Features:

- Available in light duty and heavy duty models for applications .
- Versions are in conformity with ISO 6431/6432 standard.
- Special high-strength aluminum alloy rod guide offers high load carrying capability and abrasion resistance.
- Incorporates linear ball bearings, resulting in high radial load capacity and accurate travel.
- Tool plate with tapped holes and precisely machined mounting surface for easy attachment of tooling.

Specifications:

Series	GSB		GSF				GSL			GSM		
Type	Light duty (Plain bearing)		Light duty flange (Plain bearing)				Heavy duty (Plain bearing) / Heavy duty (Linear ball bearing)					
Bore sizes	ø20	ø25	ø32	ø40	ø50	ø63	ø20	ø25	ø32	ø40	ø50	ø63
The range of stroke	Stroke by request											
Operating fluid	Filtered air with or without lubrication											
Operating pressure	0.7Mpa(7kgf/cm^2)											
Temperature range(^{o}c)	-10~+60^{o}C											

How to Order:

GSB x 40 x 100 — P — MT — 2

Series

- GSB Light duty 
- GSF Light duty flange 
- GSL Plain bearing 
- GSM Linear ball bearing 

Bore

- ø20
- ø25
- ø32
- ø40
- ø50
- ø63

Stroke

- 20~400mm

Rear flange coupling

- P with rear flange couping 

Reed switch

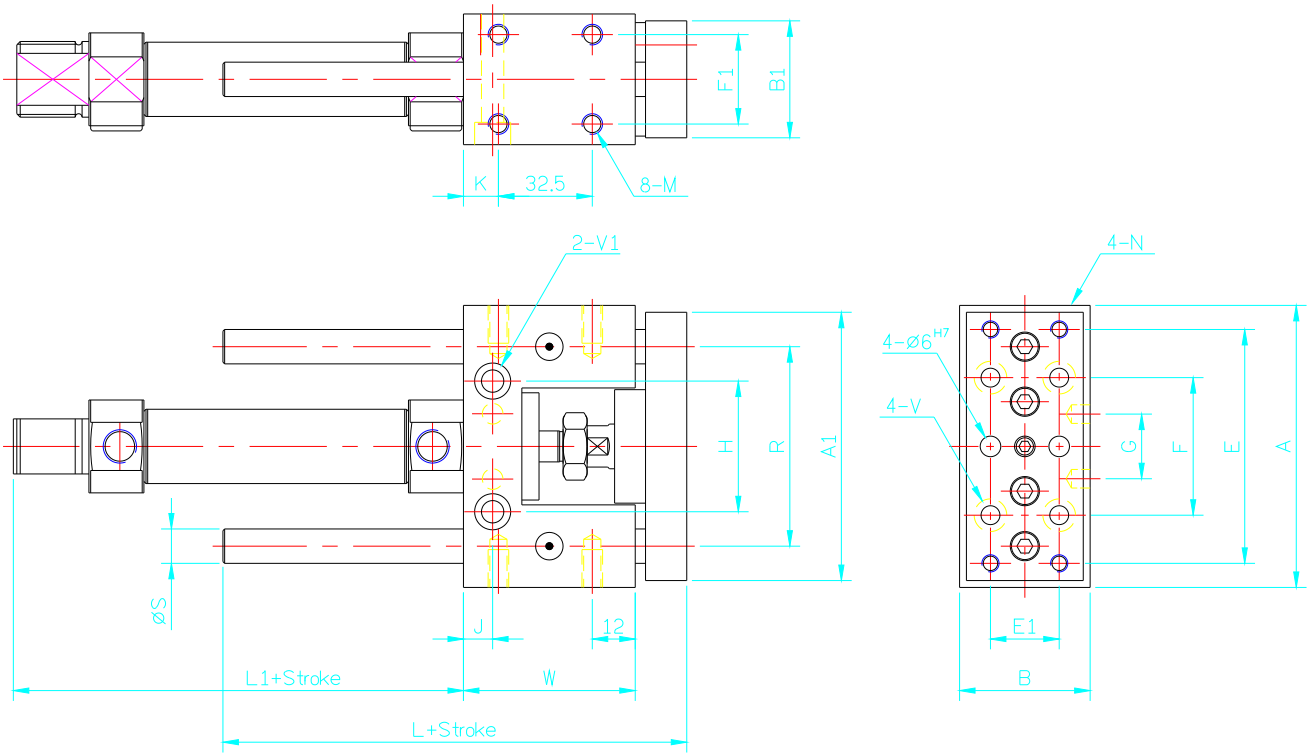
- MT-22: DC/AC 4~220V GSB20/25 GSL20/25 GSM20/25 
- SH-22: DC/AC 4~220V GSF32~63 
- SH1A: GSL/GSM 32~40 
- SH2A: GSL/GSM 50~63 

