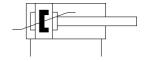
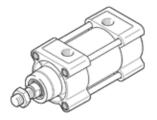
## standards-based cylinder DSBG-80-40-PPSA-N3 Part number: 1646786







## **Data sheet**

Piston rot thread M20x1,5 Cushioning PPS-Sel' adjusting pneumatic end-position cushioning Assembly position Any Conforms to standard JiSO 15552 Piston rod end Design structure Piston rod Grigory of the decition Piston rod Tie rod Cylinder barrel Position detection For proximity sensor Variants Single-ended piston rod Operating pressure MAGe of operation Operating measure Mode of operation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC PWIS conformity VDMA2/364-81/82-1 Ambient temperature POSI of the energy in end positions 1.81 Cushioning length Theoretical force at 0.6 MPa (6 bar, 87 ps), retracting Product weight Moving mass with 0 mm stroke Additional mass factor per 10 mm stroke Additional mass factor per 10 mm stroke Additional mass factor per 10 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Mounting type With internal (female) thread With accessories Optional Pre-U(PU) Waterial piston rod wiper seal With give seal With accessories Optional Pre-U(PU) Waterial piston rod wiper seal With external piston rod wiper seal With accessories Optional Pre-U(PU) Waterial piston rod wiper seal	Feature	Value
Piston rod thread  Cushioning  PPS: Self-adjusting pneumatic end-position cushioning Assembly position Any Conforms to standard ISO 15552  Piston rod Male thread Design structure Piston rod Tie rod Cylinder barrel Position detection For proximity sensor Variants Single-ended piston rod Deprating pressure MPa Operating pressure MPa Operating pressure OA 12 bar Mode of operation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance classification CRC 2. Moderate corrosion stress PMS: Conformity VDMA2A56-B1/82-1 Ambient temperature Impact energy in end positions 1.8] Cushioning length Theoretical force at 0.6 MPa (6 bar, 87 ps), retracting 2.7:21 N Theoretical force at 0.6 MPa (6 bar, 87 ps), advance Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 810 g Additional weight per 10 mm stroke 81 g Salic weight for 0 mm stroke 81 g Salic weight for 0 mm stroke 90 in each strong in the contraction of the co	Stroke	40 mm
Cushioning PPS: Self-adjusting pneumatic end-position cushioning Assembly position   Any   Conforms to standard   ISO 15552   Piston-rod end   Besign structure   Piston rod   Gylinder barrel   Position detection   For proximity sensor   Single-ended piston rod   Operating pressure MPa   Operating pressure   Operating neitium   Compressed air in accordance with ISO8573-1;2010 [74:4]   Unbridded operation possible (subsequently required for further operation)   Corrosion resistance classification CRC   2. Moderate corrosion stress   PWIS conformity   VDMA24364-B1/B2-L   Ambient temperature   2-0 80° C   Unshioning length   31 mm   Theoretical force at 0.6 MPa (6 bar, 87 ps), retracting   3.016 N   Mowing mass   966 g   Mowing mass actor per 10 mm of stroke   810 g   Additional mass factor per 10 mm of stroke   826 g   Mowing mass suffice of the mass of	Piston diameter	80 mm
Assembly position Any Conforms to standard ISO 15552 Piston rod end Male thread Piston rod Tire rod Cylinder barrel Position detection For proximity sensor Variants Single-ended piston rod Operating pressure MPa O.0.41.2 MPa Operating pressure MPa O.41.2 MPa Operating pressure O.41.2 Dar Mode of operation double-acting Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2Moderate corrosion stress PMUS conformity VDMA2/36-B1/B2-L Ambient temperature 20	Piston rod thread	M20x1,5
Assembly position Any Conforms to standard ISO 15552 Piston rod end Male thread Piston rod Tire rod Cylinder barrel Position detection For proximity sensor Variants Single-ended piston rod Operating pressure MPa O.0.41.2 MPa Operating pressure MPa O.41.2 MPa Operating pressure O.41.2 Dar Mode of operation double-acting Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2Moderate corrosion stress PMUS conformity VDMA2/36-B1/B2-L Ambient temperature 20	Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
ISO 15552	Assembly position	Any
Design structure Piston rod Piston rod Tie rod Cylinder barrel Position detection For proximity sensor Variants Single-ended piston rod Operating pressure MPa O.04 1.2 MPa Operating pressure MPa O.04 1.2 bar Mode of operation Operating measure MPa O.04 1.2 bar Mode of operation Mode of operation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Ocrosion resistance classification CRC 2. Moderate corrosion stress PMIS conformity VDMA24364-81/82-L Arabient temperature 20 80°C Impact energy in end positions 1.8 [1.8] Lushioning length 33 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting 2,721 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance 3,016 N Moving mass With 0 mm stroke 810 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 93° g Basic weight for 0 mm stroke 2,660 g Additional weight per 10 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Preumatic connection G3/8 Materials note Conforms to RoHS Materials note Die-cast aluminium, coated Material piston rod Material piston rod Material piston rod wiper seal TPE-U(PU) Material piston rod wiper seal TPE-U(PU) Material piston rod wiper seal TPE-U(PU) Material piston rod wiper seal FPE-U(PU) Material piston rod wiper seal Seel, galvanized Material tout steel, galvanized Material bearing POM Material bearing POM Material bearing Galvanized	Conforms to standard	•
Piston rod Tie rod Cylinder barrel Position detection Position detection For proximity sensor Operating pressure MPa Operating pressure Operating pressure Operating medium Operating medium Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Lubricated operation possible (subsequently required for further operation) Operating medium Corrosion resistance classification CRC 2 - Moderate corrosion stress Operation Operating medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 - Moderate corrosion stress Operating with the stress of the stress operation operati	Piston-rod end	Male thread
Piston rod Tie rod Cylinder barrel Position detection Position detection For proximity sensor Operating pressure MPa Operating pressure Operating pressure Operating medium Operating medium Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Lubricated operation possible (subsequently required for further operation) Operating medium Corrosion resistance classification CRC 2 - Moderate corrosion stress Operation Operating medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 - Moderate corrosion stress Operating with the stress of the stress operation operati	Design structure	Piston
Cylinder barrel For proximity sensor Variants Single-ended piston rod Operating pressure MPa Operating pressure Ode of operation Operating medium Operating and pilot medium Operating and pilot medium Compressed air in accordance with 1508573-1:2010 [7:4:4] Note on operation O	, and the second	Piston rod
Position detection  For proximity sensor  Variants  Single-ended piston rod Operating pressure MPa  O.41.2 MPa Operating pressure  O.41.2 bar Mode of operation Operating pressure  O.4		Tie rod
Variants Operating pressure MPa Operating pressure O.4 12 MPa Operating pressure O.4 12 bar Mode of operation Operating medium Operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-81/82-L Ambient temperature - 20 80 °C Impact energy in end positions Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting Theoretical force at 0.6 MPa (6 bar, 87 psi), advance Moving mass Moving mass with 0 mm stroke Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 810 g Additional mass factor per 10 mm of stroke 82 g Basic weight for 0 mm stroke 83 g Moving type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to ROHS Material piston seal Material piston rod Material piston rod Worught stall internal Material piston rod wiper seal Buffer seal material Cushion piston material Smooth-anodised wrought aluminium alloy Material piston rod Material piston rod Material piston rod Material piston material Smooth-anodised wrought aluminium alloy Material piston piston material Smooth-anodised steel		Cylinder barrel
Variants Operating pressure MPa Operating pressure O.4 12 MPa Operating pressure O.4 12 bar Mode of operation Operating medium Operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-81/82-L Ambient temperature - 20 80 °C Impact energy in end positions Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting Theoretical force at 0.6 MPa (6 bar, 87 psi), advance Moving mass Moving mass with 0 mm stroke Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 810 g Additional mass factor per 10 mm of stroke 82 g Basic weight for 0 mm stroke 83 g Moving type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to ROHS Material piston seal Material piston rod Material piston rod Worught stall internal Material piston rod wiper seal Buffer seal material Cushion piston material Smooth-anodised wrought aluminium alloy Material piston rod Material piston rod Material piston rod Material piston material Smooth-anodised wrought aluminium alloy Material piston piston material Smooth-anodised steel	Position detection	,
