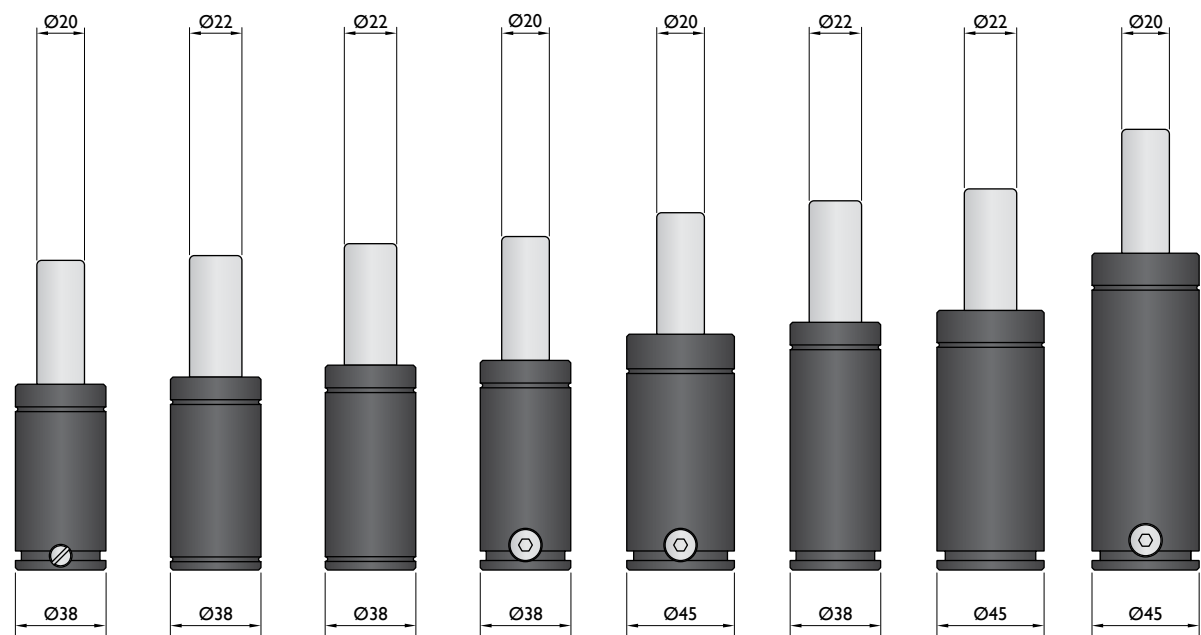
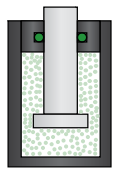


Force 500 - 600 daN

Piston Rod Sealed
gas springs

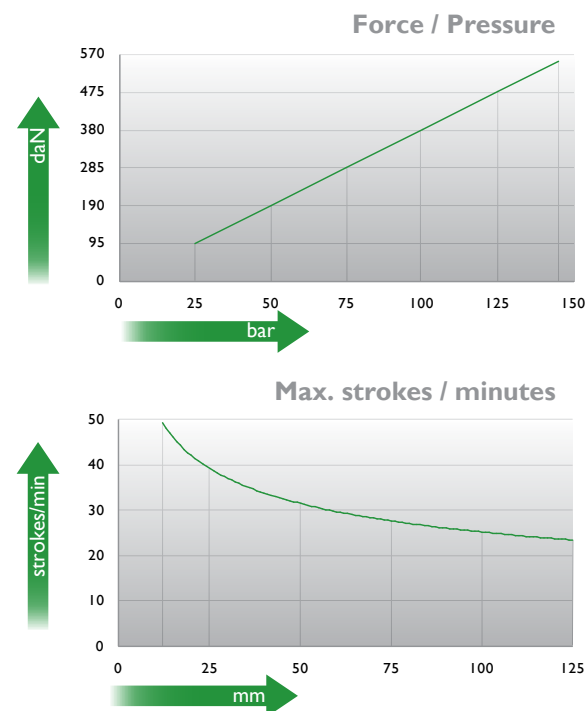
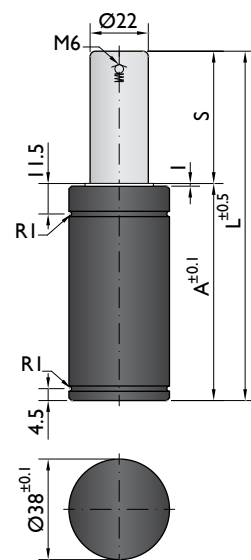


Model	KP-500	KC-550	K-570	NR-500	KH-500	M-500	G-500	CN-500
Initial F (daN)	470	550	570	470	470	500	500	470
L max (mm)	2xStroke+30	2xStroke+32	2xStroke+37	2xStroke+40	2xStroke+50	2xStroke+55	2xStroke+60	2xStroke+85
Stroke (mm)	10-125	12-125	7-125	10-125	12.7-125	12-125	12-125	12.7-160

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



Ordering example: 4 x KC-550-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN		kg
				(20°C, 145 bar)			
KC-550-12	12	56	44	550	880	No	0.27
KC-550-25	25	82	57		890	No	0.31
KC-550-38	38	108	70		890	No	0.36
KC-550-50	50	132	82		890	No	0.42
KC-550-63	63	158	95		890	No	0.45
KC-550-80	80	192	112		890	No	0.51
KC-550-100	100	232	132		890	No	0.58
KC-550-125	125	282	157		890	No	0.63

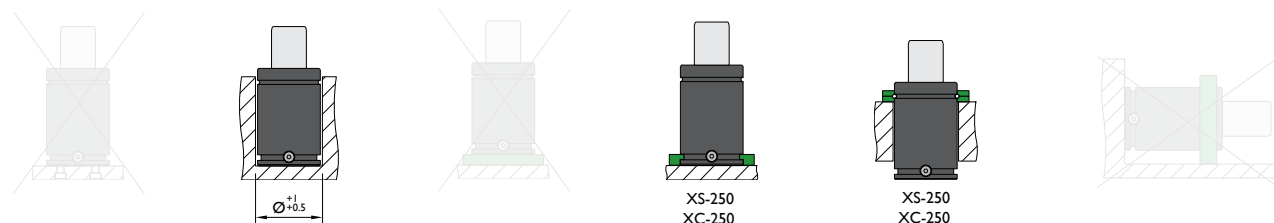
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