Switch quantity

- 1 : 1 PC
- 2 : 2 PCS

External Dimensions:

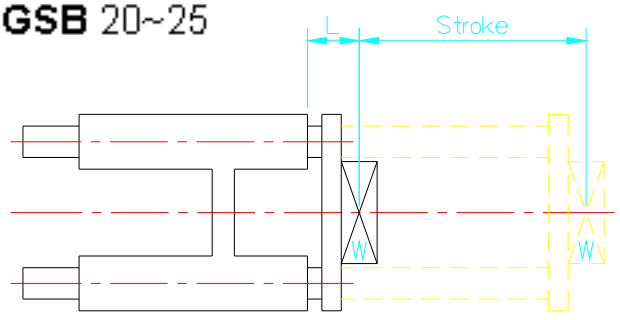
- **GSB** 20~25 (Light duty type)

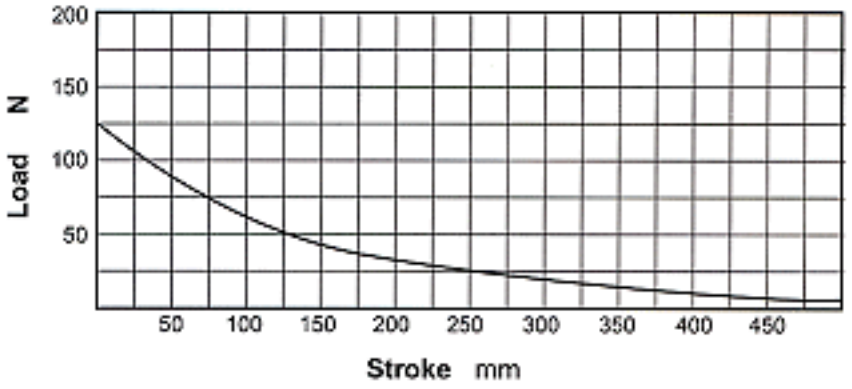


Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	V	V1	W
ø20	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	81	M6, dp11	M6, dp11	58	10	ø5.5, C'bore ø9.5dp5.4	ø6.5, C'bore ø10.5dp6.5	65
ø25	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	86	M6, dp11	M6, dp11	58	10	ø5.5, C'bore ø9.5dp5.4	ø6.5, C'bore ø10.5dp6.5	65

