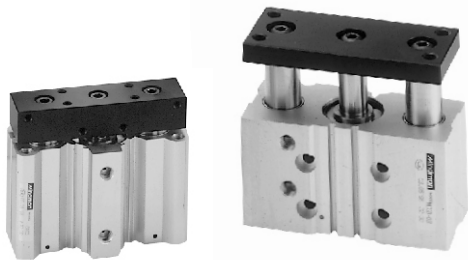


MCG* series Stop / Lift / Push

TWIN-GUIDE CYLINDER

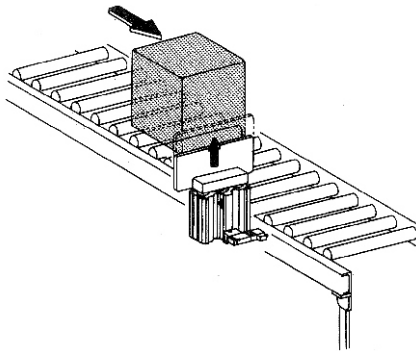


Several uses

- Stopper cylinder
- Lift cylinder
- Pusher cylinder

S-function

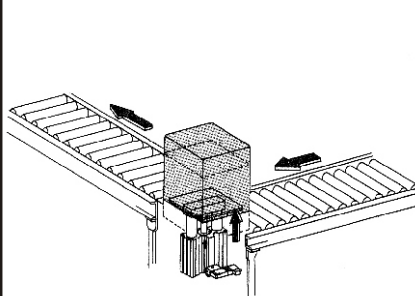
Stopper cylinder



Tough type of stopping a large-load work carrier at a fixed point, and for the straggle of a number of work carriers, etc.

L-function

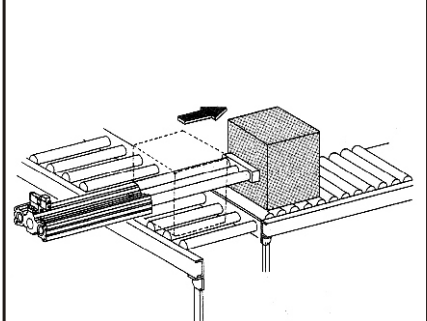
Lift cylinder



Special design which stands the large one-sided load. Lifts the work carrier at a fixed point not changing the posture.

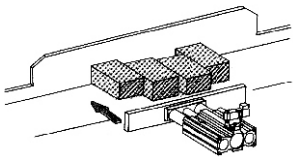
P-function

Pusher cylinder



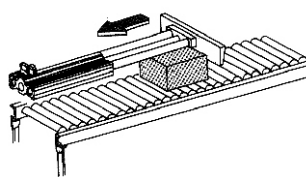
Long strokes available, the highly precise pushing work transfers and places a work carrier and changes the direction.

Multi purpose



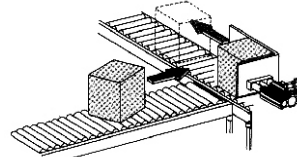
Arranges in line

Arranges the work carriers in line which have the same side face and which have been carried on the free flow line.



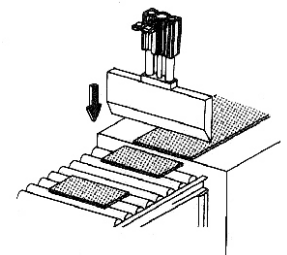
Draws in

Draws in the work carrier for the length of the stroke and slide it on the conveyor line.



Arranges the posture

Arranges the posture of a work carrier and push it out.



Cuts sheets

Can be used as a power source of sheets shearing machine.

MCGA series Push type

TWIN-GUIDE CYLINDER



Features:

- Long stroke type of the anti-turn Accuracy, improved by integrating the Guides and Cylinder.
- Linear Bush 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.

Specification:

Model	MCGA					
Model	<p>(for $\phi 80$ stroke over 100 mm)</p>					
Acting type	Double acting					
Tube I.D.(mm)	20	32	40	50	63	80
Port size Rc(PT)	1/8	1/4 [1/8]	1/4 [1/8]	3/8 [1/4]	3/8	3/8
Medium	Air					
Operating pressure range	1~9.9 kgf/cm ²					
Proof pressure	15 kgf/cm ²					
Ambient temperature	-5~+60°C (No freezing)					
Cushion	With rubber cushion pad					
Lubrication	Not required					
Sensor switch	RCB					

Order example:

MCGA — 23 — 20 — 50 — BSP

MODEL

TUBE I.D.