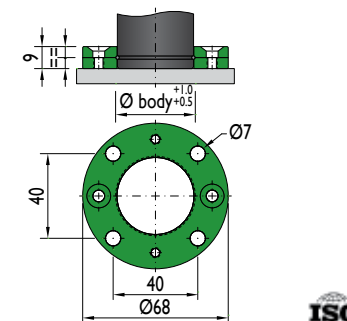
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	145 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KC-550
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

Mounting possibilities

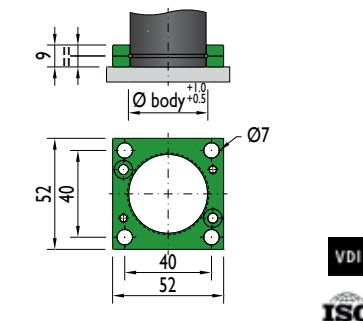


Flanges

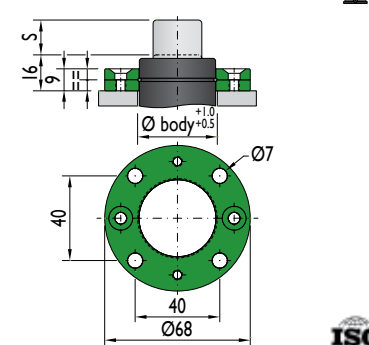
XS-250



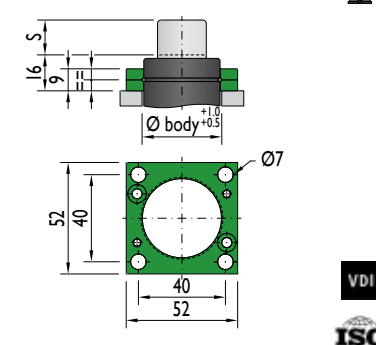
XC-250

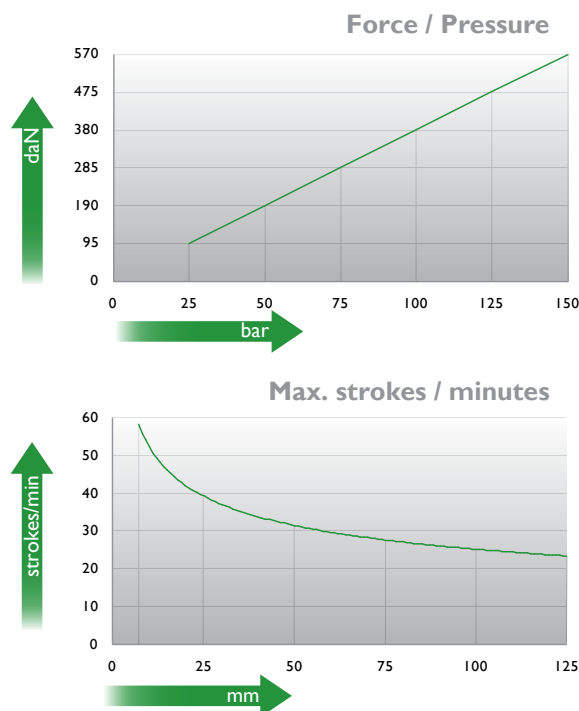
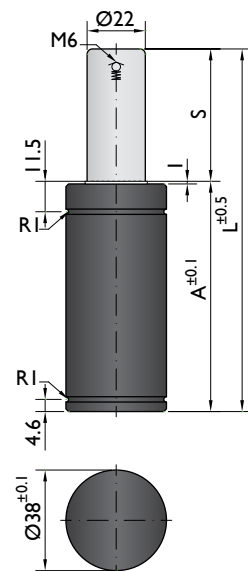


XS-250



XC-250





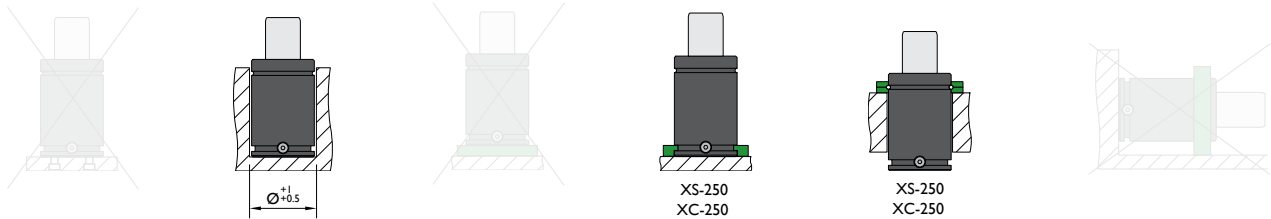
Ordering example: 4 x K-570-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
K-570-7	7	51	44	570	830	0.26
K-570-12	12	61	49		860	0.31
K-570-16	16	69	53		870	0.33
K-570-25	25	87	62		890	0.36
K-570-38	38	113	75		900	0.41
K-570-50	50	137	87		910	0.47
K-570-63	63	163	100		910	0.50
K-570-80	80	197	117		910	0.60
K-570-100	100	237	137		920	0.69
K-570-125	125	287	162		920	0.75
⁽¹⁾ other strokes under request		⁽²⁾ alternative forces upon request				

