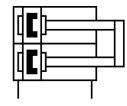
## Mini slide **DGST-6-30-E1A**Part number: 8078830







General operating condition

## **Data sheet**

Priston diameter 6 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 O.15 MPa 0.8 MPa  Operating pressure 1.5 bar 8 bar  Operating pressure 21.75 psi 116 psi  Operating pressure 3.5 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  Twin piston Yoke Piston rod Slide  Position sensing  For proximity sensor  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)  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  Operating pressure  Operating pressure  1.1 Nm  Max. force Fz  240 N  Max. force Fy  Ada N  Max. torque MX  1.1 Nm  Max. torque MX  Max. torque MY  Max. torque MA  Moving mass  Moving mass	Stroke	30 mm
Elastomer cushioning at both ends, stroke not adjustable Mounting position Any Recirculating position Any Recirculating ball bearing guide Structural design Twin piston Yoke Piston rood Slide Position sensing For proximity sensor O0991249 O099124	Piston diameter	6 mm
Mounting position  Suide  Recirculating ball bearing guide  Structural design  Twin piston Yoke Piston rod Slide  Position sensing  For proximity sensor  Symbol  Operating pressure  Operating pressure  Operating pressure  O.15 MPa 0.8 MPa  Operating pressure  1.5 bar 8 bar  Operating pressure  O.5 m/s  Repetition accuracy  Generating dum  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Operating one sistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-81/82-L  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  10°C 60°C  Impact energy in the end positions  O.12 J  Cushioning length  Max. force Fy  Max. torque Mx  Max. torque Mx  Max. torque Mx  Max. torque My  Moving mass  Max. Moving m	Drive unit operating mode	Yoke
Structural design  Twin piston Yoke Piston rod Slide  Position sensing  For proximity sensor  Symbol  Operating pressure  Operating pressure  Operating pressure  1.5 bar 8 bar  Operating pressure  Operating pressure  1.5 bar 8 bar  Operating pressure  Operating pressure  O.5 m/s  Repetition accuracy  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 on operation with oil lubrication possible (required for further use)  Ozorrosion 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.012 J  Cushioning length  Op mm  Max. force Fy  240 N  Max. torque My  Moving mass  Moving mass  Moving mass  65 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 0.15 MPa 0.8 MPa Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi  Max. speed 0.5 m/s  Repetition accuracy 40.3 mm Mode of operation 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 VDMA24364-81/B2-L  Cleanroom class Class 6 according to ISO 14644-1  Ambient temperature -10° C 60° C  Impact energy in the end positions 0.012 J  Cushioning length 0.9 mm Max. force Fy 240 N  Max. force Fz 240 N  Max. torque Mx  Max. torque Mx  Max. torque Mx  Max. torque My 1.2 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting 25 N  Moving mass 65 g  Moving mass	Mounting position	Any
Position sensing Position sensing For proximity sensor  Symbol Operating pressure Operating pressure 1.5 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 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 1:0 °C 60 °C Impact energy in the end positions Outling length Outl	Guide	Recirculating ball bearing guide
Symbol 00991249 Operating pressure 0.15 MPa 0.8 MPa Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi  Wax. speed 0.5 m/s Repetition accuracy <= 0.3 mm Mode of operating Operating medium 0.0 Double-acting Operating medium 0.0 Operating and pilot media 0.0 Operating 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 0.012 J Cushioning length 0.9 mm Max. force Fy 240 N Max. force Fz 240 N Max. torque Mx 1.1 Nm Max. torque Mx Max. torque Mx Max. torque My 1.2 Nm Max. torque Mz Theoretical force at 6 bar, retracting 25 N Moving mass 65 g Moving mass	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi Max. speed Operating Desaure Operating Desaure 21.75 psi 116 psi Max. speed Operating Desaure Operating Desaure Operating Desaure Operating Desaure Operating Mode of operation Operating medium Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 · Low corrosion stress Operating the diagram of the diagram operation with oil ubrication possible (required for further use) Operation resistance class (CRC) 1 · Low corrosion stress Operating medium Operating medium Operating medium Operating with oil lubrication possible (required for further use) Operating medium Operating best operations Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil lubrication possible (required for further use) Operating vibro oil	Position sensing	For proximity sensor
Departing pressure 1.5 bar 8 bar Departing pressure 21.75 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 0.5 m/s Repetition accuracy 4 0.5 m/s Mode of operation 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 0.012 J Cushioning length 0.9 mm Max. force Fy 240 N Max. force Fz 240 N Max. torque Mx 1.1 Nm Max. torque Mx 1.2 Nm Max. torque My 1.2 Nm Max. torque Mz 1.2 Nm Theoretical force at 6 bar, retracting 25 N Theoretical force at 6 bar, advancing Moving mass 65 g	Symbol	00991249
