



# Precision Rotary Tables R



WERKZEUGSYSTEME  
MÜLLER GMBH  
**HOFMANN**  
MESS- UND TEILTECHNIK



Dividing manually

# Manual Precision Rotary Tables R

## MAIN CHARACTERISTICS

- Manual precision rotary table with compact and space saving design. The high rigidity allows the use for machine tools as well as for measuring applications
- Table plate with diameter of 250 mm and 360° graduation scale on the table plate circumference with zero point mark on the housing
- Direct indexing possible with disengaged worm drive via 360° graduation scale on the table plate
- Backlash of worm drive easily adjustable by eccentric worm shaft bearing
- Relief of worm gear by two mechanical down hold clamps running in a notch on circumference of the table plate

## DESIGNS

- R Manual rotary table with hand wheel and micrometer dial with vernier scale
- RI Manual rotary table equipped with hole plate attachment for indirect indexing for divisions up to 50
- RD Manual rotary table equipped with a hand wheel and micrometer dial for indirect indexing and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24, after moving the worm gearing completely disengaged
- RDI Manual rotary table equipped with hole plate attachment for indirect indexing for divisions up to 50 and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24, after moving the worm gearing completely disengaged.

## ACCESSORIES

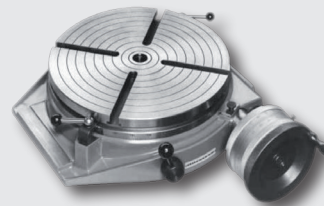
- Manual 3 jaw chucks with intermediate flange for mounting to the table plate
- Micrometer dial and hole plate attachment exchangeable
- Additional hole plate for hole plate attachment available. Together with standard hole plate all divisions from 2 to 100 and many up to 400 are possible with attached indexing table



Precision Rotary Table R



Precision Rotary Table RI

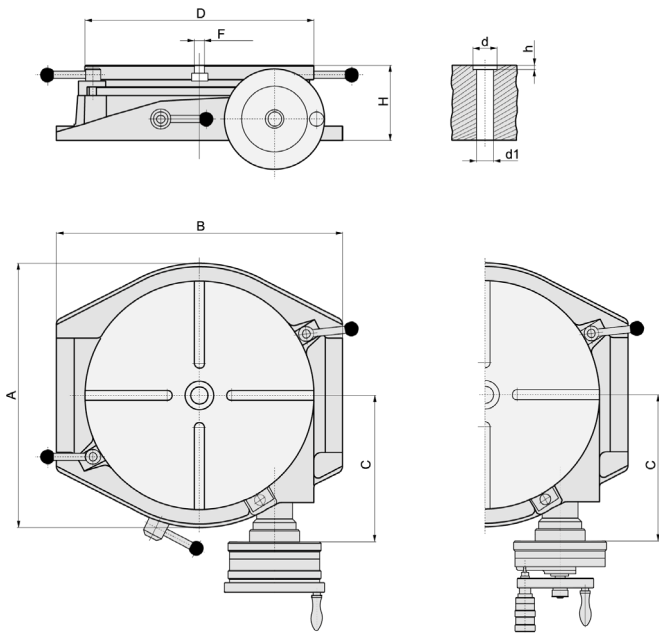


Precision Rotary Table RD



Precision Rotary Table RDI

## TECHNICAL DATA



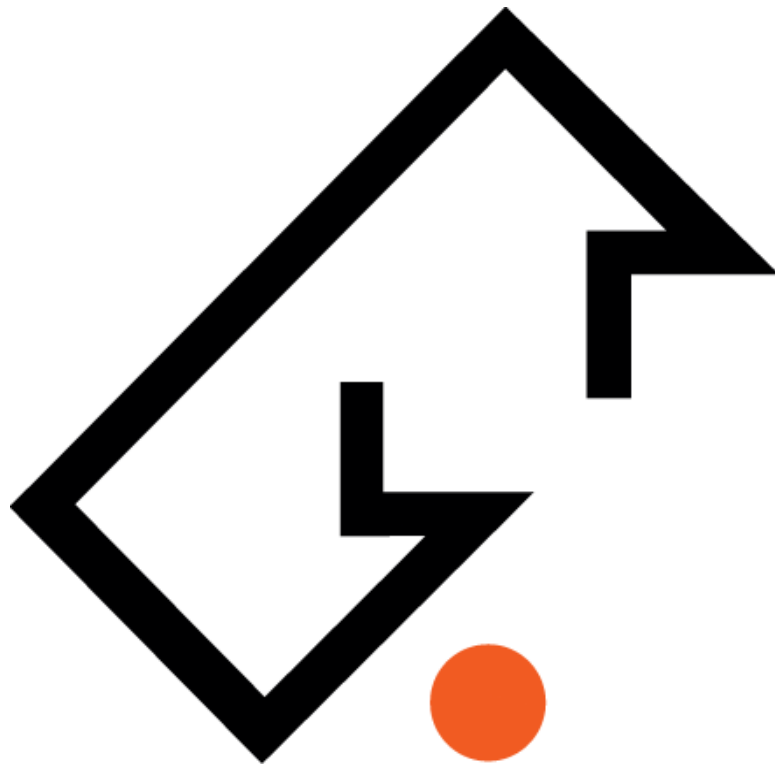
Size		250
A	(mm)	300
B	(mm)	340
C	(mm)	205
d <sup>H7</sup>	(mm)	26
d1	(mm)	20
D	(mm)	250
F <sup>H12</sup>	(mm)	12
h	(mm)	6
H	(mm)	105
No. of T-Slots	(pcs)	4
Weight	(kg)	49

## Load and performance data

Size		250
Maximum load capacity with vertical axis	(kg)	200
Maximum axial force	(kN)	30
Maximum radial force	(kN)	10
Tilting moment indexing spindle clamped	(Nm)	800
Tangential moment with clamping	(Nm)	600

## Accuracies

Size		250
Transmission ratio worm gear	(i)	90:1
Indexing accuracy indirect	(sec)	± 15
Indexing accuracy direct	(sec)	± 15
Circular runout of indexing spindle at centring bore	(mm)	0.01
Axial running of table plate surface	(mm)	0.01
Flatness of table plate surface	(mm)	0.01
Parallelism table plate to base area	(mm)	0.02



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