

THREAD MILLING

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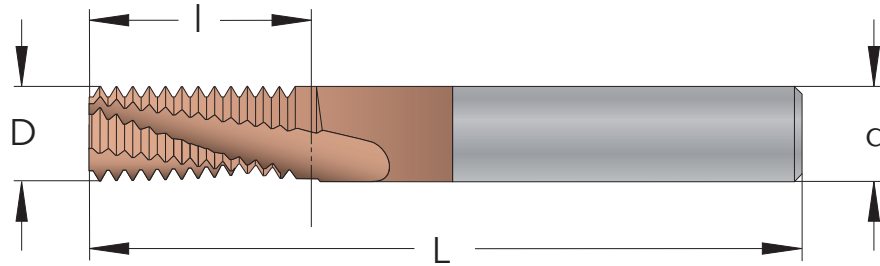


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ThreadBurr

RED = NEW Tool
BLUE = CHANGED Tool

AC
TiAlCN coated
Micrograin Carbide
Tolerance
The theoretical external diameter of the cutter is lasermarked on the tool.
Shank
Cylindrical h6, DIN6535 HA
Flute
15° right hand spiral
Field of application
Thread Milling of all types of steel



M

METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	I mm	L mm
0,4	M2 (1,5xD)		NB04015C3_0.4ISO_AC	4	1,5	3	3,4	50
0,4	M2 (2xD)		NB04015C4_0.4ISO_AC	4	1,5	3	4,6	50
0,45	M2,2 (1,5xD)		NB04016C3_0.45ISO_AC	4	1,65	3	3,82	50
0,45	M2,2 (2xD)		NB04016C5_0.45ISO_AC	4	1,65	3	5,17	50
0,45	M2,5 (1,5xD)		NB04019C4_0.45ISO_AC	4	1,9	3	4,27	50
0,45	M2,5 (2xD)		NB04019C5_0.45ISO_AC	4	1,9	3	5,62	50
0,5	M3 (1,5xD)	≥ M3,5	NB04023C5_0.5ISO_AC	4	2,3	3	5,25	50
0,5	M3 (2xD)	≥ M3,5	NB04023C6_0.5ISO_AC	4	2,3	3	6,75	50
0,5	M3 (2,5xD)	≥ M3,5	NB04023C8_0.5ISO_AC	4	2,3	3	8,25	50
0,5	M3 (1,5xD)	≥ M3,5	NB06023C5_0.5ISO_AC	6	2,3	3	5,25	63
0,5	M3 (2xD)	≥ M3,5	NB06023C6_0.5ISO_AC	6	2,3	3	6,75	63
0,5	M3 (2,5xD)	≥ M3,5	NB06023C8_0.5ISO_AC	6	2,3	3	8,25	63
0,5		≥ M5	NB04038C10_0.5ISO_AC	4	3,8	3	10,75	50
0,5		≥ M5	NB06038C10_0.5ISO_AC	6	3,8	3	10,75	63
0,6	M3,5 (1,5xD)		NB04026C6_0.6ISO_AC	4	2,6	3	6,3	50
0,6	M3,5 (2xD)		NB04026C8_0.6ISO_AC	4	2,6	3	8,1	50
0,7	M4 (1,5xD)		NB0403C7_0.7ISO_AC	4	3	3	7,35	50
0,7	M4 (2xD)		NB0403C8_0.7ISO_AC	4	3	3	8,75	50
0,7	M4 (2,5xD)		NB0403C10_0.7ISO_AC	4	3	3	10,85	50
0,7	M4 (1,5xD)		NB0603C7_0.7ISO_AC	6	3	3	7,35	63
0,7	M4 (2xD)		NB0603C8_0.7ISO_AC	6	3	3	8,75	63
0,7	M4 (2,5xD)		NB0603C10_0.7ISO_AC	6	3	3	10,85	63
0,75	M4,5 (1,5xD)	≥ M5	NB04034C7_0.75ISO_AC	4	3,4	3	7,87	50
0,75	M4,5 (2xD)	≥ M5	NB04034C10_0.75ISO_AC	4	3,4	3	10,12	50
0,75		≥ M6	NB06045C10_0.75ISO_AC	6	4,5	3	10,87	63
0,75		≥ M6	NB06045C16_0.75ISO_AC	6	4,5	3	16,87	63
0,8	M5 (1,5xD)		NB04038C8_0.8ISO_AC	4	3,8	3	8,4	50
0,8	M5 (2xD)		NB04038C10_0.8ISO_AC	4	3,8	3	10,8	50
0,8	M5 (2,5xD)		NB04038C13_0.8ISO_AC	4	3,8	3	13,2	50
0,8	M5 (1,5xD)		NB06038C8_0.8ISO_AC	6	3,8	3	8,4	63
0,8	M5 (2xD)		NB06038C10_0.8ISO_AC	6	3,8	3	10,8	63
0,8	M5 (2,5xD)		NB06038C13_0.8ISO_AC	6	3,8	3	13,2	63
1	M6 (1,5xD)	≥ M8	NB06045C10_1.0ISO_AC	6	4,5	3	10,5	63
1	M6 (2xD)	≥ M8	NB06045C13_1.0ISO_AC	6	4,5	3	13,5	63
1	M6 (2,5xD)	≥ M8	NB06045C16_1.0ISO_AC	6	4,5	3	16,5	63
1	M6 (3xD)	≥ M8	NB06045C19_1.0ISO_AC	6	4,5	3	19,5	63
1		≥ M8	NB0606C10_1.0ISO_AC	6	6	3	10,5	63
1		≥ M8	NB0606C13_1.0ISO_AC	6	6	3	13,5	63
1		≥ M10	NB0808D10_1.0ISO_AC	8	8	4	10,5	63
1		≥ M10	NB0808D13_1.0ISO_AC	8	8	4	13,5	63
1		≥ M10	NB0808D17_1.0ISO_AC	8	8	4	17,5	63
1		≥ M12	NB1010E14_1.0ISO_AC	10	10	5	14,5	76
1		≥ M12	NB1010E19_1.0ISO_AC	10	10	5	19,5	76
1		≥ M14	NB1212F15_1.0ISO_AC	12	12	6	15,5	83
1		≥ M14	NB1212F21_1.0ISO_AC	12	12	6	21,5	83
1,25	M8 (1,5xD)	≥ M10	NB0606C14_1.25ISO_AC	6	6	3	14,37	63

