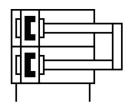
Mini slide **DGST-20-200-E1A**Part number: 8078871







General operating condition

Data sheet

Description accuracy Acceptation accuracy	Feature	Value
Prive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Proposition sensing Poperating pressure On 1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed 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 VDMA24364-B1/B2-L Eleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C myak. force Fy 1170 N Max. force Fy 1170 N Max. torque Mx Max. torque My Max. torque My Max. torque My Max. torque My Moving mass I as a service suite end adjust adjust and pilot media Data torque Mx Moving mass Moving mass I as formation on operation Any Elastomer cushioning, at both ends, stroke not adjustable Any Selection and page guide Any Twin piston Any Any Moving mass Heard and piston Any Any Moving mass Heard any To Max. torque My Moving mass Heard any Moving mass Heard any To Max. torque My Moving mass Heard any Twin piston Twin piston Twin piston Twin piston Twin piston To Max. torque My Moving mass Heard any Twin piston Twin	Stroke	200 mm
Elastomer cushioning at both ends, stroke not adjustable Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Operating pressure Operating medium Operating medium Operating medium Operating medium Operating medium Operating with oil lubrication possible (required for further use) Operating resident of operating on operating and pilot media Operating with oil lubrication possible (required for further use) Operating resident of operating on o	Piston diameter	20 mm
Mounting position Suide Ball bearing cage guide Structural design Voke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure I 14.5 psi 116 psi Max. speed Operating operation Operating operation Operating operation Operating medium Operating medium Operating medium Operating medium Operating medium Operating operating and pilot media Operation on operating and pilot media Operation virio in sistance class (CRC) I - Low corrosion stress AASS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature I 10°C60°C Impact on the media operation Operation length I mm Max. force Fy I 170 N Max. force Fy I 170 N Max. torque My Max. torque Mc Moving mass Max. torque My Moving mass Moving mass Moving mass Moving mass Max. torque My Moving mass Max. torque My Moving mass Moving mass Max. torque My Moving max. torque My Moving mass Max. torque My Moving max. t	Drive unit operating mode	Yoke
Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing Por 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 Acceptition accuracy Acceptition accuracy Acceptition 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] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress According to ISO 14644-1 According to ISO 14644-1 According length 1 mm Max. force Fy 1170 N Max. force Fy 1170 N Max. torque Mx Max. torque Mx Max. torque My Max. torque Mz Moving mass Helo g Moving mass	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 0 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 ABS (PWIS) conformity VDMA24364-B1/B2-L Clean com class Class 6 according to ISO 14644-1 Ambient temperature -10° C 60° C Max. torque My 170 N Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx Max. torque Mx Max. torque My 17 Nm Max. torque Mz Cheoretical force at 6 bar, advancing 377 N Moving mass 1460 g Moving mass	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 Objecting pressure 0.5 m/s Wax. speed 0.5 m/s Repetition accuracy <-0.3 mm Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation 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 1:0 °C 60 °C Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1170 N Max. force Fy 1170 N Max. torque Mx M	Guide	Ball bearing cage guide
Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy = 0.3 mm Mode of operating Operating medium 0 Double-acting Operating medium 0 Operating 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 0 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 1170 N Max. torque Mx 20 Nm Max. torque Mx Max. torque Mx Max. torque Mx Max. torque My 17 Nm Max. torque Mz Moving mass 1460 g Moving mass	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 Mode of operation Operating medium Operating medium Operating operating operating operating and pilot media Operating milot milot on operating ope	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 Mode of operation 0 Double-acting 0 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) Departing medium VDMA24364-B1/B2-L Cleanroom class CRC) 1 - Low corrosion stress Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Max. force Fy 1170 N Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 1460 g Moving mass	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 Doperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Doperation 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 Impact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque Mx Max. torque My 17 Nm Theoretical force at 6 bar, retracting 170 N Moving mass 1460 g Moving mass	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 Generation Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Doperating medium Corrosion resistance class (CRC) 1 - Low corrosion stress Cleanroom class Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature In m Max. force Fy 1170 N Max. torque Mx Max. torque My Max. torque My Max. torque My Max. torque Mz Cheoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass Compressed air as per ISO 8573-1:2010 [7:4:4] Double-acting Double-acting Double-acting Double-acting Double-acting Double-acting Double-acting Double-acting Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Double-acting Double-acting Double-acting Double-acting Double-acting 1 - Low corrosion stress VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 1- Low corrosion stress VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 1- In m Max. 60°C Max. force Fy 1170 N Max. force Fy 1170 N Max. torque Mx 20 Nm Max. torque My 317 N Moving mass	Operating pressure	14.5 psi 116 psi
Double-acting Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Departing medium Operating and pilot media 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 O.2 J Cushioning length 1 mm Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 1460 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 Into N Into Into N Into N Into N Into N Into Into Into Into Into Into Into Into	Repetition accuracy	<= 0.3 mm
Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C mpact energy in the end positions Cushioning length 1 mm Max. force Fy 1170 N Max. torque Mx Max. torque Mx 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 1460 g	Mode of operation	Double-acting
Corrosion resistance class (CRC) 1 - Low corrosion stress 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 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque My 17 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 1460 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque My 17 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 1460 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 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm 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 -1	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 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Moving mass 1460 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
mpact energy in the end positions O.2 J Cushioning length 1 mm Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 1460 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length 1 mm Max. force Fy 1170 N Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing Moving mass 1460 g	Impact energy in the end positions	0.2 J
Max. force Fz 1170 N Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Cushioning length	1 mm
Max. torque Mx 20 Nm Max. torque My 17 Nm Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Max. force Fy	1170 N
Max. torque My Max. torque Mz 17 Nm Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Max. force Fz	1170 N
Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Max. torque Mx	20 Nm
Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Max. torque My	17 Nm
Theoretical force at 6 bar, advancing 377 N Moving mass 1460 g	Max. torque Mz	17 Nm
Moving mass 1460 g	Theoretical force at 6 bar, retracting	317 N
	Theoretical force at 6 bar, advancing	377 N
Product weight 3275 g	Moving mass	1460 g
	Product weight	3275 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