

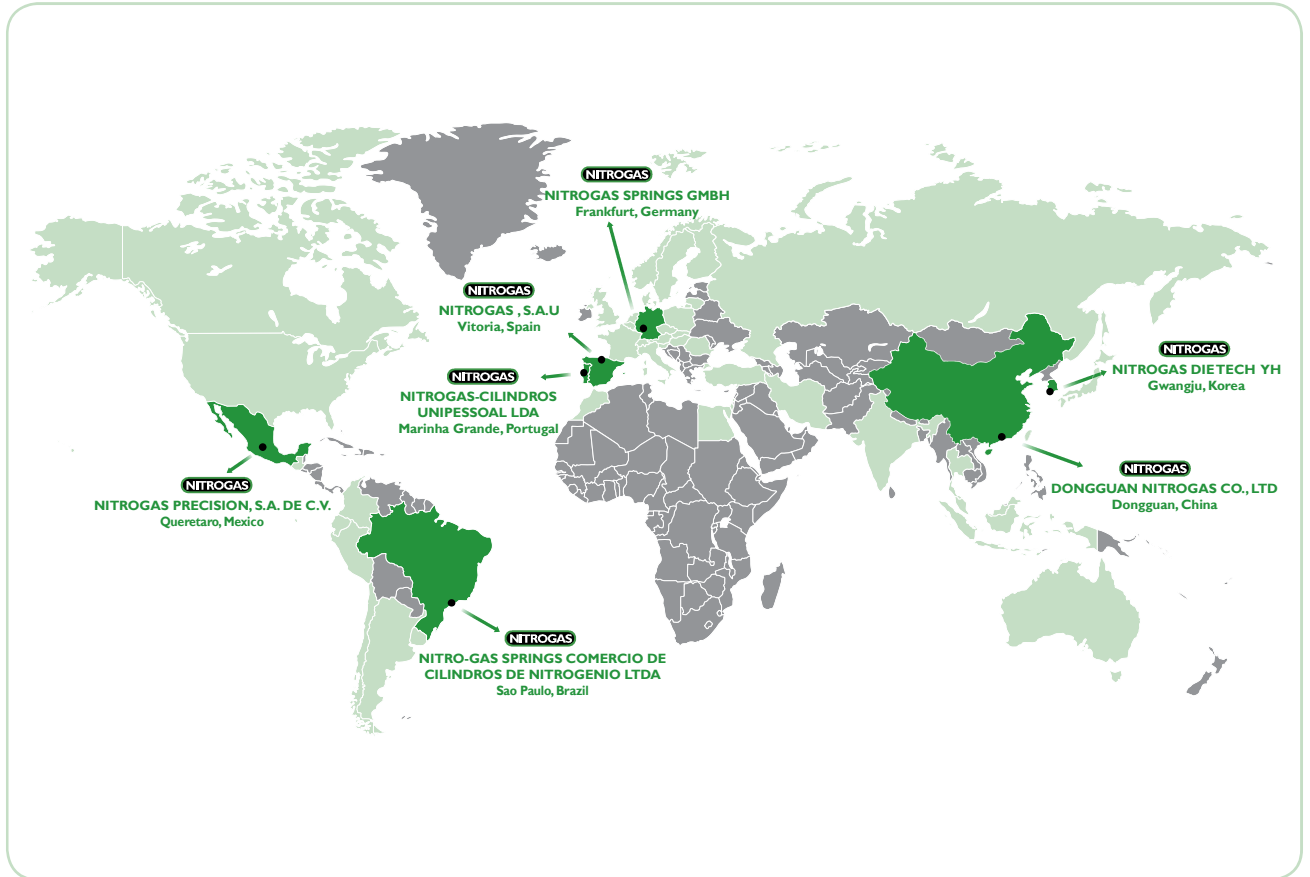
NITROGAS

DIE STORAGE GAS SPRING



NITROGAS is a global company that has a worldwide presence through its own network of subsidiaries and extensive distributor network.

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Israel	Thailand

AFRICA

Morocco
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www.nitrogas.com/es/Worldwide.aspx

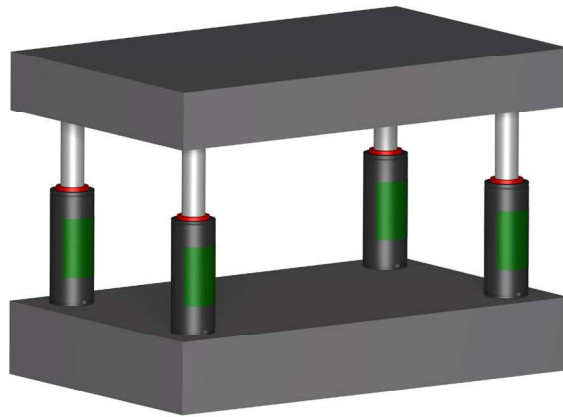
DIE STORAGE CYLINDERS

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SG-1500	4
SG-3000	6
SG-5000	8
SG-7500	10



DIE STORAGE CYLINDERS

NITROGAS Die Storage Cylinders are desined to substitute conventional distance blocks.