STROKE

PURPOSE / TYPE OF BEARING

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

PORT THREAD
Blank: PT thread
BSP: BSP thread
NPT: NPT thread

□ :For MCGA-23 stroke~ 30st to 100st

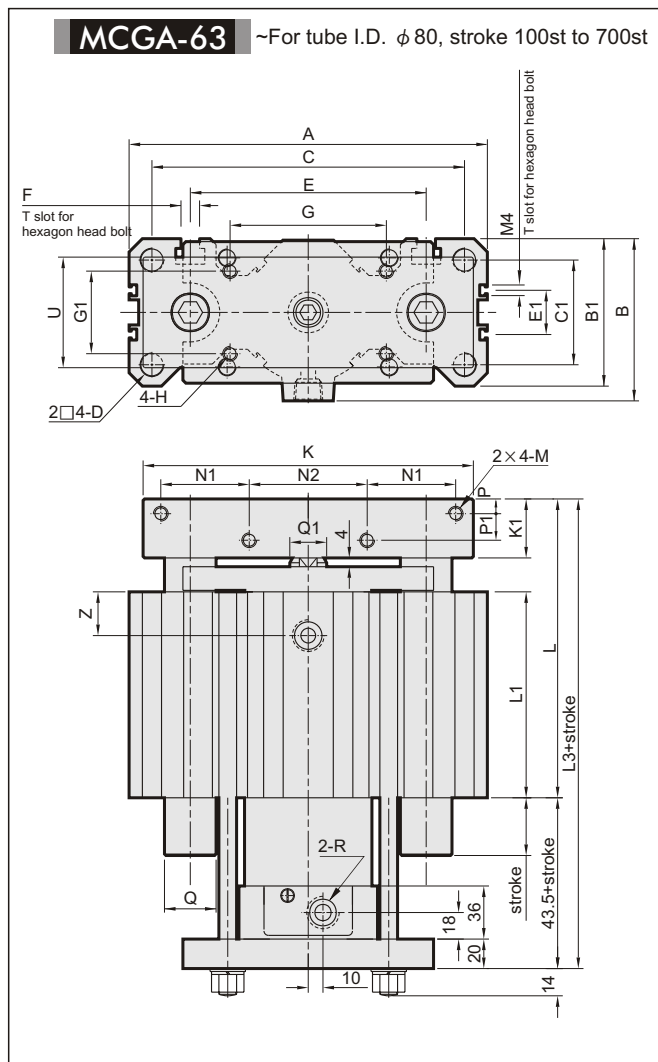
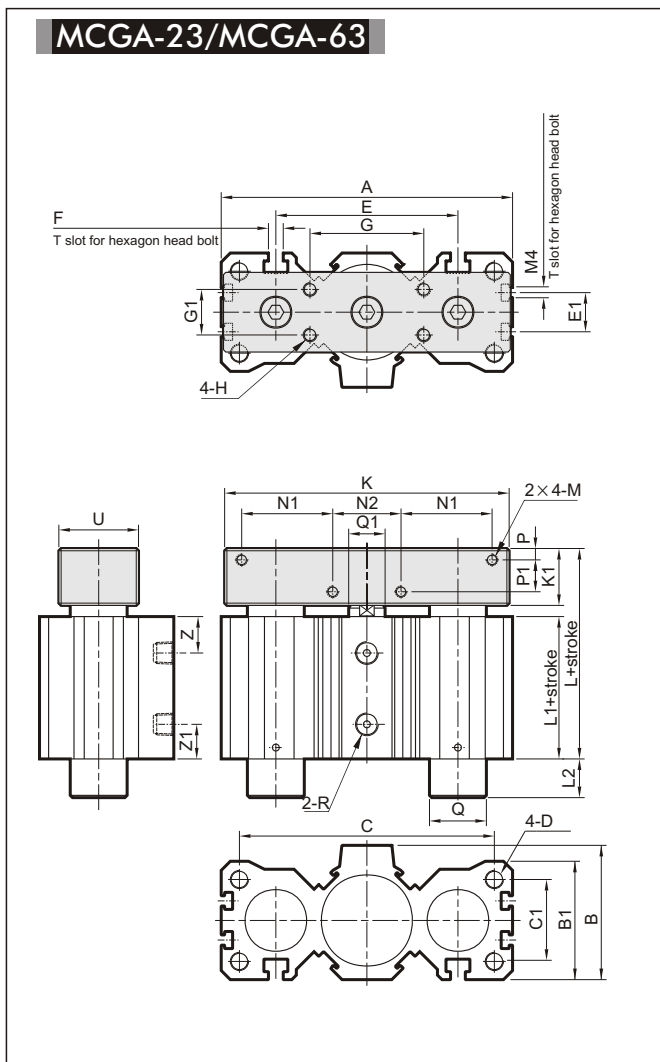
Table for standard stroke

