

GOLDRING FOR SPECIFIC MATERIALS

Being a specialist for taps, the technical progress is a permanent challenge for Neoboss tools. One result is the creation of a **new high-quality Neoboss product, the Goldring tap**. Its field of application starts when economical working with the Greenring and the Redring tap is no longer possible, for instance in the following materials:

--- Hardened steels --- Wear-resistant steels --- Nickel alloys --- Chilled cast iron

These types of materials, being very hard and abrasive, are marking **high demands on the taps**. The geometry of the cutting edges and the surface of the tap are adapted to the needs of this special stock removal characteristics. With appropriate operating conditions, **this tap meets all your requirements for special materials and applications.**

Rapid-S-Goldring TiCN PM

Art. no. 7850/81 DIN 371

Art. no. 7880/81 DIN 374/376

RSP-Special-S-Goldring TiN PM

Art. no. 4890/80 DIN 371

Art. no. 6890/80 DIN 374/376

Your advantages:

- suitable for alloyed and unalloyed steels with a tensile strength up to max. 1.400 N/mm² (Rapid S up to max. 1.600 N/mm²)
- extended tool life with powder metal (PM-steel)

Neoboss – Range of products:

- standard metric ISO thread
- metric ISO fine pitch thread
- other standard and special taps upon request



Material examples

→ INCONEL 718

NiCr19FeNbMo

2.4668

19% Chromium,
3% Molybdenum,
52% Nickel

→ NIMONIC 75

Ni-Cr20Ti

2.4630

19,5% Chromium,
75% Nickel

→ WASPALOY

NiCr20Co14MoTi

2.4654

13,5% Cobalt,
20% Chromium,
4,5% Molybdenum,
55% Nickel

→ MONEL400

NiCu30Fe

2.4654

66% Nickel,
32% Copper

→ HARDOX500

Wear-resistant
laminations with a
hardness 450-500 HB

Application area:
Skip, dredger bucket,
chain wheels, etc.

→ AMPC025

Bronze with very high
hardness (375 HB),
pressure resistance
and abrasion resistan-
ce. Application area:
Forming die,
tracks, etc.

Cutting speed / Coolant

→ **TiCN-coated**
2-4 m/min
Special cutting oil

→ **TiN-coated**
2-4 m/min
Special cutting oil



Workpiece: Pump element
Material group: Nickel alloys
Cutting property: hard
Material: Inconel 718 NiCr19Fe19NbMo
V_c: 3m/min
Tool life: 450 threads
Art. no.: 4890 M6 6H