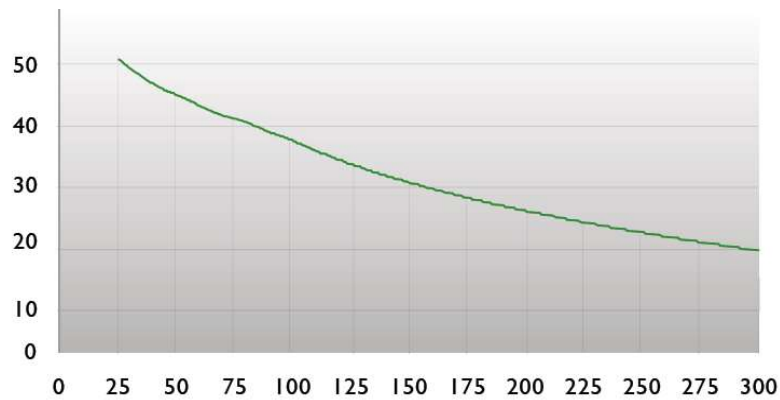
Features and benefit of NITROGAS Die Storage Cylinders:

- Capability of storage tools of diferent sizes (from 12 to 40 tons).
- Double life than standard gas springs.
- ISO gas springs dimension.
- Initial forces from 1.500daN to 7.500daN.
- Stroke lenghts of 25 up to 300mm.
- Standard mounting possibilities.
- Permanent lubrication.
- All Storage Cylinders included ESK system, which accept two degree of side load.
- Total Security: Over-Stroke. Over-Pressure and Excessive Return Speed Protection system.

	Initial Force(daN) at 150bar / 20°C	25	38	50	63.5	80	100	125	160	200	250	300
SG-1500	1500	*	*	*	*	*	*	*	*	*	*	*
SG-3000	3000	*	*	*	*	*	*	*	*	*	*	*
SG-5000	5000	*	*	*	*	*	*	*	*	*	*	*
SG-7500	7500	*	*	*	*	*	*	*	*	*	*	*

Basic Information

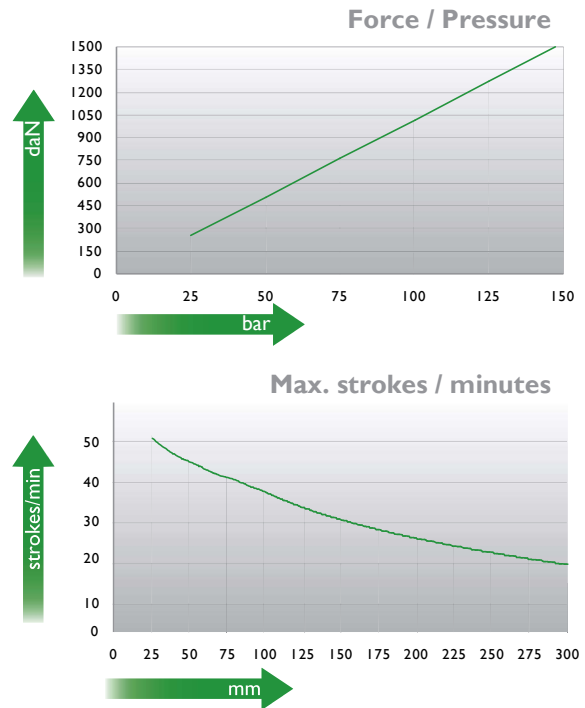
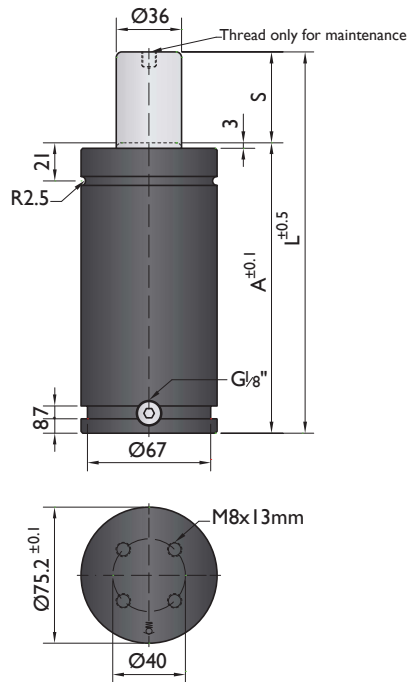
- Pressure medium Nitrogen
- Max. charging pressure 150 bar (at 20°C)
- Min. charging pressure 20 bar (at 20°C)
- Min. compression <1,6
- Operating temperature 0-80°C
- Force increase by temperature ±0,34% / °C
- Max. piston rod velocity 2m/s





