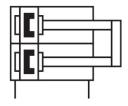
Mini slide **DGST-20-30-E1A**Part number: 8078864







General operating condition

Data sheet

Post on diameter 20 mm Prive unit operating mode Yoke Lashioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Suide Ball bearing cage guide Structural design Win piston Post on or Slide Piston rod Slide Post on or Slide	Feature	Value
Trive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Mounting position Any Saide Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Operating pressure O1 MPa 0.8 MPa Operating pressure O2 Max. Speed O3 m/s Repetition accuracy O4 — 0.3 mm O4 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating nessing conformity Operating since science class (CRC) 1 - Low corrosion stress Ansient temperature O2 Max. Force Fy 1110 N Max. Force Fy 1110 N Max. Lorque Mx	Stroke	30 mm
Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Piston rod Slide Poperating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating operation Operating operatio	Piston diameter	20 mm
Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure O.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Geoperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating m	Drive unit operating mode	Yoke
Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Oo991249 Operating pressure O.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Acceptition accur	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Twin piston Yoke Piston rod Slide Position sensing Poperating pressure On MPa 0.8 MPa Operating pressure Operating well- Operating well	Mounting position	Any
Position sensing Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure Objecting pressure Objecti	Guide	Ball bearing cage guide
Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Departing pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy	Structural design	Yoke Piston rod
Operating pressure Operating operation Operating pressure Operating Operation Operating Pressure Operating O	Position sensing	For proximity sensor
Deprating pressure 1 bar 8 bar 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Double-acting Deprating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Class 6 according to ISO 14644-1 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C O.2 J Cushioning length I mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque Mx 12 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass 455 g	Symbol	00991249
Departing pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Departing medium Corrosion resistance class (CRC) 1 - Low corrosion stress Class 6 according to ISO 14644-1 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10° C 60° C Imma Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx Max. torque Mx Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass 15 S B Moving mass 16 S B S S S S S S S S S S S S S S S S S	Operating pressure	0.1 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy <= 0.3 mm Repetition accuracy <= 0.3 mm Repetition accuracy	Operating pressure	1 bar 8 bar
Repetition accuracy Geopetition accuracy Mode of operation Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Lorrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Max. force Fy 1110 N Max. force Fy 1110 N Max. torque Mx 11 Nm Max. torque Mx 11 Nm Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 455 g	Operating pressure	14.5 psi 116 psi
Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Cleanroom class Class 6 according to ISO 14644-1 Cleanroom length Inm Max. force Fy I110 N Max. force Fz I110 N Max. torque Mx I1 Nm Max. torque My Max. torque My Max. torque Mz Max. torque M	Max. speed	0.5 m/s
Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress Class (CRC) 1 - Low corrosion stress Class 6 according to ISO 14644-1 Cleanroom class Class 6 according to ISO 14644-1 Cleanroom the end positions O.2 J Cushioning length I mm Max. force Fy 1110 N Max. torque Mx 11 Nm Max. torque Mx 11 Nm Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 455 g	Repetition accuracy	<= 0.3 mm
Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C mpact energy in the end positions Cushioning length I mm Max. force Fy 1110 N Max. torque Mx 11 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress 1 - Low corrosion exitation possible (required for further use) 1 - Low corrosion stress 2 - Low corrosion stress 1 - Low corrosion stress 1 - Low corrosion stress 2 - Low corrosion stress 1 - Low corrosion stress 1 - Low corrosion stress 2 - Low corrosion stress 1 - Low corrosion stress 2 - Low corrosion stress 3 - Low corrosion stress 4 - Low corrosion stress 2 - Low corrosion stress 2 - Low corrosion stress 3 - Low corrosion stress 4 - Low corrosion str	Mode of operation	Double-acting
Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque Mx 12 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 455 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque My Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 455 g	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz Theoretical force at 6 bar, retracting 377 N Moving mass 455 g	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz Theoretical force at 6 bar, retracting 317 N Moving mass 455 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
mpact energy in the end positions O.2 J Cushioning length Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz Theoretical force at 6 bar, retracting Moving mass O.2 J O.2 J O.3 J O.4 Max O.5 J O.6 J O.7 Max O.8 J	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz 12 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz 12 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 455 g	Impact energy in the end positions	0.2 J
Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz 12 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g	Cushioning length	1 mm
Max. torque Mx 11 Nm Max. torque My 12 Nm Max. torque Mz 12 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g	Max. force Fy	1110 N
Max. torque My 12 Nm Max. torque Mz 12 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g	Max. force Fz	1110 N
Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing	Max. torque Mx	11 Nm
Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g	Max. torque My	12 Nm
Theoretical force at 6 bar, advancing 377 N Woving mass 455 g	Max. torque Mz	12 Nm
Moving mass 455 g	Theoretical force at 6 bar, retracting	317 N
	Theoretical force at 6 bar, advancing	377 N
Product weight 994 g	Moving mass	455 g
	Product weight	994 g

Feature	Value
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	HNBR
Guide material	POM TPE-E High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel