

Garant**Machine tap HSS-E-PM, uncoated, M: M20****Order data**

Order number	134620 M20
GTIN	4045197075673
Item class	11H

Description**Version:**

HSS-E-PM steel for high wear resistance and **strong right-hand chip flutes**, for optimum chip evacuation.

Technical description

Thread \varnothing	20 mm
Number of cutting edges Z	4
Thread pitch	2.5 mm
Tapping hole \varnothing	17.5 mm
Number of clamping slots	4
Standard	DIN 376
Shank $\varnothing D_s$	16 mm
Overall length L	140 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	uncoated
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for conventional machining
Colour ring	without
Type of product	Tap

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	15 m/min	N
Steel < 500 N/mm ²	suitable	18 m/min	P
Steel < 750 N/mm ²	suitable	18 m/min	P
Steel < 900 N/mm ²	suitable	18 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	9 m/min	P
Oil	suitable		
wet maximum	suitable only under restricted conditions		