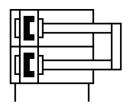
Mini slide **DGST-10-30-E1A**Part number: 8078841







General operating condition

Data sheet

Piston diameter 10 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 Twin 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 Structural design Structural design Position sensing Position sensing Poperating pressure Operating operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating operation with oil lubrication possible (required for further use) Corrosion resistance class (CRO) 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 Opsi Oussiloning length Anx. force Fy 490 N Max. force Fy 490 N Max. torque MX Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M7 Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M7 Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M8 Max. torque M7 Max. torque M8 Max. torque M9 Max. torque M7 Max. torque M8 Max. torque M8 M8x. torque M9 M8x. torque M8 M8x. torque M9 M8x. torque M8 M8x. tor	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 Operating pressure Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 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) Operation resistance class (CRC) 1 - Low corrosion stress Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 - Low corrosion stress Operating pressure Operating	Piston diameter	10 mm
Mounting position Guide Recirculating ball bearing 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	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 Mode of operation 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 Opsilon ping length 1.6 mm Max. force Fy 490 N Max. torque My Moving mass He gift in strong and in bearing guide Twin piston Two pown Twin Bar. and Pa Twin Italian Twin piston Twin piston Twin Bar. and Pa Twin Bar. and Pa Twin piston Twin Bar. and Pa Twin piston Twin Bar. and Pa Twin piston Twin Bar. and Pa Twin Bar. and P	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 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed Operating Deserting Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium 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 O.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. torque My Max. torque Mx Max. torque Mx Max. torque My Max. torque Mz Theoretical force at 6 bar, advancing Moving mass Hodge General Applications Oogstand Applications Twin piston Twin piston Oogs1 Twin piston Oogs1 Twin piston Oogs1 Twin piston Twin piston Oogs1 Twin piston Too ShPa Twin Das Appl Twin piston Twin piston Oogs1 Twin piston Twin piston Oogs1 Twin piston Twin piston Twin piston Too ShPa Twin Das Appl Twin piston Twin piston Twin piston Oogs1 Twin piston Twi	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 Max. speed Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating 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 1-10 °C 60 °C Impact energy in the end positions Ousling length 1.6 mm Max. force Fy 490 N Max. force Fy 490 N Max. torque My Max. torque Max. torque My Max. torque Max. torque My Max. torque Max. torque My Max. torque Max. t	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 Mode 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.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque Mx Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Moving mass	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed Operating pressure 0.5 m/s Repetition accuracy (= 0.3 mm Operating medium Operating medium Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 · Low corrosion stress Class (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 1-10 °C 60 °C Impact energy in the end positions O.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque Mx 3.5 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Moving mass	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 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 Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Symbol	00991249
Operating 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 Clearnoom class Class 6 according to ISO 14644-1 Ambient temperature -10 ° C 60 ° C Impact energy in the end positions Cushioning length 1.6 mm Max. force Fy 490 N Max. torque Mx 3.5 Nm Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 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 0.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque My 3 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 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.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Moving mass	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.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque Mx 3.5 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Moving mass	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 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.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Moving mass	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 1.6 mm Max. force Fy 490 N Max. torque Mx 3.5 Nm Max. torque Mx 3.5 Nm Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g Deration with oil lubrication possible (required for further use) 1 - Low corrosion stress 2 - Low corrosion s	Mode of operation	Double-acting
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 0.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque My 3 Nm Theoretical force at 6 bar, retracting 79 N Moving mass 146 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque My 3 Nm Theoretical force at 6 bar, retracting 79 N Moving mass 146 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 Cushioning length 1.6 mm Max. force Fy 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque My 3 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 -10	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.05 J Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Moving mass 146 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions Cushioning length 1.6 mm Max. force Fy 490 N Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length Max. force Fy 490 N Max. torque Mx Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 146 g	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 146 g	Impact energy in the end positions	0.05 J
Max. force Fz 490 N Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Cushioning length	1.6 mm
Max. torque Mx 3.5 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Max. force Fy	490 N
Max. torque My Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Max. force Fz	490 N
Max. torque Mz 3 Nm Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Max. torque Mx	3.5 Nm
Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Max. torque My	3 Nm
Theoretical force at 6 bar, advancing 94 N Moving mass 146 g	Max. torque Mz	3 Nm
Moving mass 146 g	Theoretical force at 6 bar, retracting	79 N
	Theoretical force at 6 bar, advancing	94 N
Product weight 292 g	Moving mass	146 g
	Product weight	292 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