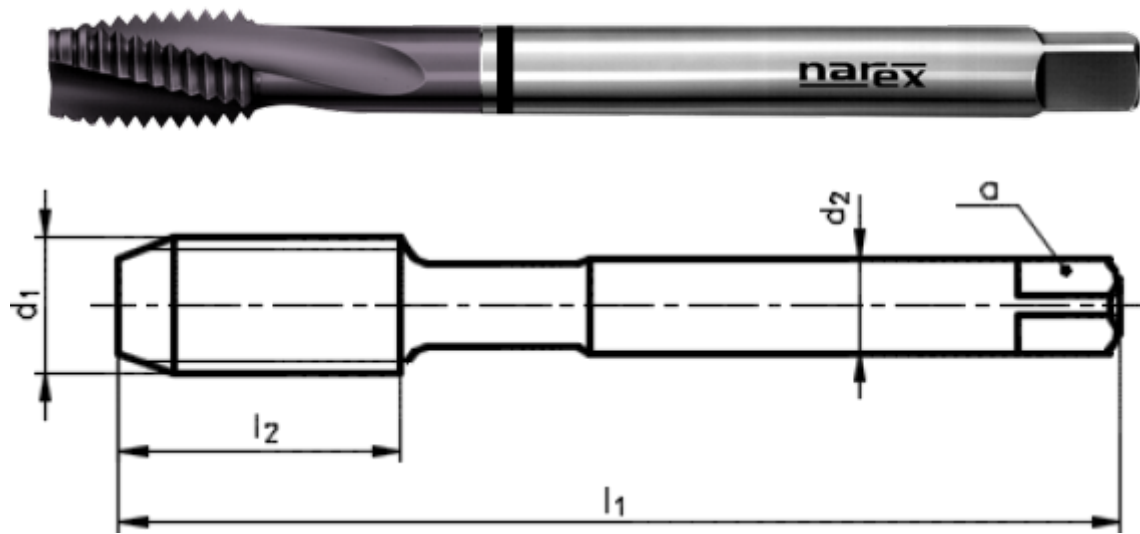


# Machine tap with right-hand spiral flutes 15°

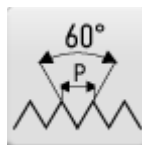


## CATALOGUE NUMBER: 4820

Machine tap with spiral flute, metric, DIN 376, Futura Nano Top coated, suitable for short chipping high-alloyed and heat-treated steels



**THREAD M**  
ISO Metric coarse thread



**PROFILE SKETCH**  
60°



**THREAD STANDARD**  
DIN13



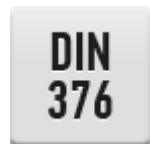
**TYPE H**  
Tap for steels up to 1400 N/mm<sup>2</sup>



**TAP MATERIAL**  
Powder high speed steel



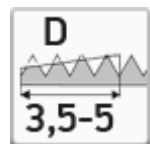
**COATING**  
Balinit® Futura Nano Top coating (titanium aluminiumnitride)



**TAP STANDARD**  
DIN 376



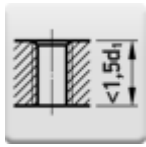
**THREAD TOLERANCE**  
ISO 2 - 6H



**CHAMFER D**  
Length 3,5-5 pitch



**SPIRAL FLUTE ANGLE**  
15°



#### HOLE TYPE

Through hole (thread length  $L < 1,5 \times d1$ )

## Select product model

ID	D1	P	Tolerance	l1	l2	d2	a	Price excl. VAT	Price incl. VAT
041536372120000	M12	1,75	6H	110	18	9	7	42.85 EUR	51.85 EUR

## Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Heat-treated steels up to 1400 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5 \times d1$ )	4-8	Cutting oil for high resistance steels	Recommended use
Heat-treated steels up to 1400 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 \times d1$ , pilot drilling depth $\geq L + d1$ )	4-8	Cutting oil for high resistance steels	Recommended use
High-alloyed steels up to 1400 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 \times d1$ , pilot drilling depth $\geq L + d1$ )	3-6	Cutting oil for high resistance steels	Possible use
High-alloyed steels up to 1400 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5 \times d1$ )	3-6	Cutting oil for high resistance steels	Possible use

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