

Garant
Machine tap extra long HSS-E-PM, vaporised, M: M20

Order data

Order number	131765 M20
GTIN	4045197532077
Item class	11H

Description
Version:
Spiral point with oil grooves.
Guide section with oil grooves, but without chip flutes.

With extra long shank..
All sizes: Shank to DIN 376 (= shank Ø relieved); means it is highly suitable for use at great depths as a **universal tap**.

Advantage:

Designed for tapping threads where access is difficult.

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2 6H

Thread pitch: 2.5 mm

Overall length L: 280 mm

 Shank Ø D_s: 16 mm

Shank square □: 12 mm

Tapping hole Ø: 17.5 mm

Technical description

Thread Ø	20 mm
Number of cutting edges Z	4
Number of clamping slots	4
Thread pitch	2.5 mm
Tapping hole Ø	17.5 mm

Standard	Manufacturer's standard
Shank $\varnothing D_s$	16 mm
Overall length L	280 mm
Shank square \square	12 mm
Tolerance class	ISO 2 6H
Tool material	HSS E PM
Thread depth	60 mm
Thread type	M
Thread size	M20
Coating	vaporised
Flank angle	60 °
Thread standard	DIN 13
Taper lead form	B
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D 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_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	24 m/min	N
Steel < 500 N/mm ²	suitable	21 m/min	P
Steel < 750 N/mm ²	suitable	21 m/min	P
Steel < 900 N/mm ²	suitable	21 m/min	P
Steel < 1100 N/mm ²	suitable	9 m/min	P

INOX < 900 N/mm ²	suitable	8 m/min	M
CuZn	suitable only under restricted conditions	18 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable only under restricted conditions		