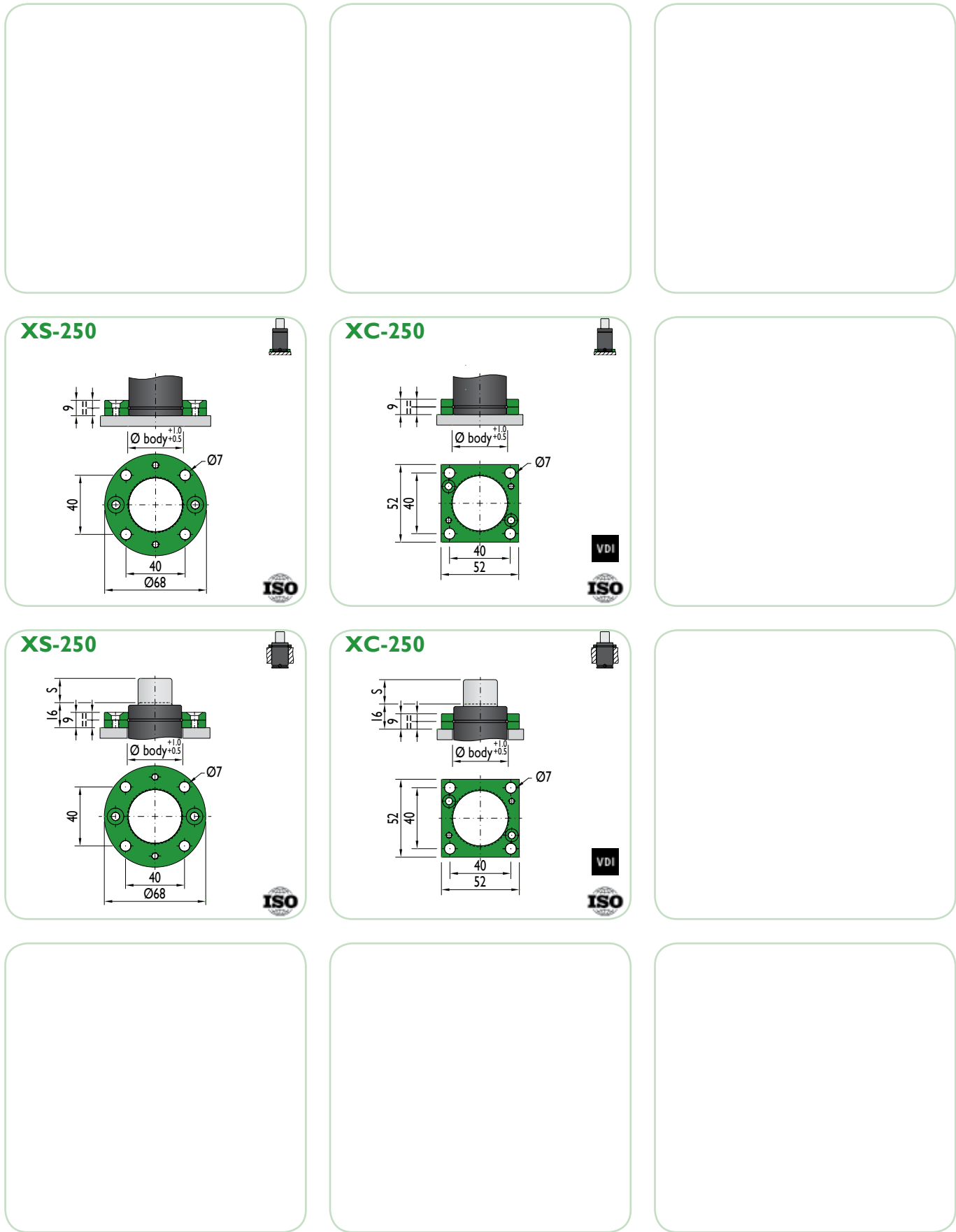


Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT K-570
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

Mounting possibilities

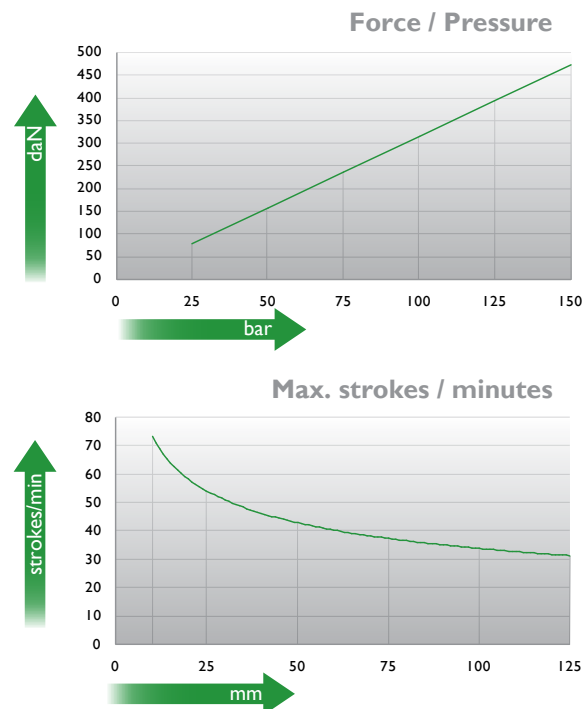
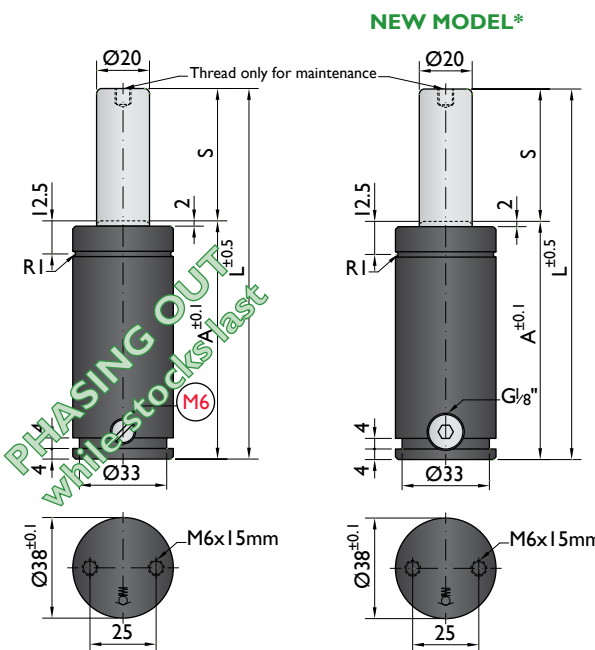


Flanges





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



Ordering example: 4 x NR-500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
NR-500-10	10	60	50	470	690	0.34
NR-500-13	13	66	53		690	0.35
NR-500-16	16	72	56		700	0.37
NR-500-19	19	78	59		700	0.38
NR-500-25	25	90	65		700	0.40
NR-500-32	32	104	72		710	0.42
NR-500-38	38	116	78		710	0.45
NR-500-50	50	140	90		710	0.50
NR-500-63	63	166	103		720	0.54
NR-500-75	75	190	115		720	0.58
NR-500-80	80	200	120		720	0.60
NR-500-100	100	240	140		720	0.69
NR-500-125	125	290	165		720	0.78