CNOMO
EM24.54.700

PSA
E24.54.815.G



Ordering example: 4 x SG-1500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	(3)	kg
SG-1500-25	25	160	135	1500	1800	No	3.48
SG-1500-38	38.1	186.2	148.1		1900	No	3.71
SG-1500-50	50	210	160		2000	No	4.05
SG-1500-63	63.5	237	173.5		2000	No	4.28
SG-1500-80	80	270	190		2000	No	4.37
SG-1500-100	100	310	210		2000	Yes	4.44
SG-1500-125	125	360	235		2100	Yes	4.87
SG-1500-160	160	430	270		2100	Yes	5.29
SG-1500-200	200	510	310		2100	Yes	6.75
SG-1500-250	250	610	360		2100	Yes	7.62
SG-1500-300	300	710	410	2100	Yes	8.48	

⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes

* other strokes under request

* alternative forces upon request

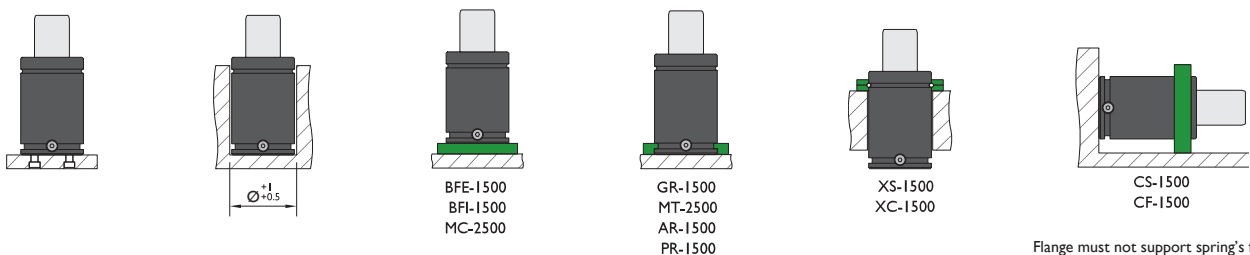


Pressure medium N₂
Max. Charging pressure 150 bar
Min. Charging pressure 25 bar

Working temperature 0-80°C
Temperature related force increase +0.34%/°C
Max. working speed 2 m/s

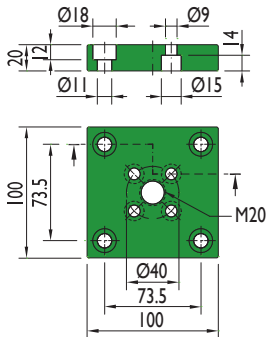
Min. security stroke 10%
Repair Kit KIT G-1500
Linkable M6-G1/8"