21.75 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  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  Max. force Fy  240 N  Max. torque Mx  1.1 Nm  Max. torque Mx  1.2 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  65 g  Moving mass	Operating pressure	0.15 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 0.012 J Cushioning length 0.9 mm  Max. force Fy 240 N  Max. force Fz 240 N  Max. torque Mx 1.1 Nm  Max. torque My 1.2 Nm  Max. torque My 1.2 Nm  Theoretical force at 6 bar, retracting 25 N  Theoretical force at 6 bar, advancing 34 N  Moving mass 65 g	Operating pressure	1.5 bar 8 bar
Repetition accuracy  Geogration  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.012 J  Cushioning length  O.9 mm  Max. force Fy  240 N  Max. force Fz  240 N  Max. torque Mx  1.1 Nm  Max. torque My  Max. torque My  1.2 Nm  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  Moving mass  65 g  Moving mass	Operating pressure	21.75 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 O.012 J Cushioning length 0.9 mm Max. force Fy 240 N Max. force Fz 240 N Max. torque Mx 1.1 Nm Max. torque My 1.2 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 25 N Theoretical force at 6 bar, advancing Moving mass 65 g	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.012 J Cushioning length 0.9 mm Max. force Fy 240 N Max. force Fz 240 N Max. torque Mx 1.1 Nm Max. torque My 1.2 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 25 N Theoretical force at 6 bar, advancing Moving mass  65 g  Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress 1 - Low corrosion s	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  0.9 mm  Max. force Fy  240 N  Max. torque Mx  1.1 Nm  Max. torque Mx  1.2 Nm  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  25 N  Moving mass  Operation with oil lubrication possible (required for further use)  1 - Low corrosion stress  2 - Low Case and Substance  1 - Low corrosion stress  2 - Low Case and Substance  1 - Low corrosion stress  1 - Low corrosion stress  1 - Low corrosion stress  2 - Low Case and Substance  3 - Low Case and Substance  4 - Low Case and Substance  2 - Low Case and Substance  3 - Low Case and Substance  4 - Low Case and Substance  4 - Low Case and Substance  4 - Low Case and Substance  5 - Low Case and Substance  6 - Low Case and Substance  7 - Low Case and Substance  9 - Low Case and Substance  1 - Low Case and Su	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  0.012 J  Cushioning length  0.9 mm  Max. force Fy  240 N  Max. force Fz  240 N  Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Max. torque My  1.2 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  65 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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.012 J Cushioning length O.9 mm Max. force Fy 240 N Max. force Fz 240 N Max. torque Mx 1.1 Nm Max. torque My 1.2 Nm Max. torque My 1.2 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass  65 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.9 mm  Max. force Fy  240 N  Max. torque Mx  1.1 Nm  Max. torque My  1.2 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 °C	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.012 J Cushioning length O.9 mm  Max. force Fy 240 N  Max. torque Mx 1.1 Nm  Max. torque My 1.2 Nm  Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Mount mass  1.1 Nm  Mount mass	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions  O.012 J  Cushioning length  O.9 mm  Max. force Fy  240 N  Max. force Fz  240 N  Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  O.012 J  O	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length  Max. force Fy  240 N  Max. torque Mx  Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  0.9 mm  240 N  240 N  240 N  1.1 Nm  1.2 Nm  1.2 Nm  34 N  45 g  465 g	Ambient temperature	-10 °C 60 °C
Max. force Fy  Max. force Fz  240 N  Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Max. torque Mz  1.2 Nm  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  Moving mass  65 g	Impact energy in the end positions	0.012 J
Max. force Fz  240 N  Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Max. torque Mz  1.2 Nm  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  34 N  Moving mass  65 g	Cushioning length	0.9 mm
Max. torque Mx  1.1 Nm  Max. torque My  1.2 Nm  Max. torque Mz  1.2 Nm  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  34 N  Moving mass  65 g	Max. force Fy	240 N
Max. torque My  1.2 Nm  Max. torque Mz  1.2 Nm  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  34 N  Moving mass  65 g	Max. force Fz	240 N
Max. torque Mz  Theoretical force at 6 bar, retracting  25 N  Theoretical force at 6 bar, advancing  34 N  Moving mass  65 g	Max. torque Mx	1.1 Nm
Theoretical force at 6 bar, retracting 25 N Theoretical force at 6 bar, advancing 34 N Moving mass 65 g	Max. torque My	1.2 Nm
Theoretical force at 6 bar, advancing 34 N Moving mass 65 g	Max. torque Mz	1.2 Nm
Moving mass 65 g	Theoretical force at 6 bar, retracting	25 N
	Theoretical force at 6 bar, advancing	34 N
Product weight 124 g	Moving mass	65 g
	Product weight	124 g

Feature	Value
Type of mounting	With through-hole
Pneumatic connection	M3
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