Series variety	Bearing type	Tube I.D.	Stroke (mm)												
			30	50	75	100	200	300	400	500	600	700			
MCGA 23	Linear bush bearing	$\phi 20$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 32$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 40$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 50$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 63$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 80$	□	□	□	□	□	□	□	□	□	□	□	□	□
MCGA 63	Slide bearing	$\phi 20$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 32$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 40$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 50$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 63$	□	□	□	□	□	□	□	□	□	□	□	□	□
		$\phi 80$	□	□	□	□	□	□	□	□	□	□	□	□	□

- Stroke out of specification is also available.
- Please consult us if stroke exceed 700mm.

MCGA Push type

TWIN-GUIDE CYLINDER



MCGA-23/MCGA-63 Tube I.D. ϕ 63, ϕ 80: only for MCGA-63 type

Code Tube I.D.	A	B	B1	C	C1	D	E	E1	F	G	G1	H	K	K1	L	L1	L2	M	N1	N2	P	P1	Q	Q1	R	U	Z	Z1
20	75	34	32	63	20	M5×0.8×15dp	45	-	M4	32	16	M5×0.8×10dp	75	15	54	36	18	M4×0.7×8dp	22.5	20	4	6	ϕ 8	ϕ 10	PT 1/8	25	11	10
32	106	51.5	45	90	30	M8×1.25×20dp	63	-	M6	40	18	M6×1.0×12dp	100	20	66.5	41.5	29.5	M5×0.8×10dp	32	25	5	9	ϕ 13(ϕ 12)	ϕ 16	PT 1/4 [1/8]	30	12	12
40	128	59	52	112	36	M8×1.25×20dp	80	-	M6	50	20	M6×1.0×12dp	125	25	81	51	30	M5×0.8×10dp	40	30	5	14	ϕ 16	ϕ 16	PT 1/4 [1/8]	35	16	16.5
50	150	69	62	132	45	M10×1.5×25dp	100	20	M8	63	25	M8×1.25×16dp	140	30	87	52	39	M6×1.0×12dp	37.5	50	6	16	ϕ 20	ϕ 20	PT 3/8 [1/4]	40	16	17.5
63	180	87	78	156	53	M12×1.75×30dp	118	25	M10	80	40	M10×1.5×20dp	175	35	100	60	66	M8×1.25×16dp	47.5	60	9	16	ϕ 25	ϕ 20	PT 3/8	60	17.5	21
80	243	110	100	212	71	M16×2.0×40dp	160	30	M12	106	56	M10×1.5×20dp	224	40	110.5	62.5	103	M10×1.5×20dp	60	80	10	18	ϕ 35	ϕ 25	PT 3/8	75	22	19.5

□ :For MCGA-23 stroke 30st to 100st
() :For MCGA-63 type

MCGA-63 ~Tube I.D. ϕ 80, stroke 100st to 700st

Code Tube I.D.	A	B	B1	C	C1	D	E	E1	F	G	G1	H	K	K1	L	L1	L3	M	N1	N2	P	P1	Q	Q1	R	U	Z	Z1
80	243	110	100	212	71	M16×2.0×40dp	160	30	M12	106	56	M10×1.5×20dp	224	40	213	150	256.5	M10×1.5×20dp	60	80	10	18	ϕ 35	ϕ 25	3/8	75	40	

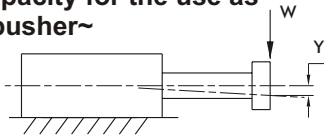
MCGA-23 / 63 Push type

TWIN-GUIDE CYLINDER



Capacity graph

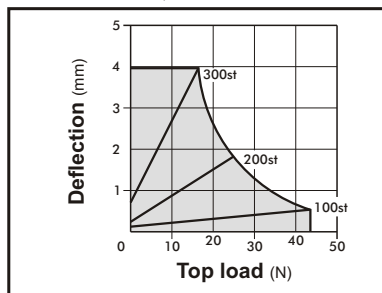
Capacity for the use as a pusher~



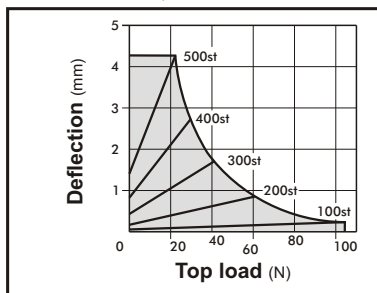
MCGA-23 / MCGA-63, deflection and allowable top load.

