

THREAD MILLING

CONTENTS



Solid Carbide Thread Mills, ThreadBurr	2	
with Chamfer	7	
with Internal Coolant	8	
with Internal Radial Coolant	9	
with One Tooth	10	
with Two Teeth	11	

UN

UNIFIED

Pitch TPI	UNC	UNF	INTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
64		No. 2 (1,5xD)	NB04017C3_64UN_AC	4	1,7	3	3,77	50	140,50
64		No. 2 (2xD)	NB04017C5_64UN_AC	4	1,7	3	4,96	50	154,50
56	No. 2 (1,5xD)		NB04016C3_56UN_AC	4	1,6	3	3,86	50	127,70
56	No. 2 (2xD)		NB04016C5_56UN_AC	4	1,6	3	5,22	50	140,50
56		No. 3 (1,5xD)	NB04019C4_56UN_AC	4	1,9	3	4,31	50	140,50
56		No. 3 (2xD)	NB04019C5_56UN_AC	4	1,9	3	5,67	50	154,50
48	No. 3 (1,5xD)		NB04019C4_48UN_AC	4	1,9	3	4,5	50	127,70
48	No. 3 (2xD)		NB04019C5_48UN_AC	4	1,9	3	5,56	50	140,50
48		No. 4 (1,5xD)	NB04021C5_48UN_AC	4	2,1	3	5,03	50	140,50
48		No. 4 (2xD)	NB04021C6_48UN_AC	4	2,1	3	6,61	50	154,50
44		No.5 (1,5xD)	NB04024C5_44UN_AC	4	2,4	3	5,48	50	140,50
44		No.5 (2xD)	NB04024C7_44UN_AC	4	2,4	3	7,22	50	154,50
40	No. 4 (1,5xD)		NB04021C5_40UN_AC	4	2,1	3	5,4	50	127,70
40	No. 4 (2xD)		NB04021C6_40UN_AC	4	2,1	3	6,67	50	140,50
40	No.5 (1,5xD)		NB04023C5_40UN_AC	4	2,3	3	5,4	50	127,70
40	No.5 (2xD)		NB04023C7_40UN_AC	4	2,3	3	7,3	50	140,50
40	No.5 (2,5xD)		NB04023C8_40UN_AC	4	2,3	3	8,57	50	154,50
40		No.6 (1,5xD)	NB04026C6_40UN_AC	4	2,6	3	6,03	50	140,50
40		No.6 (2xD)	NB04026C8_40UN_AC	4	2,6	3	7,94	50	154,50
36		No.8 (1,5xD)	NB04031C7_36UN_AC	4	3,1	3	7,41	50	140,50
36		No.8 (2xD)	NB04031C9_36UN_AC	4	3,1	3	9,53	50	154,50
32	No.6 (1,5xD)		NB04025C6_32UN_AC	4	2,5	3	6,75	50	127,70
32	No.6 (2xD)		NB04025C8_32UN_AC	4	2,5	3	8,33	50	140,50
32	No.6 (2,5xD)		NB04025C10_32UN_AC	4	2,5	3	9,92	50	154,50
32	No.8 (1,5xD)		NB0403C7_32UN_AC	4	3	3	7,54	50	127,70
32	No.8 (2xD)		NB0403C9_32UN_AC	4	3	3	9,13	50	140,50
32	No.8 (2,5xD)		NB0403C11_32UN_AC	4	3	3	11,51	50	154,50
32		No.10 (1,5xD)	NB04036C8_32UN_AC	4	3,6	3	8,33	50	140,50
32		No.10 (2xD)	NB04036C10_32UN_AC	4	3,6	3	10,72	50	154,50
32			NB0606D13_32UN_AC	6	6	4	13,1	63	148,40
28		No.12 (1,5xD)	NB0404C9_28UN_AC	4	4	3	9,52	50	140,50
28		No.12 (2xD)	NB0404C12_28UN_AC	4	4	3	12,25	50	154,50
28		1/4 (1,5xD)	NB0605C10_28UN_AC	6	5	3	10,43	63	163,30
28		1/4 (2xD)	NB0605C14_28UN_AC	6	5	3	14,06	63	179,50
28			NB0808D17_28UN_AC	8	8	4	17,69	63	187,80
24	No.10 (1,5xD)		NB04036C9_24UN_AC	4	3,6	3	9	50	127,70
24	No.10 (2xD)		NB04036C11_24UN_AC	4	3,6	3	11,11	50	140,50
24	No.10 (2,5xD)		NB04036C13_24UN_AC	4	3,6	3	13,23	50	154,50
24	No.12 (1,5xD)		NB0404C10_24UN_AC	4	4	3	10,05	50	127,70
24	No.12 (2xD)		NB0404C12_24UN_AC	4	4	3	12,17	50	140,50
24	No.12 (2,5xD)		NB0404C15_24UN_AC	4	4	3	15,35	50	154,50
24		5/16 (1,5xD)	NB0606C13_24UN_AC	6	6	3	13,23	63	163,30
24		5/16 (2xD)	NB0606C17_24UN_AC	6	6	3	17,46	63	179,50
24		3/8 (1,5xD)	NB08076C15_24UN_AC	8	7,6	3	15,35	63	206,60
24		3/8 (2xD)	NB08076C20_24UN_AC	8	7,6	3	20,64	76	227,00
20	1/4 (1,5xD)		NB06045C10_20UN_AC	6	4,5	3	10,8	63	148,40
20	1/4 (2xD)		NB06045C14_20UN_AC	6	4,5	3	14,6	63	163,30
20	1/4 (2,5xD)		NB06045C17_20UN_AC	6	4,5	3	17,15	63	179,50
20		7/16 (1,5xD)	NB0808C18_20UN_AC	8	8	3	18,41	63	206,60
20		7/16 (2xD)	NB0808C23_20UN_AC	8	8	3	23,5	76	227,00
20		1/2 (1,5xD)	NB1010D21_20UN_AC	10	10	4	20,96	76	262,70
20		1/2 (2xD)	NB1010D27_20UN_AC	10	10	4	27,31	76	288,80
20			NB1212E28_20UN_AC	12	12	5	28,57	83	308,60
18	5/16 (1,5xD)		NB06058C13_18UN_AC	6	5,8	3	13,41	63	148,40
18	5/16 (2xD)		NB06058C17_18UN_AC	6	5,8	3	17,64	63	163,30
18	5/16 (2,5xD)		NB06058C21_18UN_AC	6	5,8	3	21,87	63	179,50
18		9/16 (1,5xD)	NB1010D23_18UN_AC	10	10	4	23,28	76	262,70
18		9/16 (2xD)	NB1010D30_18UN_AC	10	10	4	30,34	100	288,80
18		5/8 (1,5xD)	NB1212D26_18UN_AC	12	12	4	26,11	83	308,60
18		5/8 (2xD)	NB1212D33_18UN_AC	12	12	4	33,16	100	339,20

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	Price EUR
16	3/8 (1,5xD)		NB0606C16_16UN_AC	6	6	3	16,67	63	148,40
16	3/8 (2xD)		NB0606C21_16UN_AC	6	6	3	21,43	63	163,30
16	3/8 (2,5xD)		NB0807C26_16UN_AC	8	7	3	26,19	76	227,00
16		3/4 (1,5xD)	NB1212D31_16UN_AC	12	12	4	30,96	100	308,60
16		3/4 (2xD)	NB1212D40_16UN_AC	12	12	4	40,48	100	339,20
16			NB1616E35_16UN_AC	16	16	5	35,72	100	443,60
14	7/16 (1,5xD)		NB0808C19_14UN_AC	8	8	3	19,05	63	187,80
14	7/16 (2xD)		NB0808C24_14UN_AC	8	8	3	24,49	76	206,60
14	7/16 (2,5xD)		NB0808C30_14UN_AC	8	8	3	29,94	76	227,00
14		7/8 (1,5xD)	NB1616E35_14UN_AC	16	16	5	35,38	100	443,60
14		7/8 (2xD)	NB1616E46_14UN_AC	16	16	5	46,26	120	488,10
13	1/2 (1,5xD)		NB0808C22_13UN_AC	8	8	3	22,47	76	187,80
13	1/2 (2xD)		NB0808C28_13UN_AC	8	8	3	28,33	76	206,60
13	1/2 (2,5xD)		NB10093C34_13UN_AC	10	9,3	3	34,19	100	288,80
12	9/16 (1,5xD)		NB1010C24_12UN_AC	10	10	3	24,34	76	238,90
12	9/16 (2xD)		NB1010C30_12UN_AC	10	10	3	30,69	100	262,70
12			NB1616E43_12UN_AC	16	16	5	43,39	100	443,60
11	5/8 (1,5xD)		NB1010C26_11UN_AC	10	10	3	26,55	76	238,90
11	5/8 (2xD)		NB1010C35_11UN_AC	10	10	3	35,79	100	262,70
11	5/8 (2,5xD)		NB12117C42_11UN_AC	12	11,7	3	42,72	100	339,20
10	3/4 (1,5xD)		NB1212C31_10UN_AC	12	12	3	31,75	100	280,40
10	3/4 (2xD)		NB1212C41_10UN_AC	12	12	3	41,91	100	308,60
9	7/8 (1,5xD)		NB1616C38_9UN_AC	16	16	3	38,1	100	403,50
9	7/8 (2xD)		NB1616C49_9UN_AC	16	16	3	49,39	120	443,60
8	1 (1,5xD)		NB1616C42_8UN_AC	16	16	3	42,86	100	403,50
8	1 (2xD)		NB1616C55_8UN_AC	16	16	3	55,56	120	443,60
8			NB2020D49_8UN_AC	20	20	4	49,21	120	557,40
7	1 1/8 - 1 1/4 (1,5xD)		NB2020C52_7UN_AC	20	20	3	52,61	120	557,40
6	1 3/8 - 1 1/2 (1,5xD)		NB2525C61_6UN_AC	25	25	3	61,38	130	760,10

G/Rp

WHITWORTH PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
28	G 1/16 - 1/8	XB0606C10_28W_AC	6	6	3	10,43	63	148,40
28	G 1/8	XB0808D14_28W_AC	8	8	4	14,06	63	187,80
19	G 1/4 - 3/8	XB0808C15_19W_AC	8	8	3	15,37	63	187,80
19	G 1/4 - 3/8	XB1010D22_19W_AC	10	10	4	22,06	76	238,90
14	G 1/2 - 7/8	XB1212D20_14W_AC	12	12	4	20,86	83	280,40
14	G 1/2 - 7/8	XB1212D28_14W_AC	12	12	4	28,12	83	308,60
14	G 1/2 - 7/8	XB1616E28_14W_AC	16	16	5	28,12	89	403,50
11	G 1 - 1 1/2	XB1212C26_11W_AC	12	12	3	26,55	83	280,40
11	G 1 - 3	XB1616D40_11W_AC	16	16	4	40,41	100	403,50
11	G ≥ 1	XB2020E49_11W_AC	20	20	5	49,65	120	516,00

R/Rc

BSPT PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
28	Rc 1/16 - 1/8	XB0606C10_28BSPT_AC	6	6	3	10,43	63	163,30
28	Rc 1/8	XB0808D14_28BSPT_AC	8	8	4	14,06	63	206,60
19	Rc 1/4 - 3/8	XB0808C15_19BSPT_AC	8	8	3	15,37	63	206,60
19	Rc 1/4 - 3/8	XB1010D22_19BSPT_AC	10	10	4	22,06	76	262,70
14	Rc 1/2 - 7/8	XB1212D20_14BSPT_AC	12	12	4	20,86	83	308,60
11	Rc 1 - 2	XB1616D31_11BSPT_AC	16	16	4	31,17	89	443,60

PG

STEEL CONDUIT THREAD DIN 40430

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
20	Pg 7	XB0808C21_20PG_AC	8	8	3	20,96	63	206,60
18	Pg 9 - 16	XB1010C27_18PG_AC	10	10	3	27,52	76	262,70
16	Pg 21- 48	XB1212D31_16PG_AC	12	12	4	30,96	83	308,60

NPSF

NPSF PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
27	1/16 - 1/8	XB0606C12_27NPSF_AC	6	6	3	12,70	63	163,30
18	1/4 - 3/8	XB0808C16_18NPSF_AC	8	8	3	16,23	63	206,60
14	1/2 - 3/4	XB1212D22_14NPSF_AC	12	12	4	22,68	83	308,60
11,5	1	XB1616D29_11.5NPSF_AC	16	16	4	29,82	89	443,60

NPT

NPT PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
27	1/16 - 1/8	XB0606C10_27NPT_AC	6	6	3	10,82	63	163,30
18	1/4 - 3/8	XB0808C16_18NPT_AC	8	8	3	16,23	63	206,60
18	1/4 - 3/8	XB1010D16_18NPT_AC	10	10	4	16,23	76	262,70
14	1/2 - 3/4	XB1212D22_14NPT_AC	12	12	4	22,68	83	308,60
14	3/4	XB1616E22_14NPT_AC	16	16	5	22,68	89	443,60
11,5	1 - 2	XB1616D29_11.5NPT_AC	16	16	4	29,82	89	443,60
8	≥ 2 1/2	XB2020D42_8NPT_AC	20	20	4	42,86	100	557,40

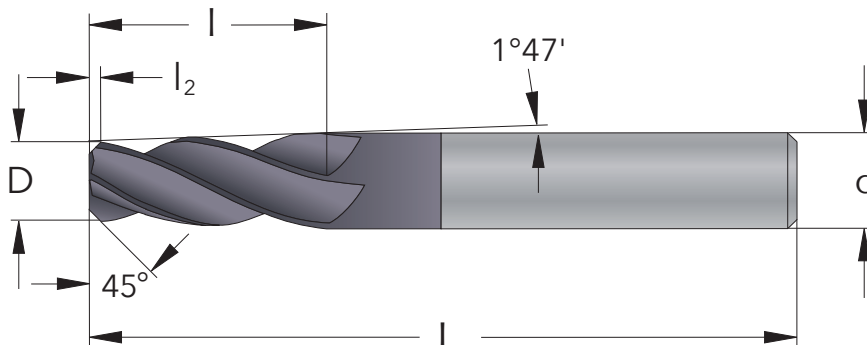
NPTF

NPTF DRYSEAL PIPE THREAD

Pitch TPI	Standard	INTERNAL / EXTERNAL Part Number	d mm	D mm	No. of Flutes	l mm	L mm	Price EUR
27	1/16 - 1/8	XB0606C10_27NPTF_AC	6	6	3	10,82	63	163,30
18	1/4 - 3/8	XB0808C16_18NPTF_AC	8	8	3	16,23	63	206,60
14	1/2 - 3/4	XB1212D22_14NPTF_AC	12	12	4	22,68	83	308,60
11,5	1 - 2	XB1616D29_11.5NPTF_AC	16	16	4	29,82	89	443,60
8	≥ 2 1/2	XB2020D42_8NPTF_AC	20	20	4	42,86	100	557,40

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	Price EUR
5	6	NPT0605D16_FC	4	16	1,0	63	68,10
8,5	10	NPT10085D24_FC	4	24	1,5	76	110,60
14	16	NPT1614D32_FC	4	32	2	89	229,40
17	20	NPT2017D48_FC	4	48	3	120	413,10

