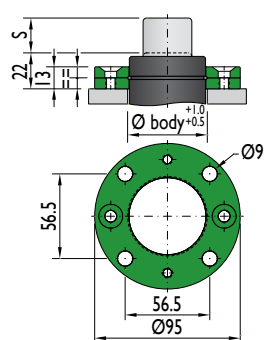
MT-1000



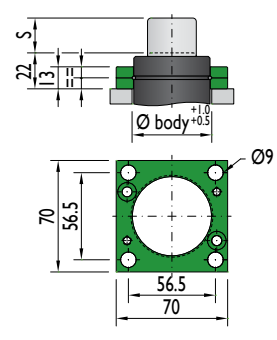
AR-750



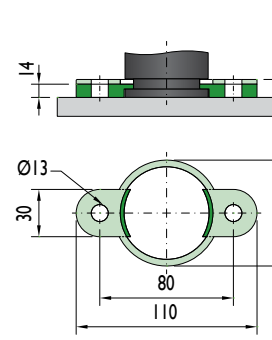
XS-750



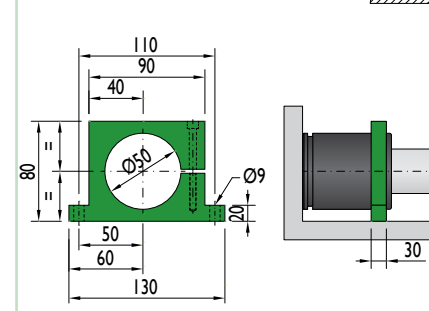
XC-750



PR-750

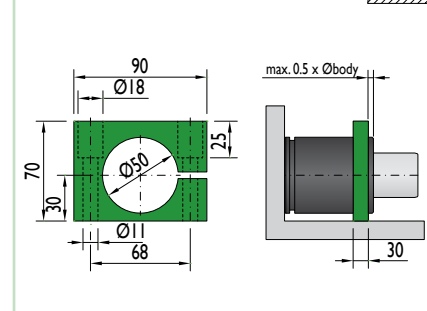


CS-750



Flange must not support spring's force

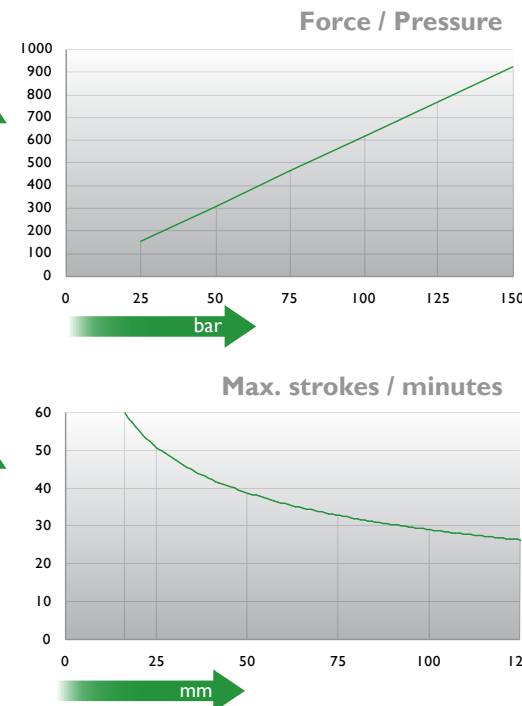
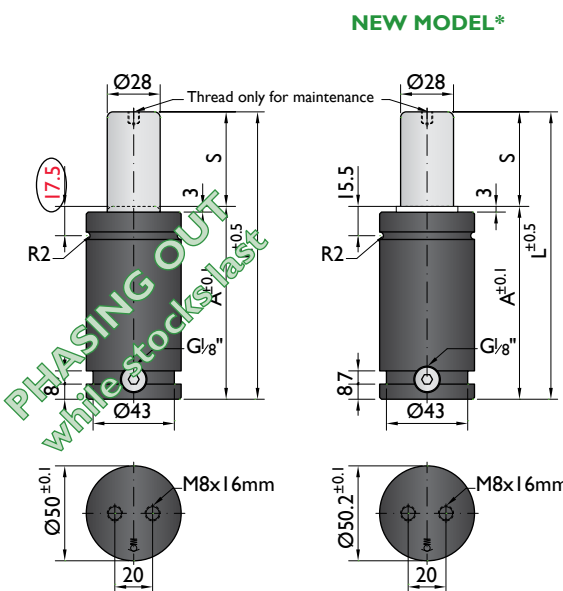
CF-750



Flange must not support spring's force



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



Ordering example: 4 x NR-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
NR-1000-13	13	78	65	920	1300	No	0.70
NR-1000-16	16	84	68		1300	No	0.76
NR-1000-19	19	90	71		1300	No	0.80
NR-1000-25	25	102	77		1300	No	0.84
NR-1000-32	32	116	84		1300	No	0.90
NR-1000-38	38	128	90		1400	No	0.96
NR-1000-50	50	152	102		1400	No	1.06
NR-1000-63	63	178	115		1400	No	1.18
NR-1000-75	75	202	127		1400	No	1.28
NR-1000-80	80	212	132		1400	No	1.35
NR-1000-100	100	252	152		1400	No	1.40
NR-1000-125	125	302	177		1400	No	1.49

