

REDRING FOR TOOL- AND MOULD-MAKING INDUSTRY

The success of a production depends largely on selecting the correct tool. Particularly with surface-threaded tools it is possible to cut steels having a **minimum tensile strength greater than 1.000 N/mm²**, both economically and with a **high quality of surface finish**.

The Redring from Neoboss is **the best tool for this application**.

Grulo-Spez-R

for blind holes up to max. 3xd

DIN 371 Art. no. 4245 bright
DIN 371 Art. no. 4245/81 TiCN
DIN 376/374 Art. no. 6245 bright
DIN 376/374 Art. no. 6245/81 TiCN

Rapid-Spez-R

for through holes

DIN 371 Art. no. 7245 nitrided
DIN 371 Art. no. 7245/81 TiCN
DIN 376/374 Art. no. 7255 nitrided
DIN 376/374 Art. no. 7255/81 TiCN

Your advantages:

- above a tensile strength of min 1.000 N/mm² – for highly stressed parts with a hardness up to 450 HB
- reliable – great tenacity and very high resistance to fracture
- economical – TiCN coating ensures a wide speed range and a smooth thread surface

Neoboss – Range of products:

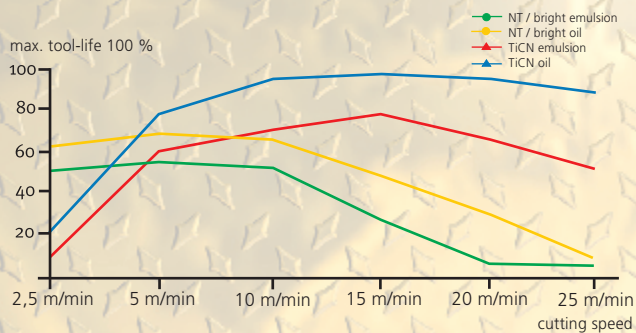
- metric ISO standard threads starting with M2
- metric ISO fine threads
- UNC threads DIN 351 / UNF threads DIN 2181
- Pipe threads DIN 228



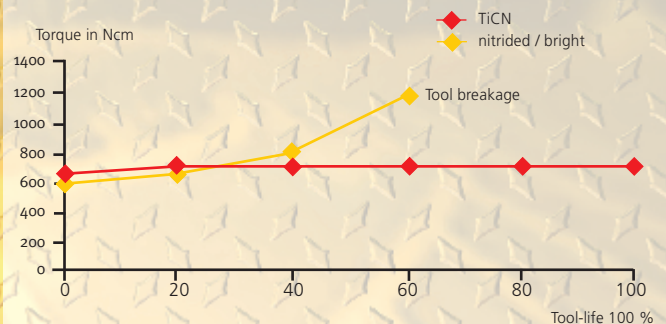
Applications – range of materials

Categories of materials	Material designation	Examples	Cutting speed v_c
Cementation steels	14 NiCr 14 34 CrNiMo 6 17 CrNiMo 6 16 MnCr 5	1.5752 1.6582 1.6587 1.7131	bright 5 - 10 (m/min) nit 5 - 10 TiCN 10 - 20
Nitriding steels	31 CrMo 12 31 CrMoV 9 39 CrMoV 13-9 34 CrAlNi 7	1.8515 1.8519 1.8523 1.8550	bright 5 - 10 nit 5 - 10 TiCN 10 - 20
Heat-treatable steels	30 CrNiMo 8 34 Cr 4 25 CrMo 4 42 CrMo 4	1.6580 1.7033 1.7218 1.7225	bright 5 - 10 nit 5 - 10 TiCN 10 - 20
Heat-resistant steels	X 6 CrNiMo 8 X 20 CrMoV 12 1 X 6 CrNi 18 11 X 5 NiCrTi 26 15	1.4919 1.4922 1.4948 1.4980	bright 5 - 10 nit 5 - 10 TiCN 10 - 20
Tool steels	100 Cr 6 X 155 CrVMo 12-1 55 NiCrMoV 6 56 NiCrMoV 7	1.2067 1.2379 1.2713 1.2714	bright 5 - 10 nit 5 - 10 TiCN 10 - 20

Tool-life in steel with a tensile strength of approx. 1200 N/mm² with various surface-treatments and cooling-lubrifications



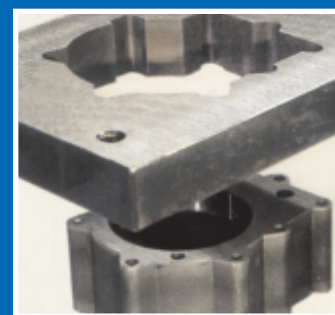
Steels above 1000 N/mm²
Comparison of torque – Dimension M8,
 $v_c = 10$ m/min, TiCN-nitrided, bright



Redring in the production of tool-holders



Redring in the production of tools for injection moulding



Redring in press-tool manufacturing