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

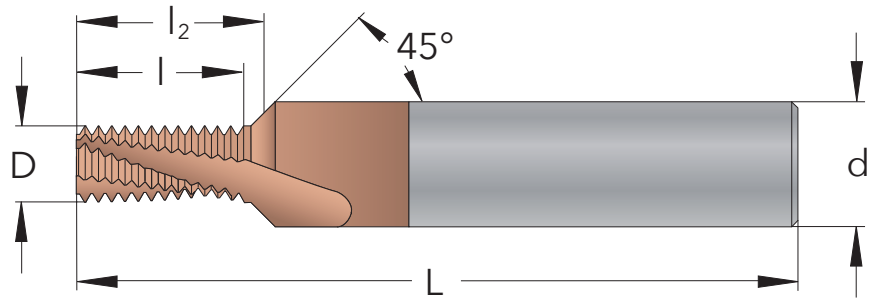
Cylindrical h6, DIN6535 HA

Flute

15° right hand spiral

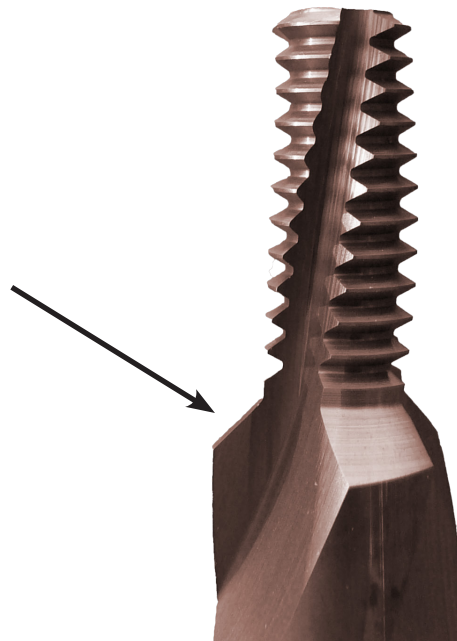
Field of application

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	Price EUR
0,5	M3 (1,5xD)	NF06023C5_0.5ISO_AC	6	2,3	3	5,25	5,85	63	148,40
0,5	M3 (2xD)	NF06023C6_0.5ISO_AC	6	2,3	3	6,75	7,35	63	163,30
0,5	M3 (2,5xD)	NF06023C8_0.5ISO_AC	6	2,3	3	8,25	8,85	63	179,50
0,5	M3 (3xD)	NF06023C9_0.5ISO_AC	6	2,3	3	9,75	10,35	63	197,50
0,7	M4 (1,5xD)	NF0603C7_0.7ISO_AC	6	3	3	7,35	8,2	63	148,40
0,7	M4 (2xD)	NF0603C8_0.7ISO_AC	6	3	3	8,75	9,6	63	163,30
0,7	M4 (2,5xD)	NF0603C10_0.7ISO_AC	6	3	3	10,85	11,7	63	179,50
0,7	M4 (3xD)	NF0603C12_0.7ISO_AC	6	3	3	12,95	13,8	63	197,50
0,8	M5 (1,5xD)	NF06038C8_0.8ISO_AC	6	3,8	3	8,4	9,4	63	148,40
0,8	M5 (2xD)	NF06038C10_0.8ISO_AC	6	3,8	3	10,8	11,8	63	163,30
0,8	M5 (2,5xD)	NF06038C13_0.8ISO_AC	6	3,8	3	13,2	14,2	63	179,50
0,8	M5 (3xD)	NF06038C16_0.8ISO_AC	6	3,8	3	16,4	17,4	63	197,50
1,0	M6 (1,5xD)	NF08045C10_1.0ISO_AC	8	4,5	3	10,5	11,75	63	175,20
1,0	M6 (2xD)	NF08045C13_1.0ISO_AC	8	4,5	3	13,5	14,75	63	192,90
1,0	M6 (2,5xD)	NF08045C16_1.0ISO_AC	8	4,5	3	16,5	17,75	63	212,20
1,25	M8 (1,5xD)	NF1006C14_1.25ISO_AC	10	6	3	14,37	16	76	203,00
1,25	M8 (2xD)	NF1006C18_1.25ISO_AC	10	6	3	18,12	19,75	76	223,20
1,25	M8 (2,5xD)	NF1006C21_1.25ISO_AC	10	6	3	21,87	23,5	76	245,70
1,5	M10 (1,5xD)	NF12075C17_1.5ISO_AC	12	7,5	3	17,25	19,25	83	224,20
1,5	M10 (2xD)	NF12075C21_1.5ISO_AC	12	7,5	3	21,75	23,75	83	246,90
1,5	M10 (2,5xD)	NF12075C27_1.5ISO_AC	12	7,5	3	27,75	29,75	83	271,40
1,75	M12 (1,5xD)	NF1409C20_1.75ISO_AC	14	9	3	20,12	22,5	89	267,40
1,75	M12 (2xD)	NF1409C27_1.75ISO_AC	14	9	3	27,12	29,5	89	294,20
1,75	M12 (2,5xD)	NF1409C32_1.75ISO_AC	14	9	3	32,37	34,75	89	323,30