continue

RED = NEW Tool
BLUE = CHANGED Tool

M

METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
1,25	M8 (2xD)	≥ M10	NB0606C18_1.25ISO_AC	6	6	3	18,12	63
1,25	M8 (2,5xD)	≥ M10	NB0606C21_1.25ISO_AC	6	6	3	21,87	63
1,25	M8 (3xD)	≥ M10	NB0606C25_1.25ISO_AC	6	6	3	25,62	76
1,5	M10 (1,5xD)	≥ M12	NB08075C17_1.5ISO_AC	8	7,5	3	17,25	63
1,5	M10 (2xD)	≥ M12	NB08075C21_1.5ISO_AC	8	7,5	3	21,75	76
1,5	M10 (2,5xD)	≥ M12	NB08075C27_1.5ISO_AC	8	7,5	3	27,75	76
1,5	M10 (3xD)	≥ M12	NB08075C32_1.5ISO_AC	8	7,5	3	32,25	76
1,5		≥ M14	NB1010D17_1.5ISO_AC	10	10	4	17,25	76
1,5		≥ M14	NB1010D23_1.5ISO_AC	10	10	4	23,25	76
1,5		≥ M16	NB1212E15_1.5ISO_AC	12	12	5	15,75	83
1,5		≥ M16	NB1212E21_1.5ISO_AC	12	12	5	21,75	83
1,5		≥ M16	NB1212E29_1.5ISO_AC	12	12	5	29,25	83
1,5		≥ M20	NB1616F18_1.5ISO_AC	16	16	6	18,75	89
1,5		≥ M20	NB1616F26_1.5ISO_AC	16	16	6	26,25	89
1,5		≥ M20	NB1616F35_1.5ISO_AC	16	16	6	35,25	100
1,75	M12 (1,5xD)		NB0808C20_1.75ISO_AC	8	8	3	20,12	76
1,75	M12 (2xD)		NB0808C27_1.75ISO_AC	8	8	3	27,12	76
1,75	M12 (1,5xD)		NB1009C20_1.75ISO_AC	10	9	3	20,12	76
1,75	M12 (2xD)		NB1009C27_1.75ISO_AC	10	9	3	27,12	76
1,75	M12 (2,5xD)		NB1009C32_1.75ISO_AC	10	9	3	32,37	100
1,75	M12 (3xD)		NB1009C37_1.75ISO_AC	10	9	3	37,62	100
2	M14 (1,5xD)	≥ M18	NB1010C23_2.0ISO_AC	10	10	3	23	76
2	M14 (2xD)	≥ M18	NB1010C31_2.0ISO_AC	10	10	3	31	100
2	M14 (2,5xD)	≥ M18	NB1010C37_2.0ISO_AC	10	10	3	37	100
2	M16 (1,5xD)	≥ M18	NB1212D27_2.0ISO_AC	12	12	4	27	83
2	M16 (2xD)	≥ M18	NB1212D35_2.0ISO_AC	12	12	4	35	100
2	M16 (2,5xD)	≥ M18	NB1212D43_2.0ISO_AC	12	12	4	43	100
2	M16 (3xD)	≥ M18	NB1212C51_2.0ISO_AC	12	12	3	51	100
2		≥ M20	NB1616E29_2.0ISO_AC	16	16	5	29	89
2		≥ M20	NB1616E39_2.0ISO_AC	16	16	5	39	100
2		≥ M24	NB2020F43_2.0ISO_AC	20	20	6	43	100
2		≥ M24	NB2020F57_2.0ISO_AC	20	20	6	57	120
2,5	M18 (1,5xD)		NB1212C31_2.5ISO_AC	12	12	3	31,25	100
2,5	M18 (2xD)		NB1212C38_2.5ISO_AC	12	12	3	38,75	100
2,5	M18 (2,5xD)		NB1212C48_2.5ISO_AC	12	12	3	48,75	100
2,5	M20 (1,5xD)		NB1414D33_2.5ISO_AC	14	14	4	33,75	89
2,5	M20 (2xD)		NB1414D43_2.5ISO_AC	14	14	4	43,75	100
2,5	M20 (2,5xD)		NB1615D53_2.5ISO_AC	16	15	4	53,75	120
2,5	M20 (3xD)		NB1615C63_2.5ISO_AC	16	15	3	63,75	120
3	M24 (1,5xD)	≥ M30	NB1616C40_3.0ISO_AC	16	16	3	40,5	100
3	M24 (2xD)	≥ M30	NB1616C52_3.0ISO_AC	16	16	3	52,5	120
3	M24 (2,5xD)	≥ M30	NB1818C64_3.0ISO_AC	18	18	3	64,5	130
3		≥ M30	NB2020D46_3.0ISO_AC	20	20	4	46,5	120
3		≥ M30	NB2020D61_3.0ISO_AC	20	20	4	61,5	150
3,5	M30 (1,5xD)		NB2020C50_3.5ISO_AC	20	20	3	50,75	120
3,5	M30 (2xD)		NB2020C64_3.5ISO_AC	20	20	3	64,75	150
3,5	M30 (2,5xD)		NB2020C78_3.5ISO_AC	20	20	3	78,75	150
4	M36 (1,5xD)	≥ M42	NB2020C58_4.0ISO_AC	20	20	3	58	150

M

METRIC (external)

Pitch mm	EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
1,0	EB1010E21_1.0ISO_AC	10	10	5	21,5	76
1,5	EB1212E26_1.5ISO_AC	12	12	5	26,25	83
2,0	EB1616E35_2.0ISO_AC	16	16	5	35	100

