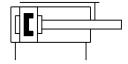
Part number: 170491





## **Data sheet**

Piston diameter 10 mm  Operating mode, drive unit Yoke Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Ball bearing cage guide Design Yoke Piston Piston on Ball roller guide Slide Operating pressure 0.1 MPa1 MPa 1 bar10 bar 1 45. psi145 psi Deperating medium Operating medium Operating and pilot medium laways be required) Corrosion resistance class CRC 0. No corrosion stress LABS (PWIS) conformity Works. force Fz Daws. force Fz Daws. moment Mx Daws. moment Mx Daws. moment Mx Daws. moment Mz Deperating force at 0.6 MPa (6 bar, 87 psi), return stroke Deperating meds Deperating force at 0.6 MPa (6 bar, 87 psi), return stroke Deperating meds Deperating force at 0.6 MPa (6 bar, 87 psi), advance stroke Deperating meds Deperating medium Deperating pressure Deperation possible (in which case lubricated operation pressure Deperation possible (in which case lubricated pressure Deperating pressure Deperating pressure Deperating pressure Deperating pressure	Feature	Value
Operating mode, drive unit  Cushioning  Elastic cushioning rings/plates at both ends  Mounting position  Guide  Ball bearing cage guide  Posign  Yoke Piston Piston rod Ball roller guide Slide  Position detection  Operating pressure  Operating pressure  On 1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi  Double-acting  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  On No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  Impact energy in end positions  Operation wax. force Fy  220 N  Max. force Fz  220 N  Max. moment Mx  Max. moment Mx  Max. moment My  Max. moment Mz  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Moving mass  Product weight  Healting in grigs/plates at both ends  Position optional  Ball bearing rings/plates at both ends  All B  Product weight  Poke and in a battering rings/plates at both ends  Position all setting rings/plates at both ends  Position  All barring rings/plates at both ends  All B  Product weight  Poke and in a battering rings/plates at both ends  Potional  All Setting rings/plates  Potional  All Setting rings/plates  Potional  Potional  Potional  All Setting rings/plates  Potional  Potional  Potional  All Setting rings/plates  Potion  Piston  Pisto	Stroke	5 mm
Elastic cushioning ings/plates at both ends  Mounting position optional  Ball bearing cage guide  Yoke Piston Piston rod Ball roller guide Slide  Position detection Via proximity switch  Operating pressure 1.4.5 psi145 psi  Mode of operation Double-acting  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation subside equivied operation will always be required)  Corrosion resistance class CRC 0 - No corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L  Ambient temperature 2.0°C60°C  Impact energy in end positions  Max. force Fz 220 N  Max. moment Mx  Max. moment Mx  Max. moment My	Piston diameter	10 mm
Mounting position  Guide  Ball bearing cage guide  Yoke Piston Piston rod Ball roller guide Slide  Position detection  Operating pressure  On 1 MPa1 MPa 1 bar10 bar 1 4.5 psi145 psi  Double-acting  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pillot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Ambient temperature  Operating temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  Max. force Fy  Max. moment Mx  One Max. moment My  Max. moment My  Max. moment My  Max. moment My  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass  Herbertical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass	Operating mode, drive unit	Yoke
Ball bearing cage guide  Posign  Yoke Piston Piston rod Ball roller guide Slide  Position detection  Via proximity switch  Operating pressure  0.1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi  Mode of operation  Double-acting  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  0 - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  0.05 Nm  Max. force Fy  220 N  Max. moment Mx  0.6 Nm  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass  41 g  Product weight	Cushioning	Elastic cushioning rings/plates at both ends
Position detection Position detection Position detection Position detection Position detection Poperating pressure Position detection Position Position Position detection Position resistance Position detection Position Position Position detection Position resistance Position detection Position Position Position detection Position Position Position detection Position	Mounting position	optional
Piston Piston rod Ball roller guide Slide  Position detection  Via proximity switch  Operating pressure  On 1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi  Mode of operation  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  O - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Q.05 Nm  Max. force Fy  220 N  Max. force Fz  220 N  Max. moment Mx  Max. moment Mx  O.6 Nm  Max. moment My  Max. moment My  Max. moment Mz  Hoeretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass  Product weight  130 g	Guide	Ball bearing cage guide
Operating pressure  On MPa1 MPa 1 bar10 bar 14.5 psi145 psi  Mode of operation  Double-acting  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  On No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  220 N  Max. force Fy  220 N  Max. moment Mx  On Mm  Max. moment Mx  On Mm  Max. moment My  On Mm  Max. moment My  On Mm  Max. moment Mz  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass  Product weight  130 g	Design	Piston Piston rod Ball roller guide
1 bar10 bar 14.5 psi145 psi  Mode of operation  Double-acting  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  0 - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  220 N  Max. force Fz  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass  41 g  Product weight	Position detection	Via proximity switch
Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  O - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  220 N  Max. force Fz  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment My  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  39 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  Product weight  130 g	Operating pressure	1 bar10 bar
Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  O - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  220 N  Max. moment Mx  O.6 Nm  Max. moment Mx  O.6 Nm  Max. moment My  O.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass  41 g  Product weight  Lubricated operation possible (in which case lubricated operation will always be required)  0 - No corrosion stress  VDMA24364-B2-L  -20 °C60 °C  0,05 Nm  220 N  0,05 Nm  220 N  47 N  47 N  Moving mass  41 g  Product weight	Mode of operation	Double-acting
always be required)  Corrosion resistance class CRC  0 - No corrosion stress  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  Max. force Fy  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment My  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Moving mass  41 g  Product weight  130 g	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity  VDMA24364-B2-L  Ambient temperature  -20 °C60 °C  Impact energy in end positions  0,05 Nm  Max. force Fy  220 N  Max. force Fz  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment My  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  Product weight  130 g	Note on operating and pilot medium	
Ambient temperature -20 °C60 °C Impact energy in end positions 0,05 Nm  Max. force Fy 220 N  Max. force Fz 220 N  Max. moment Mx 0.6 Nm  Max. moment My 0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 41 g  Product weight 130 g	Corrosion resistance class CRC	0 - No corrosion stress
Impact energy in end positions  O,05 Nm  Max. force Fy  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Moving mass  41 g  Product weight  O,05 Nm	LABS (PWIS) conformity	VDMA24364-B2-L
Max. force Fy  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  41 g  Product weight  130 g	Ambient temperature	-20 °C60 °C
Max. force Fz  220 N  Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 39 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 47 N  Moving mass  41 g  Product weight  130 g	Impact energy in end positions	0,05 Nm
Max. moment Mx  0.6 Nm  Max. moment My  0.6 Nm  Max. moment Mz  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  39 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  41 g  Product weight  130 g	Max. force Fy	220 N
Max. moment My  0.6 Nm  Max. moment Mz  0.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  41 g  Product weight  130 g	Max. force Fz	220 N
Max. moment Mz  O.5 Nm  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  39 N  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  41 g  Product weight  130 g	Max. moment Mx	0.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  47 N  Moving mass  41 g  Product weight  130 g	Max. moment My	0.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 47 N  Moving mass 41 g  Product weight 130 g	Max. moment Mz	0.5 Nm
Moving mass 41 g Product weight 130 g	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	39 N
Product weight 130 g	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N
	Moving mass	41 g
alternative connections See product drawing	Product weight	130 g
	alternative connections	See product drawing

Feature	Value
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Anodised wrought aluminium alloy
Material guide	Steel
Material housing	High-alloy stainless steel