

## Force 750 daN

### Piston Rod Sealed gas springs

<b>Model</b>	KP-750	NR-750	K-750	KH-750	HG-750	HD-750	G-750
<b>Initial F (daN)</b>	740	740	740	740	740	740	740
<b>L max (mm)</b>	2xStroke+32	2xStroke+47	2xStroke+50	2xStroke+50	2xStroke+70	2xStroke+85	2xStroke+95
<b>Stroke (mm)</b>	10-125	10-125	12-125	12.7-125	12.5-200	13-200	12.7-300
			* 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	PED 2014/68/EU
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
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

## Force 750 daN

### Bore Sealed gas springs

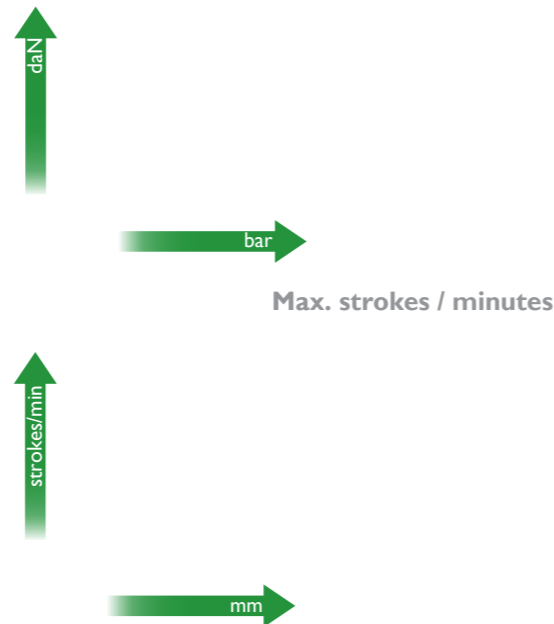
<b>Model</b>	TS-750
<b>Initial F (daN)</b>	740
<b>L max (mm)</b>	63-195
<b>Stroke (mm)</b>	6-50
	* other strokes under request

### Standards

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



Force / Pressure



Ordering example: 4 x KP-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
KP-750-10	10	52	42	740	1000	No	0.33
KP-750-13	13	58	45		1000	No	0.41
KP-750-16	16	64	48		1000	No	0.42
KP-750-19	19	70	51		1100	No	0.44
KP-750-25	25	82	57		1100	No	0.45
KP-750-32	32	96	64		1100	No	0.50
KP-750-38	38	108	70		1100	No	0.58
KP-750-50	50	132	82		1100	No	0.67
KP-750-63	63	158	95		1100	No	0.75
KP-750-75	75	182	107		1100	No	0.84
KP-750-80	80	192	112		1100	No	0.87
KP-750-100	100	232	132		1100	No	1.01
KP-750-125	125	282	157		1100	No	1.18