Maximum Allowable Loading

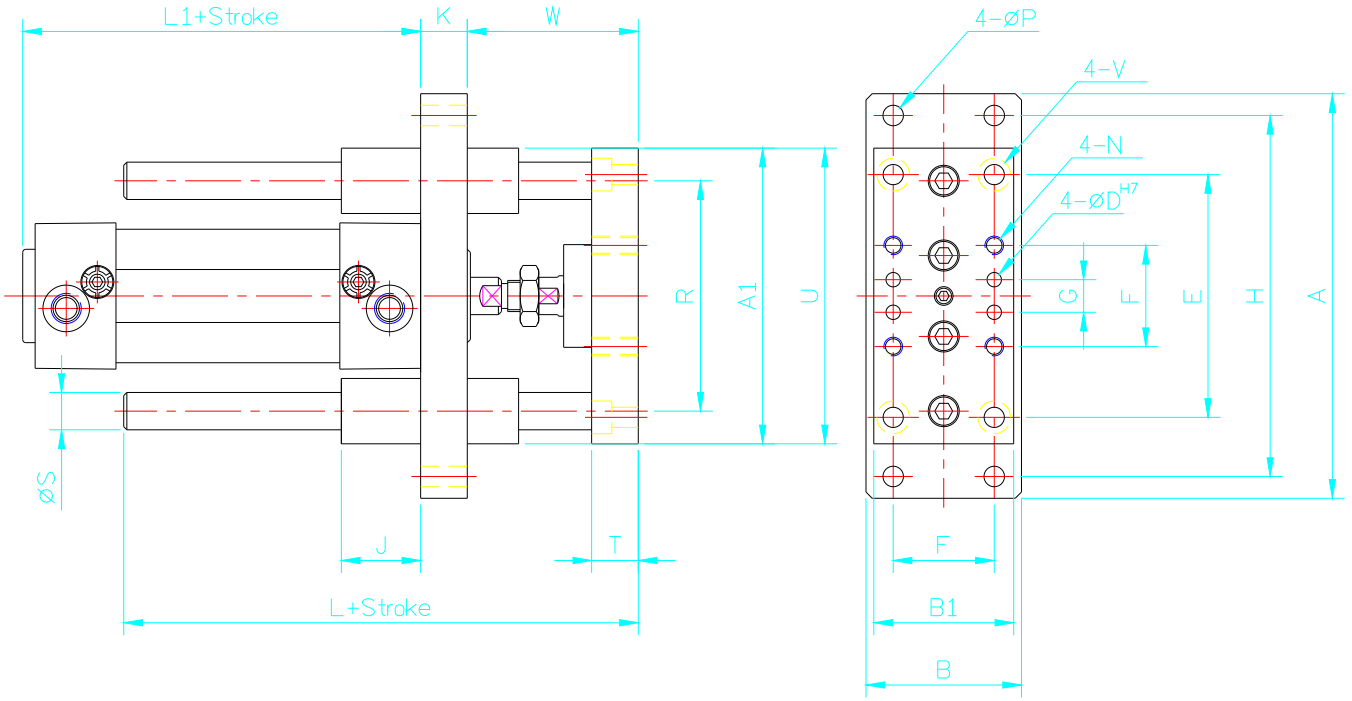
GSB 20~25





External Dimensions:

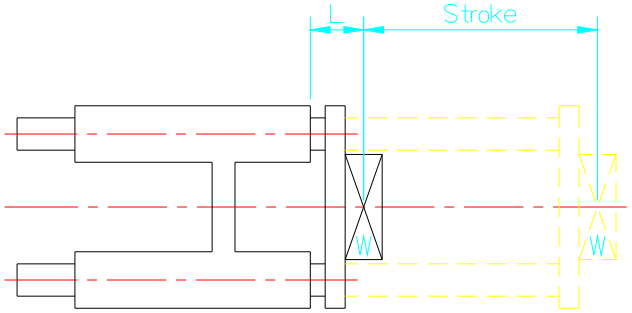
- **GSF** 32~63 (Flange type)

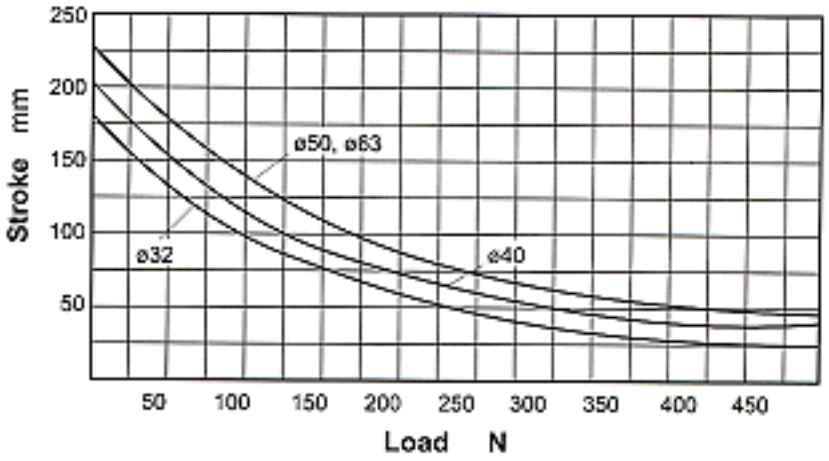


Bore	A	A1	B	B1	D	E	F	G	H	J	K	L	L1	N	P	R	S	T	U	V1	W
ø32	130	95	50	45	6	78	32.5	-	116	25.5	15	135.5	89	M6, dp12	ø6.6	74	12	15	95	ø6.5, C'bore ø10.5 dp 6.5	55
ø40	160	115	55	50	6	84	38	19	140	32	15	148	110	M6, dp12	ø9	87	16	15	115	ø6.5, C'bore ø10.5 dp 6.5	61
ø50	180	135	70	65	6	100	46.5	23	160	36	20	170	111	M8, dp14	ø9	104	20	20	136	ø9, C'bore ø14 dp 8.5	74
ø63	195	150	80	75	6	105	56.6	28	175	36	20	170	128	M8, dp16	ø9	119	20	20	151	ø9, C'bore ø14 dp 8.5	74