⁽¹⁾ other strokes under request

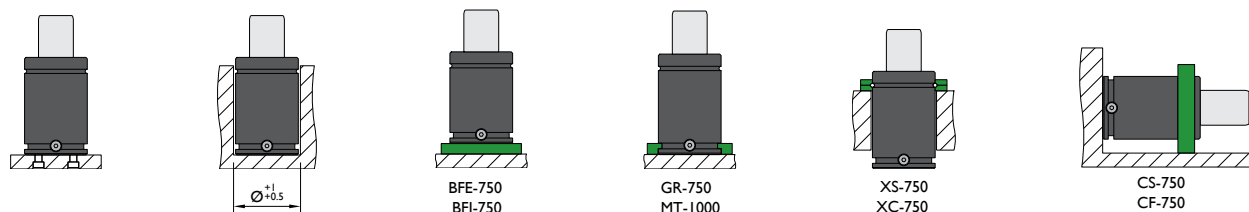
⁽²⁾ alternative forces upon request

⁽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-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

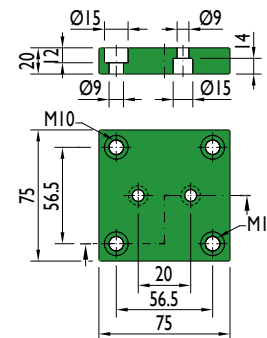
Mounting possibilities



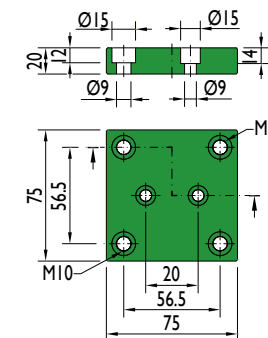
Flange must not support spring's force

Flanges

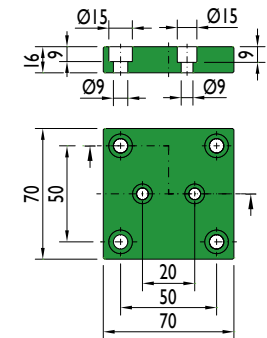
BFE-750



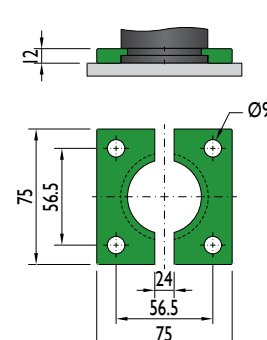
BFI-750



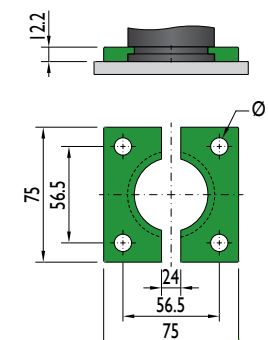
MC-1000



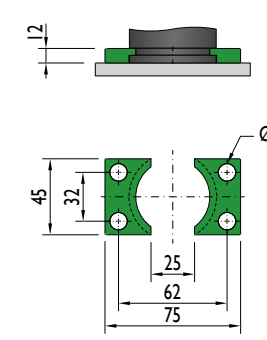
GR-750



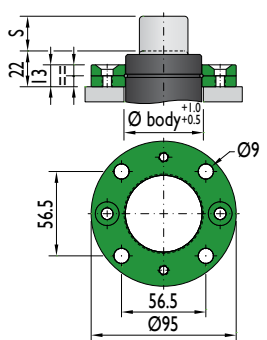
MT-1000



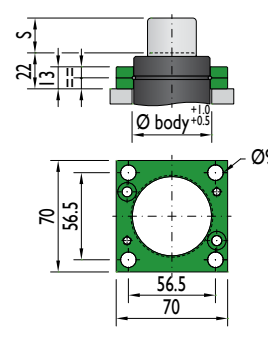
AR-750



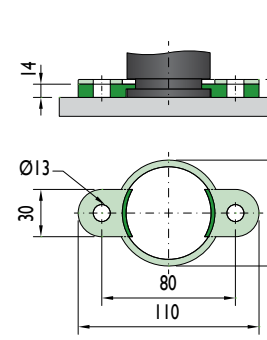
XS-750



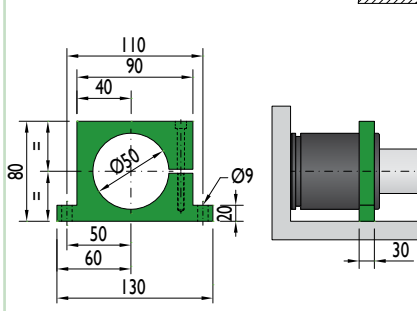
XC-750



PR-750

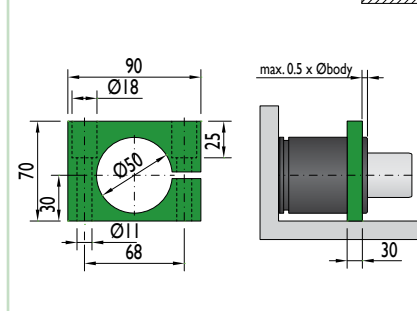


CS-750



Flange must not support spring's force

CF-750