Mounting possibilities

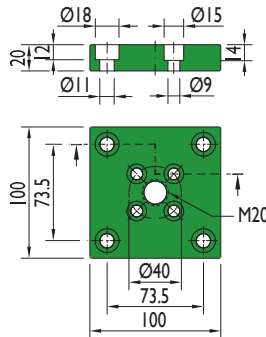


Flanges

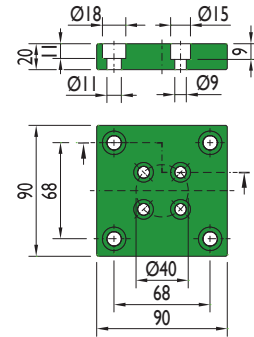
BFE-1500



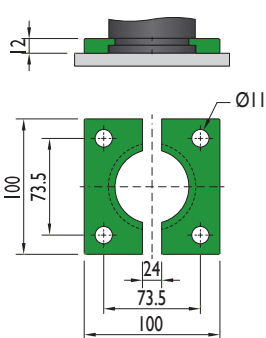
BFI-1500



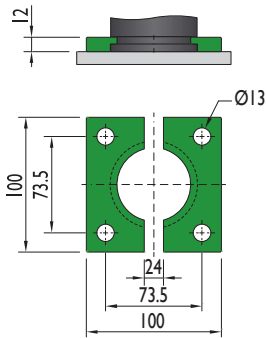
MC-2500



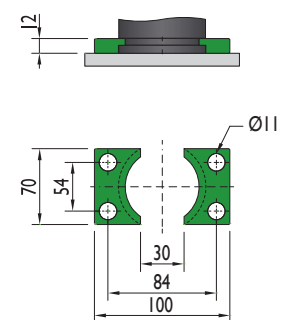
GR-1500



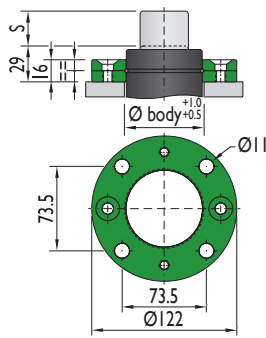
MT-2500



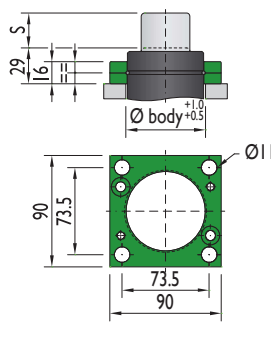
AR-1500



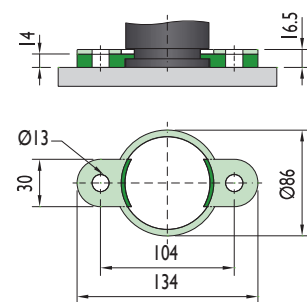
XS-1500



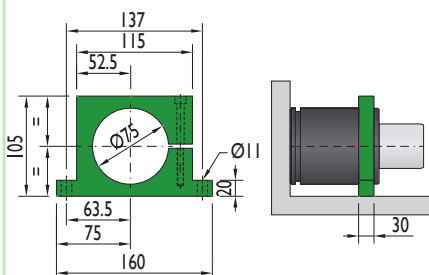
XC-1500



PR-1500



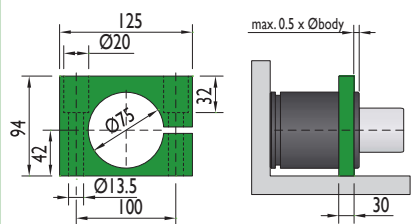
CS-1500



Flange must not support spring's force



CF-1500



Flange must not support spring's force

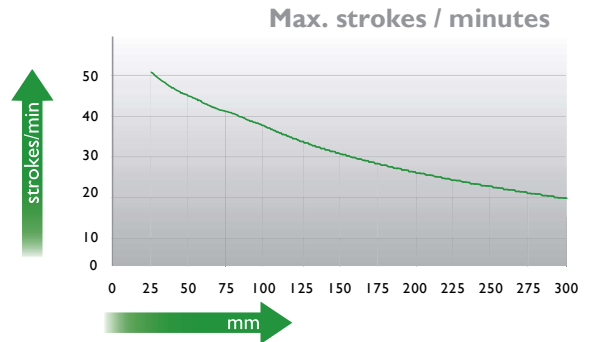
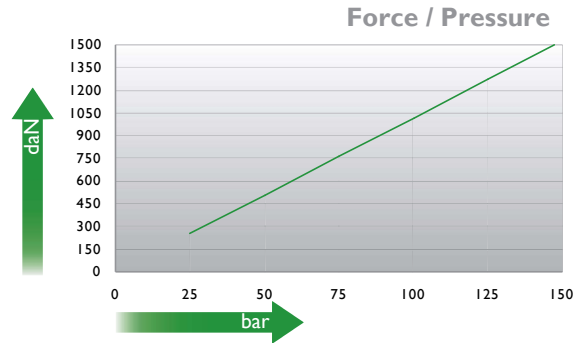
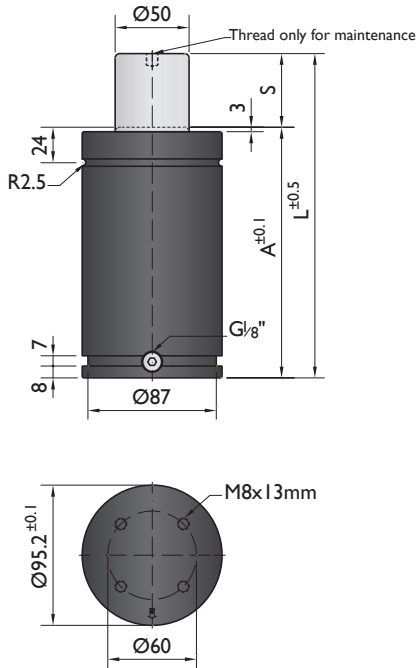


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Ordering example: 4 x SG-3000-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	ESK ⁽³⁾	kg
SG-3000-25	25	170	145		3500	No	5.86
SG-3000-38	38.1	196.2	158.1		3700	No	6.20
SG-3000-50	50	220	170		3800	No	6.66
SG-3000-63	63.5	247	183.5		3900	No	7.00
SG-3000-80	80	280	200		4000	No	8.28
SG-3000-100	100	320	220	3000	4200	Yes	8.65
SG-3000-125	125	370	245		4200	Yes	8.97
SG-3000-160	160	440	280		4200	Yes	9.86
SG-3000-200	200	520	320		4300	Yes	10.92
SG-3000-250	250	620	370		4300	Yes	12.25
SG-3000-300	300	720	420		4400	Yes	13.58

⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes

* other strokes under request

* alternative forces upon request

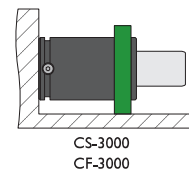
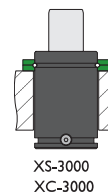
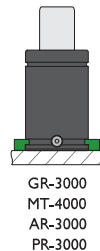
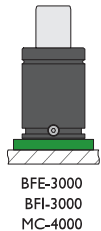
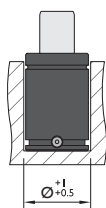
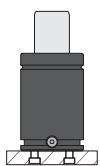


