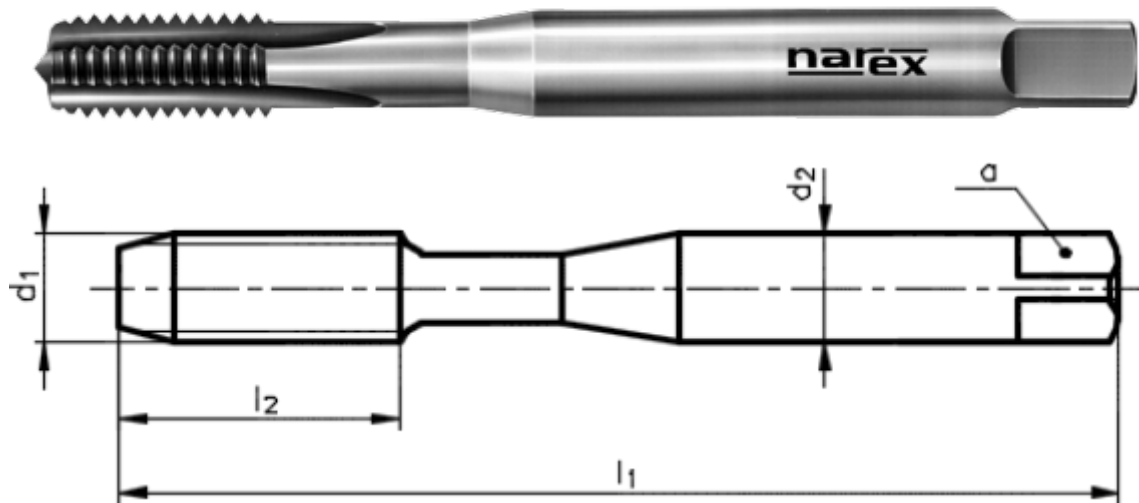


# Machine tap with straight flutes

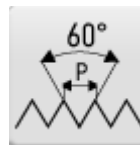


## CATALOGUE NUMBER: 1000EG

Machine tap with straight flute for wire thread inserts, metric, DIN 40435, suitable for structural steels, free cutting steels, short chipping copper alloys, grey cast iron, aluminium alloys with Si>10 %



**THREAD EG-M**  
ISO Metric coarse thread for wire thread inserts



**PROFILE SKETCH**  
60°



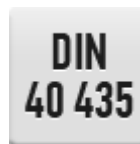
**THREAD STANDARD**  
DIN 8140/2



**TYPE N**  
Tap for steels up to 800 N/mm<sup>2</sup>



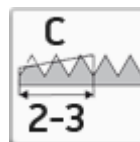
**TAP MATERIAL**  
Super high speed steel



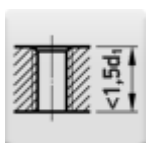
**TAP STANDARD**  
DIN 40435



**THREAD TOLERANCE**  
ISO 2 - 6H mod



**CHAMFER C**  
Length 2-3 pitch



**HOLE TYPE**  
Through hole (thread length  $L < 1,5d_1$ )

# Select product model

ID	D1	P	Tolerance	I1	I2	d2	a	Price excl. VAT	Price incl. VAT
041831020030000	EG-M3	0,5	6H	63	11	4,5	3,4	Ask for price	
041831020035000	EG-M3,5	0,6	6H	70	12	6	4,9	Ask for price	
041831020040000	EG-M4	0,7	6H	70	12	6	4,9	Ask for price	
041831020050000	EG-M5	0,8	6H	80	13	6	4,9	Ask for price	
041831020060000	EG-M6	1	6H	90	15	8	6,2	Ask for price	
041831020080000	EG-M8	1,25	6H	100	18	10	8	Ask for price	

## Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Aluminium alloys si content > 10%	through hole (thread length $L < 1,5 \times d1$ )	12-15	Emulsion	Possible use
Copper alloys (short chipping)	blind hole (thread length $< 1,5 \times d1$ , pilot drilling depth $\geq L+d1$ )	10-15	Cutting Oil/Emulsion	Recommended use
Copper alloys (short chipping)	through hole (thread length $L < 1,5 \times d1$ )	10-15	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 \times d1$ , pilot drilling depth $\geq L+d1$ )	8-10	Cutting Oil/Emulsion	Possible use
Free cutting steels up to 800 N/mm <sup>2</sup>	through hole (thread length $L < 1,5 \times d1$ )	8-10	Cutting Oil/Emulsion	Possible use
Grey cast iron	blind hole (thread length $< 1,5 \times d1$ , pilot drilling depth $\geq L+d1$ )	7-10	Emulsion	Possible use
Grey cast iron	blind hole (thread length $L < 2 \times d1$ )	7-10	Emulsion	Possible use
Grey cast iron	through hole (thread length $L < 1,5 \times d1$ )	7-10	Emulsion	Possible use
Grey cast iron	blind hole (thread length $L < 1,5 \times d1$ )	7-10	Emulsion	Possible use
Grey cast iron	through hole (thread length $L > 1,5 \times d1$ )	7-10	Emulsion	Possible use

<b>MACHINED MATERIAL</b>	<b>HOLE TYPE</b>	<b>CUTTING SPEED</b>	<b>LUBRICATION</b>	<b>USE</b>
Grey cast iron	blind hole (thread length $L < 2,5d_1$ )	7-10	Emulsion	Possible use
Structural steels up to 500 N/mm <sup>2</sup>	blind hole (thread length $< 1,5 d_1$ , pilot drilling depth $\geq L+d_1$ )	4-6	Cutting Oil/Emulsion	Possible use
Structural steels up to 500 N/mm <sup>2</sup>	through hole (thread length $L < 1,5d_1$ )	4-6	Cutting Oil/Emulsion	Possible use

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