GN 164

Scale Rings

G Ganter Norm®

Connection measurements for version with friction ring







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d ₁ ±0,02	d ₂ H7 Bore		d ₃	$d_4 {}^{-0,02}_{-0,05}$		d ₅
30	12	14	31,7	12	14	10,5
40	14	16	41,3	14	16	12,5
50	16	18	51,8	16	18	14,5
60	18	20	61,4	18	20	16,5

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Specification

Scale ring

Steel

- Profile-milled knurl
- Scale lug d₁ fine turned
- plain, without scale
- Matte chrome plated, without scale
 MCR
 Matte chrome plated, with standard scale
 MCRS
- Scale laser-engraved, black discharged

Clamp ring

Rubber	
Friction ring	
Polyamide	
RoHS	

On request

Special graduations
 (see "How to Order Graduations")

The non-wearing friction ring ensures perfect engagement of the scale ring when re-aligning the spindle. In addition it allows the setting of the scale ring on a static shaft.

Besides the standard scale (Coding MCRS) the scale rings can be supplied with any type of graduation. It is suggested to use the matt chrome plated version (MCR) so that a nice discrepancy in color is given.

Regarding design, numbering run, numbering position and numbering sequence of the scale please see the layout for scale rings on the order sheet "How to order Graduations"

see also	Page QVX
GN 736.1 Control Handwheels with Standard Scale	
GN 264 Scale Rings	QVX
Technical Information	
How to order - Graduations	QVX
ISO Fundamental Tolerances	QVX

How to order (Scale ring without scale) GN 164-40-R14		d ₁]
		Bore code	
		d ₂	
How to order (Scale ring with scale)	1	d ₁	
1984	2	Bore code	
	3	d ₂	I

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1.4 Adjusting, Positioning, Locking with and without Position Indication 13