

mini slide

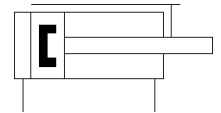
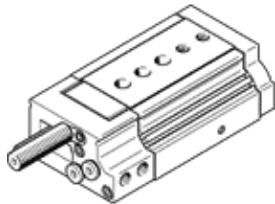
DGSL-N-20-30-P1A

Part number: 566324
Product to be discontinued

FESTO

For position sensing, with highly accurate, durable ball-cage guide and very high repetition accuracy, flexible damping on both sides with metallic end position (P1).

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 30 mm |
| Adjustable endposition range/front length | 50.5 mm |
| Adjustable endposition range/rear length | 49.5 mm |
| Piston diameter | 25 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | P1: Flexible cushioning rings/plates with stop at both ends |
| Assembly position | Any |
| Guide | Ball bearing cage guide |
| Design structure | Yoke Piston Piston rod Slide |
| Position detection | For proximity sensor |
| Operating pressure | 1 ... 8 bar |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ±0,01 mm |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| Ambient temperature | 0 ... 60 °C |
| Impact energy in end positions | 0.2 Nm |
| Cushioning length | 5 mm |
| Max. force F _y | 3,354 N |
| Max. force F _z | 3,354 N |
| Max. torque M _x | 60 Nm |
| Max. torque M _y | 30 Nm |
| Max. torque M _z | 30 Nm |
| Theoretical force at 6 bar, return stroke | 247 N |
| Theoretical force at 6 bar, advance stroke | 295 N |
| Moving mass | 750 g |
| Product weight | 1,900 g |
| alternative connections | See product drawing |
| Mounting type | with through hole |
| Pneumatic connection | 1/8 NPT |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |