

TURBO 8000 ORANGERING HIGH-POWER MACHINE TAP

High performance tap made of powder metal, for universal applications in various types of materials (unalloyed steels with a tensile strength of up to 1.000 N/mm², grey cast iron, nodular cast iron, as well as aluminium and copper alloys). This tool offers a high-precision shank H6 and weldon slots, as well as true running accuracy for usage in hydraulic collet-chucks and in shrink chucks with a cutting speed up to **V_c = 80m**. And this all is possible for a machine depth of **up to 3xd**.

With the Neoboss-Orangering, you will have **very short processing time**, leading to higher capacity utilisation and reduction of costs. When used in CNC-lathe-machines with synchronized spindles, the combination of high-grade powder metal steel and the highly efficient surface coating TIALN results in a **considerably prolonged tool life**.

Rapid-Turbo PM

DIN1835 B Art.-No. 7650/70 TIALN
Upon request with IKZ/KR

Grulo-Turbo PM

DIN1835 B Art.-No. 6650/70 TIALN
DIN1835 B Art.-No. B6650/70 TIALN
(IKZ/KA)

Your advantages:

- very short working times
- universal usage
- enormous tool-life
- high true running accuracy
- can be used in shrink chucks

Neoboss – Range of products:

- metric ISO standard threads
- metric ISO fine threads
- other standards and special taps on request



Dimensions / Technical details



--- Rapid 7650/70



--- Grulo 6650/70



--- GRULO with IKZ/KA B6650/70



Metric ISO standard thread

d ₁	P (mm)	L ₁	L ₂	L ₃	d ₂
M 5	0,80	75	10,40	24	6
M 6	1,00	80	10,50	26	6
M 8	1,25	90	13,20	34	8
M 10	1,50	100	15,80	41	10
M 12	1,75	110	18,40	48	12
M 16	2,00	110	21,00	58	16



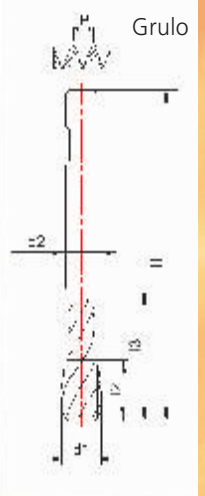
Metric ISO standard thread

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M 10	1,50	100	18,80	41	10
M 12	1,75	110	21,90	48	12
M 16	2,00	110	25,00	58	16



Metric ISO standard thread with internal cooling (IKZ/KA)

d ₁	P (mm)	L ₁	L ₂	L ₃	d ₂	IKZ
M 8	1,25	90	13,20	34	8	KA
M 10	1,50	100	15,80	41	10	KA
M 12	1,75	110	18,40	48	12	KA
M 16	2,00	110	21,00	58	16	KA



Metric ISO fine thread

d ₁	P (mm)	L ₁	L ₂	L ₃	d ₂
M 8	1,00	90	10,50	34	8
M 10	1,00	100	10,50	41	10
M 12	1,50	110	15,80	48	12
M 14	1,50	110	15,80	52	14
M 16	1,50	110	15,80	58	16



Metric ISO fine thread

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M 10	1,00	100	10,50	41	10	KA
M 12	1,50	110	15,80	48	12	KA
M 14	1,50	110	15,80	52	14	KA
M 16	1,50	110	15,80	58	16	KA