UN

UNIFIED

Pitch TPI	UNC	UNF	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
64		No. 2 (1,5xD)	NB04017C3_64UN_AC	4	1,7	3	3,77	50
64		No. 2 (2xD)	NB04017C5_64UN_AC	4	1,7	3	4,96	50
56	No. 2 (1,5xD)		NB04016C3_56UN_AC	4	1,6	3	3,86	50
56	No. 2 (2xD)		NB04016C5_56UN_AC	4	1,6	3	5,22	50
56		No. 3 (1,5xD)	NB04019C4_56UN_AC	4	1,9	3	4,31	50
56		No. 3 (2xD)	NB04019C5_56UN_AC	4	1,9	3	5,67	50
48	No. 3 (1,5xD)		NB04019C4_48UN_AC	4	1,9	3	4,5	50
48	No. 3 (2xD)		NB04019C5_48UN_AC	4	1,9	3	5,56	50
48		No. 4 (1,5xD)	NB04021C5_48UN_AC	4	2,1	3	5,03	50
48		No. 4 (2xD)	NB04021C6_48UN_AC	4	2,1	3	6,61	50
44		No.5 (1,5xD)	NB04024C5_44UN_AC	4	2,4	3	5,48	50
44		No.5 (2xD)	NB04024C7_44UN_AC	4	2,4	3	7,22	50
40	No. 4 (1,5xD)		NB04021C5_40UN_AC	4	2,1	3	5,4	50
40	No. 4 (2xD)		NB04021C6_40UN_AC	4	2,1	3	6,67	50
40	No.5 (1,5xD)		NB04023C5_40UN_AC	4	2,3	3	5,4	50
40	No.5 (2xD)		NB04023C7_40UN_AC	4	2,3	3	7,3	50
40	No.5 (2,5xD)		NB04023C8_40UN_AC	4	2,3	3	8,57	50
40		No.6 (1,5xD)	NB04026C6_40UN_AC	4	2,6	3	6,03	50
40		No.6 (2xD)	NB04026C8_40UN_AC	4	2,6	3	7,94	50
36		No.8 (1,5xD)	NB04031C7_36UN_AC	4	3,1	3	7,41	50
36		No.8 (2xD)	NB04031C9_36UN_AC	4	3,1	3	9,53	50
32	No.6 (1,5xD)		NB04025C6_32UN_AC	4	2,5	3	6,75	50
32	No.6 (2xD)		NB04025C8_32UN_AC	4	2,5	3	8,33	50
32	No.6 (2,5xD)		NB04025C10_32UN_AC	4	2,5	3	9,92	50
32	No.8 (1,5xD)		NB0403C7_32UN_AC	4	3	3	7,54	50
32	No.8 (2xD)		NB0403C9_32UN_AC	4	3	3	9,13	50
32	No.8 (2,5xD)		NB0403C11_32UN_AC	4	3	3	11,51	50
32		No.10 (1,5xD)	NB04036C8_32UN_AC	4	3,6	3	8,33	50
32		No.10 (2xD)	NB04036C10_32UN_AC	4	3,6	3	10,72	50
32			NB0606D13_32UN_AC	6	6	4	13,1	63
28		No.12 (1,5xD)	NB0404C9_28UN_AC	4	4	3	9,52	50
28		No.12 (2xD)	NB0404C12_28UN_AC	4	4	3	12,25	50
28		1/4 (1,5xD)	NB0605C10_28UN_AC	6	5	3	10,43	63
28		1/4 (2xD)	NB0605C14_28UN_AC	6	5	3	14,06	63
28			NB0808D17_28UN_AC	8	8	4	17,69	63
24	No.10 (1,5xD)		NB04036C9_24UN_AC	4	3,6	3	9	50
24	No.10 (2xD)		NB04036C11_24UN_AC	4	3,6	3	11,11	50
24	No.10 (2,5xD)		NB04036C13_24UN_AC	4	3,6	3	13,23	50
24	No.12 (1,5xD)		NB0404C10_24UN_AC	4	4	3	10,05	50
24	No.12 (2xD)		NB0404C12_24UN_AC	4	4	3	12,17	50
24	No.12 (2,5xD)		NB0404C15_24UN_AC	4	4	3	15,35	50
24		5/16 (1,5xD)	NB0606C13_24UN_AC	6	6	3	13,23	63
24		5/16 (2xD)	NB0606C17_24UN_AC	6	6	3	17,46	63
24		3/8 (1,5xD)	NB08076C15_24UN_AC	8	7,6	3	15,35	63
24		3/8 (2xD)	NB08076C20_24UN_AC	8	7,6	3	20,64	76
20	1/4 (1,5xD)		NB06045C10_20UN_AC	6	4,5	3	10,8	63
20	1/4 (2xD)		NB06045C14_20UN_AC	6	4,5	3	14,6	63
20	1/4 (2,5xD)		NB06045C17_20UN_AC	6	4,5	3	17,15	63
20		7/16 (1,5xD)	NB0808C18_20UN_AC	8	8	3	18,41	63
20		7/16 (2xD)	NB0808C23_20UN_AC	8	8	3	23,5	76
20		1/2 (1,5xD)	NB1010D21_20UN_AC	10	10	4	20,96	76
20		1/2 (2xD)	NB1010D27_20UN_AC	10	10	4	27,31	76
20			NB1212E28_20UN_AC	12	12	5	28,57	83
18	5/16 (1,5xD)		NB06058C13_18UN_AC	6	5,8	3	13,41	63
18	5/16 (2xD)		NB06058C17_18UN_AC	6	5,8	3	17,64	63
18	5/16 (2,5xD)		NB06058C21_18UN_AC	6	5,8	3	21,87	63
18		9/16 (1,5xD)	NB1010D23_18UN_AC	10	10	4	23,28	76
18		9/16 (2xD)	NB1010D30_18UN_AC	10	10	4	30,34	100
18		5/8 (1,5xD)	NB1212D26_18UN_AC	12	12	4	26,11	83
18		5/8 (2xD)	NB1212D33_18UN_AC	12	12	4	33,16	100

continue

RED = NEW Tool
BLUE = CHANGED Tool

UN

UNIFIED

Pitch TPI	UNC	UNF	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
16	3/8 (1,5xD)		NB0606C16_16UN_AC	6	6	3	16,67	63
16	3/8 (2xD)		NB0606C21_16UN_AC	6	6	3	21,43	63
16	3/8 (2,5xD)		NB0807C26_16UN_AC	8	7	3	26,19	76
16		3/4 (1,5xD)	NB1212D31_16UN_AC	12	12	4	30,96	100
16		3/4 (2xD)	NB1212D40_16UN_AC	12	12	4	40,48	100
16			NB1616E35_16UN_AC	16	16	5	35,72	100
14	7/16 (1,5xD)		NB0808C19_14UN_AC	8	8	3	19,05	63
14	7/16 (2xD)		NB0808C24_14UN_AC	8	8	3	24,49	76
14	7/16 (2,5xD)		NB0808C30_14UN_AC	8	8	3	29,94	76
14		7/8 (1,5xD)	NB1616E35_14UN_AC	16	16	5	35,38	100
14		7/8 (2xD)	NB1616E46_14UN_AC	16	16	5	46,26	120
13	1/2 (1,5xD)		NB0808C22_13UN_AC	8	8	3	22,47	76
13	1/2 (2xD)		NB0808C28_13UN_AC	8	8	3	28,33	76
13	1/2 (2,5xD)		NB10093C34_13UN_AC	10	9,3	3	34,19	100
12	9/16 (1,5xD)		NB1010C24_12UN_AC	10	10	3	24,34	76
12	9/16 (2xD)		NB1010C30_12UN_AC	10	10	3	30,69	100
12			NB1616E43_12UN_AC	16	16	5	43,39	100
11	5/8 (1,5xD)		NB1010C26_11UN_AC	10	10	3	26,55	76
11	5/8 (2xD)		NB1010C35_11UN_AC	10	10	3	35,79	100
11	5/8 (2,5xD)		NB12117C42_11UN_AC	12	11,7	3	42,72	100
10	3/4 (1,5xD)		NB1212C31_10UN_AC	12	12	3	31,75	100
10	3/4 (2xD)		NB1212C41_10UN_AC	12	12	3	41,91	100
9	7/8 (1,5xD)		NB1616C38_9UN_AC	16	16	3	38,1	100
9	7/8 (2xD)		NB1616C49_9UN_AC	16	16	3	49,39	120
8	1 (1,5xD)		NB1616C42_8UN_AC	16	16	3	42,86	100
8	1 (2xD)		NB1616C55_8UN_AC	16	16	3	55,56	120
8			NB2020D49_8UN_AC	20	20	4	49,21	120
7	1 1/8 - 1 1/4 (1,5xD)		NB2020C52_7UN_AC	20	20	3	52,61	120
6	1 3/8 - 1 1/2 (1,5xD)		NB2525C61_6UN_AC	25	25	3	61,38	130

