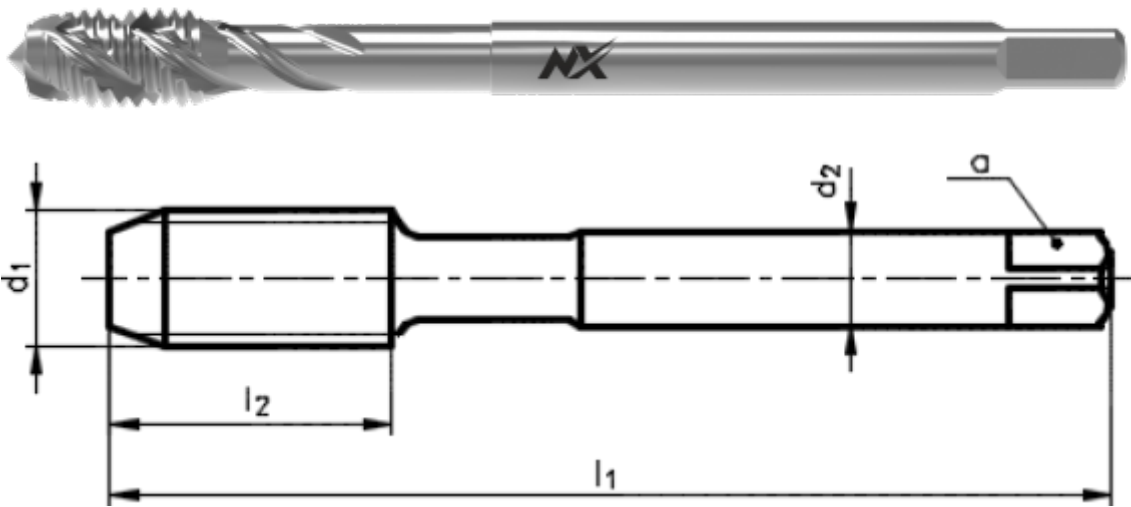


Machine tap with right-hand spiral flutes 40°

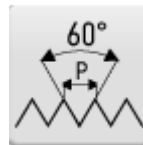


CATALOGUE NUMBER: 4050NX

High precision machine tap with 40° spiral, metric, DIN 376, suitable for structural steels, cast steels, free cutting steels, spheroidal and malleable cast iron, aluminium alloys Si<10 %, long chipping copper alloys.



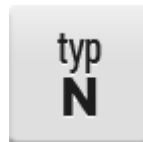
THREAD M
ISO Metric coarse thread



PROFILE SKETCH
60°



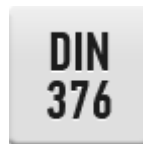
THREAD STANDARD
DIN13



TYPE N
Tap for steels up to 800 N/mm2



TAP MATERIAL
Vanadium extra high speed steel HSSE V3



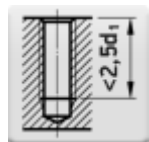
TAP STANDARD
DIN 376



THREAD TOLERANCE
ISO 2 - 6H



SPIRAL FLUTE ANGLE
40°



HOLE TYPE
Blind hole (thread length <math>< 2,5 d_1</math>)

Select product model

ID	D1	P	Tolerance	I1	I2	d2	a	Price excl. VAT	Price incl. VAT
042031318120000	M12	1,75	6H	110	18	9	7	45.65 EUR	55.24 EUR
042031318140000	M14	2	6H	110	20	11	9	57.05 EUR	69.03 EUR
042031318160000	M16	2	6H	110	20	12	9	62.95 EUR	76.17 EUR
042031318180000	M18	2,5	6H	125	25	14	11	90.85 EUR	109.93 EUR
042031318200000	M20	2,5	6H	140	25	16	12	93.40 EUR	113.01 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 $L < 2xd1$)	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 $L < 2xd1$)	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 $L < 1,5xd1$)	8-10	Cutting Oil/Emulsion	Possible 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 $L < 1,5xd1$)	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 < 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 $L < 2xd1$)	8-10	Cutting Oil/Emulsion	Recommended use

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

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