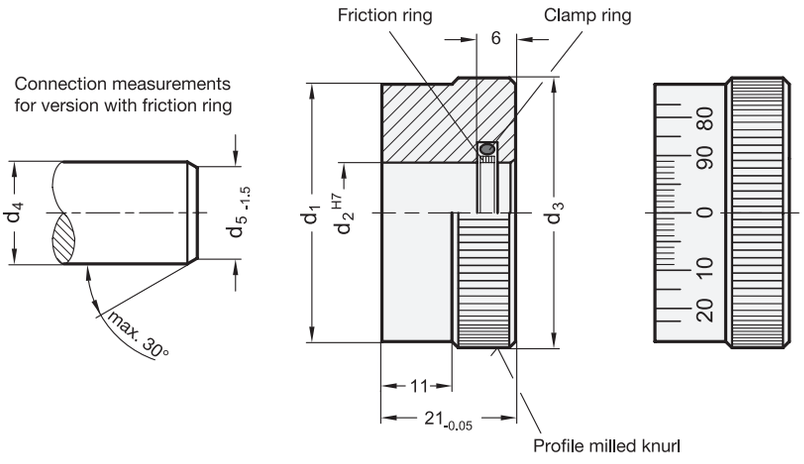
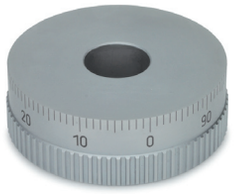


Metric



2 **Bore code**

B	Without friction ring
R	With friction ring

4 **Coding**

MCR	Matte chrome plated finish
MCRS	Matte chrome plated finish, standard scale 0...90, 100 graduations, acc. scale scheme d_1/100 A RA 0-10-20...90/10

Metric table

Dimensions in: millimeters - *inches*

1 d_1 ±0.02	3 d_2 H7 Bore		d_3	d_4 $^{-0.02}_{-0.05}$		d_5
30 *1.18*	12 *0.47*	14 *0.55*	31.7 *1.25*	12 *0.47*	14 *0.55*	10.5 *0.41*
40 *1.57*	14 *0.55*	16 *0.63*	41.3 *1.63*	14 *0.55*	16 *0.63*	12.5 *0.49*
50 *1.97*	16 *0.63*	18 *0.71*	51.8 *2.04*	16 *0.63*	18 *0.71*	14.5 *0.57*
60 *2.36*	18 *0.71*	20 *0.79*	61.4 *2.42*	18 *0.71*	20 *0.79*	16.5 *0.65*

Specification

4

- Steel
  - Profile milled knurl
  - Scale ring body d_1 fine turned
  - Plain finish (standard version) —
  - Matte chrome plated without scale **MCR**
  - Matte chrome plated with scale **MCRS**
- Scale
  Black, laser engraved
- Clamp ring
  Rubber
- Friction ring
  Polyamide
- *ISO Fundamental Tolerances → page 2129*
- RoHS compliant

On request

- Special graduations, see
  "How to Order Graduations" → *page 328*

Information

The non wearing friction ring guarantees that the scale ring revolves in unison with the shaft. This low cost solution is achieved, because no other connecting members are required.

These scale rings are available with or without scale, matte chrome plated with numbers and markings in black.

Also, these scale rings can be supplied with any type of graduation.

Regarding design, numbering position and numbering sequence of the scale please see the layout for scale rings on the order form "How to Order Graduations" → *page 328*.

see also...

- *Knurled Control Knobs GN 736.1 (Aluminum, Black Anodized Finish) → page 273*
- *Scale Rings GN 264 (with and without Scale) → www.jwwinco.com*

How to order (Scale ring without scale)

1 2 3

GN 164-40-R14

1	**Outside diameter d_1**
2	**Bore code**
3	**Bore d_2**

How to order (Scale ring with scale)

1 2 3 4

GN 164-50-R16-MCRS

1	**Outside diameter d_1**
2	**Bore code**
3	**Bore d_2**
4	**Coding**