G/Rp

WHITWORTH PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
28	G 1/16 - 1/8	XB0606C10_28W_AC	6	6	3	10,43	63
28	G 1/8	XB0808D14_28W_AC	8	8	4	14,06	63
19	G 1/4 - 3/8	XB0808C15_19W_AC	8	8	3	15,37	63
19	G 1/4 - 3/8	XB1010D22_19W_AC	10	10	4	22,06	76
14	G 1/2 - 7/8	XB1212D20_14W_AC	12	12	4	20,86	83
14	G 1/2 - 7/8	XB1212D28_14W_AC	12	12	4	28,12	83
14	G 1/2 - 7/8	XB1616E28_14W_AC	16	16	5	28,12	89
11	G 1 - 1 1/2	XB1212C26_11W_AC	12	12	3	26,55	83
11	G 1 - 3	XB1616D40_11W_AC	16	16	4	40,41	100
11	G ≥ 1	XB2020E49_11W_AC	20	20	5	49,65	120

R/Rc

BSPT PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
28	Rc 1/16 - 1/8	XB0606C10_28BSPT_AC	6	6	3	10,43	63
28	Rc 1/8	XB0808D14_28BSPT_AC	8	8	4	14,06	63
19	Rc 1/4 - 3/8	XB0808C15_19BSPT_AC	8	8	3	15,37	63
19	Rc 1/4 - 3/8	XB1010D22_19BSPT_AC	10	10	4	22,06	76
14	Rc 1/2 - 7/8	XB1212D20_14BSPT_AC	12	12	4	20,86	83
11	Rc 1 - 2	XB1616D31_11BSPT_AC	16	16	4	31,17	89

PG

STEEL CONDUIT THREAD DIN 40430

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
20	Pg 7	XB0808C21_20PG_AC	8	8	3	20,96	63
18	Pg 9 - 16	XB1010C27_18PG_AC	10	10	3	27,52	76
16	Pg 21- 48	XB1212D31_16PG_AC	12	12	4	30,96	83

NPSF

NPSF PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
27	1/16 - 1/8	XB0606C12_27NPSF_AC	6	6	3	12,70	63
18	1/4 - 3/8	XB0808C16_18NPSF_AC	8	8	3	16,23	63
14	1/2 - 3/4	XB1212D22_14NPSF_AC	12	12	4	22,68	83
11,5	1	XB1616D29_11.5NPSF_AC	16	16	4	29,82	89

NPT

NPT PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
27	1/16 - 1/8	XB0606C10_27NPT_AC	6	6	3	10,82	63
18	1/4 - 3/8	XB0808C16_18NPT_AC	8	8	3	16,23	63
18	1/4 - 3/8	XB1010D16_18NPT_AC	10	10	4	16,23	76
14	1/2 - 3/4	XB1212D22_14NPT_AC	12	12	4	22,68	83
14	3/4	XB1616E22_14NPT_AC	16	16	5	22,68	89
11,5	1 - 2	XB1616D29_11.5NPT_AC	16	16	4	29,82	89
8	≥ 2 1/2	XB2020D42_8NPT_AC	20	20	4	42,86	100

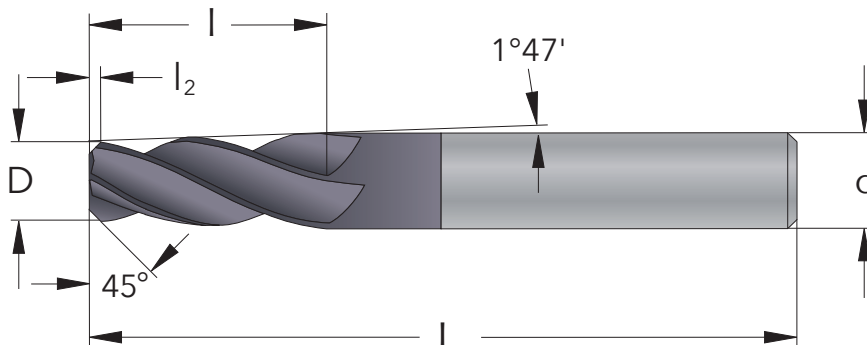
NPTF

NPTF DRYSEAL PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
27	1/16 - 1/8	XB0606C10_27NPTF_AC	6	6	3	10,82	63
18	1/4 - 3/8	XB0808C16_18NPTF_AC	8	8	3	16,23	63
14	1/2 - 3/4	XB1212D22_14NPTF_AC	12	12	4	22,68	83
11,5	1 - 2	XB1616D29_11.5NPTF_AC	16	16	4	29,82	89
8	≥ 2 1/2	XB2020D42_8NPTF_AC	20	20	4	42,86	100

Tapered End Mills for NPT/NPTF/BSPT

FC
TiAlN coated
Micrograin Carbide
Tolerance
D 5,0 - 17,0 +0 / -0,050
Shank
Cylindrical h6, DIN6535 HA
Flute
30° right hand spiral
Field of application
Before Thread Milling of
NPT/NPTF/BSPT



D mm	d mm	Part Number	No. of Flutes	l mm	l ₂ mm	L mm
5	6	NPT0605D16_FC	4	16	1,0	63
8,5	10	NPT10085D24_FC	4	24	1,5	76
14	16	NPT1614D32_FC	4	32	2	89
17	20	NPT2017D48_FC	4	48	3	120

RED = NEW Tool
BLUE = CHANGED Tool

with Chamfer

AC

TiAlCN coated
 Micrograin Carbide

Tolerance

The theoretical external diameter of the cutter is lasermarked on the tool.

