

MCGA series Push type

TWIN-GUIDE CYLINDER



Stop / lift type



Applications



Technical data



Caution for safety
(Read before installing)



Features

- Long stroke type of the anti-turn accuracy, improved by integrating the guides and cylinder.
- Linear bearing type available for high accuracy in the high speed work.
- On the link bar at the top, many thread holes for mounting attachments are provided for easy mounting.
- Lift type of long stroke is available by replacing the link bar with table plate.
- Magnetic as standard.

Specification

Model	MCGA					
Model	<p>(for 23/63 type ø80 stroke over 100mm)</p>					
Acting type	Double acting					
Tube I.D. (mm)	20	32	40	50	63	80
Port size (Rc)	1/8	1/4 1/8	1/4 1/8	3/8 1/4	3/8	3/8
Medium	Air					
Operating pressure range	0.1~1 MPa					
Proof pressure	1.5 MPa					
Lubrication	Not required					
Cushion	With rubber cushion pad					
Ambient temperature	-5~+60°C (No freezing)					
Available speed range	50~500 mm/sec					
Sensor switch	RCB					

Order example

MCGA - 23 - 20 - 50 - G

MODEL

TUBE I.D.

STROKE

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread

PURPOSE / TYPE OF BEARING

Code	Purpose / Type of bearing
23	Push / Linear bearing
63	Push / Slide bush

: For MCGA-23 type, stroke 30~100mm.

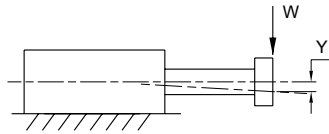
Table for standard stroke

Series variety (Bearing type)	Tube I.D.	Stroke (mm)										
		30	50	75	100	200	300	350	400	500	600	700
MCGA-23 (Linear bearing)	ø20	■	■	■	■	■	■	■				
	ø32		■	■	■	■	■	■	■			
	ø40			■	■	■	■	■	■	■		
	ø50				■	■	■	■	■	■	■	
	ø63					■	■	■	■	■	■	■
	ø80						■	■	■	■	■	■
MCGA-63 (Slide bush)	ø20					■	■	■	■			
	ø32					■	■	■	■	■		
	ø40					■	■	■	■	■	■	
	ø50					■	■	■	■	■	■	
	ø63					■	■	■	■	■	■	
	ø80					■	■	■	■	■	■	

- Please contact us if the stroke is out of specification.
- Tube I.D. ø20~ø63 the max stroke is 350mm.

Capacity graph

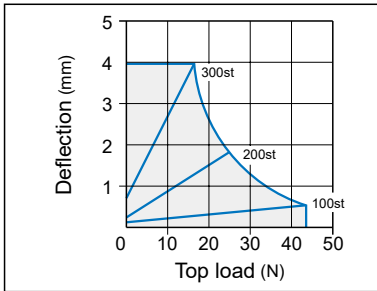
Capacity for the use as a pusher



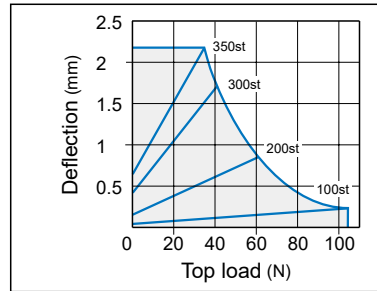
MCGA-23 / MCGA-63, deflection and allowable top load.

- In the actual operation, load at the top should be below the allowable top load.
- Y—Deflection
- W—Allowable top load

