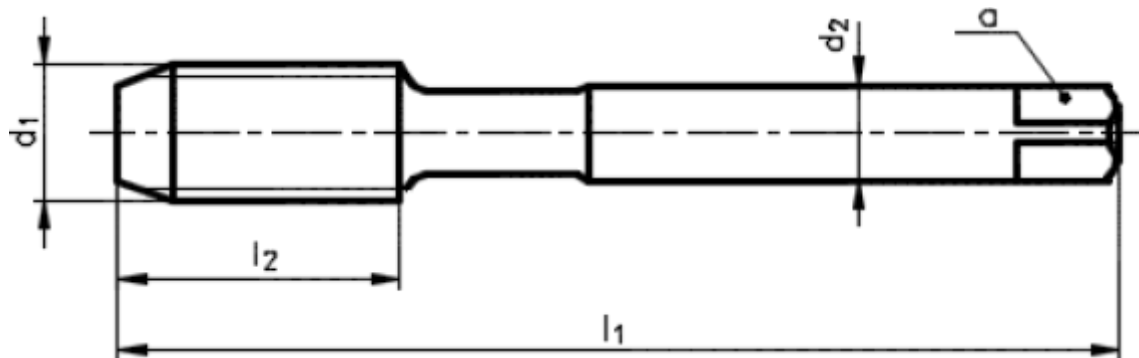


Machine tap with straight flutes

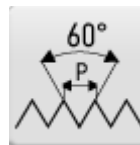


CATALOGUE NUMBER: 3000EG

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



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



PROFILE SKETCH
60°



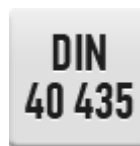
THREAD STANDARD
DIN 8140/2



TYPE N
Tap for steels up to 800 N/mm²



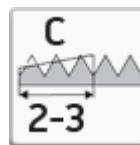
TAP MATERIAL
Super high speed steel



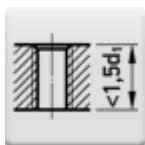
TAP STANDARD
DIN 40435



THREAD TOLERANCE
ISO 2 - 6H mod



CHAMFER C
Length 2-3 pitch



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

Select product model

ID	D1	P	Tolerance	l1	l2	d2	a	Price excl. VAT	Price incl. VAT
041831220100000	EG-M10	1,5	6H	100	20	9	7	Ask for price	
041831220120000	EG-M12	1,75	6H	110	23	11	9	Ask for price	
041831220140000	EG-M14	2	6H	110	25	12	9	Ask for price	
041831220160000	EG-M16	2	6H	125	25	14	11	Ask for price	
041831220180000	EG-M18	2,5	6H	140	30	18	14,5	Ask for price	
041831220200000	EG-M20	2,5	6H	160	30	18	14,5	Ask for price	

Use

MACHINED MATERIAL	HOLE TYPE	CUTTING SPEED	LUBRICATION	USE
Aluminium alloys si content > 10%	through hole (thread length $L < 1,5d1$)	12-15	Emulsion	Possible use
Copper alloys (short chipping)	blind hole (thread length $< 1,5 d1$, pilot drilling depth $\geq L+d1$)	10-15	Cutting Oil/Emulsion	Recommended use
Copper alloys (short chipping)	through hole (thread length $L < 1,5d1$)	10-15	Cutting Oil/Emulsion	Recommended use
Free cutting steels up to 800 N/mm2	through hole (thread length $L < 1,5d1$)	8-10	Cutting Oil/Emulsion	Possible 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	Possible use
Grey cast iron	through hole (thread length $L > 1,5d1$)	7-10	Emulsion	Possible use
Grey cast iron	blind hole (thread length $L < 1,5d1$)	7-10	Emulsion	Possible use
Grey cast iron	through hole (thread length $L < 1,5d1$)	7-10	Emulsion	Possible use
Grey cast iron	blind hole (thread length $L < 2xd1$)	7-10	Emulsion	Possible use
Grey cast iron	blind hole (thread length $< 1,5 d1$, pilot drilling depth $\geq L+d1$)	7-10	Emulsion	Possible use

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

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