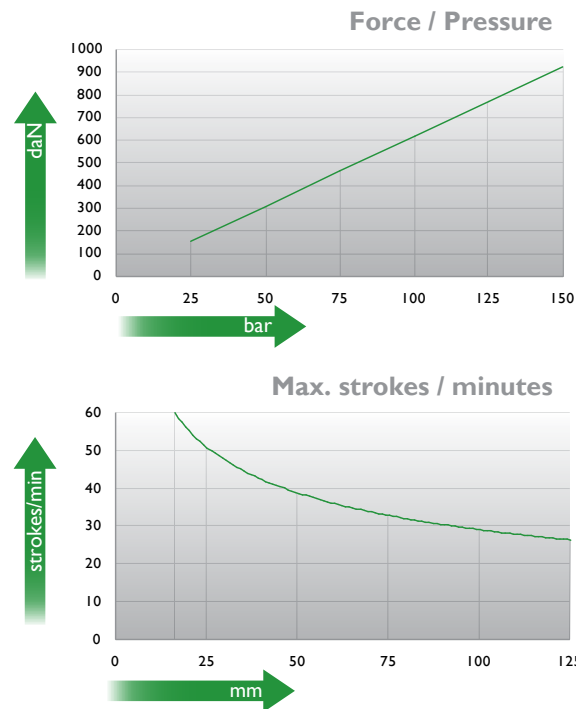
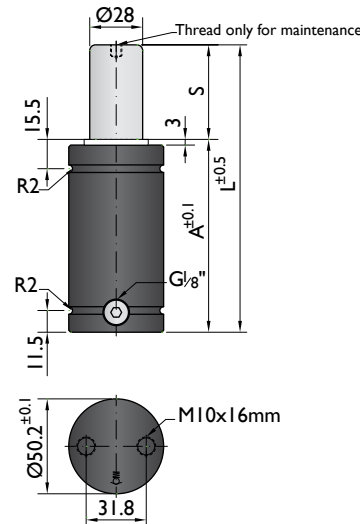


Flange must not support spring's force



PSA
E24.54.815.G

SMS DNH
3203N



Ordering example: 4 x NT-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	 ⁽³⁾	kg
NT-1000-13	13	78	65	920	1300	No	0.70
NT-1000-16	16	84	68		1300	No	0.76
NT-1000-19	19	90	71		1300	No	0.80
NT-1000-25	25	102	77		1300	No	0.84
NT-1000-32	32	116	84		1300	No	0.90
NT-1000-38	38	128	90		1400	No	0.96
NT-1000-50	50	152	102		1400	No	1.06
NT-1000-63	63	178	115		1400	No	1.18
NT-1000-75	75	202	127		1400	No	1.28
NT-1000-80	80	212	132		1400	No	1.35
NT-1000-100	100	252	152		1400	No	1.40
NT-1000-125	125	302	177		1400	No	1.49

⁽¹⁾ other strokes under request

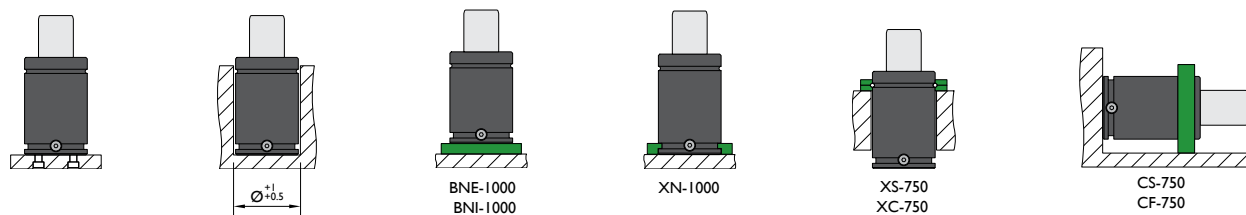
⁽²⁾ alternative forces upon request

⁽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-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