Pressure medium N₂
Max. Charging pressure 150 bar
Min. Charging pressure 25 bar

Working temperature 0-80°C
Temperature related force increase +0.34%/°C
Max. working speed 2 m/s

Min. security stroke 10%
Repair Kit KIT G-3000
Linkable M6-G1/8"

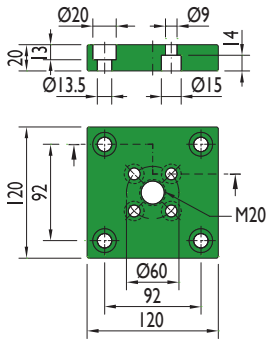
Mounting possibilities



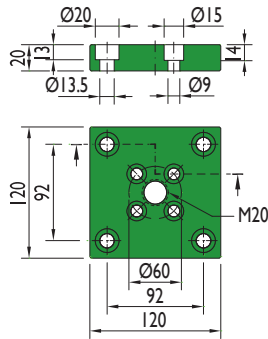
Flange must not support spring's force

Flanges

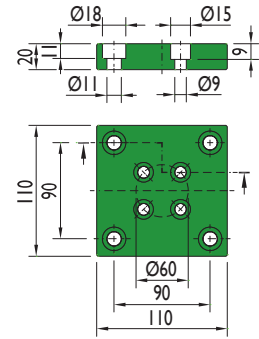
BFE-3000



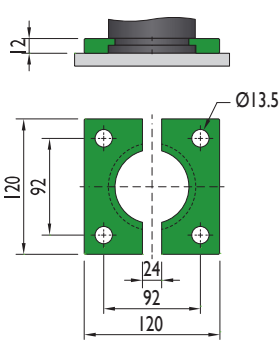
BFI-3000



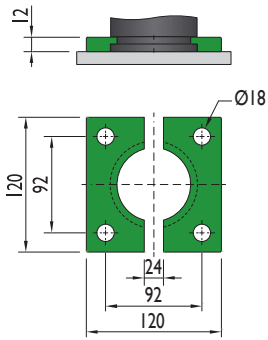
MC-4000



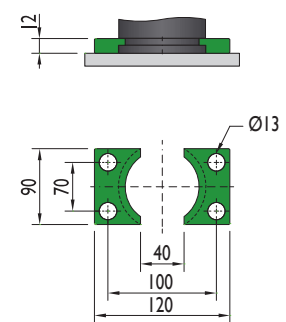
GR-3000



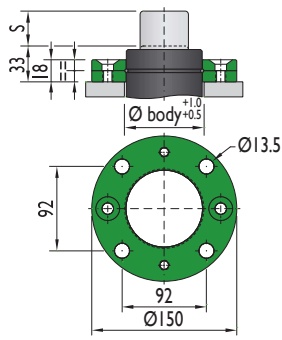
MT-4000



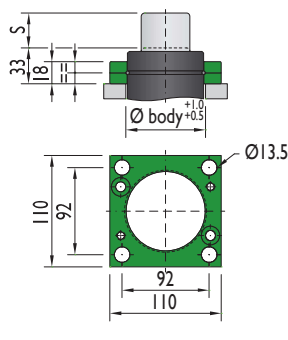
AR-3000



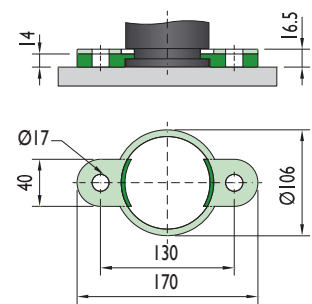
XS-3000



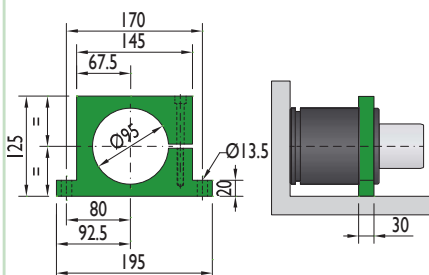
XC-3000



PR-3000



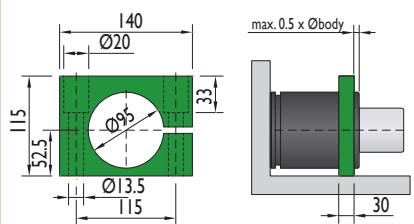
CS-3000



Flange must not support spring's force