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

### Mounting possibilities

Ø<sup>+0.5</sup>

BFE-500  
BFI-500

FR-500  
AR-500  
PR-500

XS-500  
XC-500

CS-500  
CF-500

BFE-500



BFI-500



FR-500



AR-500



XS-500



XC-500



PR-500



CS-500



CF-500

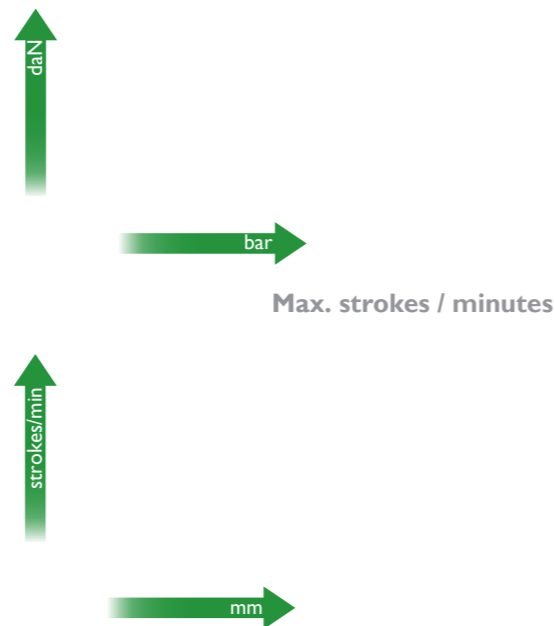


Flange must not support spring's force

Flange must not support spring's force



Force / Pressure



Ordering example: 4 x NR-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
NR-750-10	10	67	57	740	1000	No	0.56
NR-750-13	13	73	60		1000	No	0.56
NR-750-16	16	79	63		1100	No	0.58
NR-750-19	19	85	66		1100	No	0.59
NR-750-25	25	97	72		1100	No	0.63
NR-750-32	32	111	79		1100	No	0.66
NR-750-38	38	123	85		1100	No	0.71
NR-750-50	50	147	97		1100	No	0.78
NR-750-63	63	173	110		1100	No	0.85
NR-750-75	75	197	122		1100	No	0.94
NR-750-80	80	207	127		1100	No	0.98
NR-750-100	100	247	147		1100	No	1.10
NR-750-125	125	297	172		1100	No	1.25

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

### Mounting possibilities

Ø<sup>+0.5</sup>

BFE-500  
BFI-500

FR-500  
AR-500  
PR-500

XS-500  
XC-500

CS-500  
CF-500

BFE-500

BFI-500

FR-500

AR-500

XS-500

XC-500

PR-500

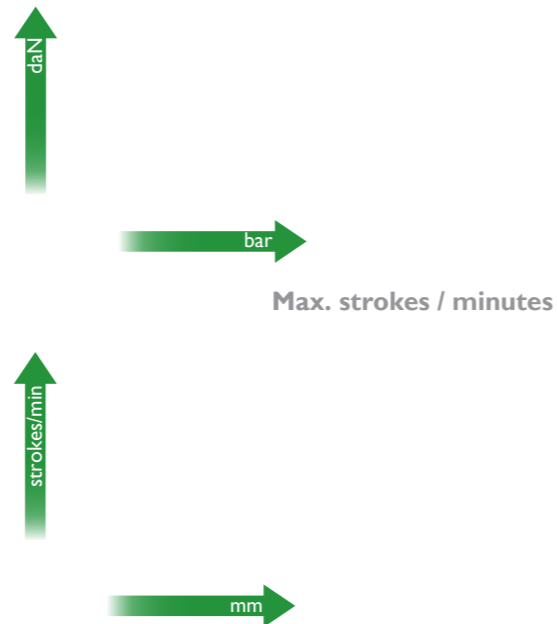
CS-500

CF-500

Flange must not support spring's force

Flange must not support spring's force

Force / Pressure



Ordering example: 4 x K-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
K-750-12	12	74	62	740	1000	No	0.59
K-750-19	19	88	69		1100	No	0.69
K-750-25	25	100	75		1100	No	0.72
K-750-38	38	126	88		1200	No	0.80
K-750-50	50	150	100		1200	No	0.88
K-750-63	63	176	113		1200	No	0.90
K-750-80	80	210	130		1200	No	1.08
K-750-100	100	250	150		1200	No	1.23
K-750-125	125	300	175		1200	No	1.45

