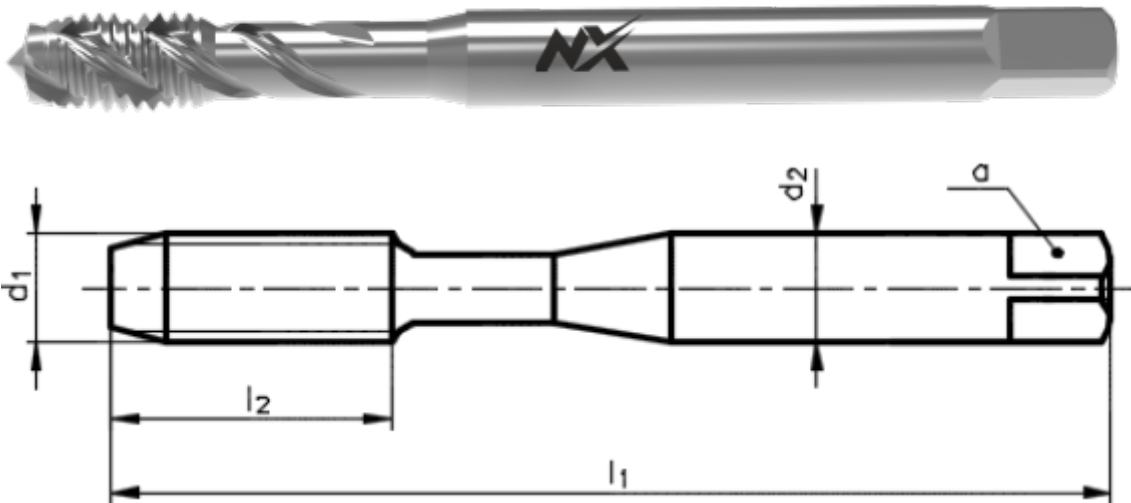


# Machine tap with right-hand spiral flutes 40°

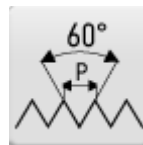


**CATALOGUE NUMBER: 2050NX**

High precision machine tap with 40° spiral, metric, DIN 371, suitable for structural steels, cast steels, free cutting steels, spheroidal and malleable cast iron, aluminium alloys Si<10 %, long chipping copper alloys.



**THREAD M**  
ISO Metric coarse thread



**PROFILE SKETCH**  
60°



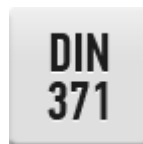
**THREAD STANDARD**  
DIN13



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



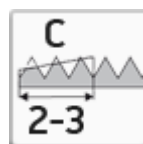
**TAP MATERIAL**  
Vanadium extra high speed steel HSSE V3



**TAP STANDARD**  
DIN 371



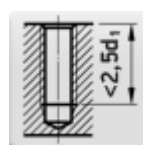
**THREAD TOLERANCE**  
ISO 2 - 6H



**CHAMFER C**  
Length 2-3 pitch



**SPIRAL FLUTE ANGLE**  
40°



**HOLE TYPE**  
Blind hole (thread length < 2,5 d1)

# Select product model

ID	D1	P	Tolerance	I1	I2	d2	a	Price excl. VAT	Price incl. VAT
042031118030000	M3	0,5	6H	56	5	3,5	2,7	20.45 EUR	24.74 EUR
042031118040000	M4	0,7	6H	63	7	4,5	3,4	20.45 EUR	24.74 EUR
042031118050000	M5	0,8	6H	70	8	6	4,9	22.00 EUR	26.62 EUR
042031118060000	M6	1	6H	80	10	6	4,9	22.00 EUR	26.62 EUR
042031118080000	M8	1,25	6H	90	13	8	6,2	30.05 EUR	36.36 EUR
042031118100000	M10	1,5	6H	100	15	10	8	35.10 EUR	42.47 EUR

## Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Aluminium alloys si content < 10%	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$ )	8-10	Cutting Oil/Emulsion	Possible use
Aluminium alloys si content < 10%	blind hole (thread length $L < 1,5xd1$ )	8-10	Cutting Oil/Emulsion	Possible use
Aluminium alloys si content < 10%	blind hole (thread length $L < 2xd1$ )	8-10	Cutting Oil/Emulsion	Possible use
Aluminium alloys si content > 10%	blind hole (thread length $L < 1,5xd1$ )	8-10	Cutting Oil/Emulsion	Possible use
Aluminium alloys si content > 10%	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$ )	8-10	Cutting Oil/Emulsion	Possible use
Aluminium alloys si content > 10%	blind hole (thread length $L < 2xd1$ )	8-10	Cutting Oil/Emulsion	Possible use
Free cutting steels up to 800 N/mm2	blind hole (thread length $L < 1,5xd1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm2	blind hole (thread length $L < 2xd1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm2	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 500 N/mm2	blind hole (thread length $L < 1,5xd1$ )	8-10	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 500 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	8-10	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 $\geq L+d_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Plain cast steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $L < 2xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $L < 1,5xd_1$ )	8-10	Cutting Oil/Emulsion	Recommended use
Unalloyed aluminium	blind hole (thread length $L < 1,5xd_1$ )	8-10	Cutting Oil/Emulsion	Possible use
Unalloyed aluminium	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	8-10	Cutting Oil/Emulsion	Possible use
Unalloyed aluminium	blind hole (thread length $L < 2xd_1$ )	8-10	Cutting Oil/Emulsion	Possible use