SMC PNEUMATIC COMPONENTS

SMC MGP-Z Guided Pneumatic Cylinders



Guided cylinders combine pneumatic motion with guide rods to manage side loads and resist rotation during pushing, lifting and stopping tasks. Selection depends on load, offset, orientation and stroke as well as bore.

Unit for enquiry: each | Product range

SMC product-family image. Exact size, connections and configuration are confirmed with your quotation.

PRODUCT DETAILS

Documented MGP-Z bores	12, 16, 20, 25 and 32 mm in this selection
Bearing options	Slide bearing, ball bushing and high-precision ball bushing
Installation	Top, side, bottom and T-slot side mounting options; verify drawings
Load selection	Select allowable load and moment from the exact bore, stroke and bearing arrangement

TYPES / CONFIGURATIONS

Slide bearing | Ball bushing | High-precision ball bushing

Give the load mass, centre-of-gravity offset, movement direction and speed. Bearing arrangement and stroke change the allowable load and moment; bore alone is insufficient to select a guided cylinder. Options describe an enquiry; not every combination is available. Confirm the complete selected reference and operating limits before ordering. This is a Beccentric product information and selection sheet. It is not a certified engineering drawing or a guarantee of stock. Confirm the exact product, compatibility and operating limits before ordering.

Specify your requirement

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The choices below help prepare an enquiry. Other sizes and identification assistance can be requested. Not every combination is available.

Cylinder bore (mm)	12 mm, 16 mm, 20 mm, 25 mm, 32 mm
Required stroke (mm)	Exact stroke and existing cylinder reference
Mounting and rod / guide dimensions	Mounting centres, rod thread, port size and available space
Load, speed and cushioning	Load and offset, orientation, speed and cushioning type
Sensors and accessories required	Complete switch reference, cable / connector and mounting kit
Medium, operating pressure and temperature	Normal / maximum pressure in bar, medium, temperature and air quality
Complete manufacturer reference / existing markings	Include every suffix if known; otherwise ask for identification help

INCLUDE WITH YOUR ENQUIRY

Send the complete reference, requested size and configuration, operating conditions, quantity, delivery location and required date. Add label / installation photographs and state whether an alternative may be proposed for approval.

Quantity: _____ Required date: _____

Company / RFQ reference: _____

Exact replacement only / alternative for approval: _____

CONTACT & DOCUMENTATION

View this product and choose specifications at beccentric.net

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WhatsApp Tino: +263 779 098 357
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Request a drawing, material certificate, food-contact declaration or safety data sheet when your application requires one. These documents relate to the exact product quoted.

Prepared by Beccentric (Pvt) Ltd. Compiled 13 November 2026. Contact Beccentric to confirm the exact configuration and supporting documentation.