



THREAD MILLING SOLID CARBIDE Contents

VARDEX Ordering Code System Page 226

HELICAL FLUTES

ISO Metric Page 227

American UNC, UNF and UNEF Page 228

Whitworth Page 229

BSP(G) Page 230

BSPT Page 230

NPT Page 231

NPTF (Dry Seal) Page 231



STRAIGHT FLUTES

ISO Metric Page 232

American UN Page 233

BSW Page 234

BSP Page 235

BSPT Page 235

NPT Page 236

NPTF Page 236

Pg Page 237



VarDEX Ordering Code System

TM Solid Carbide

Helical and Straight Flutes

H	10	077		I	1.50	ISO	TM		VTs
1	2	3		4	5	6	7	8	9

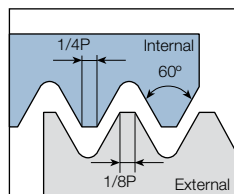
1 - Flutes Style H - Helical Flutes S - Straight Flutes	2 - Shank Dia. 04 - 4.0 12 - 12.0 06 - 6.0 16 - 16.0 08 - 8.0 20 - 20.0 10 - 10.0	3 - Cutting Dia. 3.6 - 19.9	4 - Type of Tool E - External I - Internal EI - External + Internal	5 - Pitch Full Profile - Pitch Range mm tpi 0.50 - 6.0 32 - 4.5
6 - Standard ISO - ISO Metric UN - American UN BSW - BSW BSP - BSP BSPT - BSPT NPT - NPT NPTF - NPTF PG - PG	7 - System TM	8 - No. of Flutes 3 - 3 Flutes 5 - 5 Flutes Only noted when two options are available	9 - Carbide Grade VTs VTH	



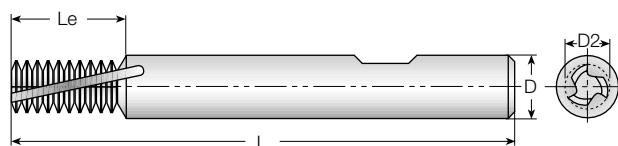


ISO Metric

Internal



Defined by: R262 (DIN 13)
Tolerance class: 6H



TM Solid Carbide - Helical Flutes

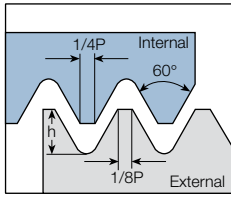
Coarse and Fine Pitch - Helical Flutes

Thread		Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
Coarse	Fine	mm	Internal	D	D2	L	Le*	z		mm
	M5x0.75	0.75	H06036-I0.75ISOTM...	6.0	3.6	57	10.5	3	14	4.2
M5x0.8		0.8	H06035-I0.80ISOTM...	6.0	3.5	57	10.4	3	13	4.2
M6x1.0		1.00	H08041-I1.0ISOTM...	8.0	4.1	63	12.0	3	12	5.0
	M8x1.0	1.00	H10060-I1.0ISOTM...	10.0	6.0	73	16.0	3	16	7.0
M8x1.25		1.25	H10058-I1.25ISOTM...	10.0	5.8	73	16.3	3	13	6.8
	M10x1.0	1.00	H10079-I1.0ISOTM...	10.0	7.9	73	20.0	3	20	9.0
	M10x1.25	1.25	H10077-I1.25ISOTM...	10.0	7.7	73	20.0	3	16	8.8
M10x1.5		1.50	H10077-I1.5ISOTM...	10.0	7.7	73	21.0	3	14	8.5
	M12x1.0	1.00	H12096-I1.0ISOTM...	12.0	9.6	83	24.0	4	24	11.0
	M12x1.25	1.25	H12094-I1.25ISOTM...	12.0	9.4	83	25.0	4	20	10.8
	M12x1.5	1.50	H12094-I1.5ISOTM...	12.0	9.4	83	24.0	4	16	10.5
M12x1.75		1.75	H12087-I1.75ISOTM...	12.0	8.7	83	24.5	4	14	10.2
	M14x1.0	1.00	H16115-I1.0ISOTM...	16.0	11.5	92	28.0	4	28	13.0
	M14x1.5	1.50	H16112-I1.5ISOTM...	16.0	11.2	92	28.5	4	19	12.5
M14x2.0		2.00	H16102-I2.0ISOTM...	16.0	10.2	92	28.0	4	14	12.0
	M16x1.5	1.50	H16130-I1.5ISOTM...	16.0	13.0	92	33.0	4	22	14.5
M16x2.0		2.00	H16122-I2.0ISOTM...	16.0	12.2	92	32.0	4	16	14.0
	M18x1.5	1.50	H16148-I1.5ISOTM...	16.0	14.8	92	36.0	4	24	16.5
M18x2.50		2.50	H20129-I2.5ISOTM...	20.0	12.9	104	37.5	5	15	15.5
	M20x1.5	1.50	H20165-I1.5ISOTM...	20.0	16.5	104	40.5	5	27	18.5
M20x2.5		2.50	H20148-I2.5ISOTM...	20.0	14.8	104	40.0	5	16	17.5
M24x3.0		3.00	H20162-I3.0ISOTM...	20.0	16.2	104	42.0	4	14	21.0