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

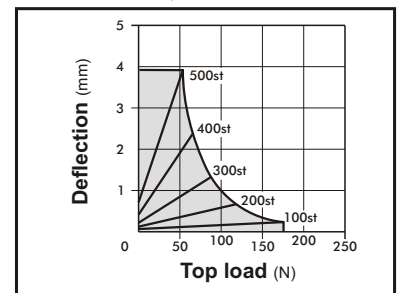
MCGA-23... φ 20



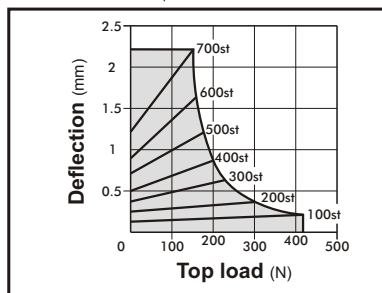
MCGA-23... φ 32



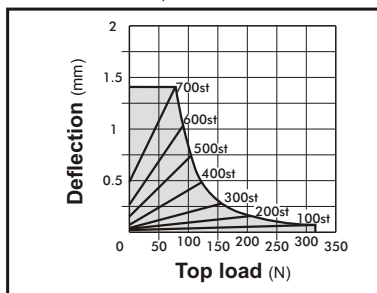
MCGA-23... φ 40



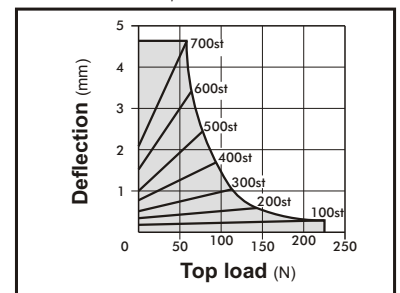
MCGA-23... φ 50



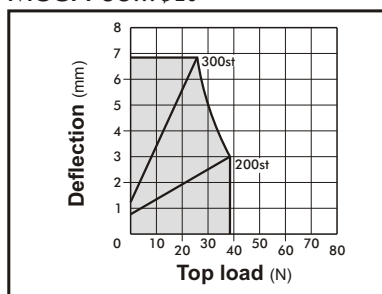
MCGA-23... φ 63



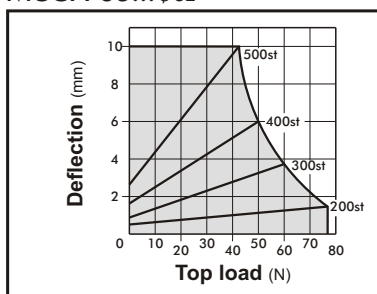
MCGA-23... φ 80



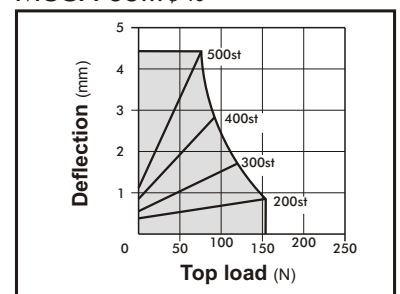
MCGA-63... φ 20



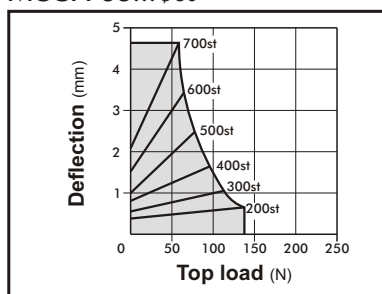
MCGA-63... φ 32



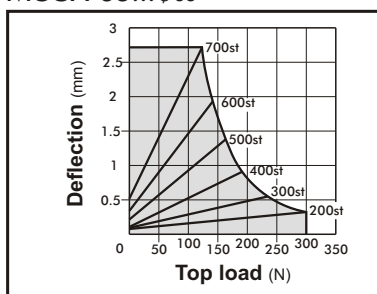
MCGA-63... φ 40



MCGA-63... φ 50



MCGA-63... φ 63



MCGA-63... φ 80

