



Compact Sliding Table

DGST-20-50-PA

URL:<https://www.sxplc.com/compact-sliding-table-dgst-20-50-pa>

Product data sheet

Characteristics Value

Stroke 50 mm

Adjustable end range/length, front 32.9 mm

Adjustable end position range/length, rear 31.1 mm

Piston diameter 20 mm

Operating mode, drive unit Coupling plate

Cushioning Elastic cushioning rings/pads on both ends

Mounting position optional

Guideway Cage type ball bearing guideway

Construction features Double piston

Toggle type

Piston rod

Slide

Position detection Via proximity switch

Symbol 00991249

Working pressure 0.1 Mpa ... 0.8 Mpa

Working pressure 1 bar ... 8 bar

Working pressure 14.5 psi ... 116 psi

Maximum speed 0.8 m/s

Repeatability ≤ 0.3 mm

Operating mode Double acting

Operating medium Compressed air according to ISO 8573-1:2010 [7:4:4].

Working and pilot medium description Lubricated working medium available (always lubricated thereafter)

Corrosion resistance class CRC 1 - low corrosion resistance

Paint Wetting Index Substance (PWIS) compliance VDMA24364-B1/B2-L

Clean room class 6 according to ISO 14644-1

Ambient temperature -10 °C ... 60 °C

Impact energy at end position 0.35 J

Cushion length 1.2 mm

Maximum force F_y 1080 N

Max. force F_z 1080 N

Max. torque M_x 9 Nm

Max. torque M_y 10 Nm

Max. torque M_z 10 Nm

Theoretical force at 6 bar, return stroke 317 N

Theoretical force at 6 bar, forward stroke 377 N

Moving mass 621.5 g

Product weight 1341 g

Mounting with through-hole

Pneumatic connection G1/8

Material Description RoHS Compliant

Cover Material Precision Aluminum Alloy

Seal Material HNBR

Guide material POM

TPE-E

High quality alloy steel

Housing material Precision aluminum alloy

Piston rod material High-alloy stainless steel