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

### Mounting possibilities

Ø<sup>+0.05</sup>

BFE-500  
BFI-500

FR-500  
AR-500  
PR-500

XSK-750  
XCK-750

CS-500  
CF-500

BFE-500



BFI-500



ISO

FR-500



VDI

ISO

AR-500



XSK-750



XCK-750



PR-500



CS-500



CF-500

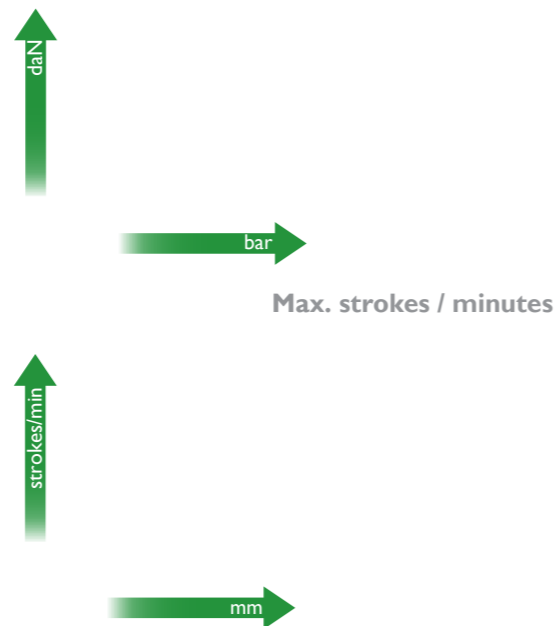


Flange must not support spring's force

Flange must not support spring's force

VDI

Force / Pressure



Ordering example: 4 x KH-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
KH-750-13	12.7	75.4	62.7	740	1300	No	0.73
KH-750-19	19	88	69		1300	No	0.80
KH-750-25	25	100	75		1200	No	0.84
KH-750-38	38.1	126.2	88.1		1100	No	0.95
KH-750-50	50	150	100		1100	No	1.06
KH-750-63	63.5	177	113.5		1100	No	1.14
KH-750-80	80	210	130		1100	No	1.32
KH-750-100	100	250	150		1100	No	1.50
KH-750-125	125	300	175		1100	No	1.62

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

### Mounting possibilities

Ø<sup>+0.5</sup>

BFE-750  
BFI-750  
MC-1000

GR-750  
MT-1000  
AR-750  
PR-750

XS-750  
XC-750

CS-750  
CF-750

BFE-750



BFI-750



MC-1000



GR-750



MT-1000



AR-750



XS-750



XC-750



PR-750



CS-750



CF-750



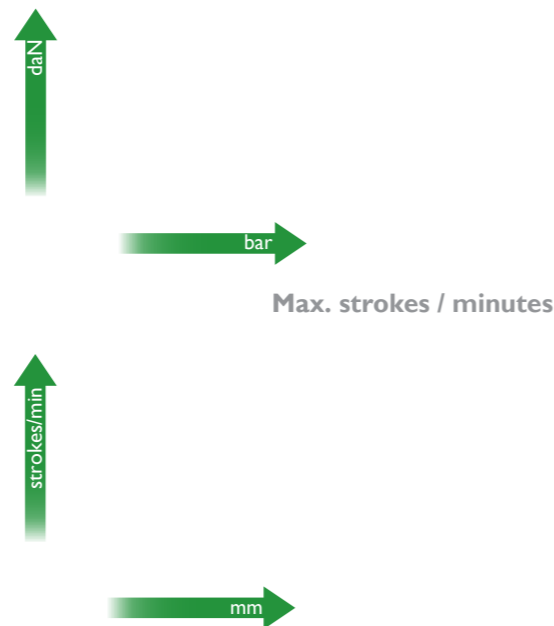
Flange must not support spring's force



Flange must not support spring's force



Force / Pressure



Ordering example: 4 x HG-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
HG-750-13	12.5	95	82.5	740	1100	No	0.97
HG-750-25	25	120	95		1100	No	1.08
HG-750-38	37.5	145	107.5		1100	No	1.2
HG-750-50	50	170	120		1100	No	1.32
HG-750-63	62.5	195	132.5		1100	No	1.42
HG-750-80	80	230	150		1100	No	1.58
HG-750-100	100	270	170		1100	No	1.77
HG-750-125	125	320	195		1200	No	2.01
HG-750-160	160	390	230		1200	No	2.34
HG-750-200	200	470	270		1200	No	2.72

