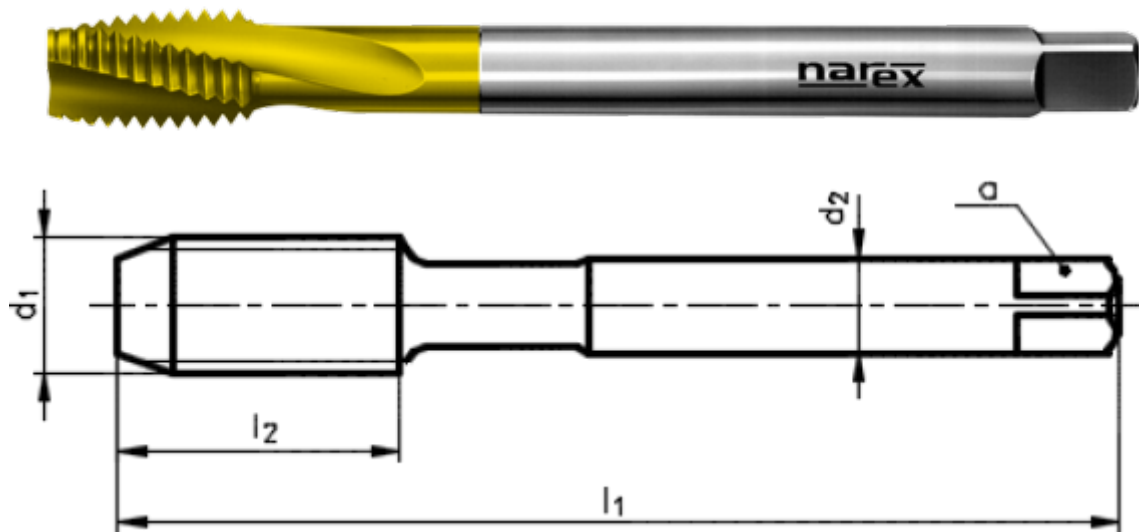


Machine tap with right-hand spiral flutes 15°

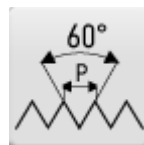


CATALOGUE NUMBER: 4410

Machine tap with spiral flute, metric and metric fine, DIN 376, DIN 374, TiN coated, suitable for structural and heat-treated steels in natural condition, spheroidal and malleable cast iron and short chipping copper alloys.



THREAD M
ISO Metric coarse thread



PROFILE SKETCH
60°



THREAD STANDARD
DIN13



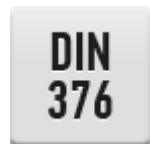
TYPE N
Tap for steels up to 800 N/mm²



TAP MATERIAL
Super high speed steel



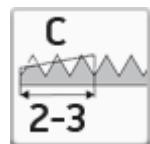
COATING
Titanium nitride coating



TAP STANDARD
DIN 376



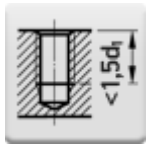
THREAD TOLERANCE
ISO 2 - 6H



CHAMFER C
Length 2-3 pitch



SPIRAL FLUTE ANGLE
15°



HOLE TYPE

Blind hole (thread length < 1,5 d1)

Select product model

ID	D1	P	Tolerance	l1	l2	d2	a	Price excl. VAT	Price incl. VAT
041535312030000	M3	0,5	6H	56	5	2,2	-	14.70 EUR	17.79 EUR
041535312040000	M4	0,7	6H	63	7	2,8	2,1	15.05 EUR	18.21 EUR
041535312050000	M5	0,8	6H	70	8	3,5	2,7	15.20 EUR	18.39 EUR
041535312060000	M6	1	6H	80	10	4,5	3,4	15.20 EUR	18.39 EUR
041535312080000	M8	1,25	6H	90	13	6	4,9	16.80 EUR	20.33 EUR
041535312100000	M10	1,5	6H	100	15	7	5,5	21.00 EUR	25.41 EUR
041535312120000	M12	1,75	6H	110	18	9	7	24.40 EUR	29.52 EUR
041535312140000	M14	2	6H	110	20	11	9	30.70 EUR	37.15 EUR
041535312160000	M16	2	6H	110	20	12	9	33.60 EUR	40.66 EUR
041535312180000	M18	2,5	6H	125	25	14	11	48.40 EUR	58.56 EUR
041535312200000	M20	2,5	6H	140	25	16	12	50.05 EUR	60.56 EUR
041535312240000	M24	3	6H	160	30	18	14,5	63.80 EUR	77.20 EUR

Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Copper alloys (short chipping)	blind hole (thread length L < 1,5xd1)	12-20	Cutting Oil/Emulsion	Recommended use
Copper alloys (short chipping)	blind hole (thread length L < 2xd1)	12-20	Cutting Oil/Emulsion	Recommended use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Copper alloys (short chipping)	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$)	12-20	Cutting Oil/Emulsion	Recommended use
Copper alloys (short chipping)	blind hole (thread length $L < 2,5d1$)	12-20	Cutting Oil/Emulsion	Recommended use
Spheroidal graphite cast iron and malleable cast iron	blind hole (thread length $L < 2xd1$)	4-7	Emulsion	Possible use
Spheroidal graphite cast iron and malleable cast iron	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$)	4-7	Emulsion	Possible use
Spheroidal graphite cast iron and malleable cast iron	blind hole (thread length $L < 2,5xd1$)	4-7	Emulsion	Possible use
Spheroidal graphite cast iron and malleable cast iron	through hole (thread length $L > 1,5xd1$)	4-7	Emulsion	Possible use
Spheroidal graphite cast iron and malleable cast iron	blind hole (thread length $L < 1,5xd1$)	4-7	Emulsion	Possible use
Spheroidal graphite cast iron and malleable cast iron	through hole (thread length $L < 1,5xd1$)	4-7	Emulsion	Possible use
Structural steels and heat-treated steels up to 800 N/mm ²	blind hole (thread length $L < 1,5xd1$)	8-12	Cutting Oil/Emulsion	Recommended use
Structural steels and heat-treated steels up to 800 N/mm ²	blind hole (thread length < 1,5 d1, pilot drilling depth $\geq L+d1$)	8-12	Cutting Oil/Emulsion	Recommended use

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