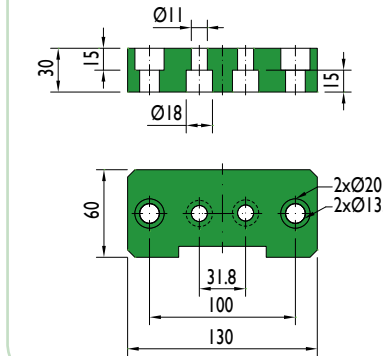
Mounting possibilities



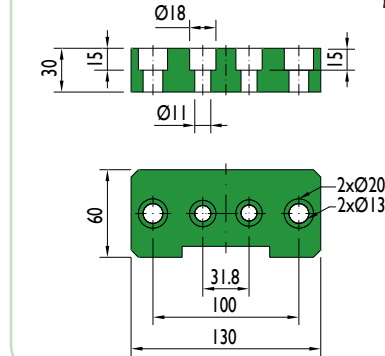
Flange must not support spring's force

Flanges

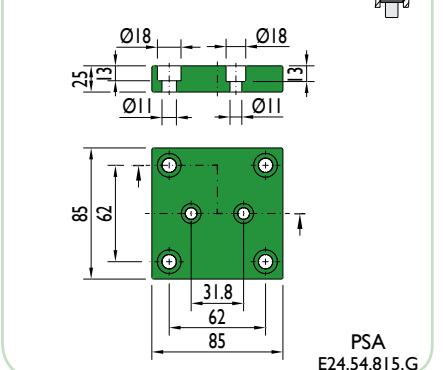
BNE-1000



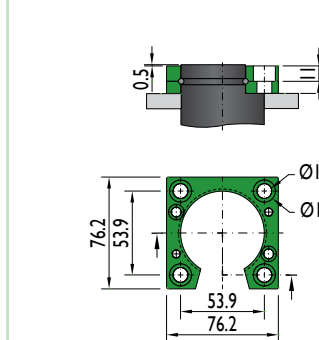
BNI-1000



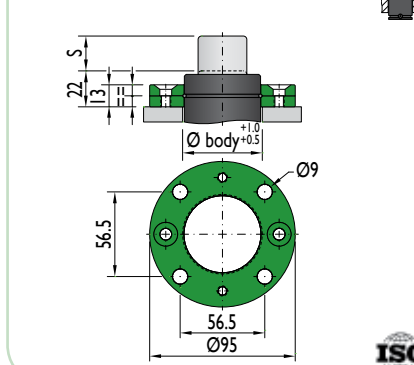
BFP-1000



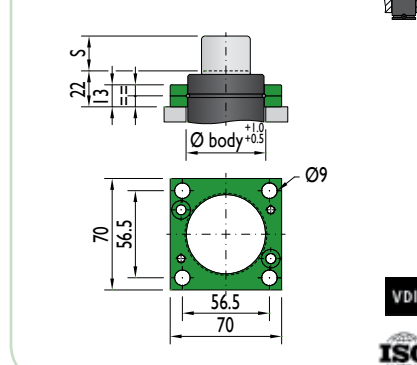
XN-1000



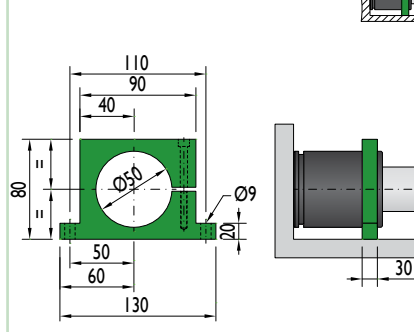
XS-750



XC-750

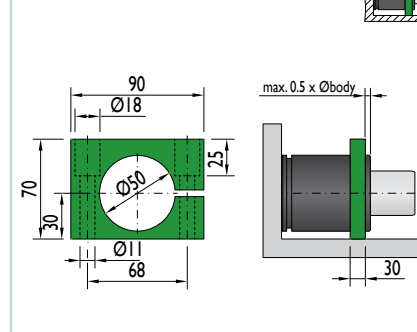


CS-750



Flange must not support spring's force

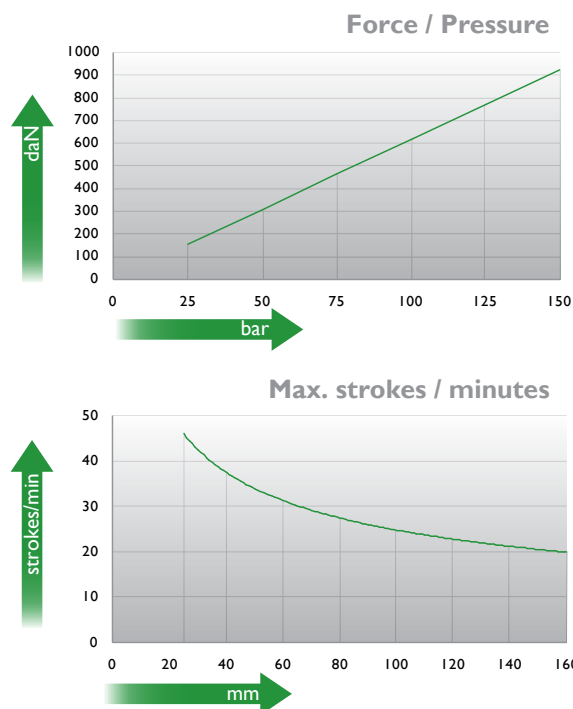
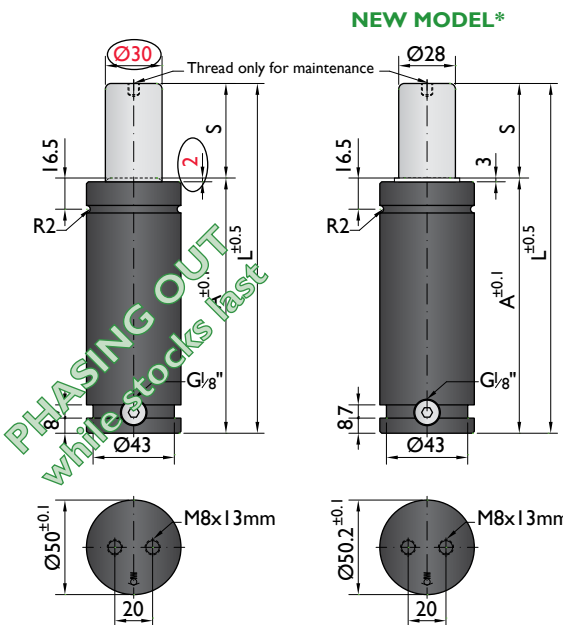
CF-750



Flange must not support spring's force



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



Ordering example: 4 x M-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
M-1000-25	25	135	110	920	1300	No	1.18
M-1000-38	38	161	123		1400	No	1.30
M-1000-50	50	185	135		1400	No	1.43
M-1000-63	63	211	148		1500	No	1.55
M-1000-80	80	245	165		1500	No	1.92
M-1000-100	100	295	195		1500	No	2.17
M-1000-125	125	345	220		1600	No	2.40
M-1000-160	160	415	255		1600	No	2.79