CF-3000



Flange must not support spring's force

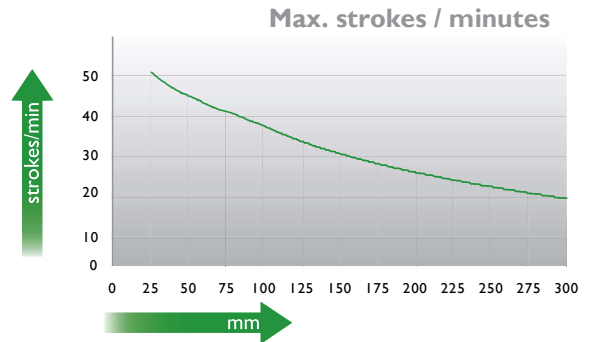
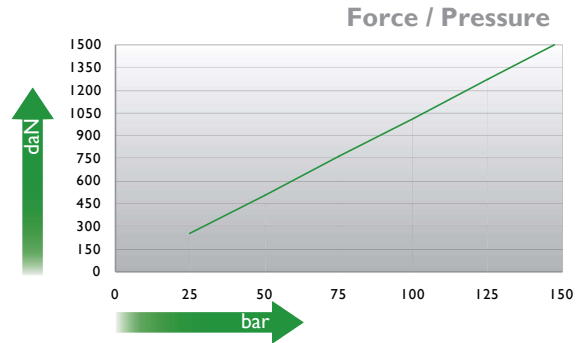
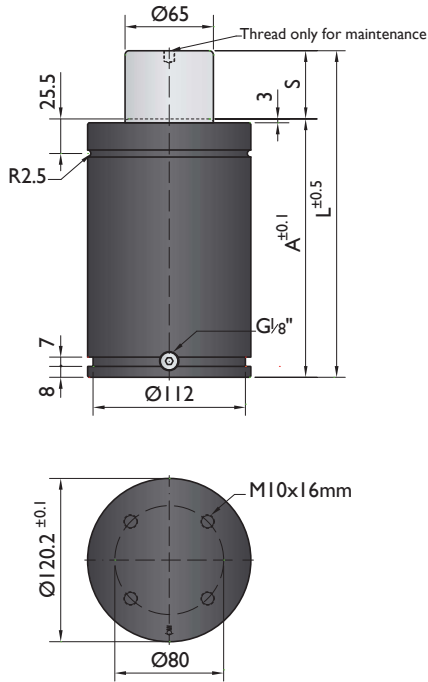


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E24.54.815.G



Ordering example: 4 x SG-5000-125

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

* other strokes under request

* alternative forces upon request

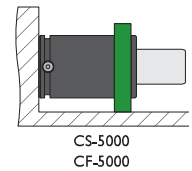
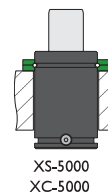
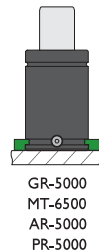
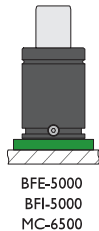
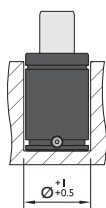
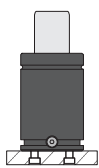


Pressure medium N₂
Max. Charging pressure 150 bar
Min. Charging pressure 25 bar

Working temperature 0-80°C
Temperature related force increase +0.34%/°C
Max. working speed 2 m/s

Min. security stroke 10%
Repair Kit KIT G-5000
Linkable M6-G1/8"

