

MCGA series Push type

TWIN-GUIDE CYLINDER



Stop / lift type



Applications



Technical data



Caution for safety
(Read before installing)



Order example

MCGA - 23 - 20 - 50 - G

MODEL

TUBE I.D.

STROKE

PURPOSE / TYPE OF BEARING

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

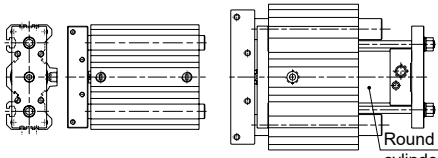
PORT THREAD

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

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	 (for 23/63 type ø80 stroke over 100mm)					
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 					
	RCA + (PH-2 band)  for ø80 round cylinder, stroke > 100mm					

 : 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.

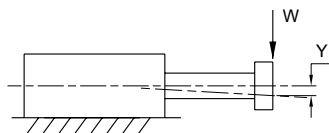
MCGA-23/63 Push type $\varnothing 20 \sim \varnothing 80$

TWIN-GUIDE CYLINDER



Capacity graph

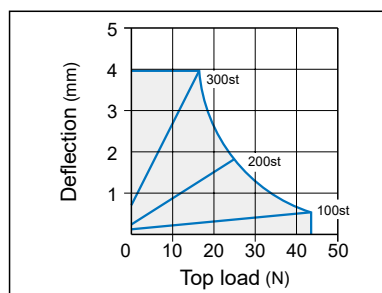
Capacity for the use as a pusher



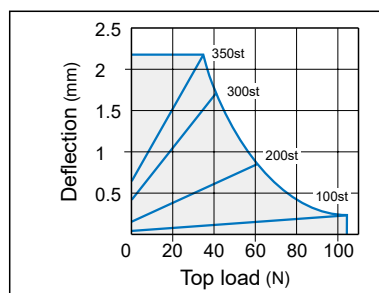
MCGA-23 / MCGA-63, deflection and allowable top load.