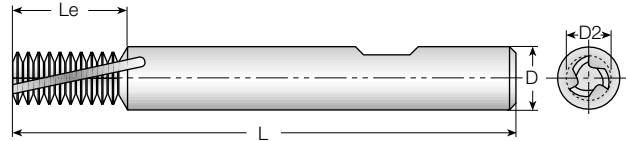
* $Le \geq 2 \times \text{Thread Diameter}$

American UNC, UNF

Internal



Defined by :ANSI B1.1.74
Tolerance class :2B



TM Solid Carbide - Helical Flutes

Coarse and Fine Pitch - Helical Flutes

Thread		Pitch	Ordering Code	Dimensions mm			No. of Flutes	Teeth	Bore Dia.
Coarse-UNC	Fine-UNF	tpi	Internal	D	D2	L	Le*	z	mm
	No.10x32	32	H06033-I32UNFTM...	6.0	3.3	57	10.3	3	4.0
No.10x24		24	H06029-I24UNCTM...	6.0	2.9	57	10.6	3	3.8
	No.12x28	28	H08038-I28UNFTM...	8.0	3.8	63	11.8	3	4.6
No.12x24		24	H08035-I24UNCTM...	8.0	3.5	63	11.6	3	4.5
	1/4"x28	28	H08046-I28UNFTM...	8.0	4.6	63	12.7	3	5.5
1/4"x20		20	H08040-I20UNCTM...	8.0	4.0	63	12.7	3	5.2
	5/16"x24	24	H10057-I24UNFTM...	10.0	5.7	73	15.9	3	6.8
5/16"x18		18	H10052-I18UNCTM...	10.0	5.2	73	16.9	3	6.5
	3/8"x24	24	H10074-I24UNFTM...	10.0	7.4	73	19.1	3	8.5
3/8"x16		16	H10067-I16UNCTM...	10.0	6.7	73	19.1	3	8.0
	7/16"x14	14	H12076-I14UNCTM...	12.0	7.6	83	23.6	4	9.3
	7/16"x20	20	H12085-I20UNFTM...	12.0	8.5	83	22.9	4	9.8
1/2"x13		13	H12089-I13UNCTM...	12.0	8.9	83	25.4	4	10.8
	1/2"x20	20	H12101-I20UNFTM...	12.0	10.1	83	25.4	4	11.5
9/16"x12		12	H16103-I12UNCTM...	16.0	10.3	92	29.6	4	12.3
	9/16"x18	18	H16113-I18UNFTM...	16.0	11.3	92	29.6	4	12.8
5/8"x11		11	H16110-I11UNCTM...	16.0	11.0	92	32.3	4	13.5
	5/8"x18	18	H16128-I18UNFTM...	16.0	12.8	92	32.5	4	14.5
3/4"x10		10	H20135-I10UNCTM...	20.0	13.5	104	38.1	5	16.5
7/8"x9		9	H20152-I9UNCTM...	20.0	15.2	104	42.3	4	19.5
1"x8		8	H20170-I8UNCTM...	20.0	17.0	104	41.3	4	22.3