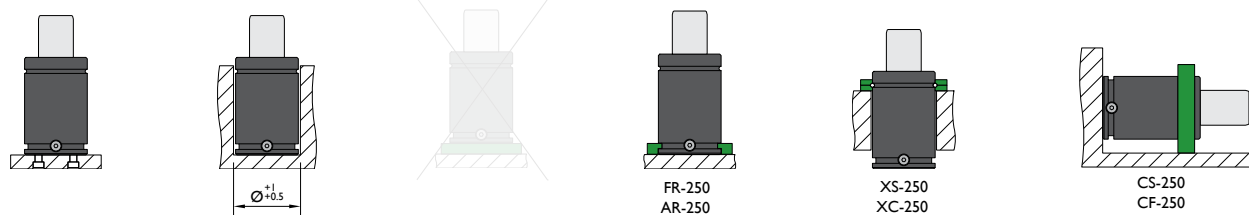
other strokes ⁽¹⁾ under request

alternative forces ⁽²⁾ 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 NR-500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

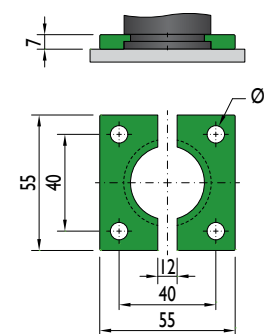
Mounting possibilities



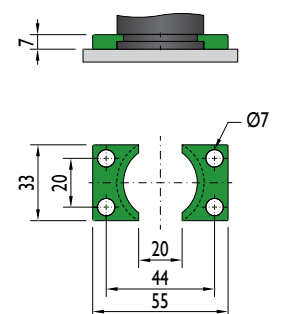
Flange must not support spring's force

Flanges

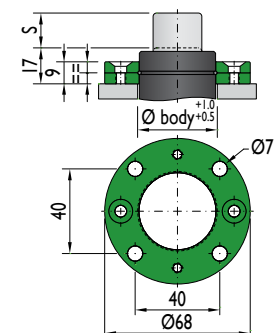
FR-250



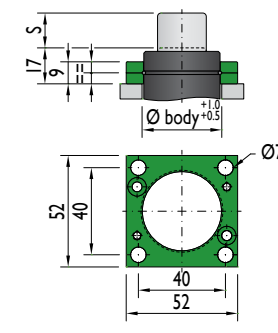
AR-250



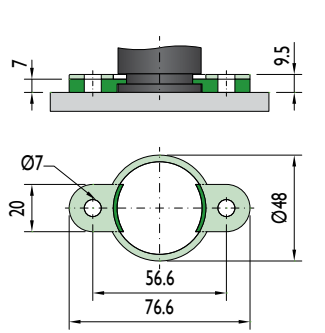
XS-250



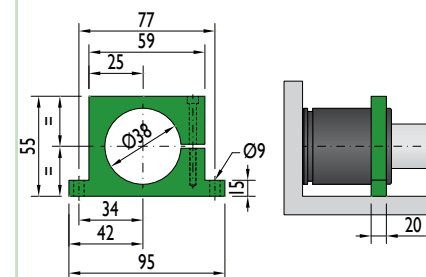
XC-250



PR-250

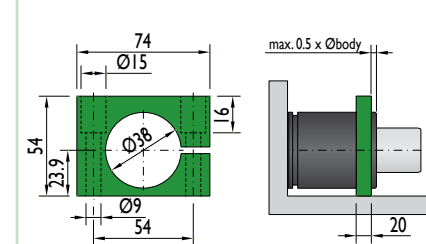


CS-250



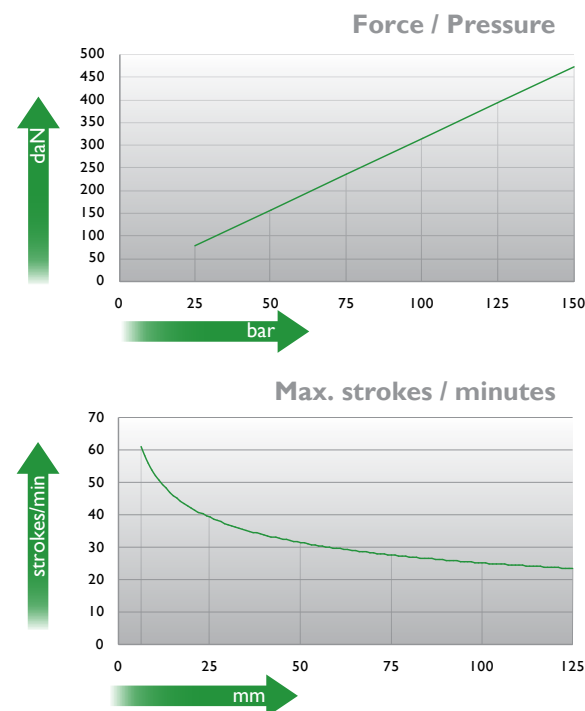
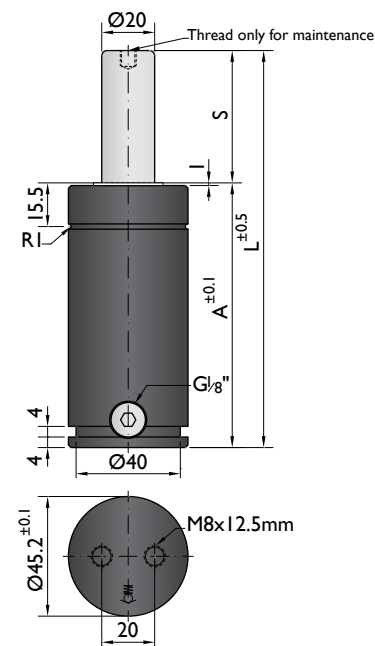
Flange must not support spring's force