⁽¹⁾ other strokes under request

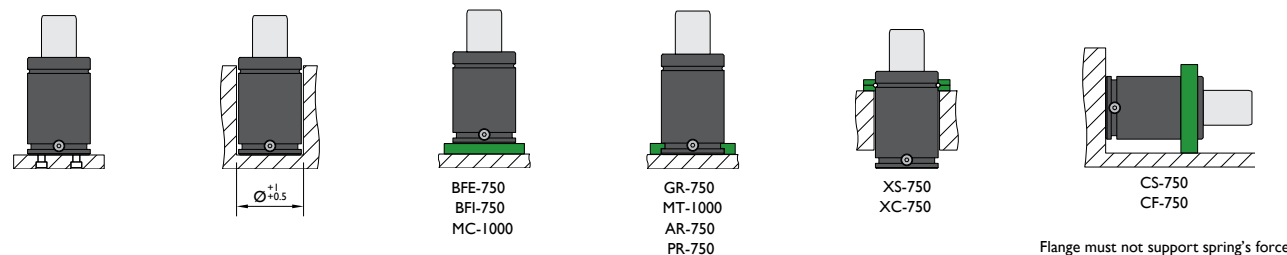
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



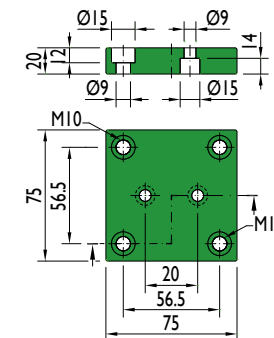
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	140 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT M-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

