ATEX Compliant

Compact Guide Cylinder

Series 55-MGP

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

CE Ex II 2G Ex h IIC T4/T4 Gb

How to Order

55 – MGP M 25 [ ] – 30 Z – X144

ATEX category 2

Bearing type

M	Slide bearing
L	Ball bushing
A	High precision ball bushing

Bore size

12	12 mm	**40**	40 mm
16	16 mm	**50**	50 mm
20	20 mm	**63**	63 mm
25	25 mm	**80**	80 mm
32	32 mm	**100**	100 mm

Port thread type

Nil	M5 x 0.8
	Rc
TN	NPT
TF	G

Cylinder stroke [mm]

Refer to the table below for standard strokes.

Made to Order

Nil	Standard type
X144	Symmetrical port position
X867	Side porting type (Plug location changed)
XB10	Intermediate stroke (Using exclusive body)
XB13	Low speed cylinder (5 to 50 mm/s)
XC6	Made of stainless steel
XC22	Fluororubber seal

Standard Strokes

Bore size [mm]	Standard stroke [mm]
12, 16	10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250
20, 25	20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400
32 to 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400

Manufacture of Intermediate Strokes

Description	Spacer installation type Spacers are installed in the standard stroke cylinder. • ø12 to ø32: Available in 1 mm stroke increments. • ø40 to ø100: Available in 5 mm stroke increments.		Exclusive body (-XB10) Dealing with the stroke by making an exclusive body. • All bore sizes are available in 1 mm increments.	
Model no.	Refer to How to Order for the standard model numbers.		Add "-XB10" to the end of standard model number. For details, refer to Made to Order.	
Applicable stroke [mm]	ø12, ø16	1 to 249	ø12, ø16	11 to 249
	ø20, ø25, ø32	1 to 399	ø20, ø25	21 to 399
	ø40 to ø100	5 to 395	ø32 to ø100	26 to 399
Example	Part no.: 55-MGPM20-39Z A spacer 1 mm in width is installed in the 55-MGPM20-40Z. C dimension is 77 mm.		Part no.: 55-MGPM20-39Z-XB10 Special body manufactured for 39 stroke. C dimension is 76 mm.	

All other specifications are the same as the standard products Series MGP.
Click here for details.

Refer to page 69 for applicable auto switches.

ATEX Compliant

Compact Guide Cylinder/with Air Cushion

Series 55-MGP

ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

CE Ex II 2G Ex h IIC T4/T4 Gb

How to Order

55 – MGP M 25 □ – 50 AZ – X867

ATEX category 2

Bearing type

M	Slide bearing
L	Ball bushing
A	High precision ball bushing

Bore size

16	16 mm	**50**	50 mm
20	20 mm	**63**	63 mm
25	25 mm	**80**	80 mm
32	32 mm	**100**	100 mm
40	40 mm		

Port thread type

Nil	M5 x 0.8
	Rc
TN	NPT
TF	G

Cylinder stroke [mm]

Refer to the table below for standard strokes.

Made to Order

Nil	Standard type
X867	Side porting type (Plug location changed)
XC19	Intermediate stroke (Spacer type)

Standard Strokes

Bore size [mm]	Standard stroke [mm]
16	25, 50, 75, 100, 125, 150, 175, 200, 250
20 to 63	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400
80, 100	50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400

Manufacture of Intermediate Strokes

Description	Intermediate strokes in 1 mm increments are available by replacing collars of a standard stroke cylinder. Minimum manufacturable stroke ø16 to ø63: 15 mm ø80, ø100: 20 mm Select a rubber bumper type, because the cushion effect is not obtainable for less than this stroke.	
Model no.	Add "-XC19" to the end of standard part number.	
Applicable stroke [mm]	ø16	15 to 249
	ø20 to ø63	15 to 399
	ø80, ø100	20 to 399
Example	Part no.: 55-MGPM20-35AZ-XC19 A collar 15 mm in width is installed in the 55-MGPM20-50AZ. C dimension is 112 mm.	

∗: Intermediate stroke (in 1 mm increments) based on an exclusive body will be available upon request for special.

All other specifications are the same as the standard products Series MGP.
Click here for details.

Refer to page 69 for applicable auto switches.