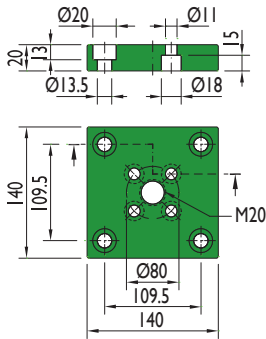
Mounting possibilities



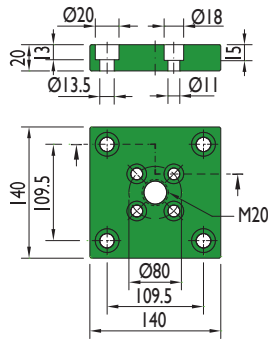
Flange must not support spring's force

Flanges

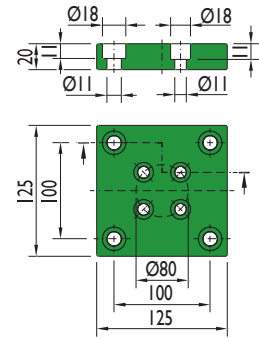
BFE-5000



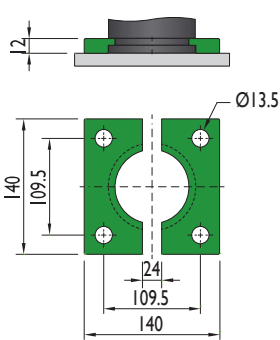
BFI-5000



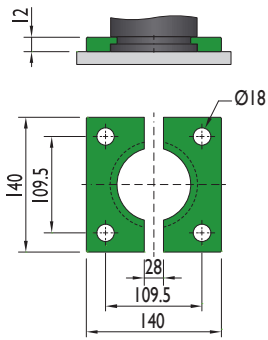
MC-6500



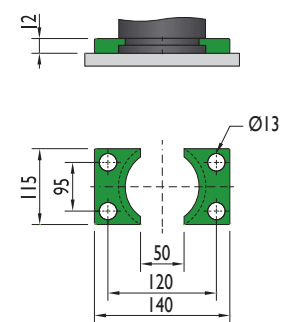
GR-5000



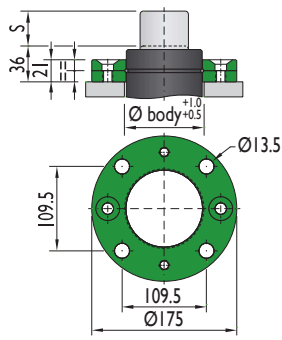
MT-6500



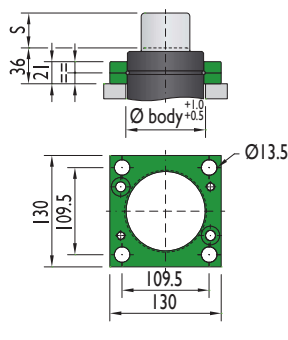
AR-5000



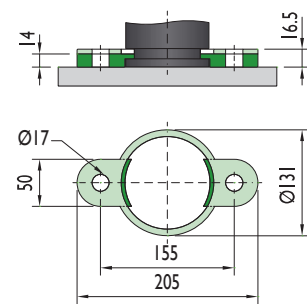
XS-5000



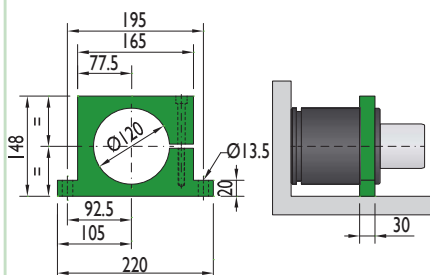
XC-5000



PR-5000



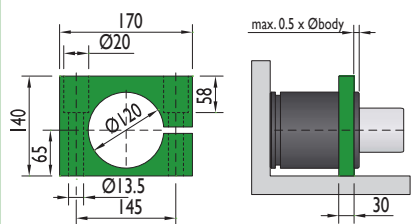
CS-5000



Flange must not support spring's force



CF-5000



Flange must not support spring's force

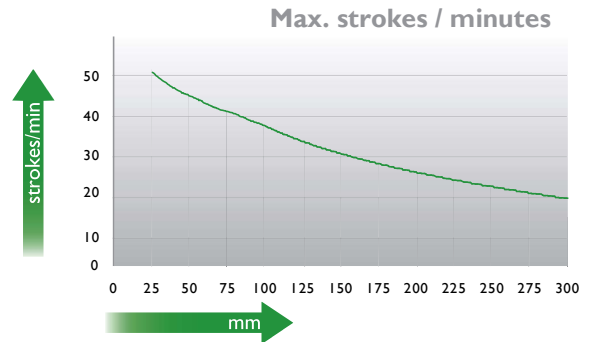
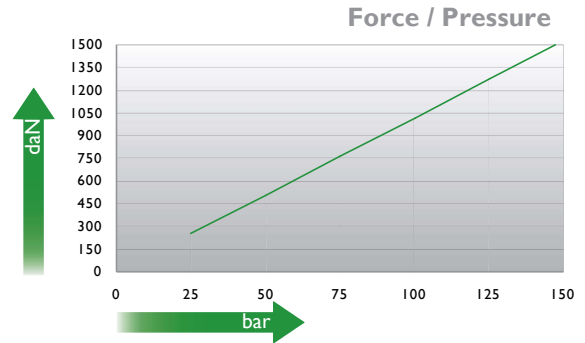
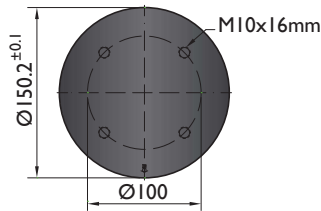
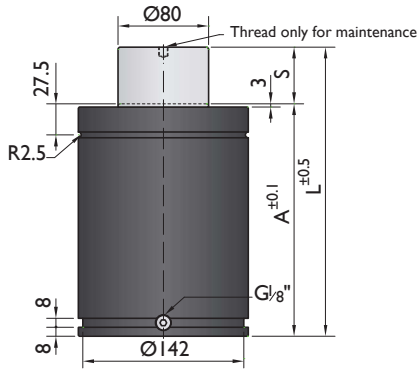


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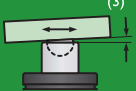


