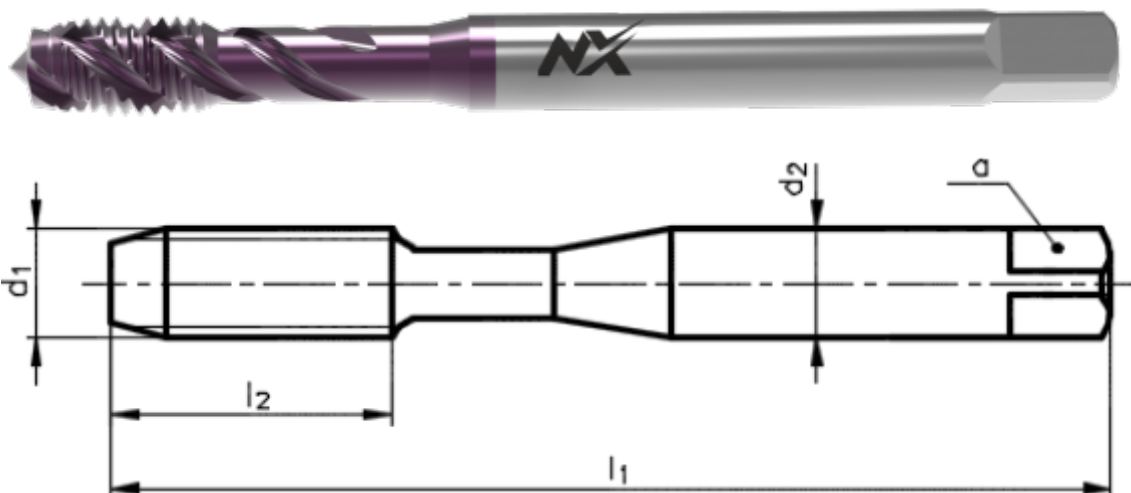


# Machine tap with right-hand spiral flutes 40°

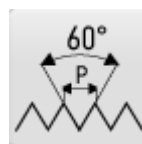


## CATALOGUE NUMBER: 2070NX

High precision machine tap with 40° spiral, metric, DIN 371, TiAlN coated, suitable for structural steels, cast steels, free cutting steels, spheroidal and malleable cast iron, long chipping copper alloys.



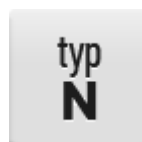
**THREAD M**  
ISO Metric coarse thread



**PROFILE SKETCH**  
60°



**THREAD STANDARD**  
DIN13



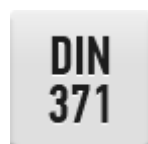
**TYPE N**  
Tap for steels up to 800 N/mm2



**TAP MATERIAL**  
Vanadium extra high speed steel HSSE V3



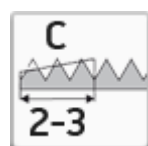
**COATING**  
TiAlN



**TAP STANDARD**  
DIN 371



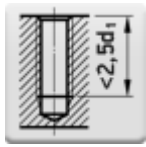
**THREAD TOLERANCE**  
ISO 2 - 6H



**CHAMFER C**  
Length 2-3 pitch



**SPIRAL FLUTE ANGLE**  
40°



#### HOLE TYPE

Blind hole (thread length  $< 2,5 d_1$ )

## Select product model

ID	D1	P	Tolerance	I1	I2	d2	a	Price excl. VAT	Price incl. VAT
042036118030000	M3	0,5	6H	56	5	3,5	2,7	28.80 EUR	34.85 EUR
042036118040000	M4	0,7	6H	63	7	4,5	3,4	28.80 EUR	34.85 EUR
042036118050000	M5	0,8	6H	70	8	6	4,9	29.85 EUR	36.12 EUR
042036118060000	M6	1	6H	80	10	6	4,9	29.85 EUR	36.12 EUR
042036118080000	M8	1,25	6H	90	13	8	6,2	39.30 EUR	47.55 EUR
042036118100000	M10	1,5	6H	100	15	10	8	46.90 EUR	56.75 EUR

## Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Free cutting steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5d_1$ )	12-15	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	12-15	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	12-15	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5xd_1$ )	10-12	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	10-12	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	10-12	Cutting Oil/Emulsion	Recommended use

<b>MACHINED MATERIAL</b>	<b>HOLE TYPE</b>	<b>CUTTING SPEED</b>	<b>LUBRICATION</b>	<b>USE</b>
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length < 1,5 d <sub>1</sub> , pilot drilling depth ≥ L+d <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length L < 1,5xd <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length L < 2xd <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length L < 1,5xd <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length L < 2xd <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length < 1,5 d <sub>1</sub> , pilot drilling depth ≥ L+d <sub>1</sub> )	12-15	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length < 1,5 d <sub>1</sub> , pilot drilling depth ≥ L+d <sub>1</sub> )	10-12	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length L < 2xd <sub>1</sub> )	10-12	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length L < 1,5xd <sub>1</sub> )	10-12	Cutting Oil/Emulsion	Recommended use

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