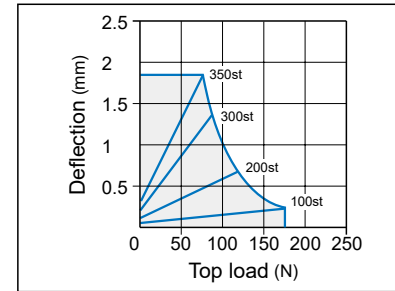
MCGA-23... $\varnothing 20$



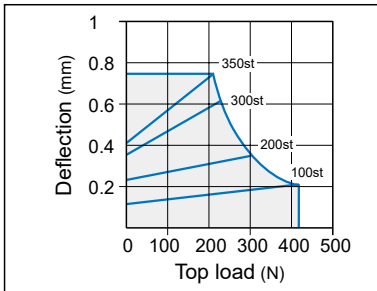
MCGA-23... $\varnothing 32$



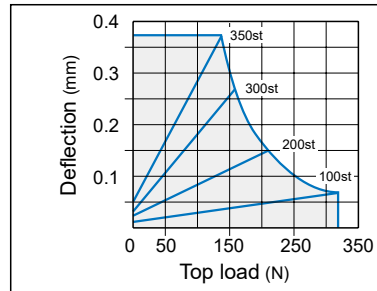
MCGA-23... $\varnothing 40$



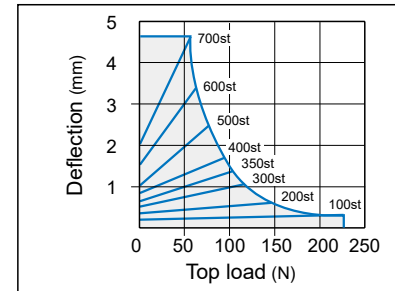
MCGA-23... $\varnothing 50$



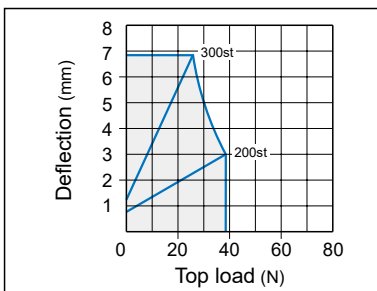
MCGA-23... $\varnothing 63$



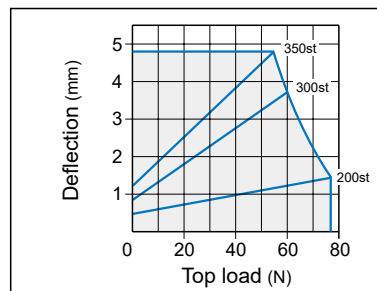
MCGA-23... $\varnothing 80$



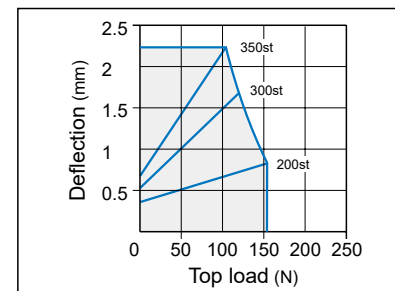
MCGA-63... $\varnothing 20$



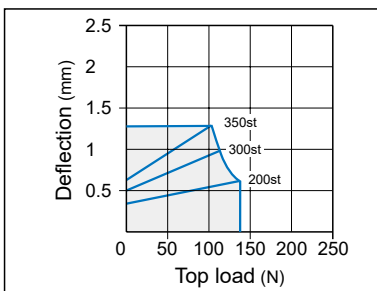
MCGA-63... $\varnothing 32$



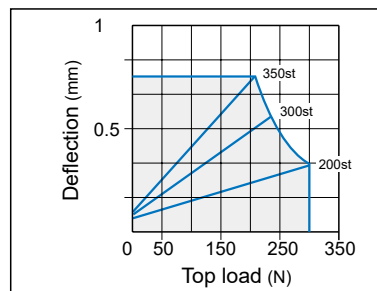
MCGA-63... $\varnothing 40$



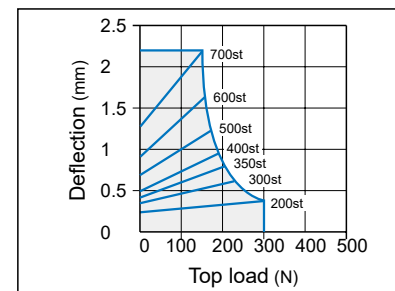
MCGA-63... $\varnothing 50$



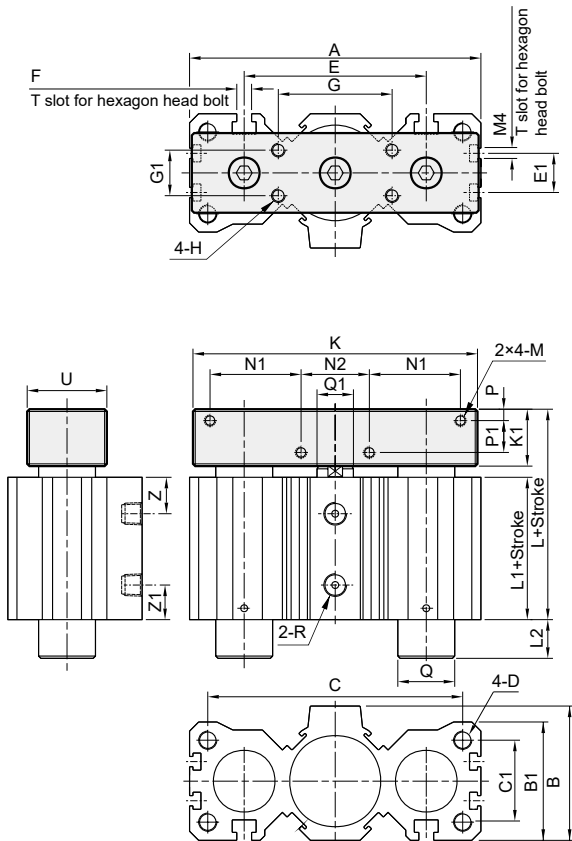
MCGA-63... $\varnothing 63$



MCGA-63... $\varnothing 80$

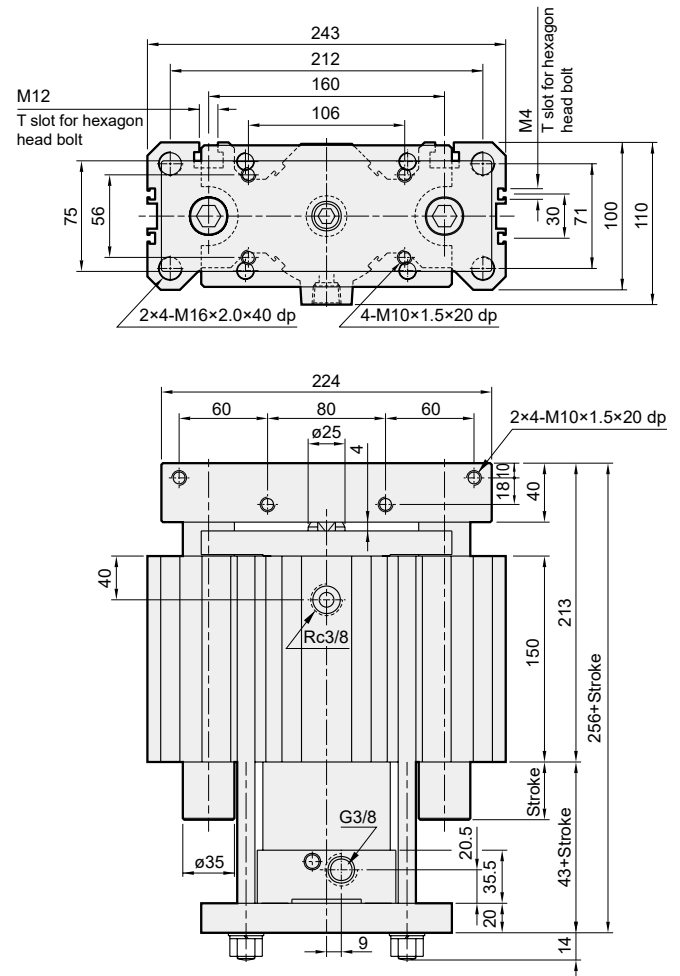


MCGA-23 / MCGA-63



MCGA-23 / MCGA-63

For tube I.D. $\varnothing 80$, stroke 101~700mm



MCGA-23 / MCGA-63

Code Tube I.D.	A	B	B1	C	C1	D	E	E1	F	G	G1	H	K	K1	L	L1	L2
20	75	34	32	63	20	M5x0.8x15 dp	45	—	M4	32	16	M5x0.8x10 dp	75	15	54	36	18