Mounting possibilities

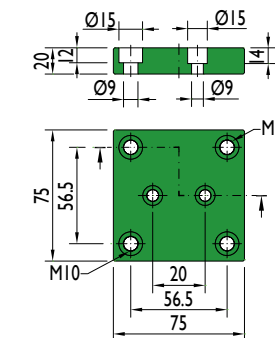


Flanges

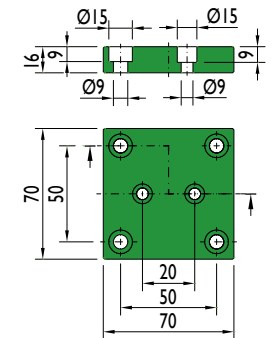
BFE-750



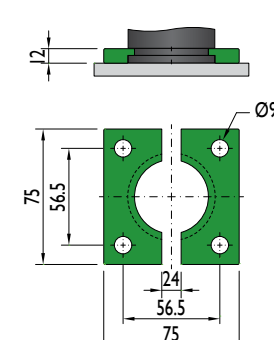
BFI-750



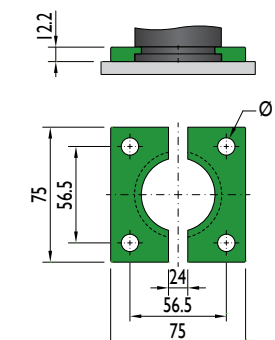
MC-1000



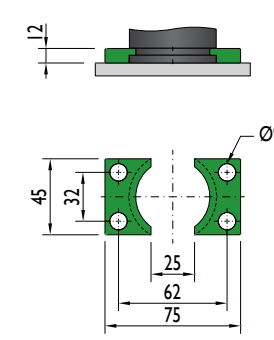
GR-750



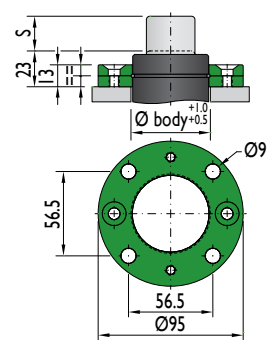
MT-1000



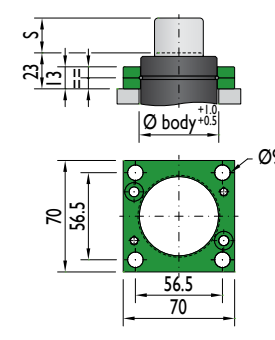
AR-750



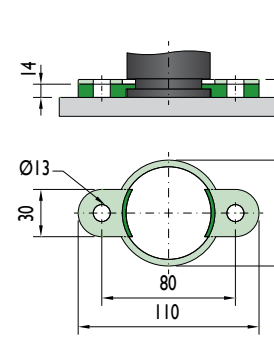
XS-750



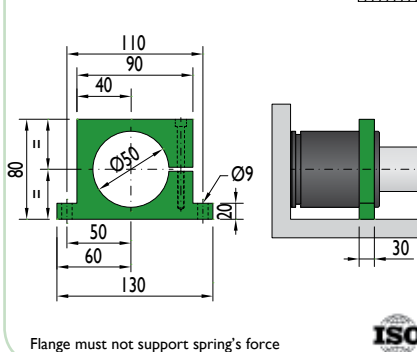
XC-750



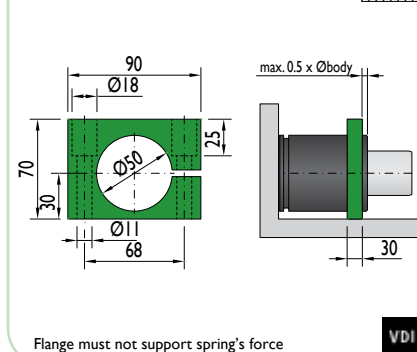
PR-750



CS-750



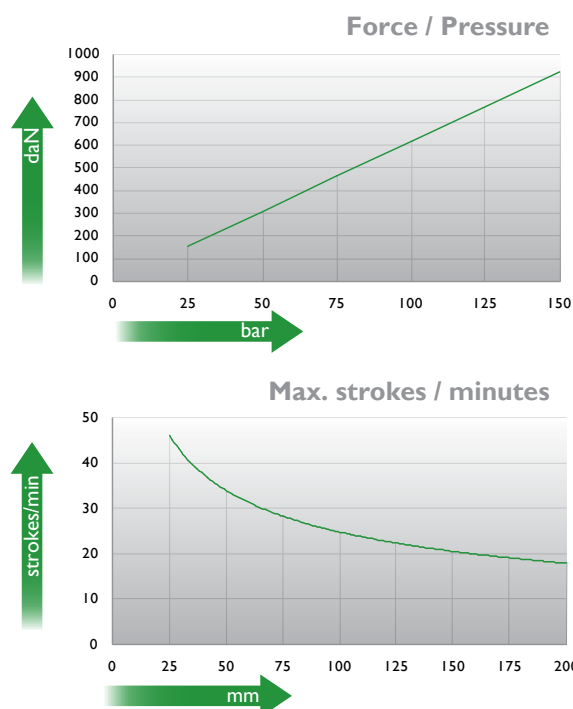
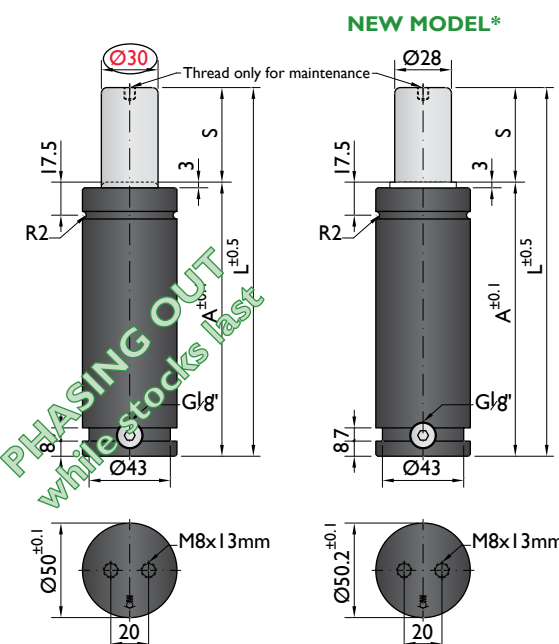
CF-750



Special mounts available on
www.nitrogas.com



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



Ordering example: 4 x HD-1000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	(3)	kg
HD-1000-25	25	145	120	920	1300	No	1.24
HD-1000-38	38	171	133		1400	No	1.35
HD-1000-50	50	195	145		1400	No	1.67
HD-1000-63	63	221	158		1500	No	1.78
HD-1000-80	80	255	175		1500	No	1.92
HD-1000-100	100	295	195		1500	No	2.06
HD-1000-125	125	345	220		1600	No	2.27
HD-1000-160	160	415	255		1700	No	2.69
HD-1000-200	200	495	295		1700	No	3.13
HD-1000-250	250	595	345		1800	No	3.56
HD-1000-300	300	695	395		1800	No	3.98

(1) other strokes under request

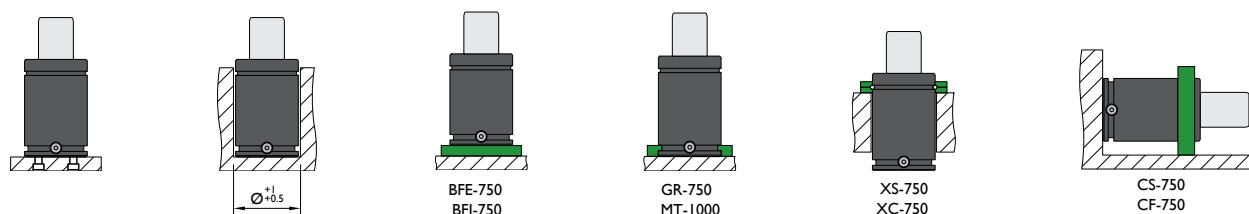
(2) alternative forces upon request

(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-1000
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

