MCG* series Stop / Lift / Push

TWIN-GUIDE CYLINDER







Several uses

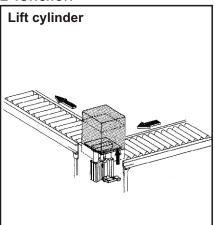
- Stopper cylinder
- Lift cylinder
- Pusher cylinder

S-function

Stopper cylinder

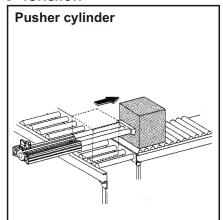
Tough type of stopping a large-load work carrier at a fixed point, and for the straggle of a number of work carriers, etc.

L-function



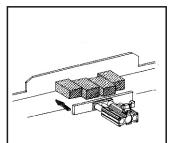
Special design which stands the large one-sided load. Lifts the work carrier at a fixed point not changing the posture.

P-function

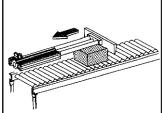


Long strokes available, the highly precise pushing work transfers and places a work carrier and changes the direction.

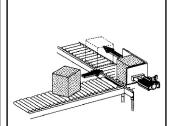
Multi purpose



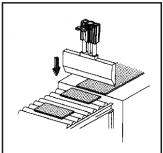
Arranges in line
Arranges the work carriers in
line which have the same side
face and which have been
carried on the free flow line.



Draws inDraws 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.

MCG3 series Lift / Turntable

TRIPLE-GUIDE CYLINDER





Features:

- Three guide rods equally spaced in the aluminum body provide more space saving and eliminate the directionality of the unbalanced load.
- Conveyor line's productivity increases.
- By connecting with the Rotary actuator, can be used as a Automatic turn lifter.

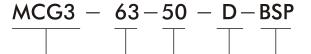
Specification:

Model	МС	G3			
Model (Stop type view)	(Lift type)	(Turntable type)			
Acting type	Double	acting			
Tube I.D.(mm)	63	80			
Port size Rc(PT)	1/4	3/8			
Standard stroke	30, 50, 75, 100 mm				
Medium	Air				
Operating pressure range	1~9.9 kgf/cm²				
Proof pressure	15 kg	Jf/cm ²			
Ambient temperature	-5~+60°C (No freezing)				
Lubrication	Not required				
Cushion With rubber cushion pad					
Sensor switch	RCE,RCE1 RCB,RCE,RC				

PORT THREAD

Blank: PT thread BSP: BSP thread NPT: NPT thread

Order example:



STROKE*

MODEL

TUBE I.D.	
63	
80: only for life type	

Code	Purpose / Type of bearing					
D	Circle table lift / Slide bearing					
В	Circle table lift / Linear bush bearing					
D90	Turntable / Angle 90° / Slide bearing					
B90	Turntable / Angle 90° / Linear bush bearing					
D180	Turntable / Angle 180° / Slide bearing					
B180	Turntable / Angle 180° / Linear bush bearing					
QD	Quad table lift / Slide bearing					
QB	Quad table lift / Linear bush bearing					

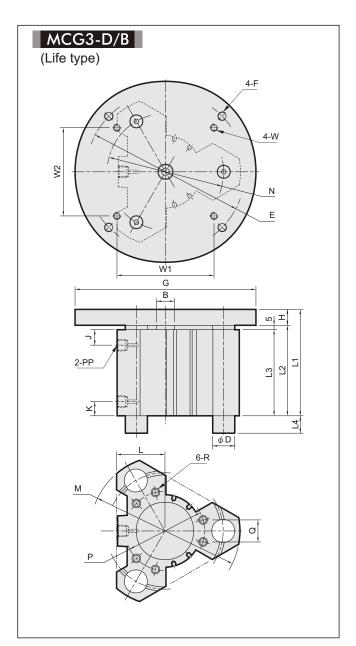
APPLICATION / TYPE OF BEARING

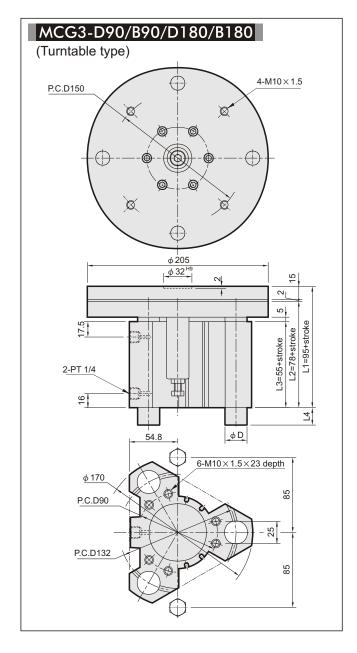
^{*}Stroke out of specification is also available.