Operating pressure MPa         0.4 12 bar           Operating pressure         0.4 12 bar           Mode of operating         double-acting           Operating medium         Compressed air in accordance with ISO8573-1:2010 [7:4:4]           Note on operating and pilot medium         Lubricated operation possible (subsequently required for further operation)           Corrosion resistance classification CRC         2 - Moderate corrosion stress           PWIS conformity         VDMA24364-B1/B2-L           Ambient temperature         -20 80 °C           Impact energy in end positions         1.8 J           Cushioning length         31 mm           Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting         2,721 N           Theoretical force at 0.6 MPa (6 bar, 87 psi), advance         3,016 N           Moving mass         966 g           Moving mass with 0 mm stroke         810 g           Additional mass factor per 10 mm of stroke         39 g           Product weight         3,000 g           Basic weight for 0 mm stroke         85 g           Mounting type         with internal (female) thread with accessories Optional           Pneumatic connection         G3/8           Material snote         Conforms to ROHS           Material piston seal         TPE-U(PU)	Variants	, ,
Operating pressure Mode of operation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-81/82-1 Ambient temperature 2-0 80 °C Impact energy in end positions 1.8.J Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 ps), retracting 2,721 N Theoretical force at 0.6 MPa (6 bar, 87 ps), advance Moving mass Moving mass with 0 mm stroke Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 83 g Product weight 3,000 g Basic weight for 0 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material piston roal Material piston roal Material piston roal Material piston roal Material piston rod wiper seal Buffer all material TPE-U(PU) Material lout material POM Material out setel, galvanized Material positon material POM Material out setel, galvanized Material positon material POM Material lout setel Material lout setel Material piston material POM Material positon material POM Material obering Galvanised steel	Operating pressure MPa	
Mode of operation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 · Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Ambient temperature 2 · O 80 ° C Impact energy in end positions 1.8 J Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting 2,771 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance Moving mass 966 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 810 g Additional mass factor per 10 mm of stroke 82,660 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material piston seal Material piston rod Material piston rod Material piston rod Material piston rod wiper seal Buffer seal material TPE-U(PU) Material piston material TPE-U(PU) Material piston material POM Material poston material FPC MCM Material parting Smooth-anodised wrought aluminium alloy Material poston material FPC MCM Material parting Galvanised steel		0.4 12 bar
Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L Ambient temperature - 20 80 °C Impact energy in end positions 1.8 J Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting Theoretical force at 0.6 MPa (6 bar, 87 psi), advance Moving mass Moving mass 966 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 830 g Basic weight for 0 mm stroke Additional weight per 10 mm stroke 840 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material piston rod wiper seal Buffer seal material TPE-U(PU) Material piston material POM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material postron Material cylinder barrel Smooth-anodised wrought aluminium alloy Material postron Material postron Material piston material POM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material piston material Galvanised steel		double-acting
Note on operating and pilot medium  Corrosion resistance classification CRC  2 - Moderate corrosion stress  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Impact energy in end positions  1.8 J  Cushioning length  Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting  Moving mass  966 g  Moving mass  Moving mass with 0 mm stroke  Additional mass factor per 10 mm of stroke  Product weight for 0 mm stroke  3.000 g  Basic weight for 0 mm stroke  Additional weight per 10 mm stroke  Mounting type  With internal (female) thread with accessories  Optional  Material poton seal  Material piston seal  TPE-U(PU)  Material piston rod wiper seal  Meterial cylinder barrel  Material piston rod wiper seal  Material poton material  POM  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material poton material  Material poton material  POM  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material poton material  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material poton material  Material poton material  POM  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material poton material  Material cylinder barrel  Material poton material  Smooth-anodised wrought aluminium alloy  Material potange  Ma		
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Corrosion resistance classification CRC  PWIS conformity  VDMA24364-81/B2-L  Ambient temperature  -20 80 °C  Impact energy in end positions  Lis J  Cushioning length  Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting  2,721 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance  Moving mass  966 g  Moving mass with 0 mm stroke  Additional mass factor per 10 mm of stroke  Basic weight for 0 mm stroke  Additional weight per 10 mm stroke  85 g  Mounting type  With internal (female) thread with accessories  Optional  Pre-umatic connection  Material piston seal  Material piston seal  Material piston rod  Material piston material  DeM  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material piston material  DOM  Material piston material  POM  Material piston material  Smooth-anodised wrought aluminium alloy  Material piston material  Material piston material  Galvanised steel		
PWIS conformity Ambient temperature -20 80 °C Impact energy in end positions 1.8 J Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting 2,721 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance Moving mass 966 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 97 product weight 3,000 g Basic weight for 0 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection 63/8 Materials note Conforms to RoHS Material cover Die-cast aluminium, coated Material piston rod Material piston rod Material piston rod wiper seal Material piston rod wiper seal Material piston material POM Material (yilnder barrel Cushion piston material POM Material puston material POM Material pom Material piston material POM Material pom Material piston material POM Material piston material Galvanised steel	Corrosion resistance classification CRC	
Ambient temperature -20 80 °C Impact energy in end positions 1.8 J Cushioning length 31 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting 2,721 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance 3,016 N Moving mass Moving mass 966 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 39 g Product weight 3,000 g Basic weight for 0 mm stroke 42,660 g Additional weight per 10 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection 63/8 Materials note Conforms to RoHS Material cover Material piston seal Material piston rod Material piston rod wiper seal Buffer seal material Cushion piston material PPM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material cylinder barrel Smooth-anodised wrought aluminium alloy Material piston material PPM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material piston material PPM Material piston material PPM Material piston material Smooth-anodised wrought aluminium alloy Material paring Collar nut material Galvanised steel		
Impact energy in end positions  Cushioning length  31 mm  Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting  7,271 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance  Moving mass  966 g  Moving mass with 0 mm stroke  810 g  Additional mass factor per 10 mm of stroke  Product weight  Basic weight for 0 mm stroke  2,660 g  Additional weight per 10 mm stroke  85 g  Mounting type  with internal (female) thread with accessories Optional  Pneumatic connection  G3/8  Materials note  Conforms to RoHS  Material piston seal  TPE-U(PU)  Material piston rod wiper seal  Buffer seal material  Cushion piston material  POM  Material cylinder barrel  Material quinder barrel  Material quinder barrel  Material quinder barrel  Material pown  Material quinder barrel  Material pown  Material quinder barrel  Material paton  Galvanised steel  Galvanised steel	,	•
Cushioning length Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting Theoreticial force at 0.6 MPa (6 bar, 87 psi), advance 3,016 N Moving mass Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 810 g Additional mass factor per 10 mm of stroke 839 g Product weight 3,000 g Basic weight for 0 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection 63/8 Materials note Conforms to RoHS Material piston seal Material piston rod Material piston rod wiper seal Material piston material TPE-U(PU) Buffer seal material TPE-U(PU) Buffer seal material TPE-U(PU) Cushion piston material TPE-U(PU) Material cylinder barrel Smooth-anodised wrought aluminium alloy Material piston material TPE-U(PU) Cushion piston material Smooth-anodised wrought aluminium alloy Material paring POM Material pearing POM Gollar nut material Galvanised steel	•	