CNOMO
EM24.54.700

PSA
E24.54.815.G



Ordering example: 4 x SG-7500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	 ⁽³⁾	kg
SG-7500-25	25	205	180		9000	No	18.06
SG-7500-38	38.1	231.2	193.1		9400	No	18.93
SG-7500-50	50	255	205		9700	No	20.30
SG-7500-63	63.5	282	218.5		9900	No	21.08
SG-7500-80	80	315	235		10100	No	22.21
SG-7500-100	100	355	255	7500	10500	Yes	23.47
SG-7500-125	125	405	280		10700	Yes	24.96
SG-7500-160	160	475	315		10900	Yes	27.01
SG-7500-200	200	555	355		11100	Yes	29.81
SG-7500-250	250	655	405		11200	Yes	33.01
SG-7500-300	300	755	455		11300	Yes	36.11

⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes

* other strokes under request

* alternative forces upon request

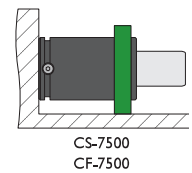
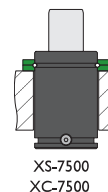
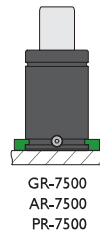
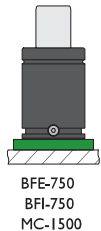
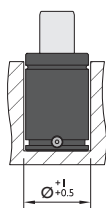
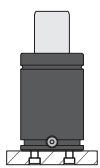


Pressure medium N₂
Max. Charging pressure 150 bar
Min. Charging pressure 25 bar

Working temperature 0-80°C
Temperature related force increase +0.34%/°C
Max. working speed 2 m/s

Min. security stroke 10%
Repair Kit KIT CN-7500
Linkable M6-G1/8"

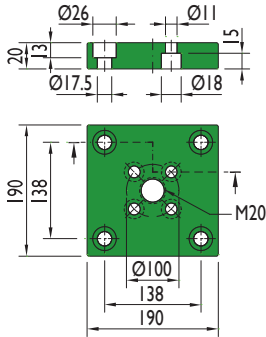
Mounting possibilities



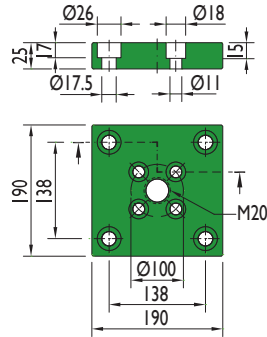
Flange must not support spring's force

Flanges

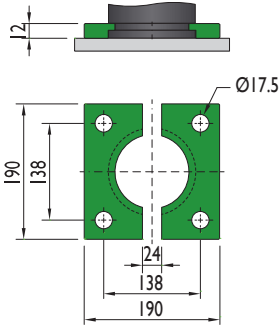
BFE-7500



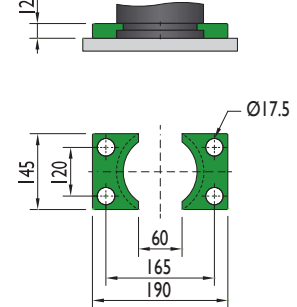
BFI-7500



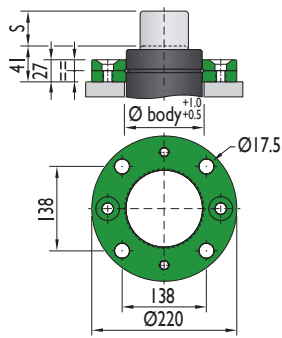
GR-7500



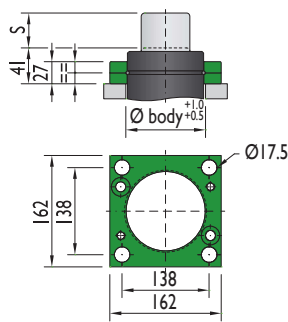
AR-7500



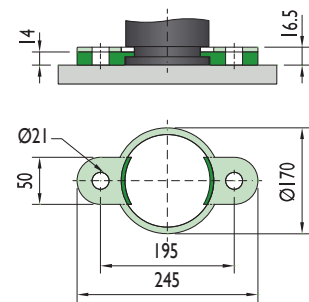
XS-7500



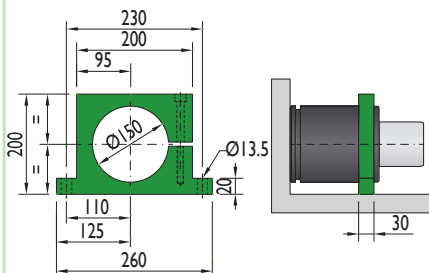
XC-7500



PR-7500



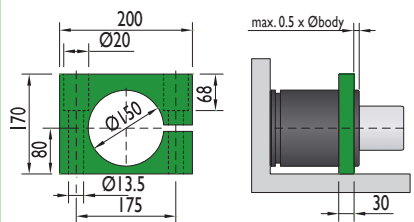
CS-7500



Flange must not support spring's force



CF-7500



Flange must not support spring's force



Contacts



CAD files of the product can be downloaded FREE from our website:
<http://www.nitrogas.com/es/Downloads.aspx>



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