MCG3 Lift / Turntable

TRIPLE-GUIDE CYLINDER







MCG3-D/B

Code Tube I.D.	В	E	F	G	Н	J	K	L	M	N	Р	PP	Q	R	W	W1	W2
63	φ20	P.C.D180	M10×1.5	φ 205	18	17.5	16	54.8	φ 170	P.C.D132	P.C.D90	PT1/4	25	$M10\!\times\!1.5\!\times\!23 depth$	M8×1.25	110	100
80	φ25	P.C.D190	M10×1.5	φ 220	18	17.5	16	61.2	φ 190	P.C.D150	P.C.D106	PT3/8	32	$M10\!\times\!1.5\!\times\!23 depth$	M8×1.25	110	100

		L	1		L2			L3				
Tube I.D.					5	Stroke	(mm)				
1.0.	30	50	75	100	30	50	75	100	30	50	75	100
63	108	128	153	178	90	110	135	160	85	105	130	155
80	118	138	163	188	100	120	145	170	95	115	140	165

Tube	L	4	φD			
I.D.	MCG3-D	MCG3-B	MCG3-D	MCG3-B		
63	0	26	φ 25	φ16		
80	0	25	φ28	φ20		

MCG3-D90/B90/D180/B180

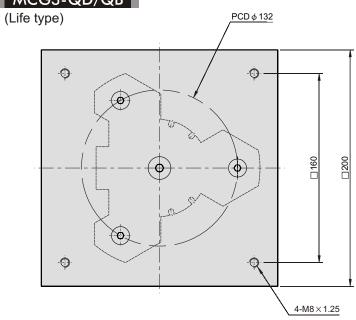
Ī	T 1.		L1			L2			L3	
	Tube I.D.					oke (n	,			
	1.0.	30	50	100	30	50	100	30	50	100
	63	125	145	195	108	128	178	85	105	155

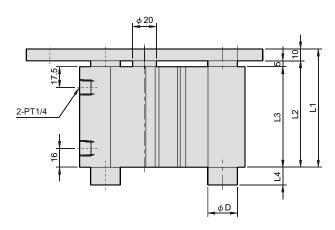
Tube	L	.4	φ	D
I.D.	D90 / D180	B90 / B180	D90 / D180	B90 / B180
63	0	26	φ 25	φ16

Mindman

TRIPLE-GUIDE CYLINDER

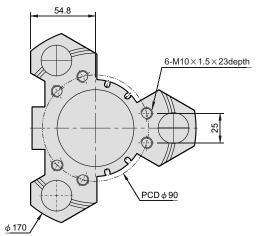
MCG3-QD/QB





Tube I.D.	Stroke (mm)	L1	L2	L3
	30	100	90	85
63	50	120	110	105
03	75	145	135	130
	100	170	160	155

Tube	L	_4	φD			
I.D.	MCG3-QD	MCG3-QB	MCG3-QD	MCG3-QB		
63	0	26	φ 25	φ 16		



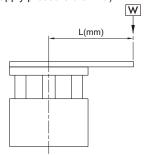
MCG3 Lift / Turntable



TRIPLE-GUIDE CYLINDER

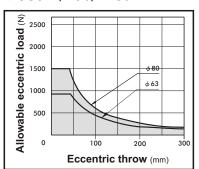
Allowable eccentric load :

(at supply pressure 0.5MPa)

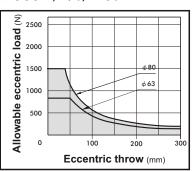


Shows the dynamic allowable value at L(mm) eccentricity from the center of the guide rod.

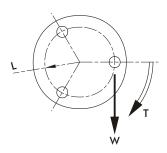
MCG3-D/D90/D180



MCG3-B/B90/B180



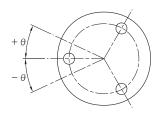
Allowable rotating torque:



Shows the dynamic allowable value, when actuating the cylinder with a rotating torque T at the guide rods' top.

				(N.m)		
Tube I.D.	Pooring type	Stroke (mm)				
Tube I.D.	Bearing type	30	50	100		
φ 63	Slide bearing	13.2	12.7	7.6		
φ 63	Linear bush bearing	13.5	12.7	8.8		

Anti-roll accuracy:



The values are the deflection angle against the piston rod.

Tube I.D.	Bearing type	Anti-roll accuracy
Tube I.D.	bearing type	θ
φ 63	Slide bearing	±0.07°
φυσ	Linear bush bearing	±0.03°