CF-250



Flange must not support spring's force





Ordering example: 4 x KH-500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	kg
KH-500-13	12.7	75.4	62.7	470	600	0.55
KH-500-19	19	88	69		610	0.59
KH-500-25	25	100	75		620	0.63
KH-500-38	38.1	126.2	88.1		620	0.71
KH-500-50	50	150	100		630	0.80
KH-500-63	63.5	177	113.5		640	0.87
KH-500-80	80	210	130		660	0.97
KH-500-100	100	250	150		660	1.11
KH-500-125	125	300	175		660	1.25

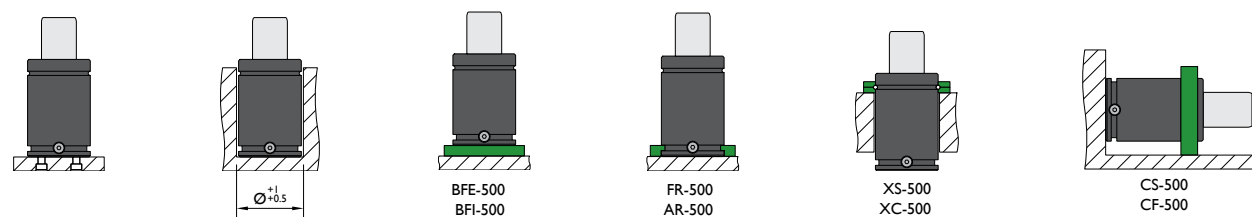
other strokes under request

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 KH-500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

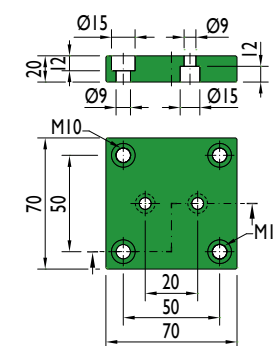
Mounting possibilities



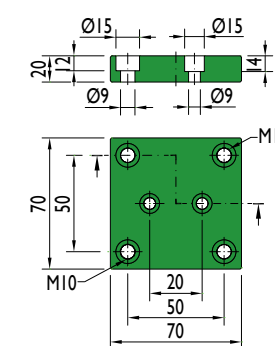
Flange must not support spring's force

Flanges

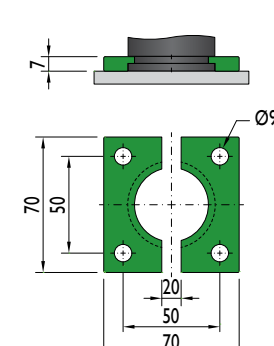
BFE-500



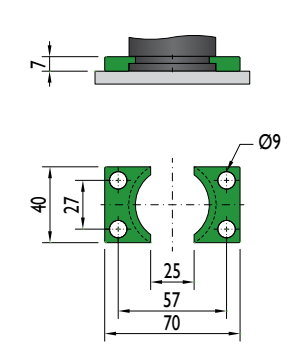
BFI-500



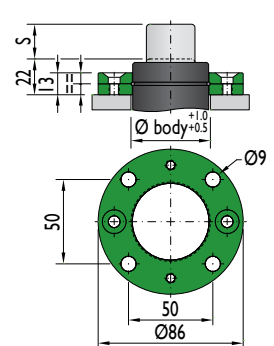
FR-500



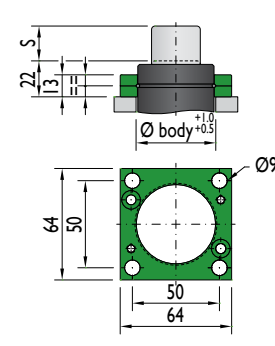
AR-500



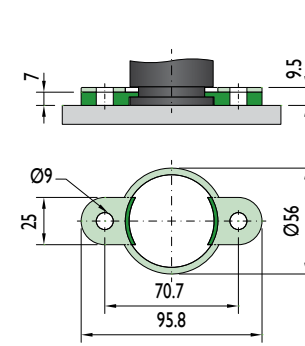
XS-500



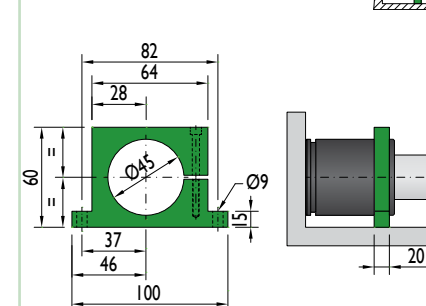
XC-500



PR-500

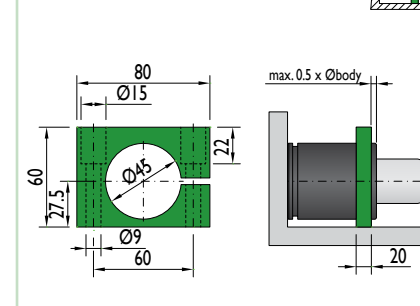


CS-500

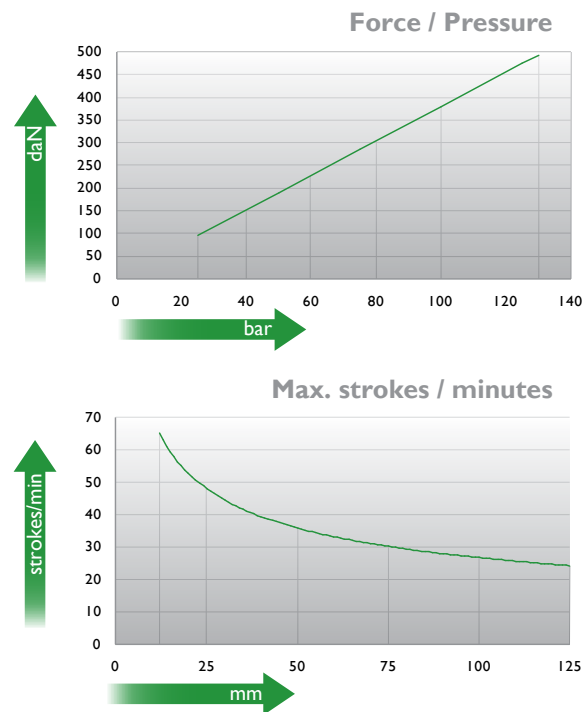
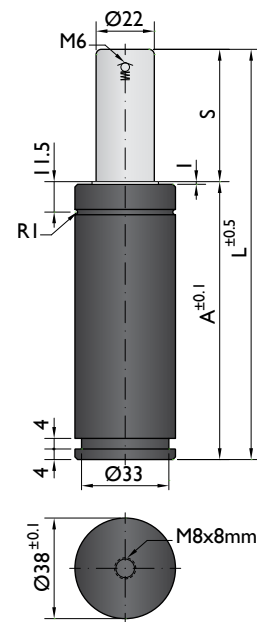