* $Le \geq 2 \times \text{Thread Diameter}$

American UNEF

Extra Fine Pitch - Helical Flutes

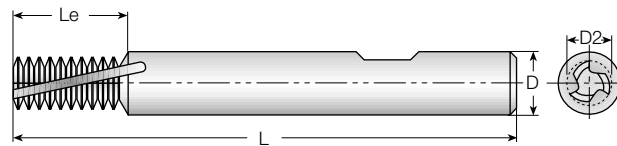
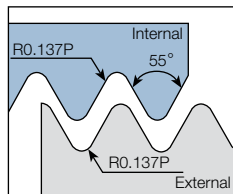
Thread	Pitch	Ordering Code	Dimensions mm			No. of Flutes	Teeth	Bore Dia.
Extra fine-UNEF	tpi	Internal	D	D2	L	Le*	z	mm
1/4"x32	32	H08048-I32UNEFTM...	8.0	4.8	63	12.7	3	5.6
5/16"x32	32	H10062-I32UNEFTM...	10.0	6.2	73	15.9	3	7.1
3/8"x32	32	H10078-I32UNEFTM...	10.0	7.8	73	19.1	3	8.7
7/16"x28	28	H12092-I28UNEFTM...	12.0	9.2	83	22.7	4	10.2
1/2"x28	28	H12108-I28UNEFTM...	12.0	10.8	83	25.4	4	11.8
9/16"x24	24	H16121-I24UNEFTM...	16.0	12.1	92	28.6	4	13.2
5/8"x24	24	H16127-I24UNEFTM...	16.0	12.7	92	31.8	4	14.8
3/4"x20	20	H20163-I20UNEFTM...	20.0	16.3	104	38.1	5	17.8

* $Le \geq 2 \times \text{Thread Diameter}$



Whitworth

External / Internal



Defined by: B.S.84:1956, DIN 259, ISO228/1:1982
Tolerance class: Medium class A

TM Solid Carbide - Helical Flutes

Coarse and Fine Pitch - Helical Flutes

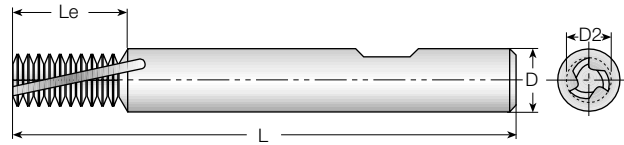
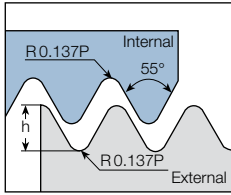
Thread	Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
BSW(Coarse) BSF(fine)	tpi	Internal+External	D	D2	L	Le*	z		mm
1/4"x26	26	H08042-EI26BSFTM...	8.0	4.2	63	12.7	3	13	5.2
1/4"x20	20	H08038-EI20BSWTM...	8.0	3.8	63	12.7	3	10	5.1
5/16"x22	22	H10053-EI22BSFTM...	10.0	5.3	73	16.2	3	14	6.6
5/16"x18	18	H10050-EI18BSWTM...	10.0	5.0	73	16.9	3	12	6.5
3/8"x20	20	H10066-EI20BSFTM...	10.0	6.6	73	19.1	3	15	8.1
3/8"x16	16	H10062-EI16BSWTM...	10.0	6.2	73	19.1	3	12	7.9
7/16"x18	18	H12078-EI18BSFTM...	12.0	7.8	83	22.6	4	16	9.5
7/16"x14	14	H12071-EI14BSWTM...	12.0	7.1	83	23.6	4	13	9.2
1/2"x16	16	H12091-EI16BSFTM...	12.0	9.1	83	25.4	4	16	11.0
1/2"x12	12	H12082-EI12BSWTM...	12.0	8.2	83	25.4	4	12	10.5
9/16"x16	16	H16106-EI16BSFTM...	16.0	10.6	92	28.6	4	18	12.5
9/16"x12	12	H16096-EI12BSWTM...	16.0	9.6	92	29.6	4	14	12.0
5/8"x14	14	H16111-EI14BSFTM...	16.0	11.1	92	32.7	4	18	14.0
5/8"x11	11	H16103-EI11BSWTM...	16.0	10.3	92	32.3	4	14	13.2
11/16"x14	14	H20126-EI14BSFTM...	20.0	12.6	104	36.3	5	20	15.5
11/16"x11	11	H20117-EI11BSWTM...	20.0	11.7	104	36.9	5	16	14.8
3/4"x12	12	H20140-EI12BSFTM...	20.0	14.0	104	38.1	5	18	16.5

* $Le \geq 2 \times \text{Thread Diameter}$



BSP(G)

Internal / External



Defined by :B.S.2779:1956
Tolerance class : Medium class

TM Solid Carbide - Helical Flutes

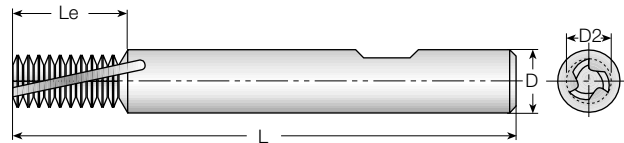
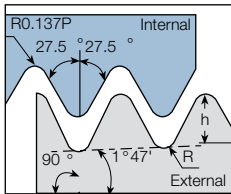
Standard - Helical Flutes

Thread	Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
	tpi	Internal + External	D	D2	L	Le*	z		mm
1/16"x28	28	H10058-EI28BSPTM...	10.0	5.8	73	16.3	3	18	6.7
1/8"x28	28	H10077-EI28BSPTM...	10.0	7.7	73	20.0	3	22	8.7
1/4"x19	19	H12102-EI19BSPTM...	12.0	10.2	83	26.7	4	20	11.8
3/8"x19	19	H16134-EI19BSPTM...	16.0	13.4	92	33.4	4	25	15.2
1/2"x14	14	H20157-EI14BSPTM...	20.0	15.7	104	43.5	5	24	19.0
1"x11	11	H20199-EI11BSPTM...	20.0	19.9	104	41.6	5	18	30.7

* $Le \geq 2 \times \text{Thread Diameter}$

BSPT

Internal / External



Defined by :B.S.21:1985
Tolerance class : Standard BSPT

TM Solid Carbide - Helical Flutes

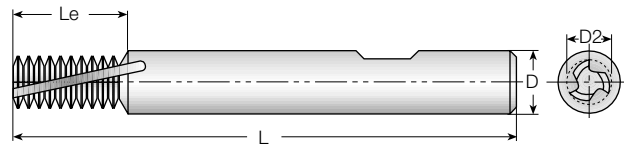
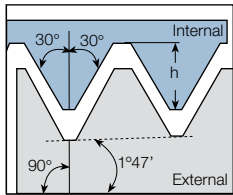
Standard - Helical Flutes

Thread	Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
	tpi	Internal + External	D	D2	L	Le	z		mm
1/16"x28	28	H10058-EI28BSPTTM...	10.0	5.8	73	16.3	3	18	6.7
1/8"x28	28	H10077-EI28BSPTTM...	10.0	7.7	73	20.0	3	22	8.7
1/4"x19	19	H12102-EI19BSPTTM...	12.0	10.2	83	26.7	4	20	11.8
3/8"x19	19	H16134-EI19BSPTTM...	16.0	13.4	92	33.4	4	25	15.2
1/2"x14	14	H20157-EI14BSPTTM...	20.0	15.7	104	43.5	5	24	19.0
1"x11	11	H20199-EI11BSPTTM...	20.0	19.9	104	41.6	5	18	30.7



NPT

Internal / External



Defined by: USAS B2.1:1968
Tolerance class : Standard NPT

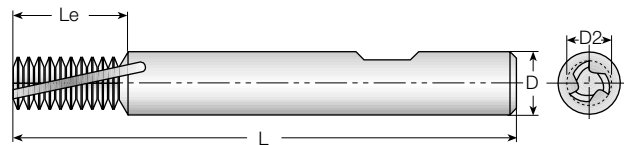
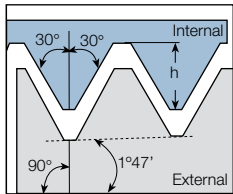
TM Solid Carbide - Helical Flutes

Standard - Helical Flute

Thread	Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
	tpi	Internal + External	D	D2	L	Le	z		mm
1/16"X27	27	H10053-EI27NPTTM...	10.0	5.3	73	9.4	3	10	6.3
1/8"X27	27	H12075-EI27NPTTM...	12.0	7.5	83	9.4	4	10	8.5
1/4"X18	18	H16094-EI18NPTTM...	16.0	9.4	92	14.1	4	10	11.1
3/8"X18	18	H16127-EI18NPTTM...	16.0	12.7	92	14.1	4	10	14.5
1/2"X14,3/4"X14	14	H20155-EI14NPTTM...	20.0	15.5	104	25.4	5	14	17.7,23.0
1"-2"X11.5	11.5	H20199-EI11.5NPTTM...	20.0	19.9	104	33.1	5	15	29.0 - 56.0
2 1/2"X8	8	H20199-EI8NPTTM...	20.0	19.9	104	38.1	4	12	66.5