Maximum Allowable Loading

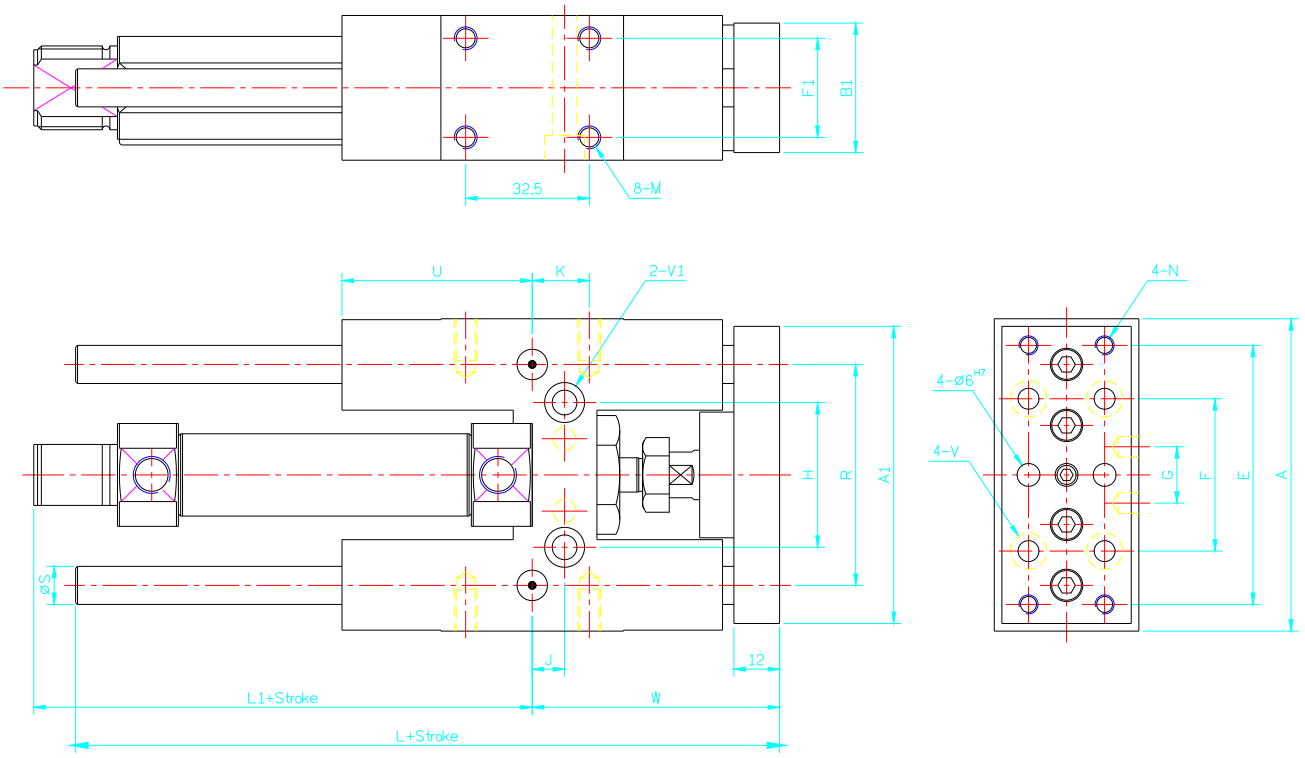
GSF 32~63





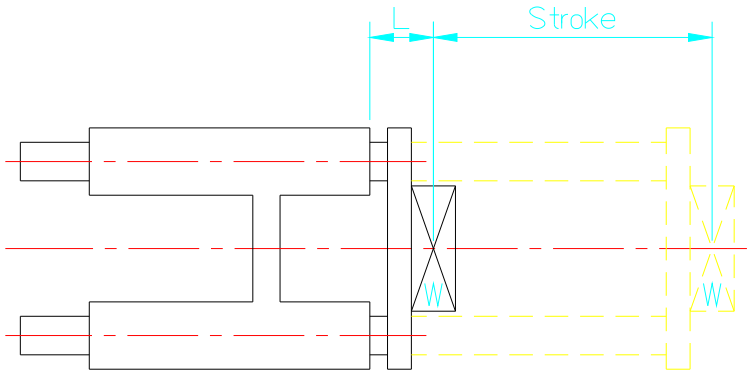
External Dimensions:

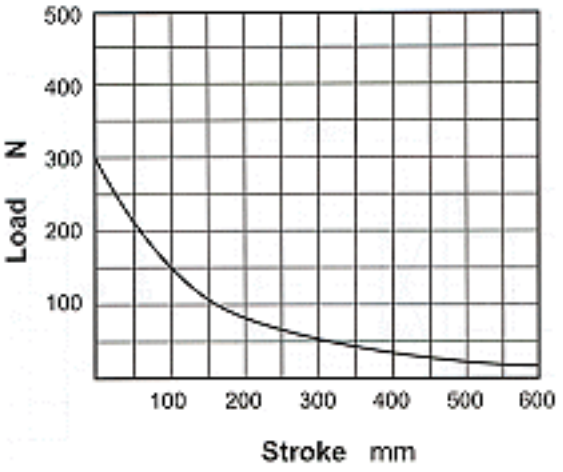
- GSL 20~25 (Linear ball bearing)
- GSM 20~25 (Plain bearing)



Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	U	V	V1	W
ø20	82	78	38	34	68	20	40	26	19	38	8.5	15	135	81	M6, dp11	M5	58	10	50	ø5.5, C'bore ø9.5 dp 5.4	ø6.5, C'bore ø10.5 dp 6.5	65
ø25	82	78	38	34	68	20	40	26	19	38	8.5	15	135	86	M6, dp11	M5	58	10	50	ø5.5, C'bore ø9.5 dp 5.4	ø6.5, C'bore ø10.5 dp 6.5	65

