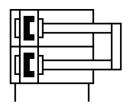
Mini slide **DGST-20-20-E1A**Part number: 8078863







General operating condition

Data sheet

Prison diameter 20 mm Drive unit operating mode Yoke Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Ball bearing cage guide Structural design Win piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1.4.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy	Feature	Value
Drive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Mounting position Any Sall bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure On 1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed Operating and pilot media Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating on operating to instance class (CRC) Lakes (PWIS) conformity VDMA2564-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C Impact energy in the end positions O.2 J Max. force Fz 1270 N Max. force Fz 1270 N Max. torque Mx Max. torque Mx Max. torque My Max. torque Mr Moving mass Yoke Balt bearing to bitnends, stocke not adjustable Any Balt bearing age guide Any Any Elastomer cushioning, at both ends, stroke not adjustable Any Sall bearing cage guide Any Any Sall bearing cage guide Twin piston Yoke Piston ros Piston ros Any Twin piston Yoke Piston ros Any Any Any Any Any Any Any An	Stroke	20 mm
Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure Operating medium Operating nedium Operating nedium Operating medium Operating nedium Operating nedium operating and pilot media Operation with oil lubrication possible (required for further use) Operating nesistance class (CRC) Operating pressure Operating	Piston diameter	20 mm
Mounting position Guide Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure On 1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy 4 = 0.3 mm Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compression esistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-81/B2-1 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C Impact energy in the end positions Oz. J Cushioning length Max. force F2 1270 N Max. torque MX Max. torque MA Moving mass Max. torque MA Moving max	Drive unit operating mode	Yoke
Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure Operating pressure 1 0.5 m/5 Repetition accuracy 4 = 0.3 mm Mode of operation Double-acting 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] Operation on operation stress Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C Impact energy in the end positions O.2 J Max. force F2 Max. torque My Max. torque My Max. torque My Max. torque My Moving mass Imministration on the model of t	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 Bar Operating pressure 1.4.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy < 0.3 mm Mode of operation Double-acting Operating monoperating and pilot media 0peration with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-81/B2-1 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10° C 60° C Impact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. torque Mx Max. torque Mx Max. torque Mx Max. torque Mx Max. torque Mz Theoretical force at 6 bar, advancing 377 N Moving mass Moving mass Moving mass Moving mass Moving mass Twin piston Position Piston Twin piston Tory Silde Por proximity sensor 10 991249 10 10 Piston Tory Silde Tory S	Mounting position	Any
Position sensing Position sensing For proximity sensor Symbol Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Repetition accuracy Operating medium Operating medium Operating medium Operating and pilot media Operating and pilot media Operation resistance class (CRC) 1 · Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 1.0 °C 60 °C Impact energy in the end positions Ougling length 1 mm Max. force Fy 1270 N Max. force Fy Max. torque Mx M	Guide	Ball bearing cage guide
Operating pressure Operating Operating Operating Operating Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating Opera	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure Operating pressure 14.5 psi 116 psi Max. speed Operating Desaure Operating Mode of operation Operating Mode of operation Operating medium Operating medium Operating operating operating and pilot media Operating with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 - Low corrosion stress Operating Model of Operating	Position sensing	For proximity sensor
Departing pressure 1 bar 8 bar Departing pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Mode of operating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Immact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Symbol	00991249
Departing pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Double-acting Double-acting Operating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 ° C 60 ° C Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. torque Mx 13 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Theoretical force at 6 bar, retracting 17 N Moving mass 448 g Moving mass	Operating pressure	0.1 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy c= 0.3 mm Double-acting Operating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Operating pressure	1 bar 8 bar
Repetition accuracy Generation 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) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Hom Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 448 g	Operating pressure	14.5 psi 116 psi
Double-acting Departing 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque Mx 14 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 448 g	Max. speed	0.5 m/s
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 Ambient temperature -10 ° C 60 ° C Impact energy in the end positions Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress Class 6 according to ISO 14644-1 1 - Low corrosion stress Cla	Repetition accuracy	<= 0.3 mm
Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions Cushioning length 1 mm Max. force Fy 1270 N Max. torque Mx 13 Nm Max. torque Mx 14 Nm 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 2 - 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	Mode of operation	Double-acting
Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 448 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 Impact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque My 14 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 448 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 Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque My Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass Class 6 according to ISO 14644-1 -10 °C 60 °C -10	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.2 J Cushioning length I mm Max. force Fy 1270 N Max. torque Mx 13 Nm Max. torque My Max. torque My 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting Moving mass -10 °C 60 °C -10 °	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 448 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length 1 mm Max. force Fy 1270 N Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 448 g	Impact energy in the end positions	0.2 J
Max. force Fz 1270 N Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Cushioning length	1 mm
Max. torque Mx 13 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Max. force Fy	1270 N
Max. torque My Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Max. force Fz	1270 N
Max. torque Mz Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Max. torque Mx	13 Nm
Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Max. torque My	14 Nm
Theoretical force at 6 bar, advancing 377 N Moving mass 448 g	Max. torque Mz	14 Nm
Moving mass 448 g	Theoretical force at 6 bar, retracting	317 N
	Theoretical force at 6 bar, advancing	377 N
Product weight 986 g	Moving mass	448 g
	Product weight	986 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