

## MK-Z Rotary Clamp Cylinder, Standard w/Auto Switch Mounting Grooves MKB40TF-30RZ

Datasheet

### General series information

- Length has been reduced in comparison to MK2 and is similar in length to MK.
- Bore sizes (mm): 12, 16, 20, 25, 32, 40, 50, 63
- Compact auto switch D-M9 can be mounted on 4 sides.
- Magnetic field resistant auto switch can be used.
- 2 types of cylinder mounting are available with one body.



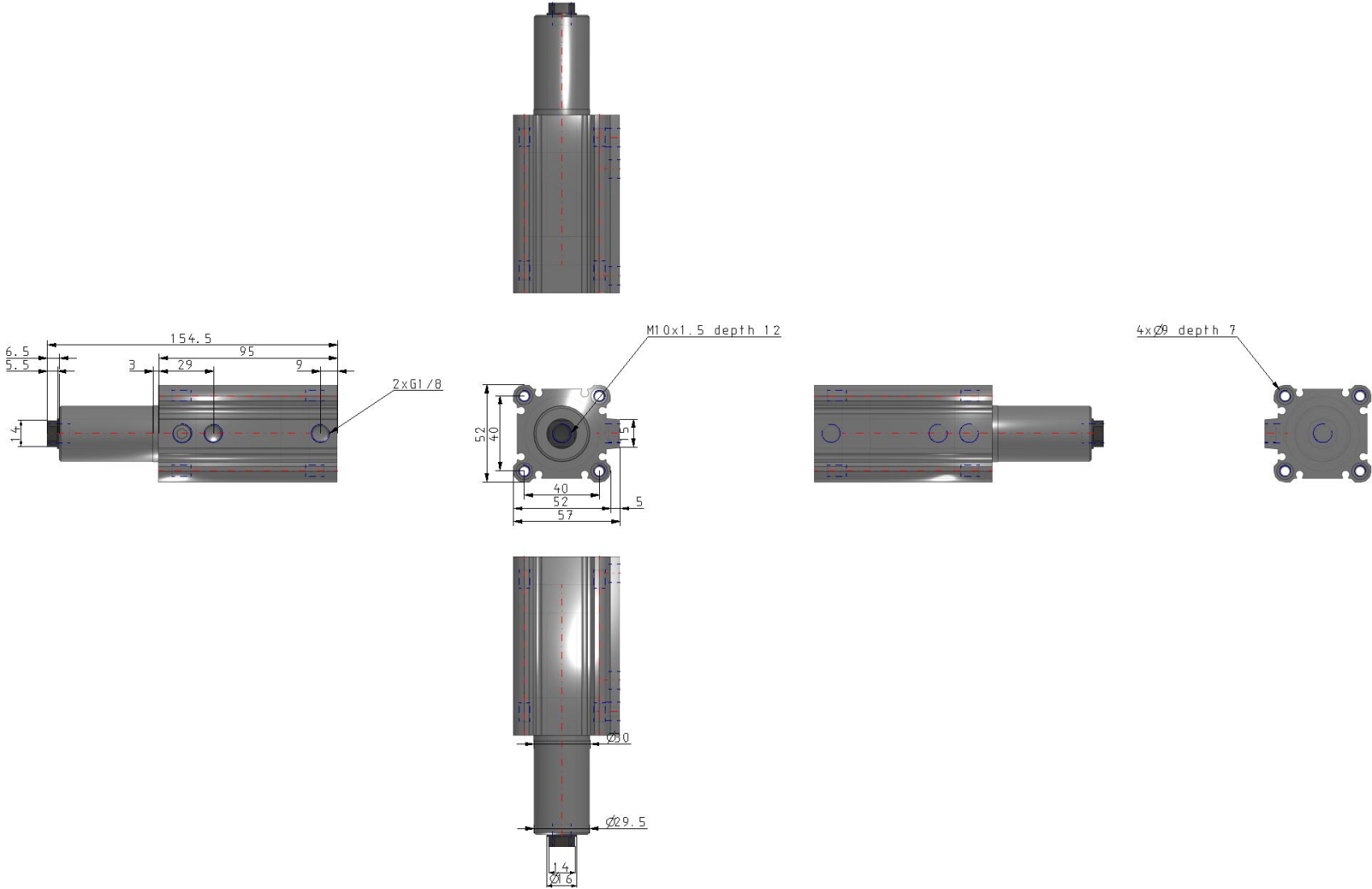
Double-acting, single-rod cylinder

### Standard specifications

Mounting	B (Through-hole/Both Ends Tapped Common, Basic)
Bore Size	Ø40 mm
Lead Wire or Prewired Connector	0.5m [Or None in the Case of No Switch]
Number	2 pcs. [Or None in the Case of No Switch]
Rotary Direction	R (Clockwise)
Port Thread	TF (G)
Clamp Stroke	30 mm
Auto Switch	No Switch
Body Option	Standard (Female Thread)
Made to Order	None
Pressure medium	Air
Maximum temperature of pressure medium	70 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-10 °C (No freezing)
Minimum temperature of pressure medium with magnet	-10 °C (No freezing)
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.1 MPa
Proof pressure	1.5 MPa

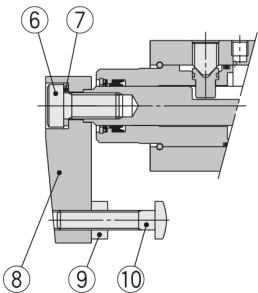
Maximum ambient temperature	70 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-10 °C (No freezing)
Minimum ambient temperature with magnet	-10 °C (No freezing)
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Pneumatic exhaust connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	628 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	528 N
Maximum piston speed	200 mm/s
Type of cushioning	Rubber bumper
Piston rod end	Female thread
Female thread of rod end	M10
Weight	0.623 Kg

Dimensions

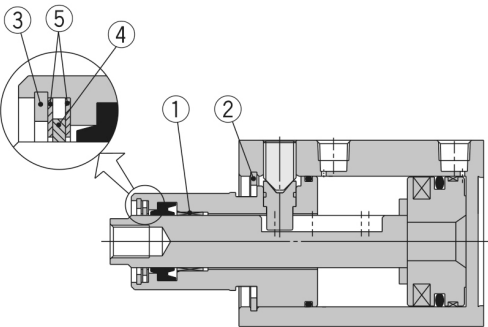


# Constructions

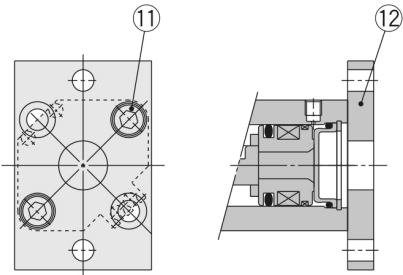
With arm (N)



New MK40 to 63



Head flange (G)



## Component Parts

No.	Description	Material	Note
1	Bushing	Copper bearing material	
2	Round R-type retaining ring	Carbon tool steel	
3	Round R-type retaining ring	Carbon tool steel	
4	Coil scraper	Phosphor bronze	
5	Scraper pressure	Stainless steel	
6	Hexagon socket head cap screw	Chromium molybdenum steel	
7	Spring washer	Hard steel	
8	Arm	Rolled steel	
9	Hexagon nut	Rolled steel	
10	Clamp bolt	Chromium molybdenum steel	
11	Hexagon socket head cap screw	Chromium molybdenum steel	ø40: 4 pcs.
12	Flange	Rolled steel	

Additional information  
Catalogue

[MK-A\\_EU.pdf](#)