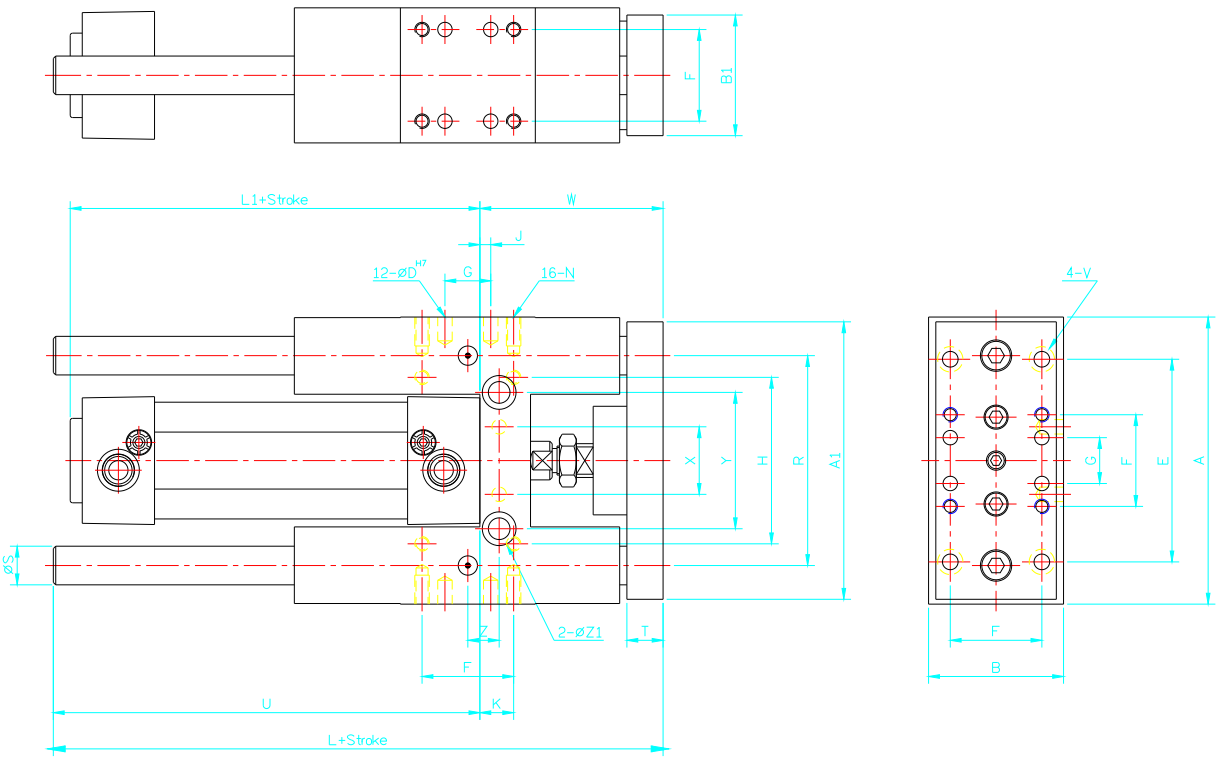
Maximum Allowable Loading





External Dimensions:

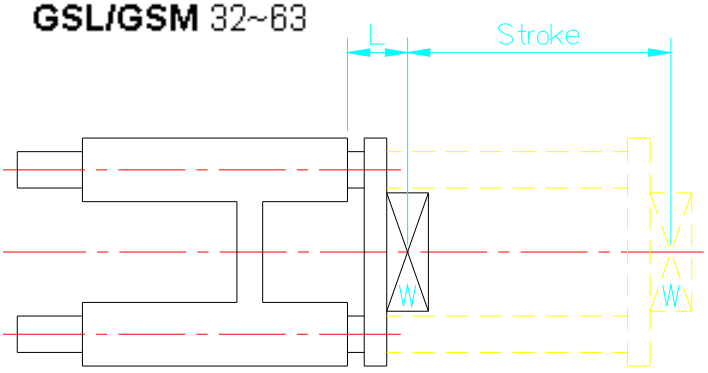
- GSL 32~63 (Linear ball bearing)
- GSM 32~63 (Plain bearing)