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting Theoretical force at 0.6 MPa (6 bar, 87 psi), advance 3,016 N Moving mass 966 g Moving mass with 0 mm stroke 810 g Additional mass factor per 10 mm of stroke 39 g Product weight 3,000 g Basic weight for 0 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material piston rod Material piston rod Material piston rod Material piston rod wiper seal Buffer seal material Cushion piston material Material cylinder barrel Material cylinder barrel Material quinder barrel Material cylinder barrel Material quinder barrel Material piston Material cylinder barrel Material quinder barrel Material quinder barrel Material pearing Collar nut material Galvanised steel		· ·
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance  Moving mass  966 g  Moving mass with 0 mm stroke  Additional mass factor per 10 mm of stroke  39 g  Product weight  Basic weight for 0 mm stroke  Additional weight per 10 mm stroke  85 g  Mounting type  with internal (female) thread with accessories Optional  Pneumatic connection  G3/8  Materials note  Conforms to ROHS  Material piston seal  Material piston rod  Material piston rod  Material piston rod wiper seal  Material piston rod wiper seal  Material piston rod wiper seal  Material cylinder barrel  Material cylinder barrel  Material cylinder barrel  Material piston material  POM  Material piaring  Galvanised steel  Galvanised steel		
Moving mass with 0 mm stroke  Moving mass with 0 mm stroke  Additional mass factor per 10 mm of stroke  39 g  Product weight 3,000 g  Basic weight for 0 mm stroke  Additional weight per 10 mm stroke  Mounting type  with internal (female) thread with accessories Optional  Pneumatic connection  G3/8  Materials note  Conforms to ROHS  Material piston seal  Material piston seal  Material piston rod  Material piston rod wiper seal  Material piston rod wiper seal  Material piston material  Material cylinder barrel  Material cylinder barrel  Cush amount in TPE-U(PU)  Smooth-anodised wrought aluminium alloy  Material cylinder barrel  Smooth-anodised wrought aluminium alloy  Material cylinder barrel  Material piston  Material cylinder barrel  Material bearing  Galvanised steel		
Moving mass with 0 mm stroke Additional mass factor per 10 mm of stroke 39 g Product weight 3,000 g Basic weight for 0 mm stroke 2,660 g Additional weight per 10 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection 63/8 Materials note Conforms to RoHS Material piston seal TPE-U(PU) Material piston rod Material piston rod wiper seal Material piston rod wiper seal Material Material Material Material Material Mounting type with internal (female) thread with accessories Optional Conforms to RoHS Materials note Mrought Aluminium, coated Material piston seal TPE-U(PU) Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU) Cushion piston material POM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material pearing POM Collar nut material Galvanised steel	• • •	
Additional mass factor per 10 mm of stroke Product weight 3,000 g Basic weight for 0 mm stroke 2,660 g Additional weight per 10 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material piston seal TPE-U(PU) Material piston rod Material piston rod Material piston rod wiper seal Material Material piston material TPE-U(PU)  Buffer seal material TPE-U(PU)  Material cylinder barrel Smooth-anodised wrought aluminium alloy Material cylinder barrel Material piston Material piston material Material piston material Material piston material Galvanised steel  Material pom Material piston material Material cylinder barrel Material cylinder barrel Galvanised steel		
Product weight 3,000 g Basic weight for 0 mm stroke 2,660 g Additional weight per 10 mm stroke 85 g Mounting type with internal (female) thread with accessories Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material cover Die-cast aluminium, coated Material piston seal TPE-U(PU) Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU) Buffer seal material TPE-U(PU) Buffer seal material TPE-U(PU) Material cylinder barrel TPE-U(PU) Material cylinder barrel Smooth-anodised wrought aluminium alloy Material cylinder barrel Smooth-anodised wrought aluminium alloy Material put Steel, galvanized Material bearing POM Collar nut material Galvanised steel		
Basic weight for 0 mm stroke Additional weight per 10 mm stroke  Mounting type With internal (female) thread with accessories Optional  Pneumatic connection G3/8 Materials note Conforms to RoHS Material cover Die-cast aluminium, coated Material piston seal TPE-U(PU) Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU)  Buffer seal material TPE-U(PU)  Cushion piston material POM Material cylinder barrel Material nut Steel, galvanized Material bearing Collar nut material Galvanised steel	•	
