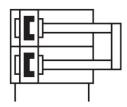
Mini slide **DGST-16-30-E1A**Part number: 8078855







General operating condition

Data sheet

Piston diameter 16 mm Drive unit operating mode Yoke Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Recirculating ball bearing 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 ba 8 bar Operating pressure 1.4.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy -0.3 mm Mode of operation Operating medium Operating win the med positions Cornosion resistance class (CRC) 1 - Low corrosion stress Class 6 according to ISO 14644-1 Ambient temperature 1.0 °C 60 °C Impact energy in the end positions Oush max. force Fy 860 N Max. force Fy 860	Feature	Value
Drive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Guide Structural design Civin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure Operating operation Operating operation Operating operation Operating operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating one operating to Isonomic 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 Outsidoning length Max. force Fy Max. force Fy Max. force Fy Max. torque Mx Max. torque Mx Max. torque My Moving mass Overiginasis Moving mass Overiginasis Arbicated and position Arbicated and position Arbicated and position Any Time pressure Time	Stroke	30 mm
Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Recirculating ball bearing guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure One pressure Operating pressure Operat	Piston diameter	16 mm
Mounting position Guide Recirculating ball bearing 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 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] 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 Outside Sensor Max. force F2 Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. torque My Moving mass Max. force 42 Moving mass Max. force 45 Moving mass Moving mass Moving mass Max. force 45 Moving mass Moving mass Moving mass Moving mass Max. force 45 Moving mass Max. force 45 Moving mass Moving mass Moving mass Moving mass Moving mass Moving mass Max. force 45 Max.	Drive unit operating mode	Yoke
Recirculating ball bearing 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/s Repetition accuracy According and pilot media Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating sensing 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 O15 J Cushioning length Os mm Max. force Fy 860 N Max. torque My Theoretical force at 6 bar, advancing Moving mass 277 g Moving mass	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Twin piston Yoke Piston rod Slide For proximity sensor Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed Operating Deperating Mode of operation Operating Operating 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.15 J Cushioning length Max. force Fy 860 N Max. force Fz 860 N Max. torque My 7.5 Nm Max. torque Mx Max. torque My Max. torque Mz Theoretical force at 6 bar, advancing Moving mass 277 g Wooding 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 0.5 m/s Max. speed 0.5 m/s Repetition accuracy Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on 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 10 °C 60 °C Impact energy in the end positions Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fy 860 N Max. torque My Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass Moving mass Voyeng Proximity sensor 10 prox	Guide	Recirculating ball bearing guide
Operating pressure Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed Operating Descuracy Amode of operating Operating medium Operating with oil lubrication possible (required for further use) 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 -10 °C 60 °C Impact energy in the end positions O.15 J Cushioning length O.8 mm Max. force Fy B60 N Max. force Fz B60 N Max. torque Mx T.5 Nm Max. torque My T.5 Nm Max. torque My T.5 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass Operation Annual Page Operation Annual Page Operation Annual Operation Annual Operation Whan Operation Annual Operation Whan Operation	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed Operating Double-acting Operating Double-acting Operating 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.8 mm Max. force Fy 860 N Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque Mx 7.5 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Position sensing	For proximity sensor
Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Mode of operating 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.15 J Cushioning length Max. force Fy 860 N Max. force Fy 860 N Max. torque Mx 11.3 Nm Max. torque Mx 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Symbol	00991249
Departing pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 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 Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque Mx 7.5 Nm Max. torque Mz Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Operating pressure	0.1 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy <= 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 0.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing 421 N Moving mass 277 g	Operating pressure	1 bar 8 bar
Repetition accuracy Generating 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) 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.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Operating pressure	14.5 psi 116 psi
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.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque Mx 7.5 Nm Max. torque Mz Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Max. speed	0.5 m/s
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) 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.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Repetition accuracy	<= 0.3 mm
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Mode of operation	Double-acting
Corrosion resistance class (CRC) 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.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 17.5 Nm 277 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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.15 J Cushioning length 0.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 277 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.15 J Cushioning length Max. force Fy 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 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 0.15 J 0.8 mm 860 N 1.13 Nm 7.5 Nm 7.7 Nm	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.15 J Cushioning length O.8 mm Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass -10 °C 60 °C O.15 J O.8 mm 860 N 870 N 870 N 870 N 870 N 870 N 870 N 871 N 871 N 872 N 873 N 874 N 875 N 875 N 876 N 877 S 877 S 877 S	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions O.15 J Cushioning length Max. force Fy 860 N Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass O.15 J O.8 mm O.8 mm O.8 mm O.8 mm O.8 mm O.8 mm O.9 N O.9	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length Max. force Fy 860 N Max. torque Mx Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 0.8 mm 860 N 11.3 Nm 11.3 Nm 11.3 Nm 25 Nm 75 Nm 75 Nm 75 Nm 77 S Nm 77 S Nm 77 S Nm 78 S Nm 79 S Nm 79 S Nm 70 S Nm	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 870 N	Impact energy in the end positions	0.15 J
Max. force Fz 860 N Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque Mz 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing Moving mass 277 g	Cushioning length	0.8 mm
Max. torque Mx 11.3 Nm Max. torque My 7.5 Nm Max. torque Mz 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing 241 N Moving mass 277 g	Max. force Fy	860 N
Max. torque My 7.5 Nm Max. torque Mz 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing 241 N Moving mass 277 g	Max. force Fz	860 N
Max. torque Mz 7.5 Nm Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing 241 N Moving mass 277 g	Max. torque Mx	11.3 Nm
Theoretical force at 6 bar, retracting 207 N Theoretical force at 6 bar, advancing 241 N Moving mass 277 g	Max. torque My	7.5 Nm
Theoretical force at 6 bar, advancing 241 N Moving mass 277 g	Max. torque Mz	7.5 Nm
Moving mass 277 g	Theoretical force at 6 bar, retracting	207 N
	Theoretical force at 6 bar, advancing	241 N
Product weight 510 g	Moving mass	277 g
	Product weight	510 g

Feature	Value
Type of mounting	With through-hole
Pneumatic connection	M5
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