Shank

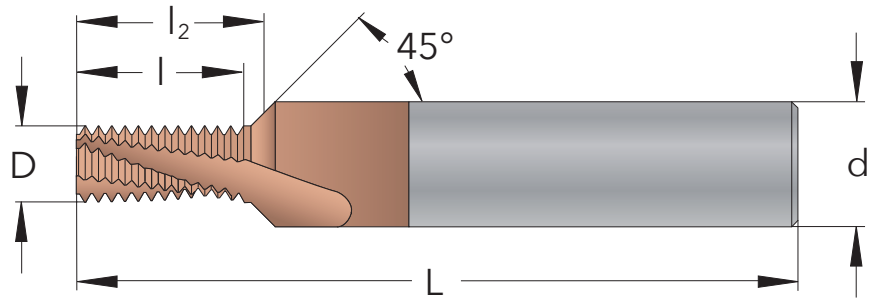
Cylindrical h6, DIN6535 HA

Flute

15° right hand spiral

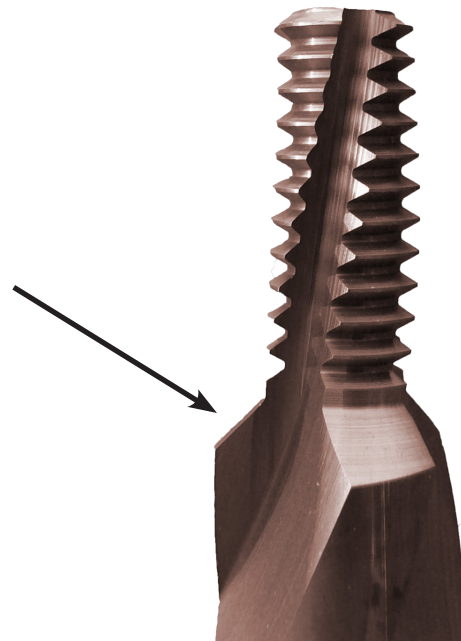
Field of application

Thread Milling of all types of steel

**M****METRIC**

Pitch mm	M coarse	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	l ₂ mm	L mm
0,5	M3 (1,5xD)	NF06023C5_0.5ISO_AC	6	2,3	3	5,25	5,85	63
0,5	M3 (2xD)	NF06023C6_0.5ISO_AC	6	2,3	3	6,75	7,35	63
0,5	M3 (2,5xD)	NF06023C8_0.5ISO_AC	6	2,3	3	8,25	8,85	63
0,5	M3 (3xD)	NF06023C9_0.5ISO_AC	6	2,3	3	9,75	10,35	63
0,7	M4 (1,5xD)	NF0603C7_0.7ISO_AC	6	3	3	7,35	8,2	63
0,7	M4 (2xD)	NF0603C8_0.7ISO_AC	6	3	3	8,75	9,6	63
0,7	M4 (2,5xD)	NF0603C10_0.7ISO_AC	6	3	3	10,85	11,7	63
0,7	M4 (3xD)	NF0603C12_0.7ISO_AC	6	3	3	12,95	13,8	63
0,8	M5 (1,5xD)	NF06038C8_0.8ISO_AC	6	3,8	3	8,4	9,4	63
0,8	M5 (2xD)	NF06038C10_0.8ISO_AC	6	3,8	3	10,8	11,8	63
0,8	M5 (2,5xD)	NF06038C13_0.8ISO_AC	6	3,8	3	13,2	14,2	63
0,8	M5 (3xD)	NF06038C16_0.8ISO_AC	6	3,8	3	16,4	17,4	63
1,0	M6 (1,5xD)	NF08045C10_1.0ISO_AC	8	4,5	3	10,5	11,75	63
1,0	M6 (2xD)	NF08045C13_1.0ISO_AC	8	4,5	3	13,5	14,75	63
1,0	M6 (2,5xD)	NF08045C16_1.0ISO_AC	8	4,5	3	16,5	17,75	63
1,25	M8 (1,5xD)	NF1006C14_1.25ISO_AC	10	6	3	14,37	16	76
1,25	M8 (2xD)	NF1006C18_1.25ISO_AC	10	6	3	18,12	19,75	76
1,25	M8 (2,5xD)	NF1006C21_1.25ISO_AC	10	6	3	21,87	23,5	76
1,5	M10 (1,5xD)	NF12075C17_1.5ISO_AC	12	7,5	3	17,25	19,25	83
1,5	M10 (2xD)	NF12075C21_1.5ISO_AC	12	7,5	3	21,75	23,75	83
1,5	M10 (2,5xD)	NF12075C27_1.5ISO_AC	12	7,5	3	27,75	29,75	83
1,75	M12 (1,5xD)	NF1409C20_1.75ISO_AC	14	9	3	20,12	22,5	89
1,75	M12 (2xD)	NF1409C27_1.75ISO_AC	14	9	3	27,12	29,5	89
1,75	M12 (2,5xD)	NF1409C32_1.75ISO_AC	14	9	3	32,37	34,75	89

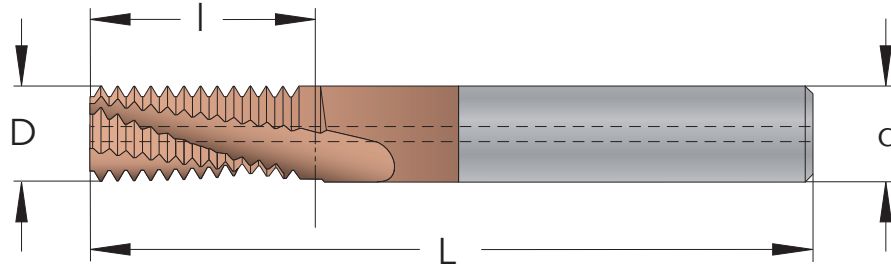
Chamfering of the thread



ThreadBurr with Internal Coolant

RED = NEW Tool
BLUE = CHANGED Tool

AC
TiAlCN coated
Micrograin Carbide
Tolerance
The theoretical external diameter of the cutter is lasermarked on the tool.
Shank
Cylindrical h6, DIN6535 HA
Flute
15° right hand spiral
Field of application
Thread Milling of all types of steel



M METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
0,8	M5 (1,5xD)		NBK04038C8_0.8ISO_AC	4	3,8	3	8,4	50
0,8	M5 (2xD)		NBK04038C10_0.8ISO_AC	4	3,8	3	10,8	50
0,8	M5 (2,5xD)		NBK04038C13_0.8ISO_AC	4	3,8	3	13,2	50
1,0	M6 (1,5xD)	≥ M8	NBK06045C10_1.0ISO_AC	6	4,5	3	10,5	63
1,0	M6 (2xD)	≥ M8	NBK06045C13_1.0ISO_AC	6	4,5	3	13,5	63
1,0	M6 (2,5xD)	≥ M8	NBK06045C16_1.0ISO_AC	6	4,5	3	16,5	63
1,0		≥ M10	NBK0808D17_1.0ISO_AC	8	8	3	17,5	76
1,25	M8 (1,5xD)	≥ M10	NBK0606C14_1.25ISO_AC	6	6	3	14,37	63
1,25	M8 (2xD)	≥ M10	NBK0606C18_1.25ISO_AC	6	6	3	18,12	63
1,25	M8 (2,5xD)	≥ M10	NBK0606C21_1.25ISO_AC	6	6	3	21,87	63
1,5	M10 (1,5xD)	≥ M12	NBK08075C17_1.5ISO_AC	8	7,5	3	17,25	76
1,5	M10 (2xD)	≥ M12	NBK08075C21_1.5ISO_AC	8	7,5	3	21,75	76
1,5	M10 (2,5xD)	≥ M12	NBK08075C27_1.5ISO_AC	8	7,5	3	27,75	76
1,5	M10 (3xD)	≥ M12	NBK08075C32_1.5ISO_AC	8	7,5	3	32,25	76
1,5		≥ M16	NBK1212E29_1.5ISO_AC	12	12	5	29,25	100
1,5		≥ M20	NBK1616F35_1.5ISO_AC	16	16	6	35,25	120
1,75	M12 (1,5xD)		NBK0808C20_1.75ISO_AC	8	8	3	20,12	76
1,75	M12 (2xD)		NBK0808C27_1.75ISO_AC	8	8	3	27,12	76
1,75	M12 (1,5xD)		NBK1009C20_1.75ISO_AC	10	9	3	20,12	100
1,75	M12 (2xD)		NBK1009C27_1.75ISO_AC	10	9	3	27,12	100
1,75	M12 (2,5xD)		NBK1009C32_1.75ISO_AC	10	9	3	32,37	100
1,75	M12 (3xD)		NBK1009C37_1.75ISO_AC	10	9	3	37,62	100
2,0	M14 (1,5xD)	≥ M18	NBK1010C23_2.0ISO_AC	10	10	3	23	100
2,0	M14 (2xD)	≥ M18	NBK1010C31_2.0ISO_AC	10	10	3	31	100
2,0	M16 (1,5xD)	≥ M18	NBK1212D27_2.0ISO_AC	12	12	4	27	100
2,0	M16 (2xD)	≥ M18	NBK1212D35_2.0ISO_AC	12	12	4	35	100
2,0	M16 (2,5xD)	≥ M18	NBK1212D43_2.0ISO_AC	12	12	4	43	100
2,0	M16 (3xD)	≥ M18	NBK1212C51_2.0ISO_AC	12	12	3	51	100
2,0		≥ M20	NBK1616E39_2.0ISO_AC	16	16	5	39	120
2,5	M20 (1,5xD)		NBK1414D33_2.5ISO_AC	14	14	4	33,75	100
2,5	M20 (2xD)		NBK1414D43_2.5ISO_AC	14	14	4	43,75	100
2,5	M20 (2,5xD)		NBK1615D53_2.5ISO_AC	16	15	4	53,75	120
3,0	M24 (1,5xD)	≥ M30	NBK1616C40_3.0ISO_AC	16	16	3	40,5	120
3,0	M24 (2xD)	≥ M30	NBK1616C52_3.0ISO_AC	16	16	3	52,5	120
3,5	M30 (1,5xD)		NBK2020C50_3.5ISO_AC	20	20	3	50,75	150
3,5	M30 (2xD)		NBK2020C64_3.5ISO_AC	20	20	3	64,75	150

Internal Coolant



RED = NEW Tool

BLUE = CHANGED Tool

ThreadBurr with Internal Radial Coolant

AC

TiAlCN coated
Micrograin Carbide

Tolerance

The theoretical external diameter of the cutter is lasermarked on the tool.

Shank

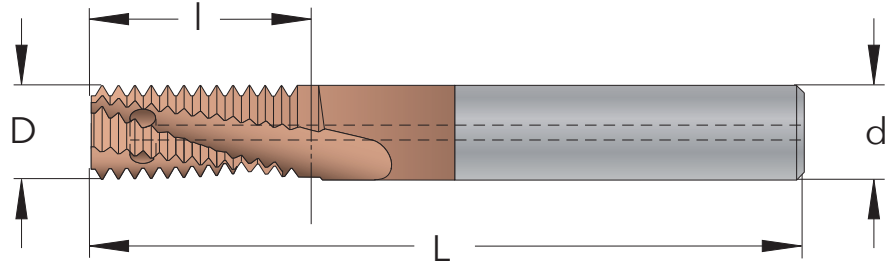
Cylindrical h6, DIN6535 HA

Flute

15° right hand spiral

Field of application

Thread Milling of all types of steel



M

METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
1,0		≥ M10	NBT0808D17_1.0ISO_AC	8	8	4	17,5	76
1,25	M8 (2xD)	≥ M10	NBT0606C18_1.25ISO_AC	6	6	3	18,12	76
1,5	M10 (2xD)	≥ M12	NBT08075C21_1.5ISO_AC	8	7,5	3	21,75	76
1,5		≥ M16	NBT1212E29_1.5ISO_AC	12	12	5	29,25	100
1,75	M12 (2xD)		NBT0808C27_1.75ISO_AC	8	8	3	27,12	76
1,75	M12 (2xD)		NBT1009C27_1.75ISO_AC	10	9	3	27,12	100
2,0	M14 (2xD)	≥ M18	NBT1010C31_2.0ISO_AC	10	10	3	31	100
2,0	M16 (2xD)	≥ M18	NBT1212D35_2.0ISO_AC	12	12	4	35	100
2,0		≥ M20	NBT1616E39_2.0ISO_AC	16	16	5	39	100

G/Rp

WHITWORTH PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
28	G 1/16 - 1/8	XBT0606C10_28W_AC	6	6	3	10,43	76
19	G 1/4 - 3/8	XBT1010D22_19W_AC	10	10	4	22,06	100
14	G 1/2 - 7/8	XBT1212D28_14W_AC	12	12	4	28,12	100
11	G 1 - 3	XBT1616D40_11W_AC	16	16	4	40,41	100