NPTF (Dry Seal)

Internal / External



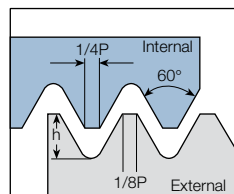
Defined by: ANSI 1.20.3-1976
Tolerance class : Standard NPTF

TM Solid Carbide - Helical Flutes

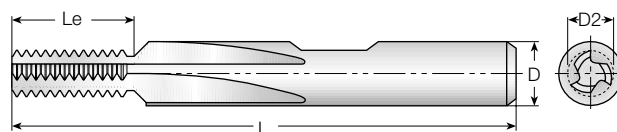
Standard - Helical Flute

Thread	Pitch	Ordering Code	Dimensions mm				No. of Flutes	Teeth	Bore Dia.
	tpi	Internal + External	D	D2	L	Le	z		mm
1/16"X27	27	H10053-EI27NPTFTM...	10.0	5.3	73	9.4	3	10	6.3
1/8"X27	27	H12075-EI27NPTFTM...	12.0	7.5	83	9.4	4	10	8.4
1/4"X18	18	H16094-EI18NPTFTM...	16.0	9.4	92	14.1	4	10	11.1
3/8"X18	18	H16127-EI18NPTFTM...	16.0	12.7	92	14.1	4	10	14.7
1/2"X14,3/4"X14	14	H20155-EI14NPTFTM...	20.0	15.5	104	25.4	5	14	17.9, 23.4
1"-2"X11.5	11.5	H20199-EI11.5NPTFTM...	20.0	19.9	104	33.1	5	15	29.4 - 56.2
2 1/2"X8	8	H20199-EI8NPTFTM...	20.0	19.9	104	38.1	4	12	67.0

ISO Metric



Defined by: R262 (DIN 13)
Tolerance class: 6g/6H



TM Solid Carbide - Straight Flutes

External, Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
mm	Min. Dia.		D	D2	L	Le			h mm
0.50	M 3	S06059-E0.5ISOTM...	6.0	5.90	57	15.0	3	30	0.31
0.75	M 4.5	S08079-E0.75ISOTM...	8.0	7.90	63	19.5	3, 5 *	26	0.46
1.00	M 6	S10099-E1.0ISOTM...	10.0	9.90	72	24.0	5	24	0.61
1.50	M 10	S12119-E1.5ISOTM...	12.0	11.90	83	30.0	5	20	0.92
2.00	M 14	S12119-E2.0ISOTM...	12.0	11.90	83	30.0	5	15	1.23
3.00	M 24	S16159-E3.0ISOTM...	16.0	15.90	92	36.0	5	12	1.84
4.00	M 36	S16159-E4.0ISOTM...	16.0	15.90	92	40.0	5	10	2.45
6.00	M 64	S20199-E6.0ISOTM...	20.0	19.90	104	36.0	5	6	3.68