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

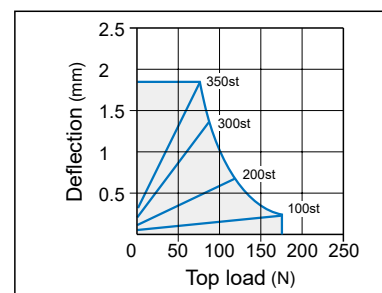
MCGA-23... $\varnothing 20$



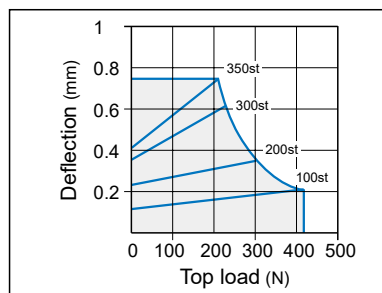
MCGA-23... $\varnothing 32$



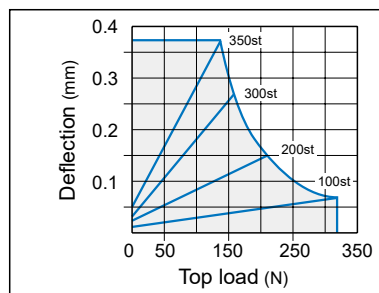
MCGA-23... $\varnothing 40$



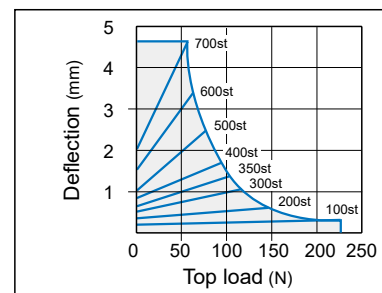
MCGA-23... $\varnothing 50$



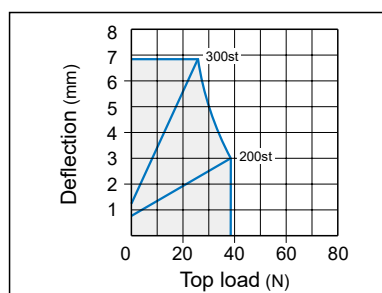
MCGA-23... $\varnothing 63$



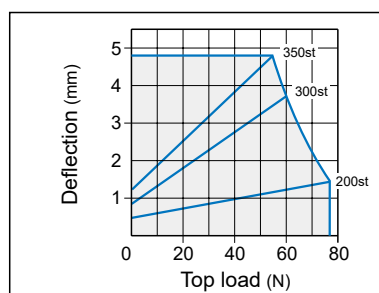
MCGA-23... $\varnothing 80$



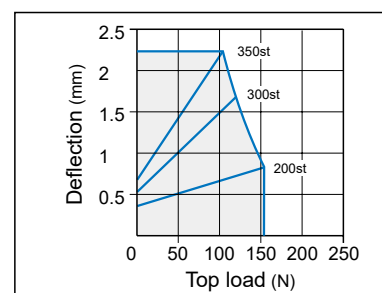
MCGA-63... $\varnothing 20$



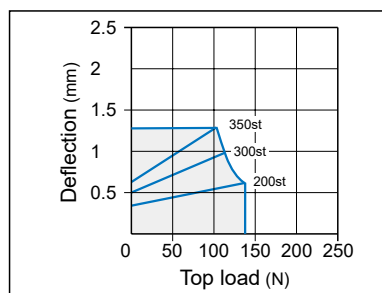
MCGA-63... $\varnothing 32$



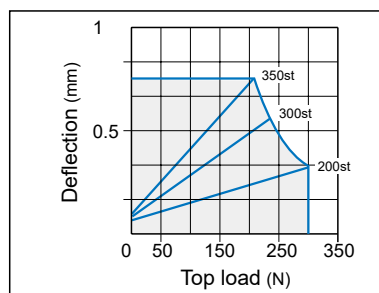
MCGA-63... $\varnothing 40$



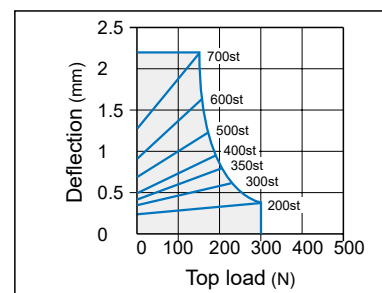
MCGA-63... $\varnothing 50$



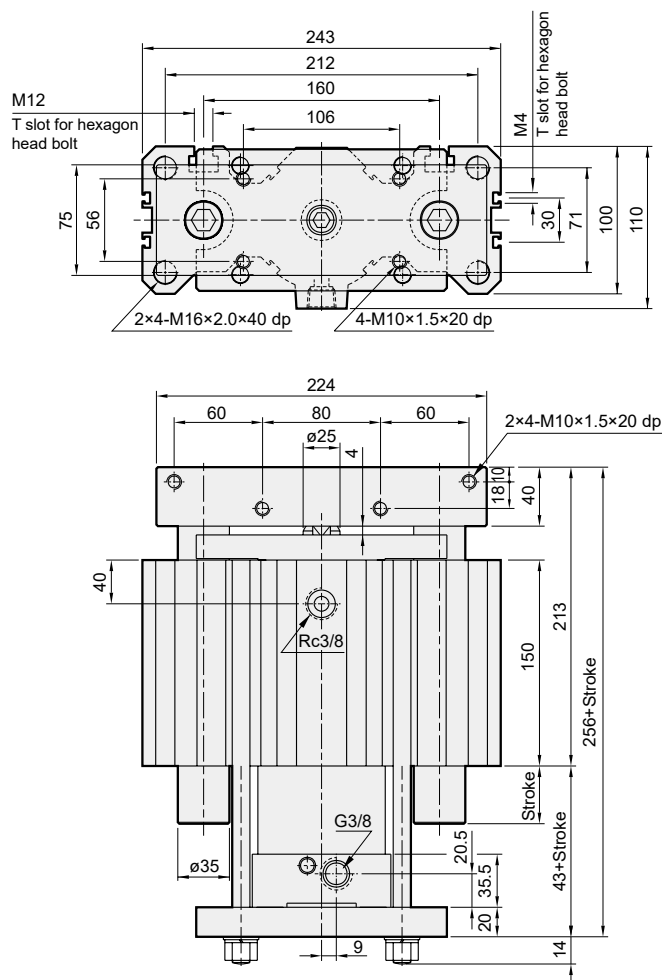
MCGA-63... $\varnothing 63$



MCGA-63... $\varnothing 80$



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



Code Tube I.D.	M	N1	N2	P	P1	Q	Q1	R	U	Z	Z1
20	M4×0.7×8 dp	22.5	20	4	6	ø8	ø10	Rc1/8	25	11	10
32	M5×0.8×10 dp	32	25	5	9	ø13(ø12)	ø16	Rc1/4 1/8	30	12	12
40	M5×0.8×10 dp	40	30	5	14	ø16	ø16	Rc1/4 1/8	35	16	16.5
50	M6×1.0×12 dp	37.5	50	6	16	ø20	ø20	Rc3/8 1/4	40	16	17.5
63	M8×1.25×16 dp	47.5	60	9	16	ø25	ø20	Rc3/8	60	17.5	21
80	M10×1.5×20 dp	60	80	10	18	ø35	ø25	Rc3/8	75	22	19.5

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