Flange must not support spring's force

CF-500



Flange must not support spring's force



Ordering example: 4 x M-500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN		kg
				(20°C, 130 bar)			
M-500-12	12	79	67	500	650	No	0.43
M-500-15	15	85	70		670	No	0.45
M-500-25	25	105	80		700	No	0.48
M-500-38	38	131	93		730	No	0.55
M-500-50	50	155	105		740	No	0.58
M-500-63	63	186	123		740	No	0.66
M-500-80	80	220	140		740	No	0.72
M-500-100	100	260	160		750	No	0.80
M-500-125	125	310	185		750	No	0.91

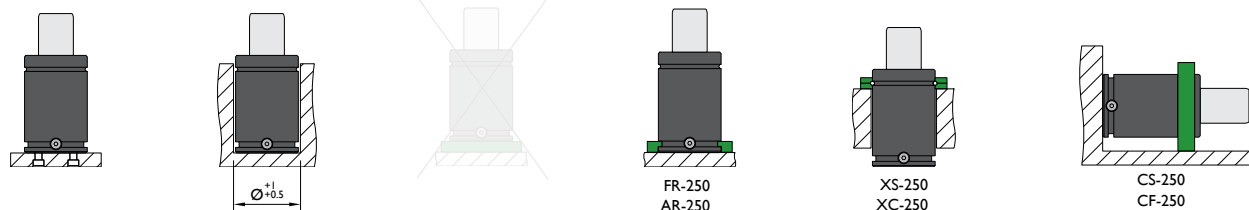
other strokes under request

alternative forces upon request



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	130 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT M-500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

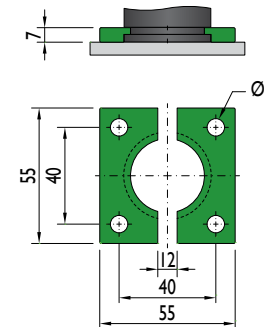
Mounting possibilities



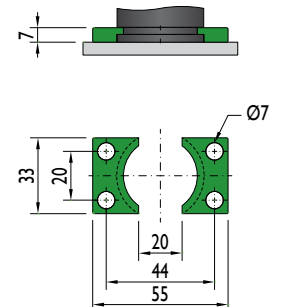
Flange must not support spring's force

Flanges

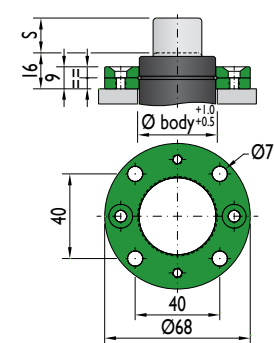
FR-250



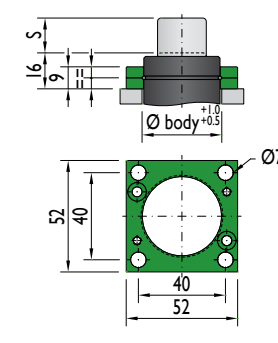
AR-250



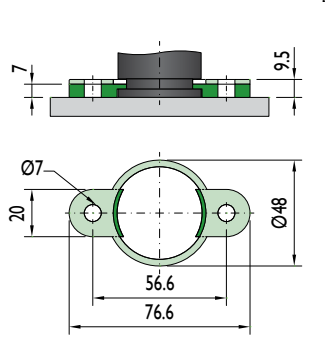
XS-250



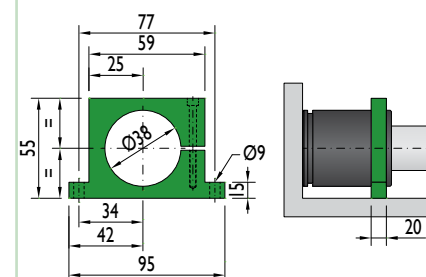
XC-250



PR-250

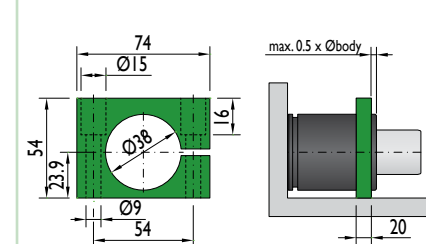


CS-250



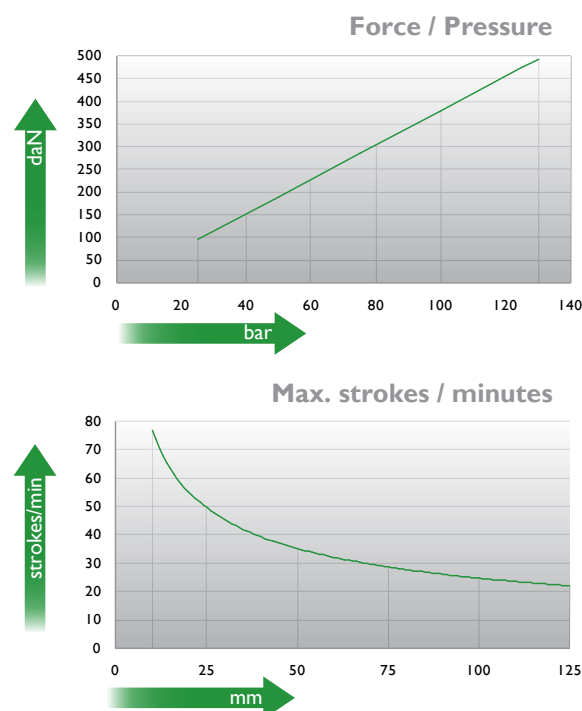
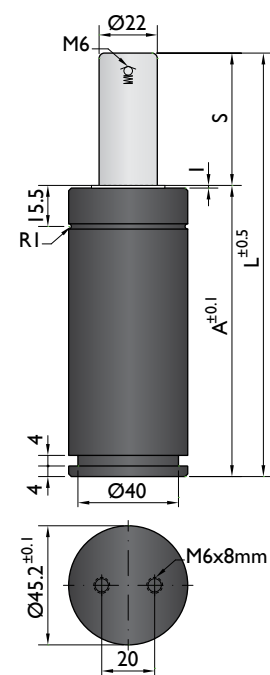
Flange must not support spring's force