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

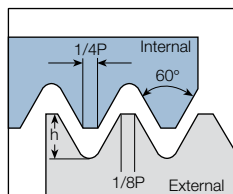
Internal, Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
mm	Min. Dia.		D	D2	L	Le			h mm
0.75	M 4.5	S04030-I0.75ISOTM...	4.0	3.0	42	6.7	3	9	0.43
	M 8	S06059-I0.75ISOTM...	6.0	5.9	57	15.0	3	20	0.43
0.80	M 5	S04036-I0.8ISOTM...	4.0	3.6	42	8.0	3	10	0.46
1.00	M 6	S06040-I1.0ISOTM...	6.0	4.0	57	9.0	3	9	0.58
	M 12	S08079-I1.0ISOTM...	8.0	7.9	63	20.0	3.5 *	20	0.58
1.25	M 8	S06050-I1.25ISOTM...	6.0	5.0	57	12.5	3	10	0.72
1.50	M 10	S06059-I1.5ISOTM...	6.0	5.9	57	15.0	3	10	0.87
	M 14	S10099-I1.5ISOTM...	10.0	9.9	72	24.0	5	16	0.87
	M 18	S12119-I1.5ISOTM...	12.0	11.9	83	30.0	5	20	0.87
1.75	M 12	S08079-I1.75ISOTM...	8.0	7.9	63	19.2	3.5 *	11	1.01
2.00	M 16	S10099-I2.0ISOTM...	10.0	9.9	72	24.0	5	12	1.15
	M 18	S12119-I2.0ISOTM...	12.0	11.9	83	30.0	5	15	1.15
2.50	M 20	S12119-I2.5ISOTM...	12.0	11.9	83	30.0	5	12	1.44
3.00	M 24	S16159-I3.0ISOTM...	16.0	15.9	92	36.0	5	12	1.73
3.50	M 30	S16159-I3.5ISOTM...	16.0	15.9	92	38.5	5	11	2.02
4.00	M 36	S16159-I4.0ISOTM...	16.0	15.9	92	40.0	5	10	2.31
5.00	M 48	S20199-I5.0ISOTM...	20.0	19.9	104	40.0	5	8	2.89
6.00	M 64	S20199-I6.0ISOTM...	20.0	19.9	104	36.0	5	6	3.46

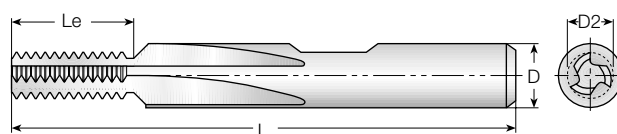
* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)



American UN



Defined by: ANSI B1.174
Tolerance class: 2B



TM Solid Carbide - Straight Flutes

External, Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
32	No. 6	S06059-E32UNTM...	6.0	5.9	57	14.3	3	18	0.49
28	No. 12	S08079-E28UNTM...	8.0	7.9	63	19.9	3.5 *	22	0.56
20	1/4"	S10099-E20UNTM...	10.0	9.9	72	22.9	5	18	0.78
18	5/16"	S10099-E18UNTM...	10.0	9.9	72	24.0	5	17	0.87
16	3/8"	S12119-E16UNTM...	12.0	11.9	83	28.6	5	18	0.97
12	9/16"	S12119-E12UNTM...	12.0	11.9	83	29.6	5	14	1.30
8	1"	S16159-E8UNTM...	16.0	15.9	92	38.1	5	12	1.95
6	1 3/8"	S20199-E6UNTM...	20.0	19.9	104	38.1	5	9	2.60

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

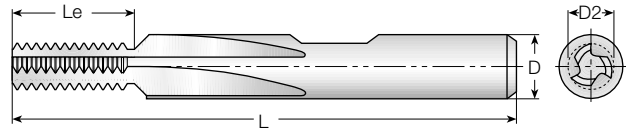
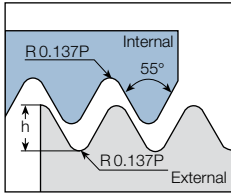
Internal, Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
36	No. 8	S04030-I36UNTM...	4.0	3.0	42	6.3	3	9	0.41
32	No. 8	S04030-I32UNTM...	4.0	3.0	42	6.3	3	8	0.46
	5/16"	S06059-I32UNTM...	6.0	5.9	57	14.3	3	18	0.46
28	No. 12	S04036-I28UNTM...	4.0	3.6	42	8.2	3	9	0.52
	7/16"	S08079-I28UNTM...	8.0	7.9	63	19.9	3.5*	22	0.52
24	No. 12	S06040-I24UNTM...	6.0	4.0	57	8.5	3	8	0.61
20	1/4"	S06040-I20UNTM...	6.0	4.0	57	10.2	3	8	0.73
	9/16"	S10099-I20UNTM...	10.0	9.9	72	22.9	5	18	0.73
18	5/16"	S06050-I18UNTM...	6.0	5.0	57	12.7	3	9	0.81
	9/16"	S10099-I18UNTM...	10.0	9.9	72	24.0	5	17	0.81
16	3/8"	S06059-I16UNTM...	6.0	5.9	57	14.3	3	9	0.92
	13/16"	S12119-I16UNTM...	12.0	11.9	83	28.6	5	18	0.92
14	7/16"	S08079-I14UNTM...	8.0	7.9	63	18.1	3.5*	10	1.05
13	1/2"	S08079-I13UNTM...	8.0	7.9	63	19.5	3.5*	10	1.13
12	9/16"	S10099-I12UNTM...	10.0	9.9	72	23.3	5	11	1.22
	1"	S12119-I12UNTM...	12.0	11.9	83	29.6	5	14	1.22
11	5/8"	S10099-I11UNTM...	10.0	9.9	72	23.1	5	10	1.33
10	3/4"	S12119-I10UNTM...	12.0	11.9	83	27.9	5	11	1.47
9	7/8"	S16159-I9UNTM...	16.0	15.9	92	33.3	5	12	1.63
8	1"	S16159-I8UNTM...	16.0	15.9	92	38.1	5	12	1.83
7	1 1/8"	S16159-I7UNTM...	16.0	15.9	92	36.3	5	10	2.09
6	1 3/8"	S20199-I6UNTM...	20.0	19.9	104	38.1	5	9	2.44
5	1 3/4"	S20199-I5UNTM...	20.0	19.9	104	40.6	5	8	2.93
4.5	2"	S20199-I4.5UNTM...	20.0	19.9	104	39.5	5	7	3.26

