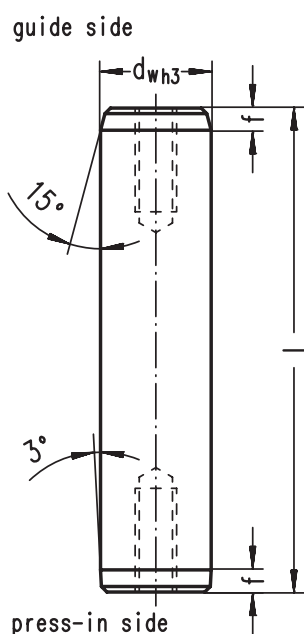


## Guide Shaft

### N 400 / N 421 / N 423 / N 425



#### Types

- N 400** Guide shaft to DIN 9825
- N 421** Guide shaft with internal thread on press-in side
- N 423** Guide shaft with internal thread on guide side
- N 425** Guide shaft with internal thread on both sides

#### Suitability

- Hardened guide shaft with precision ground surface.
- Suitable for high-precision rotary stroke bearings.
- When used with MarMotion guide bushes and ball cages, preloading is ensured.

#### Features

- Guide diameter  $d_w$  is precision ground and lapped to ISO h3,  $R_z < 1 \mu\text{m}$ .
- Roundness within 1/3 ISO-IT3.
- Straightness within  $5 \mu\text{m}/100 \text{ mm}$ .
- Ends are either rounded or have lead-in taper.
- See page 37-41 for instructions on installation and servicing.

#### Material

- Diameter  $d_w = 2.5 - 6$  material X155 CrVMo 12 1 (1.2379). Diameter  $d_w = 8 - 40$  material 100 Cr 6 (1.3505) or 16 MnCr 5 (1.7131) or comparable special roller bearing steel.
- Carefully heat-treated, hardness rating HRC 60–64/HV 720–815.
- Minimum depth of case hardness 0.8–1.5 mm depending on diameter (up to diameter  $d_w = 10$  through-hardened).

#### Special designs

- Other dimensions or designs based on workpiece drawings are available. These can also be produced using stainless steel (1.4112).

#### Order Information

Guide Shaft N 4 . . / $d_w$ /l  
**Order No. 5010 . . .**

			N 400
$d_w$	l	f	Order No.
2.5	30	1	5010000
	40		5010001
	50		5010238
	60		5010002
3	80	1.5	5010003
	30		5010229
	40		5010218
	60		5010219
4	80	1.5	5010220
	50		5010230
	60		5010004
	80		5010005
5	100	1.5	5010006
	50		5010231
	60		5010221
	80		5010222
6	100	2	5010223
	60		5010232
	80		5010007
	100		5010008
8	125	2	5010009
	140		5010207
	160		5010208
	180		5010010
10	60	3	5010233
	80		5010011
	90		5010234
	100		5010012
10	125	3	5010013
	140		5010014
	160		5010209
	180		5010210
10	200	3	5010015
	80		5010235
	100		5010016
	125		5010017
10	140	3	5010018
	160		5010019
	180		5010020
	200		5010211
10	250	3	5010021
	250		5010021