



① Clean Series

Applicable in a clean room environment. Ideal for use in conveyor lines for semiconductor (LSI), liquid crystal (LCD), food processing, pharmaceutical, and electronic parts, etc.

How to Order

12 — MGPL **Bore size** — **Stroke** **Z**

Clean room specifications

12	Relief port type
13	Vacuum port type

Thread type

Nil	M5 x 0.8 Rc
N	NPT
TF	G

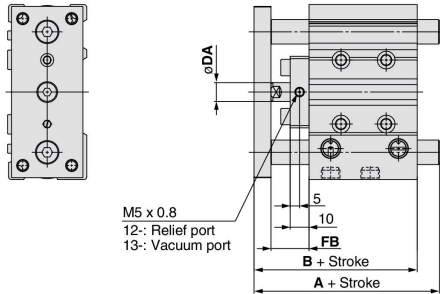
*: For bore sizes 12 and 16, M5 x 0.8 is only available.

Specifications

Applicable series	MGPL							
Bearing type	Ball bushing bearing							
Bore size [mm]	12	16	20	25	32	40	50	63
Stroke [mm]	10 to 250		20 to 400		25 to 400			

*: Specifications other than above are the same as standard, basic type.

Dimensions



*: For details, refer to "Pneumatic Clean Series" catalog (CAT. E02-23).

*: Other dimensions are the same as standard products. *: The dimensions in () are the same as standard type. [mm]

Bore size [mm]	A				B	DA	FB
	30 st or less	Over 30 st and up to 100 st	Over 100 st and up to 200 st	Over 200 st			
12	56	68	97.5	97.5	55	(6)	19
16	62	78	107.5	107.5	59	(8)	19
20	72	89	113	130.5	66	(10)	21
25	78.5	94.5	113.5	130.5	66.5	(10)	20

*: For bore size ø12 and ø16, only M5 x 0.8 port is available.

*: For bore size ø20 or more, choice of Rc, NPT, G port is available. (Refer to page 432.)

Bore size [mm]	A				B	DA	FB
	50 st or less	Over 50 st and up to 100 st	Over 100 st and up to 200 st	Over 200 st			
32	91.5	108.5	128.5	150.5	71.5	(14)	24
40	91.5	108.5	128.5	150.5	78	(14)	24
50	102.5	123.5	143.5	170.5	83	20	27
63	102.5	123.5	143.5	170.5	88	20	27

*: Choice of Rc, NPT, G port is available. (Refer to page 432.)

MGJ

JMGP

MGP

MGPW

MGQ

MGG

MGC

MGF

MGZ

MGT

D-□

-X□