Additional weight per 10 mm stroke  Mounting type  with internal (female) thread with accessories Optional  Pneumatic connection  G3/8  Materials note  Conforms to RoHS  Material cover  Die-cast aluminium, coated  Material piston seal  TPE-U(PU)  Material piston rod  High alloy steel  Material piston rod wiper seal  TPE-U(PU)  Buffer seal material  TPE-U(PU)  Cushion piston material  POM  Material cylinder barrel  Material nut  Steel, galvanized  Material bearing  POM  Collar nut material  Galvanised steel		
Mounting type  with internal (female) thread with accessories Optional  Pneumatic connection  G3/8  Materials note  Conforms to RoHS  Material cover Die-cast aluminium, coated  Material piston seal TPE-U(PU)  Material piston rod High alloy steel  Material piston rod wiper seal TPE-U(PU)  Buffer seal material TPE-U(PU)  Cushion piston material POM  Material cylinder barrel Material piston Material bearing Material bearing POM  Collar nut material Galvanised steel		
with accessories Optional  Pneumatic connection G3/8  Materials note Conforms to RoHS  Material cover Die-cast aluminium, coated  Material piston seal TPE-U(PU)  Material piston rod High alloy steel  Material piston rod wiper seal TPE-U(PU)  Buffer seal material TPE-U(PU)  Cushion piston material POM  Material nut Steel, galvanized Material bearing Collar nut material Galvanised steel	Mounting type	
Optional Pneumatic connection G3/8 Materials note Conforms to RoHS Material cover Die-cast aluminium, coated Material piston seal TPE-U(PU) Material piston rod Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU) Buffer seal material TPE-U(PU) Cushion piston material POM Material cylinder barrel Material nut Steel, galvanized Material bearing Collar nut material Galvanised steel		
Pneumatic connection G3/8  Materials note Conforms to RoHS  Material cover Die-cast aluminium, coated  Material piston seal TPE-U(PU)  Material piston rod Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU)  Buffer seal material TPE-U(PU)  Cushion piston material POM  Material cylinder barrel Material nut Steel, galvanized Material bearing POM  Collar nut material Galvanised steel		· · · · · · · · · · · · · · · · · · ·
Materials note Die-cast aluminium, coated Material piston seal TPE-U(PU) Material piston rod Material piston rod Material piston rod High alloy steel Material piston rod wiper seal TPE-U(PU) Buffer seal material TPE-U(PU) Cushion piston material POM Material cylinder barrel Material nut Material bearing Collar nut material Galvanised steel	Pneumatic connection	· ·
Material cover  Material piston seal  TPE-U(PU)  Material piston  Mrought Aluminium alloy  Material piston rod  Migh alloy steel  Material piston rod wiper seal  TPE-U(PU)  Buffer seal material  TPE-U(PU)  Cushion piston material  POM  Material cylinder barrel  Material nut  Material bearing  POM  Collar nut material  Galvanised steel		•
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Material piston  Material piston rod  High alloy steel  Material piston rod wiper seal  TPE-U(PU)  Buffer seal material  TPE-U(PU)  Cushion piston material  POM  Material cylinder barrel  Material nut  Material bearing  Collar nut material  Galvanised steel		·
Material piston rod High alloy steel  Material piston rod wiper seal  Buffer seal material  TPE-U(PU)  Cushion piston material  POM  Material cylinder barrel  Material nut  Material bearing  POM  Collar nut material  Galvanised steel	•	
Material piston rod wiper seal  Buffer seal material  TPE-U(PU)  Cushion piston material  POM  Material cylinder barrel  Material nut  Material bearing  POM  Collar nut material  Galvanised steel		
Buffer seal material TPE-U(PU) Cushion piston material POM Material cylinder barrel Smooth-anodised wrought aluminium alloy Material nut steel, galvanized Material bearing POM Collar nut material Galvanised steel	·	
Cushion piston material POM  Material cylinder barrel Smooth-anodised wrought aluminium alloy  Material nut steel, galvanized  Material bearing POM  Collar nut material Galvanised steel	, , , , , , , , , , , , , , , , , , , ,	
Material cylinder barrel       Smooth-anodised wrought aluminium alloy         Material nut       steel, galvanized         Material bearing       POM         Collar nut material       Galvanised steel		
Material nutsteel, galvanizedMaterial bearingPOMCollar nut materialGalvanised steel		
Material bearing POM Collar nut material Galvanised steel		
Collar nut material Galvanised steel		
METALIAL DA DO	Material tie rod	High alloy steel