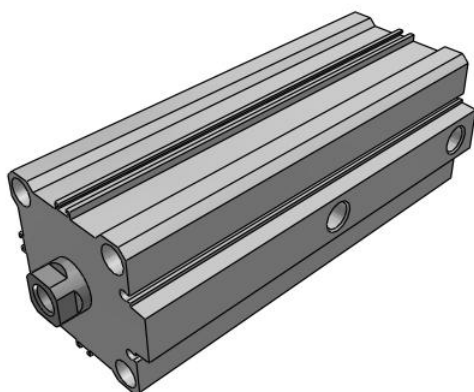


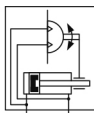


MK2T, Rotary Clamp Cylinder, Double Guide Type MK2TB50TF-20R

Datasheet

General series information

- Larger allowable moment of inertia.
- Horizontal mounting is now possible.
- Anti-rotational and rotational accuracies improved.



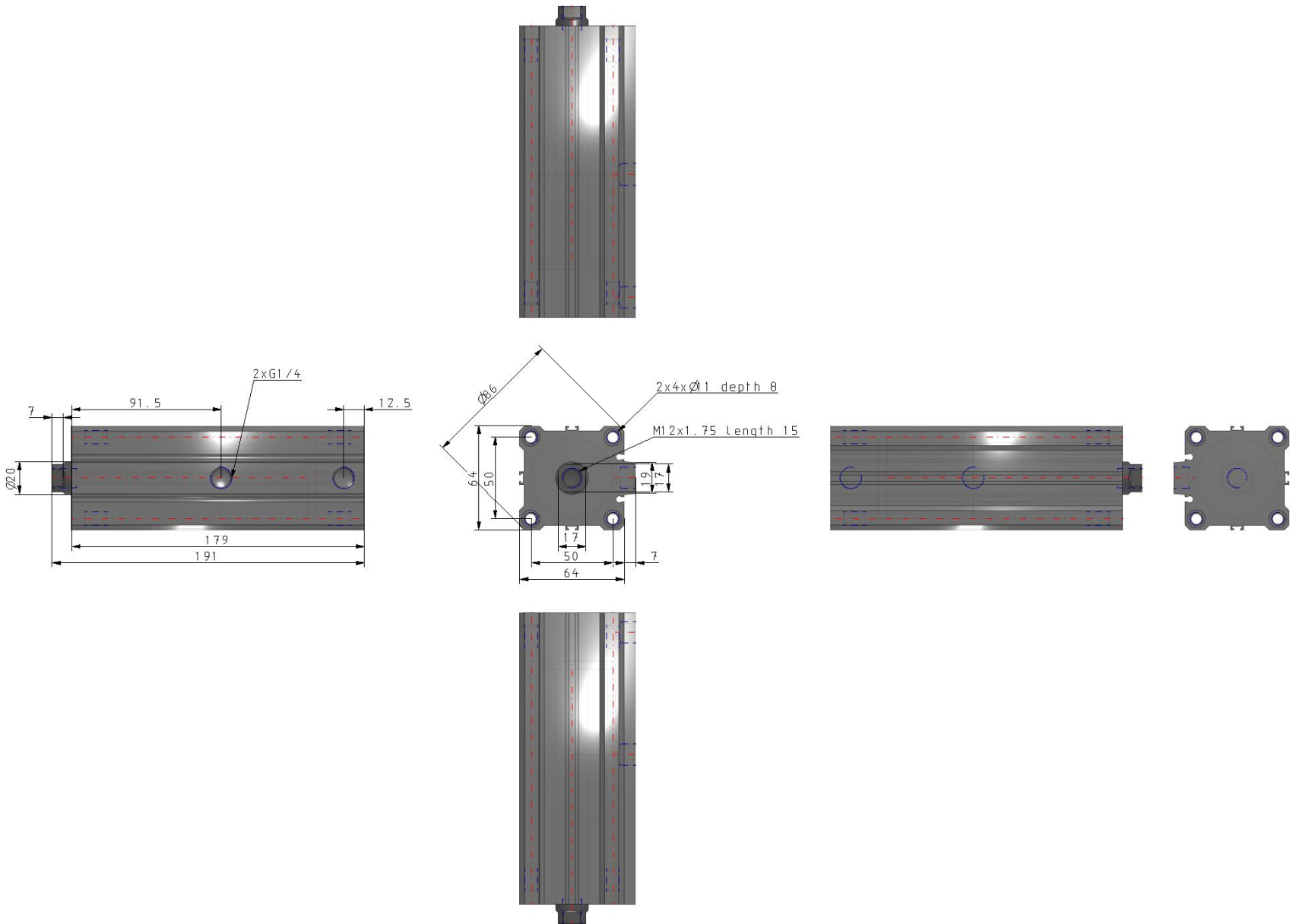
Rotary clamp cylinder

Standard specifications

Mounting	B (Through Hole Both Ends Tapped Common)
Bore Size	50 mm
Cylinder Port	TF (G)
Stroke	20 mm
Rotation	R (Right Rotation)
Body Option	Standard (Female Thread)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
X Option	None
Maximum operating pressure	1 MPa
Minimum operating pressure	0.1 MPa
Proof pressure	1.5 Mpa
Maximum ambient temperature	Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)
Minimum ambient temperature	-10°
Type of cushioning	Rubber Bumper
Non-rotating accuracy of plate	±0.5°
Port size	G1/4
Lubrication	Non-lube

Fluid	Air
Stroke length tolerance	+ 1.0 0
Rotary stroke	33
Clamp stroke	20, 50
Theoretical clamp force (at 0.5 MPa.)	20, 50
Piston speed	50 - 200 mm/s
Rotation angle	90° ±5°
Weight	2.049 Kg

Dimensions

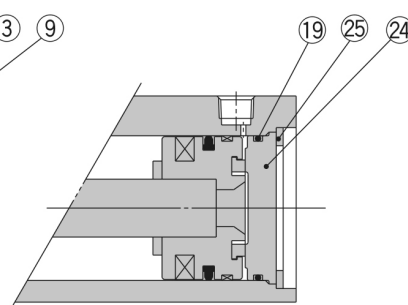
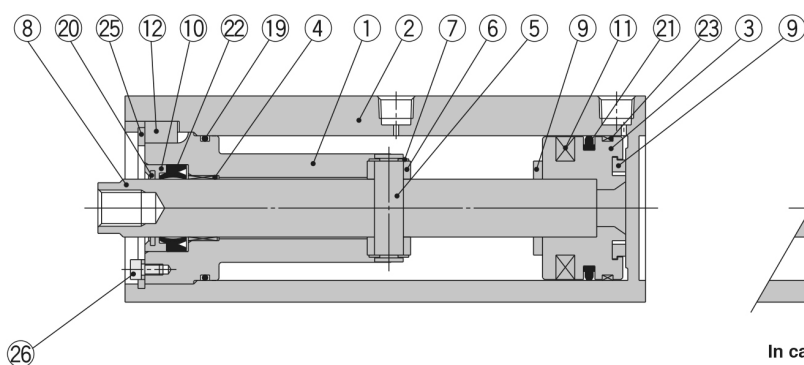
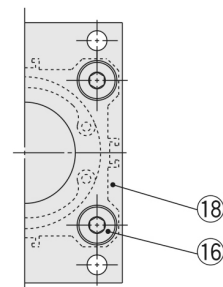
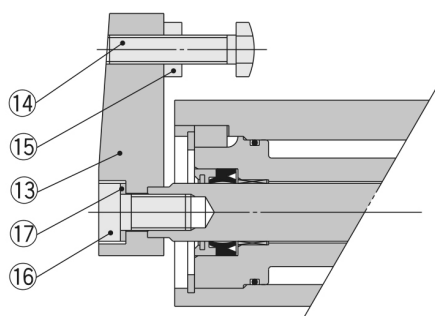


Constructions

MK2T□20 to 63

With arm (N)

Head end flange (G)



In case of clamp stroke 50 mm

Component Parts

No.	Description	Material	Note
1	Rod cover	Structural steel	Electroless nickel plated
2	Cylinder tube	Aluminium alloy	Anodic oxide coating
3	Piston	Aluminium alloy	Trivalent chromated
4	Bushing	Oil-impregnated sintered alloy Bronze casted	ø20, ø25 ø32 to ø63
5	Guide shaft	Stainless steel Structural steel	ø20, ø25: Hard chrome plated ø32 to ø63: Hard chrome plated
6	Guide roller	Structural steel	
7	Retaining ring	Steel for special applications	ø20, ø25: Phosphate coating ø32 to ø63: Zinc trivalent chromated
8	Piston rod	Stainless steel Structural steel	ø20, ø25: Hard chrome plated ø32 to ø63: Hard chrome plated
9	Bumper	Urethane	
10	Seal retainer	Aluminium alloy	Trivalent chromated
11	Magnet	—	
12	Key	Structural steel	Zinc trivalent chromated

Component Parts

No.	Description	Material	Note
13	Arm	Structural steel	Electroless nickel plated
14	Clamp bolt	Structural steel	Electroless nickel plated
15	Hexagon nut	Structural steel	Nickel plated
16	Hexagon socket head cap screw	Structural steel	Nickel plated
17	Spring washer	Steel wire	Nickel plated
18	Flange	Structural steel	Nickel plated
19	Gasket	NBR	
20	Coil scraper	Bronze	
21	Piston seal	NBR	
22	Rod seal	NBR	
23	Wear ring	Resin	
24	Bottom plate	Aluminium alloy	Anodic oxide coating
25	Retaining ring	Steel for special applications	Phosphate coating
26	Hexagon socket head cap screw (with SW)	Structural steel	Nickel plated (ø40 to ø63 only)
	Washer	Stainless steel	ø25, ø32 only
	Hexagon socket head cap screw	Structural steel	Nickel plated (ø25, ø32 only)

Additional information

Catalogue

[MK_MK2_EU.pdf](#)