32	106	51.5	45	90	30	M8x1.25x20 dp	63	—	M6	40	18	M6x1.0x12 dp	100	20	66.5	41.5	29.5
40	128	59	52	112	36	M8x1.25x20 dp	80	—	M6	50	20	M6x1.0x12 dp	125	25	81	51	30
50	150	69	62	132	45	M10x1.5x25 dp	100	20	M8	63	25	M8x1.25x16 dp	140	30	87	52	39
63	180	87	78	156	53	M12x1.75x30 dp	118	25	M10	80	40	M10x1.5x20 dp	175	35	100	60	68
80	243	110	100	212	71	M16x2.0x40 dp	160	30	M12	106	56	M10x1.5x20 dp	224	40	110.5	62.5	*

Code Tube I.D.	M	N1	N2	P	P1	Q	Q1	R	U	Z	Z1
20	M4x0.7x8 dp	22.5	20	4	6	$\varnothing 8$	$\varnothing 10$	Rc1/8	25	11	10
32	M5x0.8x10 dp	32	25	5	9	$\varnothing 13(\varnothing 12)$	$\varnothing 16$	Rc1/4 [1/8]	30	12	12
40	M5x0.8x10 dp	40	30	5	14	$\varnothing 16$	$\varnothing 16$	Rc1/4 [1/8]	35	16	16.5
50	M6x1.0x12 dp	37.5	50	6	16	$\varnothing 20$	$\varnothing 20$	Rc3/8 [1/4]	40	16	17.5
63	M8x1.25x16 dp	47.5	60	9	16	$\varnothing 25$	$\varnothing 20$	Rc3/8	60	17.5	21
80	M10x1.5x20 dp	60	80	10	18	$\varnothing 25$	$\varnothing 25$	Rc3/8	75	22	19.5

* With stroke 30~75mm L2=17.5, stroke 100mm L2=87.5

□: For MCGA-23 type, stroke 30~100mm, (): For MCGA-63 type.