Internal Radial Coolant



with One Tooth

RED = NEW Tool
BLUE = CHANGED Tool

AC / LC

TiAlCN / AlCrN coated
Micrograin Carbide

Tolerance

D 0,3 - 6,0 +0 / -0,020
D 7,0 - 12,0 +0 / -0,030

Shank

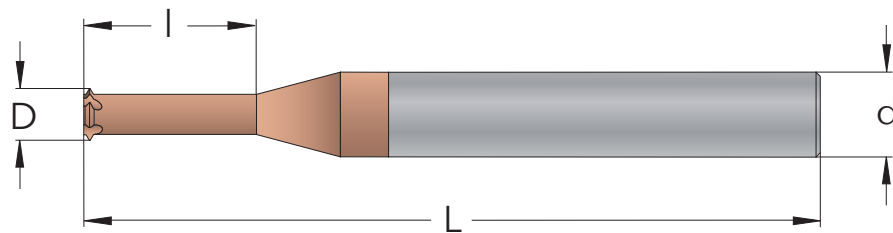
Cylindrical h6, DIN6535 HA

Flute

15° right hand spiral

Field of application

Thread Milling of all types of steel



60°

PARTIAL PROFILE 60°

M coarse	M pitch mm	UNC	UNF	UN pitch TPI	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
M0,5 (2xD)	0,125		No. 0000	160	NS03003C1.3_P60_LC	3	0,37	3	1,3	39
M0,6 (2xD)	0,15				NS03004C1.5_P60_LC	3	0,44	3	1,5	39
M0,8 (2xD)	0,2		No. 000	120	NS03005C2.0_P60_LC	3	0,58	3	2	39
M0,8 (3xD)	0,2		No. 000	120	NS03005C2.7_P60_LC	3	0,58	3	2,7	39
M1 (2xD)	0,2 - 0,25				NS03007C2.5_P60_LC	3	0,72	3	2,5	39
M1 (3xD)	0,2 - 0,25				NS03007C3.2_P60_LC	3	0,72	3	3,2	39
M1,2 (2xD)	0,2 - 0,25		No. 00	95	NS03009C2.9_P60_LC	3	0,92	3	2,9	39
M1,2 (3xD)	0,2 - 0,25		No. 00	95	NS03009C3.9_P60_LC	3	0,92	3	3,9	39
M1,4 (2xD)	0,2 - 0,3				NS03010C3.3_P60_LC	3	1,06	3	3,3	39
M1,4 (3xD)	0,2 - 0,3				NS03010C4.4_P60_LC	3	1,06	3	4,4	39
M1,6 (2xD)	0,2 - 0,35		No. 0	80	NS03012D3.6_P60_LC	3	1,2	4	3,6	39
M1,6 (3xD)	0,2 - 0,35		No. 0	80	NS03012D5.1_P60_LC	3	1,2	4	5,1	39
M1,8 (2xD)	0,35 - 0,4	No. 1	No. 1	64 - 72	NS03014D4.2_P60_LC	3	1,4	4	4,2	39
M1,8 (3xD)	0,35 - 0,4	No. 1	No. 1	64 - 72	NS03014D5.6_P60_LC	3	1,4	4	5,6	39
M2 (2xD)	0,4		No. 2	64	NS03015D4.6_P60_LC	3	1,55	4	4,6	39
M2 (3xD)	0,4		No. 2	64	NS03015D6.2_P60_LC	3	1,55	4	6,2	39
M2 (2xD)	0,35 - 0,4		No. 2	64	NS04015D4_P60_AC	4	1,5	4	4,4	50
M2 (3xD)	0,35 - 0,4		No. 2	64	NS04015D6_P60_AC	4	1,5	4	6,4	50
M2,2 (2xD)	0,45	No. 2		56	NS04016D5_P60_AC	4	1,65	4	5	50
M2,2 (3xD)	0,45	No. 2		56	NS04016D7_P60_AC	4	1,65	4	7,1	50
M2,5 (2xD)	0,45 - 0,5	No. 3	No. 3 - 4	56 - 48	NS04019D5_P60_AC	4	1,9	4	5,5	50
M2,5 (3xD)	0,45 - 0,5	No. 3	No. 3 - 4	56 - 48	NS04019D8_P60_AC	4	1,9	4	8	50
		No. 4		40	NS04021D6_P60_AC	4	2,1	4	6,4	50
		No. 4		40	NS04021D9_P60_AC	4	2,1	4	9,2	50
M3 (2xD)	0,5 - 0,6	No. 5	No. 5	44 - 40	NS04023D6_P60_AC	4	2,3	4	6,5	50
M3 (3xD)	0,5 - 0,6	No. 5	No. 5	44 - 40	NS04023D9_P60_AC	4	2,3	4	9,5	50
M3,5 (2xD)	0,5 - 0,75	No. 6	No. 6	40 - 32	NS04026D7_P60_AC	4	2,6	4	7,6	50
M3,5 (3xD)	0,5 - 0,75	No. 6	No. 6	40 - 32	NS04026D11_P60_AC	4	2,6	4	11,1	50
M4 (2xD)	0,7 - 0,75	No. 8	No. 8	36 - 32	NS0403D9_P60_AC	4	3	4	9	50
M4 (3xD)	0,7 - 0,75	No. 8	No. 8	36 - 32	NS0403D13_P60_AC	4	3	4	13	50
M4,5 (2xD)	0,75 - 1,0	No. 10	No. 10	32 - 24	NS04036D10_P60_AC	4	3,6	4	10	50
M4,5 (3xD)	0,75 - 1,0	No. 10	No. 10	32 - 24	NS04036D14_P60_AC	4	3,6	4	14,3	50
M5 (2xD)	0,75 - 1,0	No. 12	No. 12 - 1/4	32 - 24	NS0404D11_P60_AC	4	4	4	11	50
M5 (3xD)	0,75 - 1,0	No. 12	No. 12 - 1/4	32 - 24	NS0404D16_P60_AC	4	4	4	16	50
M6 (2xD)	1,0 - 1,25	1/4	5/16 - 3/8	24 - 20	NS06045D13_P60_AC	6	4,5	4	13	63
M6 (3xD)	1,0 - 1,25	1/4	5/16 - 3/8	24 - 20	NS06045D19_P60_AC	6	4,5	4	19	76
M8 (2xD)	1,25	5/16	7/16 - 1/2	20 - 18	NS0606E17_P60_AC	6	6	5	17,3	63
M8 (3xD)	1,25	5/16	7/16 - 1/2	20 - 18	NS0606E25_P60_AC	6	6	5	25,3	76
M10 (2xD)	1,5	3/8	9/16 - 3/4	18 - 16	NS08075E22_P60_AC	8	7,5	5	22	63
M10 (3xD)	1,5	3/8	9/16 - 3/4	18 - 16	NS08075E32_P60_AC	8	7,5	5	32	76
M12 (2xD)	1,75	7/16 - 1/2	7/8	14 - 13	NS1009E26_P60_AC	10	9	5	26	76
M12 (3xD)	1,75	7/16 - 1/2	7/8	14 - 13	NS1009E38_P60_AC	10	9	5	38	100
M14 (2xD)	2,0	9/16	≥ 1	12	NS1010E30_P60_AC	10	10	5	30	76
M14 (3xD)	2,0	9/16	≥ 1	12	NS1010E44_P60_AC	10	10	5	44	100
M16 (2xD)	2,0	5/8	≥ 1	12 - 11	NS1212F34_P60_AC	12	12	6	34	83
M16 (3xD)	2,0	5/8	≥ 1	12 - 11	NS1212F50_P60_AC	12	12	6	50	100