<sup>(1)</sup> other strokes under request      <sup>(2)</sup> alternative forces upon request      <sup>(3)</sup> ESK available for other strokes

Mounting possibilities




















Ø<sup>+0.5</sup>

BFE-750  
BFI-750  
MC-1000

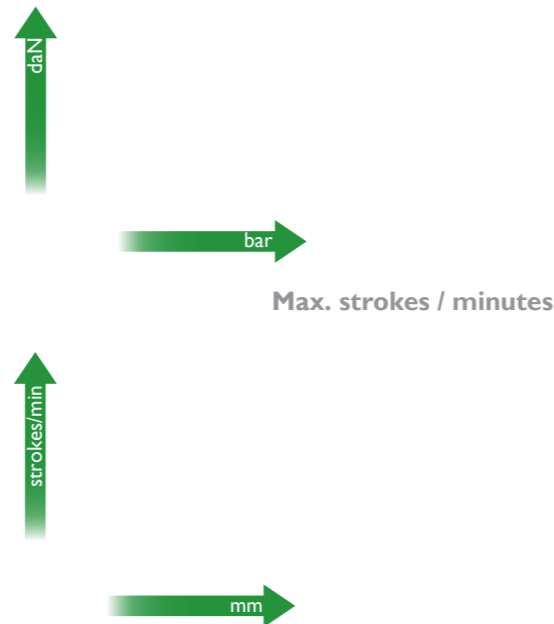
GR-750  
MT-1000  
AR-750  
PR-750

XS-750  
XC-750

CS-750  
CF-750

<b>BFE-750</b> 	<b>BFI-750</b>  	<b>MC-1000</b> 
<b>GR-750</b>   	<b>MT-1000</b> 	<b>AR-750</b> 
<b>XS-750</b>  	<b>XC-750</b>   	<b>PR-750</b> 
<b>CS-750</b>   Flange must not support spring's force	<b>CF-750</b>   Flange must not support spring's force	

Force / Pressure



Ordering example: 4 x HD-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
HD-750-13	13	111	98	740	1100	No	0.80
HD-750-25	25	135	110		1100	No	0.93
HD-750-38	38	161	123		1100	No	1.10
HD-750-50	50	185	135		1200	No	1.17
HD-750-63	63	211	148		1200	No	1.30
HD-750-80	80	245	165		1200	No	1.45
HD-750-100	100	285	185		1200	No	1.65
HD-750-125	125	335	210		1200	No	1.80
HD-750-160	160	405	245		1300	No	1.84
HD-750-200	200	485	285		1300	No	2.23