CF-250



Flange must not support spring's force

Special mounts available on
www.nitrogas.com



Ordering example: 4 x G-500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 130 bar)	F daN	kg
G-500-12	12	84	72	500	610	0.66
G-500-25	25	110	85		670	0.77
G-500-38	38	136	98		700	0.88
G-500-50	50	160	110		720	0.91
G-500-63	63	186	123		730	1.00
G-500-80	80	220	140		740	1.12
G-500-100	100	260	160		750	1.45
G-500-125	125	310	185		800	1.85

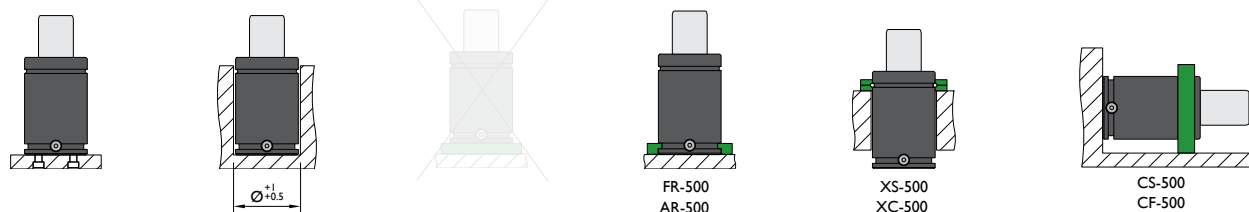
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	130 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT G-500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

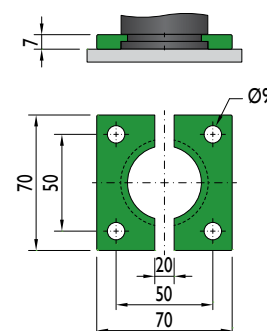
Mounting possibilities



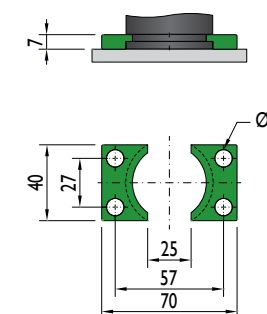
Flange must not support spring's force

Flanges

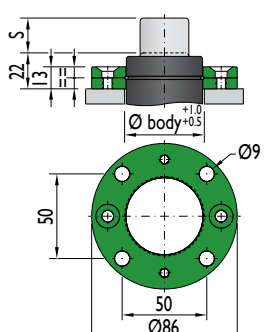
FR-500



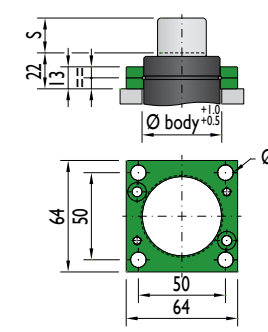
AR-500



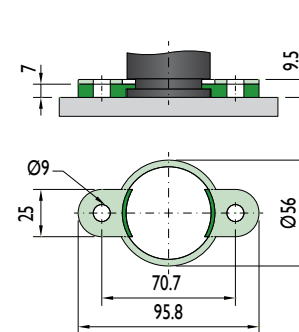
XS-500



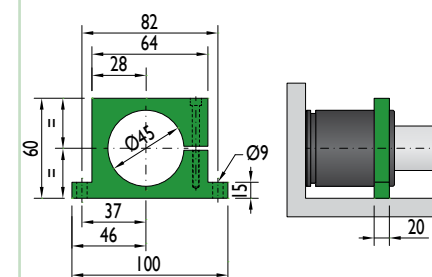
XC-500



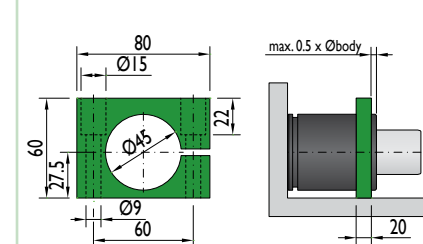
PR-500



CS-500



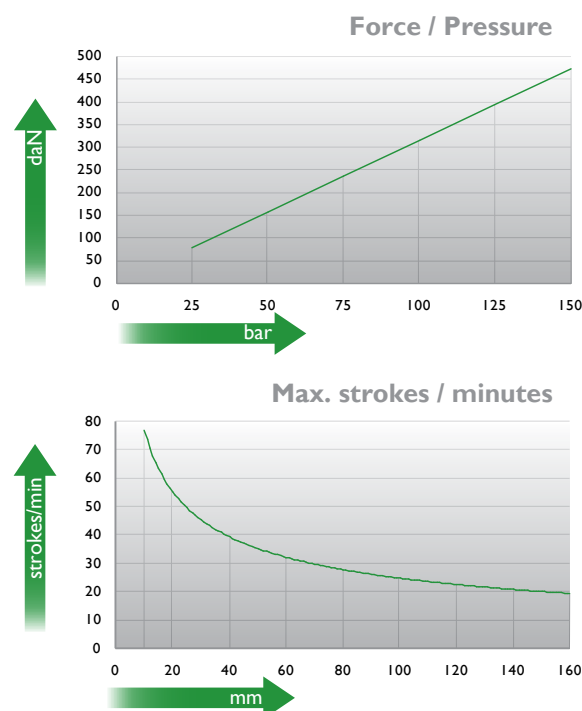
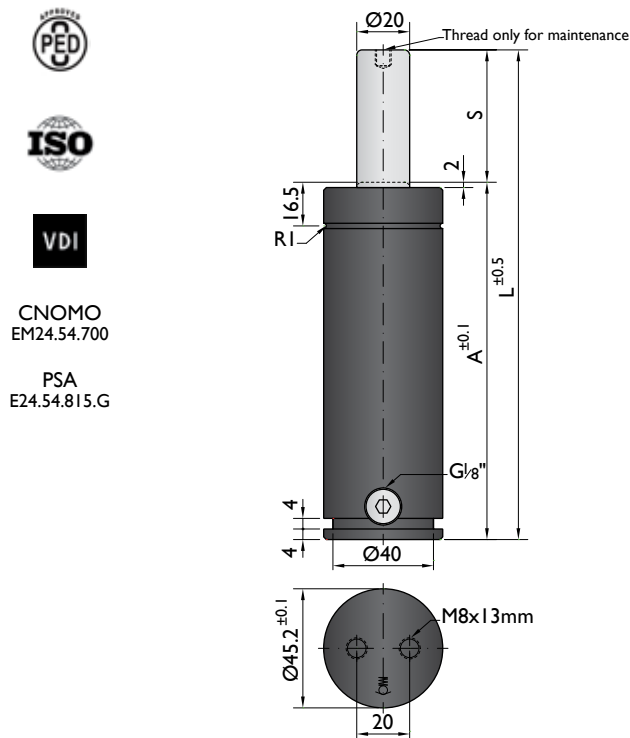
CF-500



