

**Garant****Machine tap, nitrided, Tr: TR20X4****Order data**

Order number	133490 TR20X4
GTIN	4045197533081
Item class	11H

**Description****Version:****Profile correct for NC**, with divided envelope cut.**Lead chamfer:**  $\approx 20$  turns. **With 25° left-hand flutes**, right-hand cutting.**Advantage:****Suitable for reversing.****Note:****For use on synchronised spindles.**

The lead must be machine driven.

**Technical description**

Number of clamping slots	3
Thread pitch	4 mm
Number of cutting edges Z	3
Tapping hole $\varnothing$	16.25 mm
Shank $\varnothing D_s$	16 mm
Overall length L	195 mm
Shank square $\square$	12 mm
Thread depth	24.37 mm
Thread size	20
Coating	nitrided
Thread type	TR

Flank angle	30 degrees
Tool material	HSS E
Standard	Manufacturer's standard
Tolerance class	DIN 103 7H
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 1.5xD for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	7 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	7 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	5 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	3 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	3 m/min	M
GG(G)	suitable	7 m/min	K
CuZn	suitable	7 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		