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

Mounting possibilities

∅<sup>+0.5</sup>

BFE-500  
BFI-500

FR-500  
AR-500  
PR-500

XS-500  
XC-500

CS-500  
CF-500

BFE-500



BFI-500



FR-500



AR-500



XS-500



XC-500



PR-500



CS-500



Flange must not support spring's force

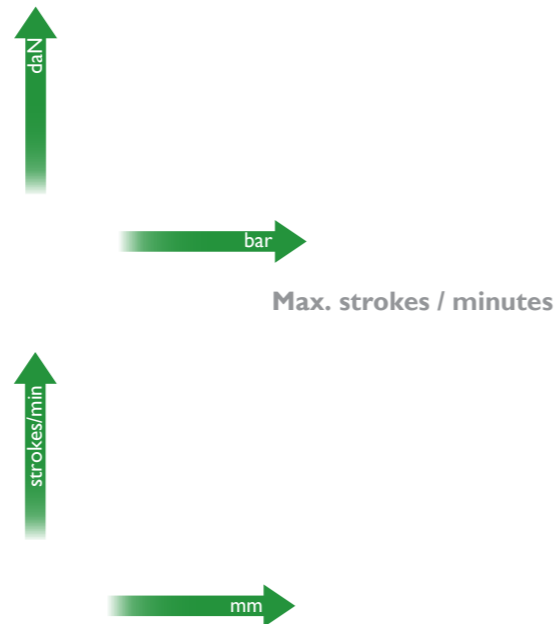
CF-500



Flange must not support spring's force



Force / Pressure



Ordering example: 4 x G-750-125

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> daN (20°C, 150 bar)	F daN	<sup>(3)</sup>	kg
G-750-13	12.7	120.4	107.7	740	800	No	1.20
G-750-25	25	145	120		900	No	1.21
G-750-38	38.1	171.2	133.1		900	No	1.38
G-750-50	50	195	145		900	No	1.50
G-750-63	63.5	222	158.5		900	No	1.57
G-750-80	80	255	175		1000	No	1.63
G-750-100	100	295	195		1000	No	1.85
G-750-125	125	345	220		1000	No	2.01
G-750-160	160	415	255		1100	No	3.80
G-750-200	200	495	295		1100	No	3.90
G-750-250	250	595	345		1200	No	4.00
G-750-300	300	695	395		1200	No	4.20

<sup>(1)</sup> other strokes under request

<sup>(2)</sup> alternative forces upon request

<sup>(3)</sup> ESK available for other strokes

### Mounting possibilities

Ø<sup>+0.5</sup>

BFE-750  
BFI-750  
MC-1000

GR-750  
MT-1000  
AR-750  
PR-750

XS-750  
XC-750

CS-750  
CF-750

BFE-750



BFI-750



MC-1000



ISO

GR-750



MT-1000



AR-750



VDI  
ISO

XS-750



XC-750



PR-750



ISO

VDI

ISO

CS-750



CF-750



ISO

Flange must not support spring's force

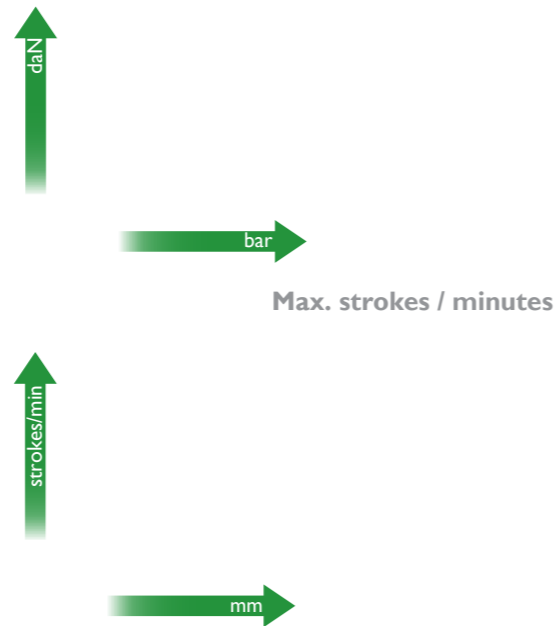
VDI

Flange must not support spring's force

Special mounts available on  
[www.nitrogas.com](http://www.nitrogas.com)



Force / Pressure



Ordering example: 4 x TS-750-50

Order No.	S <sup>(1)</sup> mm	L mm	A mm	F <sub>0</sub> <sup>(2)</sup> daN (20°C, 150 bar)	F daN		kg
TS-750-6	6	63	57	740	1200	No	0.27
TS-750-10	10	75	65		1200	No	0.32
TS-750-16	16	93	77		1200	No	0.36
TS-750-25	25	120	95		1300	No	0.47
TS-750-32	32	140	108		1300	No	0.48
TS-750-40	40	165	125		1300	No	0.55
TS-750-50	50	195	145		1300	No	0.63

<sup>(1)</sup> other strokes under request



<sup>(2)</sup> alternative forces upon request

Mounting possibilities

Ø<sup>+</sup><sub>0.5</sub>

XT-750

XS-150  
XC-150

XT-750 		
XS-150 	XC-150 