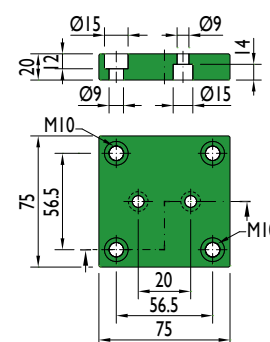
Mounting possibilities



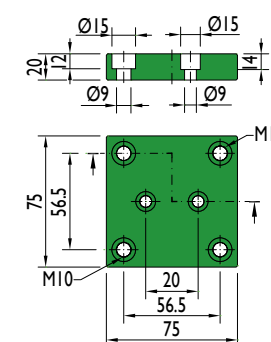
Flange must not support spring's force

Flanges

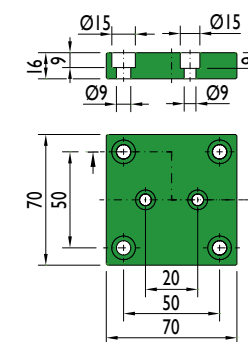
BFE-750



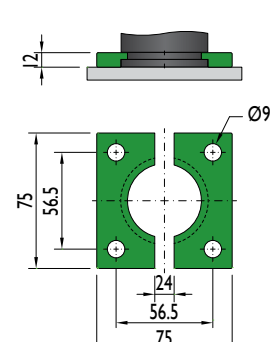
BFI-750



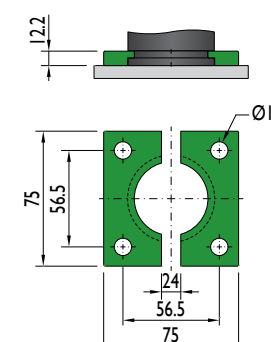
MC-1000



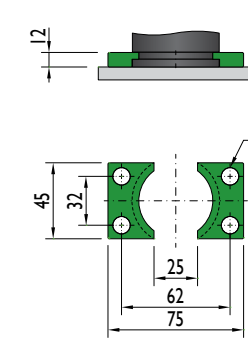
GR-750



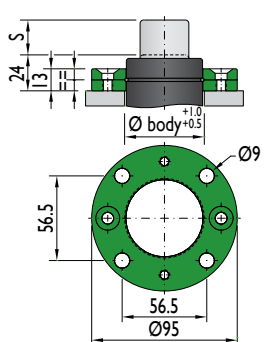
MT-1000



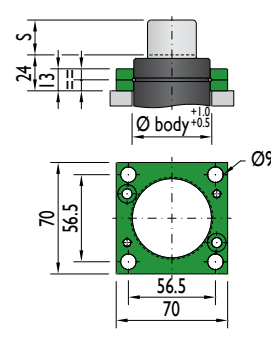
AR-750



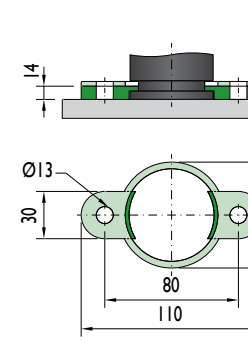
XS-750



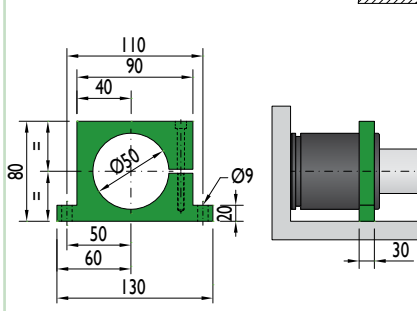
XC-750



PR-750

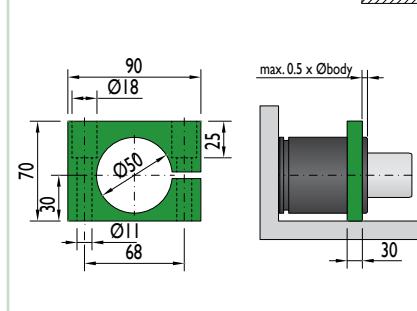


CS-750

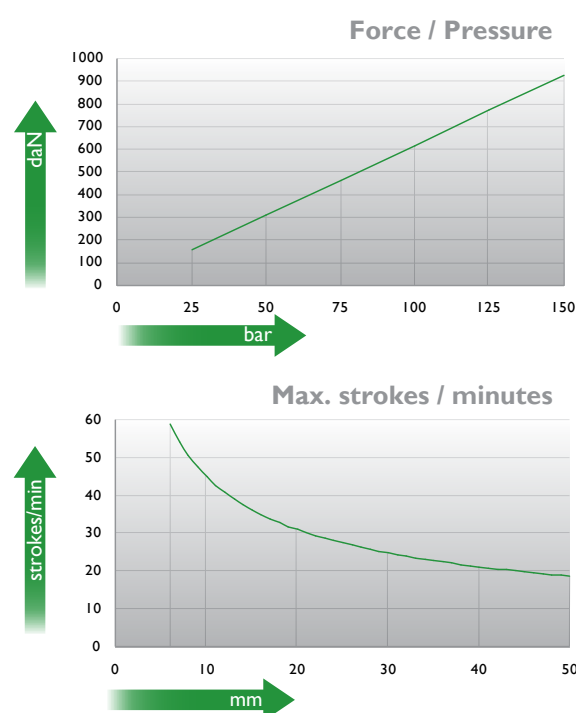
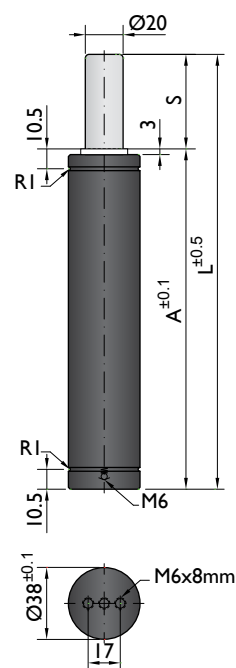


Flange must not support spring's force

CF-750



Flange must not support spring's force



Ordering example: 4 x TS-1000-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN		kg
TS-1000-6	6	61	55	920	1300	No	0.36
TS-1000-10	10	78	68		1500	No	0.44
TS-1000-16	16	100	84		1400	No	0.52
TS-1000-25	25	135	110		1400	No	0.63
TS-1000-32	32	167	135		1400	No	0.73
TS-1000-40	40	195	155		1400	No	0.81
TS-1000-50	50	230	180		1400	No	0.98

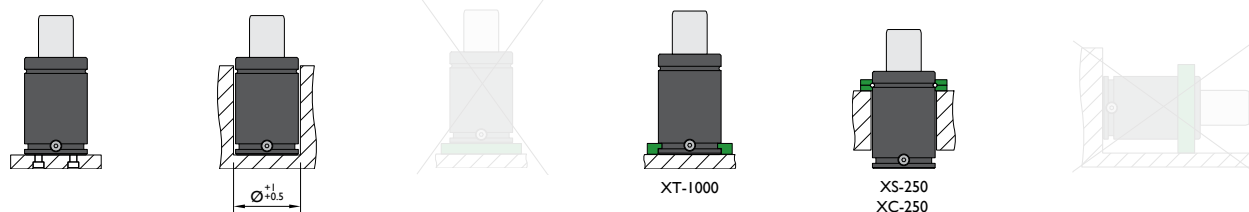
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