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

BSW

External / Internal



Defined by: B.S.84:1956, DIN 259, ISO228/1:1982
Tolerance class: Medium class A

TM Solid Carbide - Straight Flutes

Standard - Straight Flutes

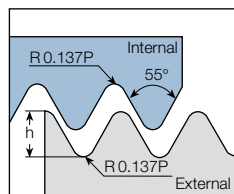
Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
20	1/4"	S06040-EI20BSWTM...	6.0	4.0	57	10.16	3	8	0.81
18	5/16"	S06050-EI18BSWTM...	6.0	5.0	57	11.29	3	8	0.90
16	3/8"	S06059-EI16BSWTM...	6.0	5.9	57	14.29	3	9	1.02
14	7/16"	S08079-EI14BSWTM...	8.0	7.9	63	18.14	3.5*	10	1.16
12	1/2"	S08079-EI12BSWTM...	8.0	7.9	63	19.05	3.5*	9	1.36
11	5/8"	S10099-EI11BSWTM...	10.0	9.9	72	23.09	5	10	1.48
10	3/4"	S12119-EI10BSWTM...	12.0	11.9	83	27.94	5	11	1.63
9	7/8"	S12119-EI9BSWTM...	12.0	11.9	83	28.22	5	10	1.81
8	1"	S16159-EI8BSWTM...	16.0	15.9	92	38.10	5	12	2.03
7	1 1/8"	S16159-EI7BSWTM...	16.0	15.9	92	36.29	5	10	2.32
6	1 3/8"	S16159-EI6BSWTM...	16.0	15.9	92	38.10	5	9	2.71
5	1 5/8"	S20199-EI5BSWTM...	20.0	19.9	104	40.64	5	8	3.25
4.5	1 7/8"	S20199-EI4.5BSWTM...	20.0	19.9	104	39.51	5	7	3.61

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

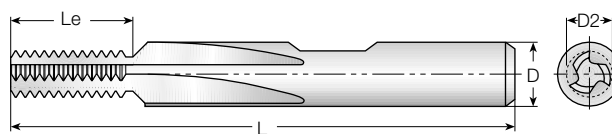


BSP

External / Internal



Defined by: B.S.2779:1956
Tolerance class: Medium class



TM Solid Carbide - Straight Flutes

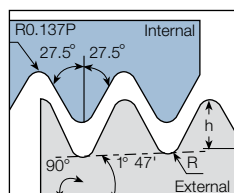
Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
28	1/16"	S06059-EI28BSPTM...	6.0	5.9	57	14.51	3	16	0.58
19	1/4"	S08079-EI19BSPTM...	8.0	7.9	63	18.72	3.5*	14	0.86
14	1/2"	S12119-EI14BSPTM...	12.0	11.9	83	29.03	5	16	1.16
11	1"	S16159-EI11BSPTM...	16.0	15.9	92	34.64	5	15	1.48

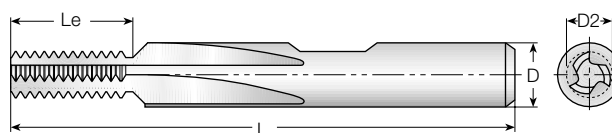
* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