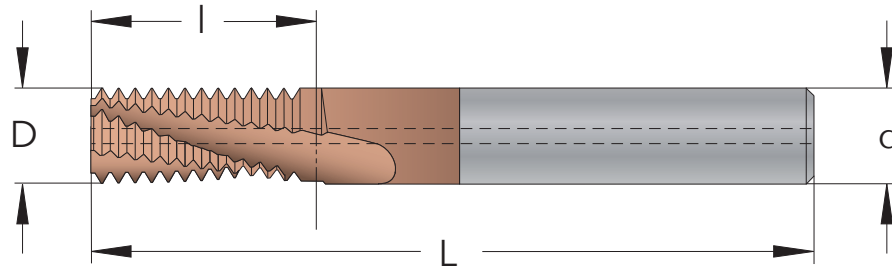
Chamfering of the thread



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	Price EUR
0,8	M5 (1,5xD)		NBK04038C8_0.8ISO_AC	4	3,8	3	8,4	50	140,50
0,8	M5 (2xD)		NBK04038C10_0.8ISO_AC	4	3,8	3	10,8	50	154,50
0,8	M5 (2,5xD)		NBK04038C13_0.8ISO_AC	4	3,8	3	13,2	50	170,00
1,0	M6 (1,5xD)	≥ M8	NBK06045C10_1.0ISO_AC	6	4,5	3	10,5	63	163,30
1,0	M6 (2xD)	≥ M8	NBK06045C13_1.0ISO_AC	6	4,5	3	13,5	63	179,50
1,0	M6 (2,5xD)	≥ M8	NBK06045C16_1.0ISO_AC	6	4,5	3	16,5	63	197,50
1,0		≥ M10	NBK0808D17_1.0ISO_AC	8	8	3	17,5	76	227,20
1,25	M8 (1,5xD)	≥ M10	NBK0606C14_1.25ISO_AC	6	6	3	14,37	63	163,30
1,25	M8 (2xD)	≥ M10	NBK0606C18_1.25ISO_AC	6	6	3	18,12	63	179,50
1,25	M8 (2,5xD)	≥ M10	NBK0606C21_1.25ISO_AC	6	6	3	21,87	63	197,50
1,5	M10 (1,5xD)	≥ M12	NBK08075C17_1.5ISO_AC	8	7,5	3	17,25	76	206,60
1,5	M10 (2xD)	≥ M12	NBK08075C21_1.5ISO_AC	8	7,5	3	21,75	76	227,00
1,5	M10 (2,5xD)	≥ M12	NBK08075C27_1.5ISO_AC	8	7,5	3	27,75	76	249,90
1,5	M10 (3xD)	≥ M12	NBK08075C32_1.5ISO_AC	8	7,5	3	32,25	76	275,00
1,5		≥ M16	NBK1212E29_1.5ISO_AC	12	12	5	29,25	100	339,50
1,5		≥ M20	NBK1616F35_1.5ISO_AC	16	16	6	35,25	120	488,00
1,75	M12 (1,5xD)		NBK0808C20_1.75ISO_AC	8	8	3	20,12	76	206,60
1,75	M12 (2xD)		NBK0808C27_1.75ISO_AC	8	8	3	27,12	76	227,00
1,75	M12 (1,5xD)		NBK1009C20_1.75ISO_AC	10	9	3	20,12	100	262,70
1,75	M12 (2,5xD)		NBK1009C27_1.75ISO_AC	10	9	3	27,12	100	288,80
1,75	M12 (2,5xD)		NBK1009C32_1.75ISO_AC	10	9	3	32,37	100	317,80
1,75	M12 (3xD)		NBK1009C37_1.75ISO_AC	10	9	3	37,62	100	349,60
2,0	M14 (1,5xD)	≥ M18	NBK1010C23_2.0ISO_AC	10	10	3	23	100	262,70
2,0	M14 (2xD)	≥ M18	NBK1010C31_2.0ISO_AC	10	10	3	31	100	288,80
2,0	M16 (1,5xD)	≥ M18	NBK1212D27_2.0ISO_AC	12	12	4	27	100	308,60
2,0	M16 (2xD)	≥ M18	NBK1212D35_2.0ISO_AC	12	12	4	35	100	339,20
2,0	M16 (2,5xD)	≥ M18	NBK1212D43_2.0ISO_AC	12	12	4	43	100	373,30
2,0	M16 (3xD)	≥ M18	NBK1212C51_2.0ISO_AC	12	12	3	51	100	410,70
2,0		≥ M20	NBK1616E39_2.0ISO_AC	16	16	5	39	120	488,00
2,5	M20 (1,5xD)		NBK1414D33_2.5ISO_AC	14	14	4	33,75	100	383,30
2,5	M20 (2xD)		NBK1414D43_2.5ISO_AC	14	14	4	43,75	100	421,80
2,5	M20 (2,5xD)		NBK1615D53_2.5ISO_AC	16	15	4	53,75	120	488,00
3,0	M24 (1,5xD)	≥ M30	NBK1616C40_3.0ISO_AC	16	16	3	40,5	120	443,60
3,0	M24 (2xD)	≥ M30	NBK1616C52_3.0ISO_AC	16	16	3	52,5	120	488,00
3,5	M30 (1,5xD)		NBK2020C50_3.5ISO_AC	20	20	3	50,75	150	613,10
3,5	M30 (2xD)		NBK2020C64_3.5ISO_AC	20	20	3	64,75	150	674,40

Internal Coolant