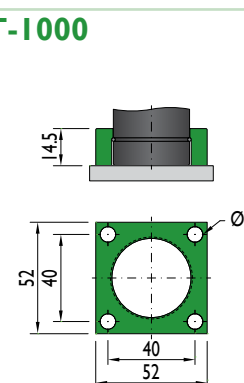
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT TS-1000
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	No

Mounting possibilities

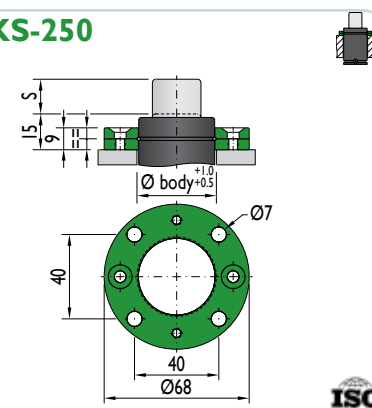


Flanges

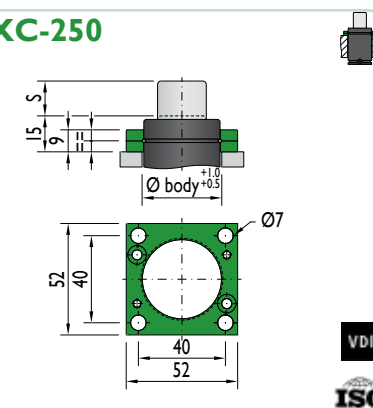
XT-1000

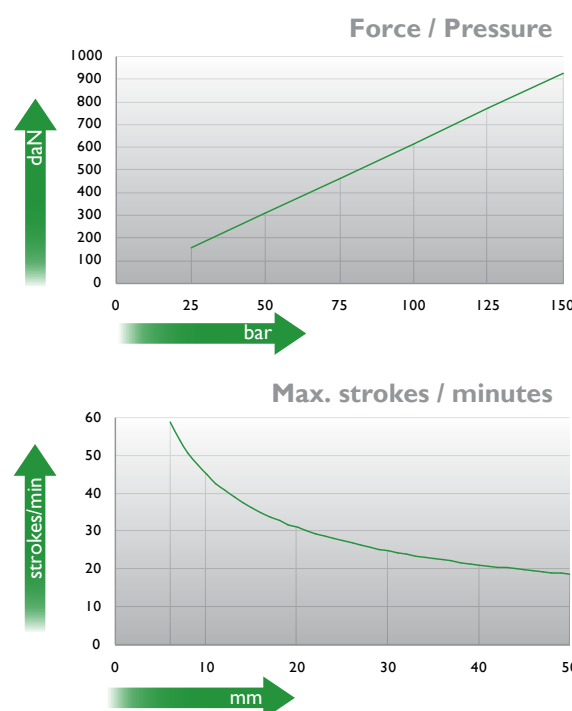
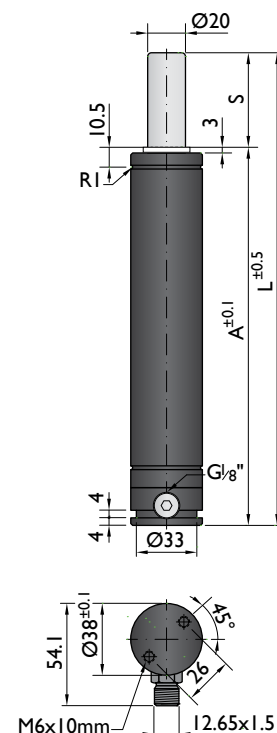


XS-250



XC-250





Ordering example: 4 x TSC-1000-50

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN		kg
TSC-1000-6	6	81	75	920	1300	No	0.50
TSC-1000-10	10	98	88		1500	No	0.58
TSC-1000-16	16	120	104		1400	No	0.66
TSC-1000-25	25	155	130		1400	No	0.77
TSC-1000-32	32	187	155		1400	No	0.87
TSC-1000-40	40	215	175		1400	No	0.95
TSC-1000-50	50	250	200		1400	No	1.12

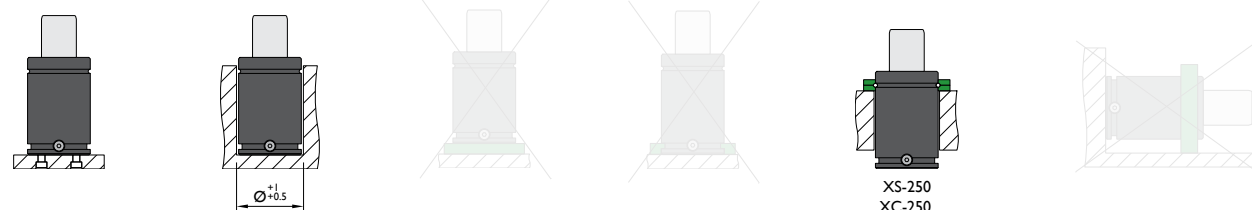
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon 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-1000
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	G1/8"

Mounting possibilities



Flanges