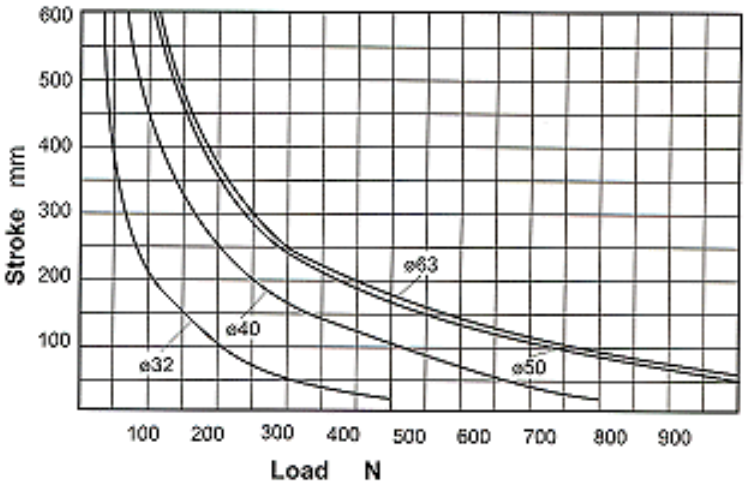


Bore	A	A1	B	B1	D	E	F	G	H	J	K	L	L1	N	R	S	T	U	V1	W	X	Y	Z	Z1
ø32	99	95	50	45	6	78	32.5	-	61	5.7	14	179	98	M6, dp12	74	12	15	67	ø6.5, C'bore ø10.5 dp 6.5	72	23	46.5	8	ø9C'bore ø14 dp 5
ø40	119	115	56	50	6	84	38	19	69	4.5	14	193	110	M6, dp12	87	16	15	77	ø6.5, C'bore ø10.5 dp 6.5	76	28	56.5	8	ø9C'bore ø14 dp 5
ø50	141	135	70	65	6	100	46.5	23	85	7.5	19	215	111	M8, dp14	104	20	20	81	ø9, C'bore ø14 dp 8.5	94	-	-	-	-
ø63	156	150	80	75	6	105	56.5	28	100	5	19	230	126	M8, dp16	119	20	20	96	ø9, C'bore ø14 dp 8.5	94	-	-	-	-