BSPT

External / Internal



Defined by: B.S.21:1985
Tolerance class: Standard BSPT



TM Solid Carbide - Straight Flutes

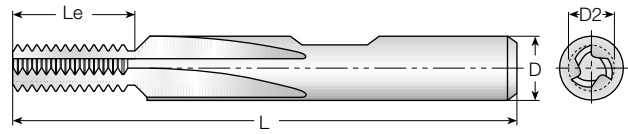
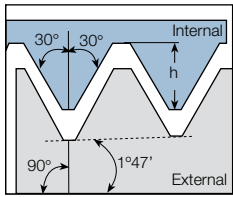
Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
28	1/16"	S06059-EI28BSPTTM...	6.0	5.90	57	9.98	3	11	0.58
19	1/4"	S08079-EI19BSPTTM...	8.0	7.90	63	14.71	3.5*	11	0.86
14	1/2"	S12119-EI14BSPTTM...	12.0	11.90	83	19.96	5	11	1.16
11	1"	S16159-EI11BSPTTM...	16.0	15.90	92	39.25	5	17	1.48

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

NPT

External / Internal



TM Solid Carbide - Straight Flutes

Defined by: USAS B2.1:1968
Tolerance class: Standard NPT

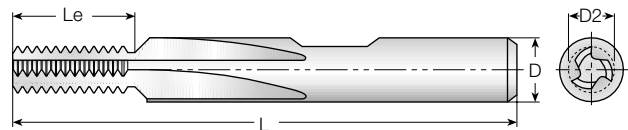
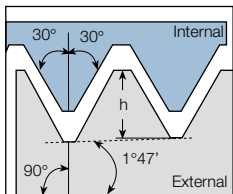
Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
27	1/16"	S06059-EI27NPTTM...	6.0	5.9	57	9.41	3	10	0.66
18	1/4"	S08079-EI18NPTTM...	8.0	7.9	63	14.11	3.5*	10	1.01
14	1/2"	S12119-EI14NPTTM...	12.0	11.9	83	19.96	5	11	1.33
11.5	1"	S16159-EI11.5NPTTM...	16.0	15.9	92	26.51	5	12	1.64
8	2 1/2"	S16159-EI8NPTTM...	16.0	15.9	92	38.10	5	12	2.42

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

NPTF

External / Internal



TM Solid Carbide - Straight Flutes

Defined by: ANSI 1.20.3-1976
Tolerance class: Standard NPTF

Standard - Straight Flutes

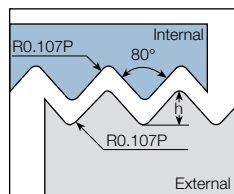
Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le			h mm
27	1/16"	S06059-EI27NPTFTM...	6.0	5.9	57	9.41	3	10	0.64
18	1/4"	S08079-EI18NPTFTM...	8.0	7.9	63	14.11	3.5*	10	1.0
14	1/2"	S12119-EI14NPTFTM...	12.0	11.9	83	19.96	5	11	1.35
11.5	1"	S16159-EI11.5NPTFTM...	16.0	15.9	92	26.51	5	12	1.63
8	2 1/2"	S16159-EI8NPTFTM...	16.0	15.9	92	38.10	5	12	2.38

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

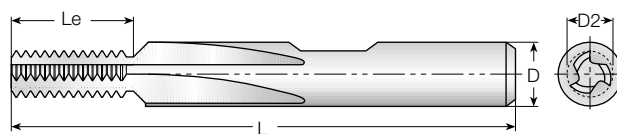


Pg

External / Internal



Defined by: DIN 40430
Tolerance class: Standard



TM Solid Carbide - Straight Flutes

Standard - Straight Flutes

Pitch	Thread	Ordering Code	Dimensions mm				No. of Flutes	Teeth	
tpi	Min. Dia.		D	D2	L	Le		h mm	
20	Pg7	S08079-EI20PGTM...	8.0	7.9	63	19.05	3.5*	15	0.61
18	Pg9, 11, 13.5, 16	S10099-EI18PGTM...	10.0	9.9	72	23.99	5	17	0.67
16	Pg21, 29, 36, 42, 48	S12119-EI16PGTM...	12.0	11.9	83	28.58	5	18	0.76

* Available with 3 and 5 flutes. Add 3 or 5 to the ordering code (TM3.../TM5...)