RED = NEW Tool
BLUE = CHANGED Tool

with One Tooth

M

METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
0,25	M1 (2xD)	≥ M1,4	NS03007C2_0.25ISO_LC	3	0,72	3	2,5	39
0,25	M1 (3xD)	≥ M1,4	NS03007C3_0.25ISO_LC	3	0,72	3	3,5	39
0,25	M1,2 (2xD)	≥ M1,4	NS03009C2_0.25ISO_LC	3	0,92	3	2,9	39
0,25	M1,2 (3xD)	≥ M1,4	NS03009C3_0.25ISO_LC	3	0,92	3	3,9	39
0,3	M1,4 (2xD)		NS03010C3_0.3ISO_LC	3	1,06	3	3,3	39
0,3	M1,4 (3xD)		NS03010C4_0.3ISO_LC	3	1,06	3	4,4	39
0,35	M1,6 (2xD)	≥ M2	NS03012D3_0.35ISO_LC	3	1,2	4	3,6	39
0,35	M1,6 (3xD)	≥ M2	NS03012D5_0.35ISO_LC	3	1,2	4	5,1	39
0,35	M1,8 (2xD)	≥ M2	NS03014D4_0.35ISO_LC	3	1,4	4	4,2	39
0,35	M1,8 (3xD)	≥ M2	NS03014D5_0.35ISO_LC	3	1,4	4	5,6	39
0,4	M2 (2xD)		NS03015D4_0.4ISO_LC	3	1,55	4	4,7	39
0,4	M2 (3xD)		NS03015D6_0.4ISO_LC	3	1,55	4	6,2	39

with Two Teeth

AC

TiAlCN coated

Micrograin Carbide

Tolerance

The theoretical external diameter of the cutter is lasermarked on the tool.

Shank

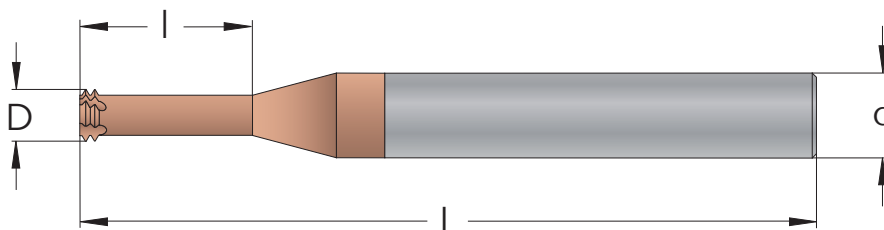
Cylindrical h6, DIN6535 HA

Flute

15° right hand spiral

Field of application

Thread Milling of all types of steel



M

METRIC

Pitch mm	M coarse	M fine	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm
0,4	M2 (2xD)		NM04015D4_0.4ISO_AC	4	1,5	4	4,4	50
0,4	M2 (3xD)		NM04015D6_0.4ISO_AC	4	1,5	4	6,4	50
0,45	M2,2 (2xD)		NM04016D5_0.45ISO_AC	4	1,65	4	5,0	50
0,45	M2,2 (3xD)		NM04016D7_0.45ISO_AC	4	1,65	4	7,1	50
0,45	M2,5 (2xD)		NM04019D5_0.45ISO_AC	4	1,9	4	5,5	50
0,45	M2,5 (3xD)		NM04019D8_0.45ISO_AC	4	1,9	4	8	50
0,5	M3 (2xD)	≥ M3,5	NM04023E6_0.5ISO_AC	4	2,3	5	6,5	50
0,5	M3 (3xD)	≥ M3,5	NM04023E9_0.5ISO_AC	4	2,3	5	9,5	50
0,6	M3,5 (2xD)		NM04026E7_0.6ISO_AC	4	2,6	5	7,6	50
0,6	M3,5 (3xD)		NM04026E11_0.6ISO_AC	4	2,6	5	11,1	50
0,7	M4 (2xD)		NM0403E9_0.7ISO_AC	4	3	5	9	50
0,7	M4 (3xD)		NM0403E13_0.7ISO_AC	4	3	5	13	50
0,75	M4,5 (2xD)	≥ M5	NM04034E10_0.75ISO_AC	4	3,4	5	10	50
0,75	M4,5 (3xD)	≥ M5	NM04034E14_0.75ISO_AC	4	3,4	5	14,3	50
0,8	M5 (2xD)		NM04038E11_0.8ISO_AC	4	3,8	5	11	50
0,8	M5 (3xD)		NM04038E16_0.8ISO_AC	4	3,8	5	16	50
1,0	M6 (2xD)	≥ M8	NM06045E13_1.0ISO_AC	6	4,5	5	13	63
1,0	M6 (3xD)	≥ M8	NM06045E19_1.0ISO_AC	6	4,5	5	19	76
1,25	M8 (2xD)	≥ M10	NM0606E17_1.25ISO_AC	6	6	5	17,3	63
1,25	M8 (3xD)	≥ M10	NM0606E25_1.25ISO_AC	6	6	5	25,3	76
1,5	M10 (2xD)	≥ M12	NM08075E22_1.5ISO_AC	8	7,5	5	22	63
1,5	M10 (3xD)	≥ M12	NM08075E32_1.5ISO_AC	8	7,5	5	32	76
1,75	M12 (2xD)		NM1009E26_1.75ISO_AC	10	9	5	26	76
1,75	M12 (3xD)		NM1009E38_1.75ISO_AC	10	9	5	38	100
2,0	M14 (2xD)	≥ M18	NM1010E30_2.0ISO_AC	10	10	5	30	76
2,0	M14 (3xD)	≥ M18	NM1010E44_2.0ISO_AC	10	10	5	44	100
2,0	M16 (2xD)	≥ M18	NM1212F34_2.0ISO_AC	12	12	6	34	83
2,0	M16 (3xD)	≥ M18	NM1212F50_2.0ISO_AC	12	12	6	50	100