Maximum Allowable Loading

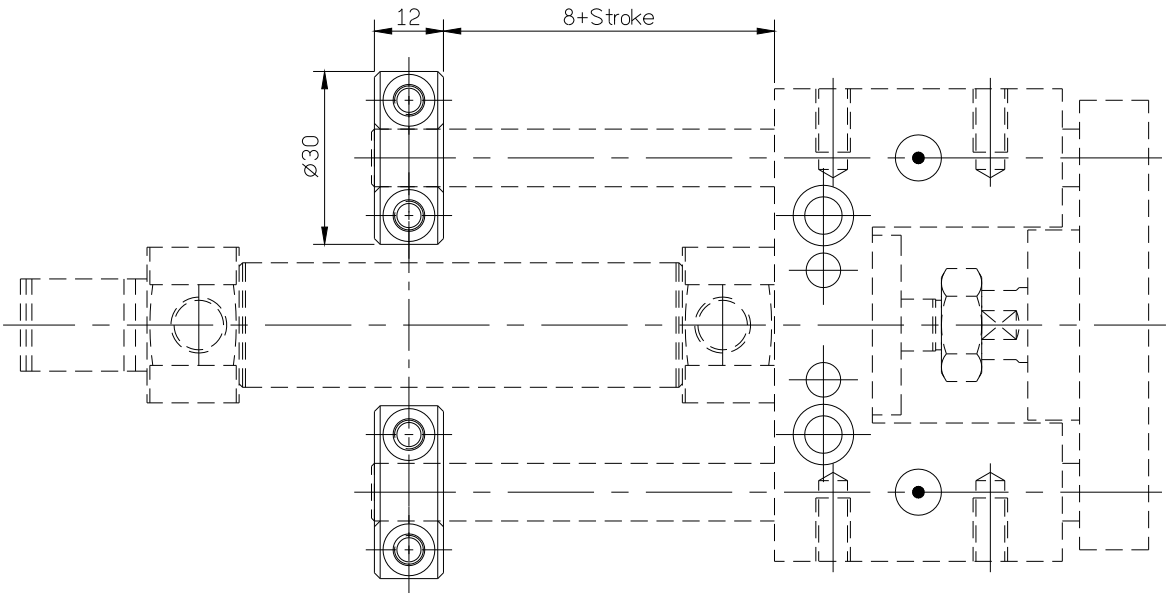
GSL/GSM 32~63



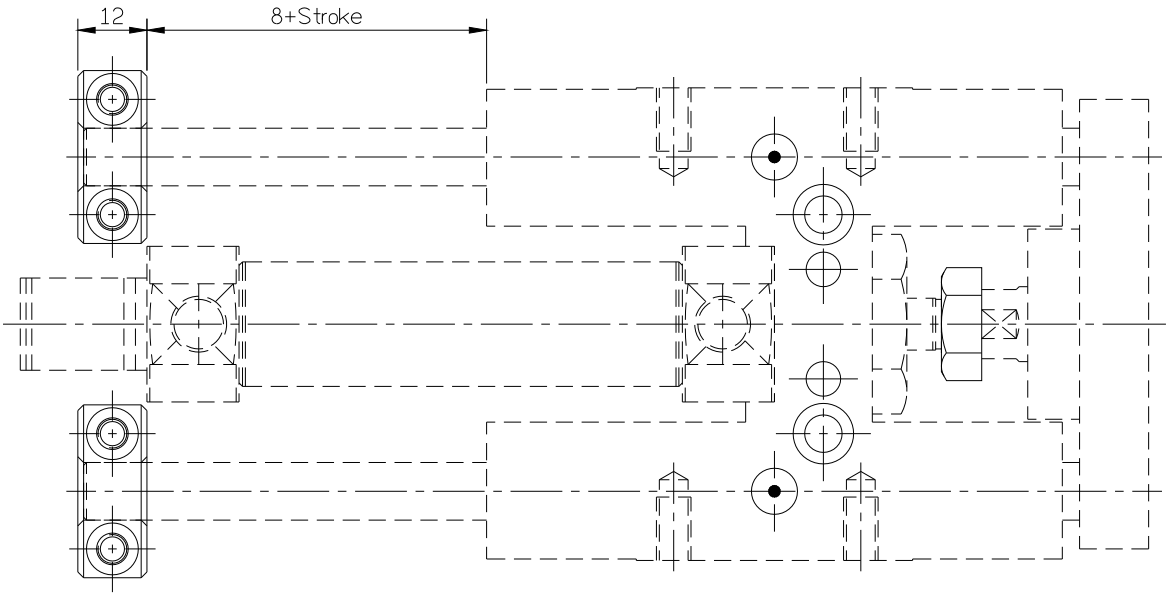


External Dimensions:

• **GSB** 20~25



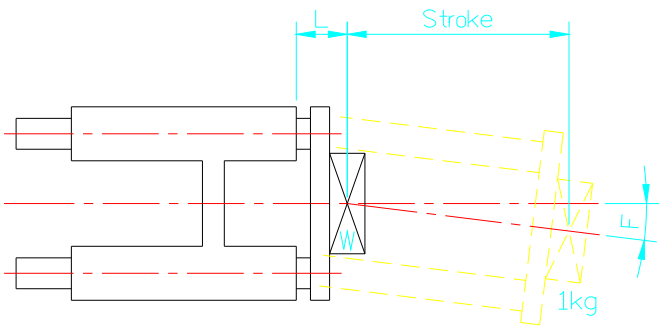
• **GSL/GSM** 20~25

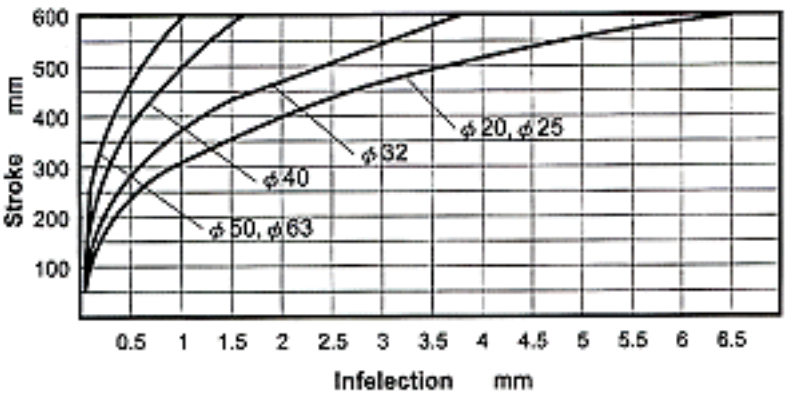


Maximum Allowale Loading and Infletion

GSL/GSM

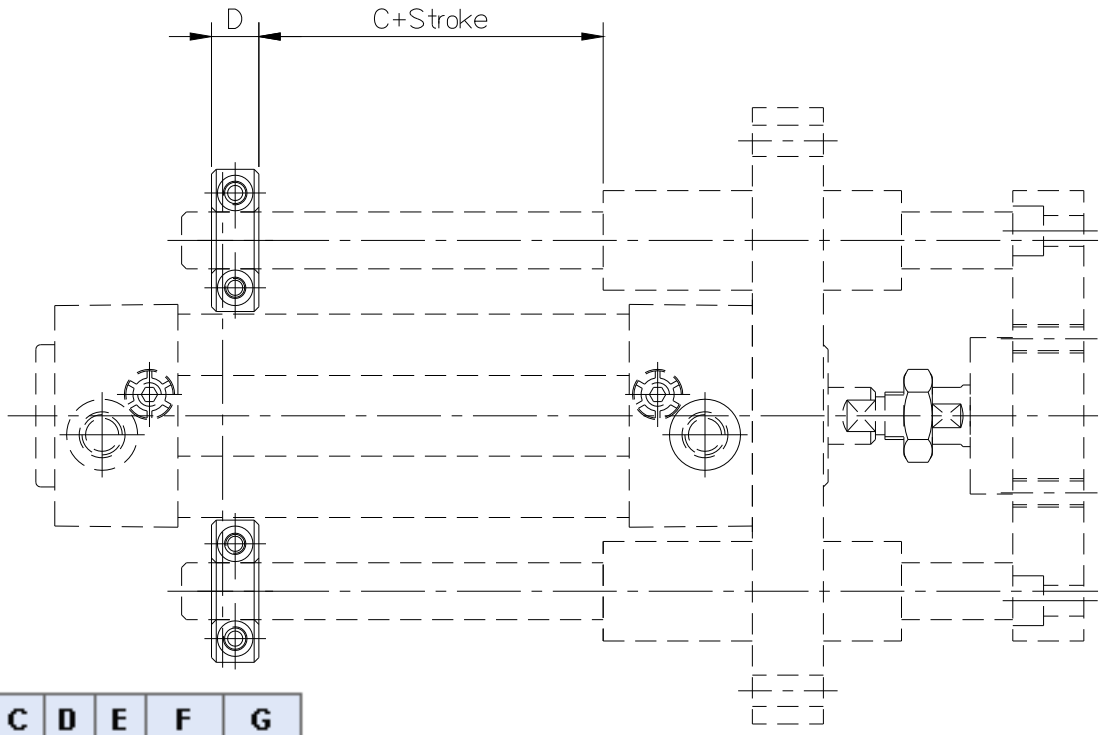
Inflection of guide stems is due to their weight summed to the load of 1kg. related to the stroke.





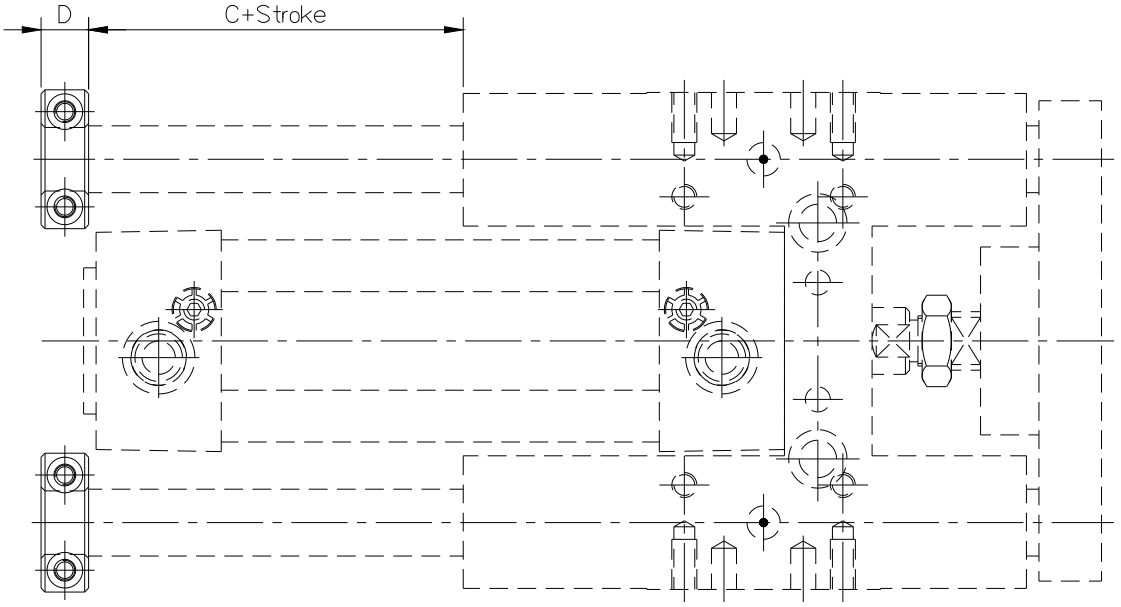
Rear flange coupling

• **GSF** 32~63



Bore	A	B	C	D	E	F	G
ø32	95	74	25	15	25	47	22
ø40	115	87	20	20	28	52.5	24.5
ø50	135	104	20	20	35	67.5	32.5
ø63	150	119	20	20	40	78	38

• **GSL/GSM** 32~63



Bore	A	B	C	D	E	F	G
ø32	95	74	25	15	25	47	22
ø40	115	87	20	20	28	52.5	24.5
ø50	135	104	20	20	35	67.5	32.5
ø63	150	119	20	20	40	78	38