Special mounts available on
www.nitrogas.com

Flange must not support spring's force

Flange must not support spring's force



Ordering example: 4 x CN-500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
CN-500-13	12.7	110.4	97.7	470	540	0.73
CN-500-25	25	135	110		580	0.87
CN-500-38	38.1	161.2	123.1		610	0.96
CN-500-50	50	185	135		620	1.06
CN-500-63	63.5	212	148.5		630	1.18
CN-500-80	80	245	165		650	1.34
CN-500-100	100	285	185		670	1.50
CN-500-125	125	335	210		680	1.72
CN-500-160	160	405	245		690	2.03

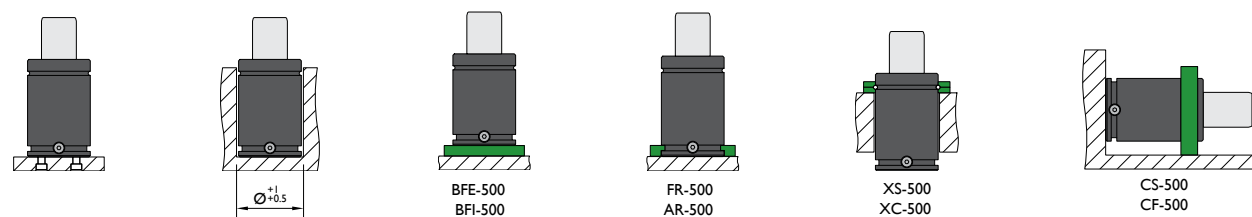
other strokes under request

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 CN-500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

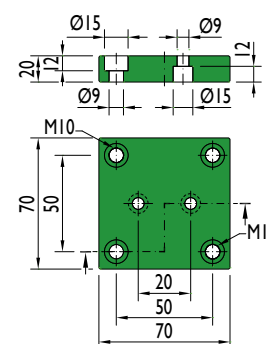
Mounting possibilities



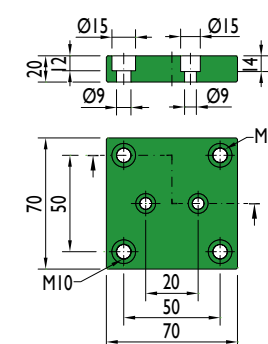
Flange must not support spring's force

Flanges

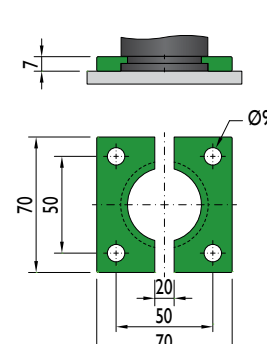
BFE-500



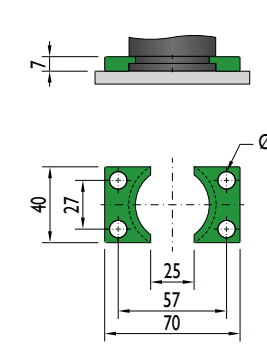
BFI-500



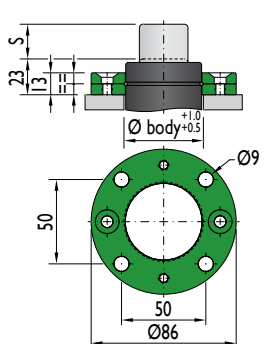
FR-500



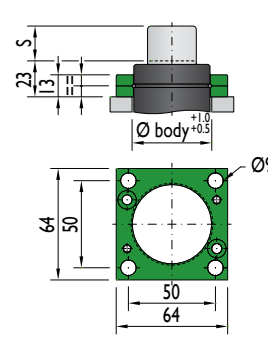
AR-500



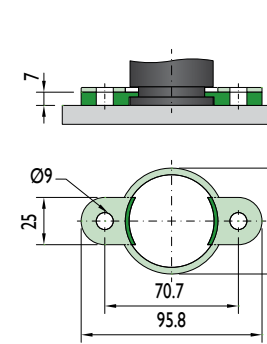
XS-500



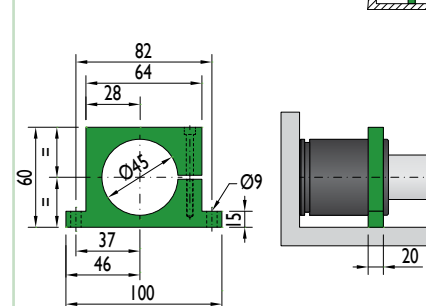
XC-500



PR-500

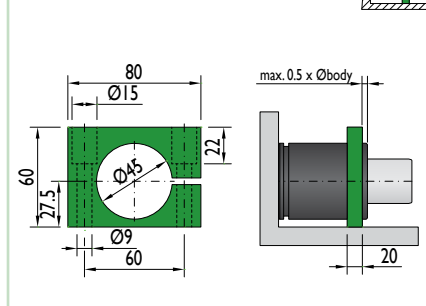


CS-500



Flange must not support spring's force

CF-500



Flange must not support spring's force