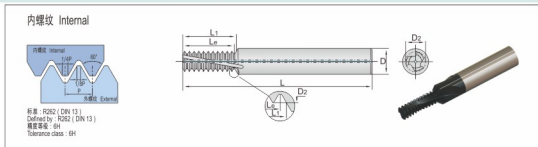




螺纹铣削刀具 THREADING MILLING TOOLS

ISO 标准型螺纹 ISO Metric Full Profile



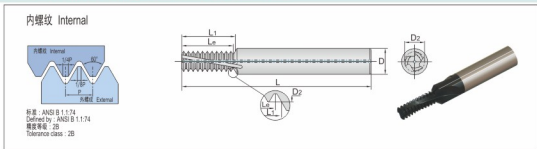
螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

1.5×D0 (Le≤1.5×螺纹直径)
1.5×D0 (Le≤1.5×Thread Diameter)

螺纹 Thread		螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)					槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
粗牙 Coarse	细牙 Fine	mm	内螺纹刀 Internal	D	D2	L	Le	L1	Z	Zt	mm
M3×0.5	M3.5-M16×0.5	0.50	HH04024N0.50ISO	4	2.40	45	4.5	4.7	3	9	2.5
M4×0.7		0.70	HH04031N0.70ISO	4	3.15	45	6.3	6.6	3	9	3.3
M5×0.8		0.80	HH04039N0.80ISO	4	3.90	45	7.2	7.6	3	9	4.2
M6×1.0	M8-M40×1.0	1.00	HH06048N1.00ISO	6	4.80	57	9.0	9.5	3	9	5.0
M8×1.25		1.25	HH08065N1.25ISO	8	6.50	61	12.5	13.1	3	10	6.8
M10×1.5	M12-M48×1.5	1.50	HH10082N1.50ISO	10	8.20	73	15.0	15.7	3	10	8.5
M12×1.75		1.75	HH10099N1.75ISO	10	9.90	73	17.5	18.4	4	10	10.2
M14×2.0	M17-M80×2.0	2.00	HH12116N2.00ISO	12	11.60	73	20.0	21.0	4	10	12.0
M16×2.0		2.00	HH14136N2.00ISO	14	13.60	92	24.0	25.0	4	12	14.0

螺纹铣削刀具 THREADING MILLING TOOLS

UN-60° 美制统一标准螺纹 American UN Full Profile



螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

1.5×D0 (Le≤1.5×螺纹直径)
1.5×D0 (Le≤1.5×Thread Diameter)

螺纹 Thread			螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)					槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
UNC粗牙 UNC (Coarse)	UNF细牙 UNF (Fine)	UNEF超细牙 UNEF (Extra Fine)	TPI	内螺纹刀 Internal	D	D2	L	Le	L1	Z	Zt	mm
N0.10-24	5/16", 3/8"×24	9/16"-11/16"×24	24	HH04035N24UNC	4	3.58	45	7.4	7.9	3	7	3.8
N0.10-24	5/16", 3/8"×24	9/16"-11/16"×24	24	HH06041N24UNC	6	4.15	57	8.5	9.0	3	8	4.5
1/4"×20	7/16", 1/2"×20	3/4"-1"×20	20	HH06048N20UNC	6	4.88	57	8.9	9.5	3	7	5.2
5/16"×18	9/16", 5/8"×18	1 1/16"-1 1/16"×18	18	HH08061N18UNC	8	6.15	61	11.3	12.0	3	8	6.5
3/8"×16	3/4"×16		16	HH08076N16UNC	8	7.65	61	14.3	15.1	3	9	8.0
7/16"×14	7/8"×14		14	HH10090N14UNC	10	9.00	73	16.3	17.2	3	9	9.3
1/2"×13			13	HH12104N13UNC	12	10.35	73	19.5	20.5	4	10	10.8
9/16"×12	1"-1 1/2"×12		12	HH12118N12UNC	12	11.80	73	21.2	22.2	4	10	12.3



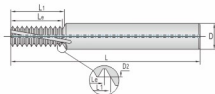
螺纹铣削刀具 THREADING MILLING TOOLS

W-55° 英国惠氏螺纹 55° Whitworth Full Profile

内螺纹 Internal
外螺纹 External



标准: B.S.84:1956, DIN 259, ISO 226/1:1982
Defined by: B.S.84:1956, DIN 259, ISO 226/1:1982
精度等级: Medium class A
Tolerance class: Medium class A



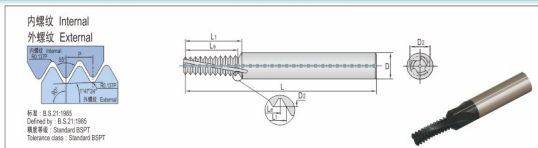
2×D0 (Les2×螺纹直径)
2×D0 (Les2×Thread Diameter)

螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

螺 纹 Thread	螺 距 Pitch	订 货 号 Order No.	尺 寸 Dimensions (mm)					槽 数 No. of Flutes	齿 数 Teeth	加 工 孔 径 Bore Dia.	
BSW粗牙 BSW (Coarse)	BSF细牙 BSF (Fine)	TPI	内外共用刃 Internal+External					Z	Zt	mm	
	1/4"×26	26	HH06050-26BSF	6	5.00	57	12.7	13.2	3	13	5.3
	5/16"×22	22	HH08063-22BSF	8	6.35	61	16.2	16.7	3	14	6.7
1/4"×20	3/8"×20	20	HH06044-20BSW	6	4.45	57	12.7	13.3	3	10	5.0
	3/8"×20	20	HH08076-20BSF	8	7.65	61	19.0	19.7	3	15	8.2
5/16"×18	7/16"×18	18	HH06058E-8BSW	6	5.85	57	15.5	16.2	3	11	6.5
	7/16"×18	18	HH10092-18BSF	10	9.20	73	22.6	23.3	3	16	9.7
3/8"×16	1/2, 9/16"×16	16	HH08072-6BSW	8	7.20	61	19.0	19.8	3	12	7.9
	1/2, 9/16"×16	16	HH12105-16BSF	12	10.50	80	25.4	26.2	4	16	11.1
	9/16"×16	16	HH14122-16BSF	14	12.15	92	28.6	29.4	4	18	12.6
7/16"×14	5/8, 11/16"×14	14	HH10085-14BSW	10	8.50	73	21.8	22.7	3	12	9.2
	5/8, 11/16"×14	14	HH14134-14BSF	14	13.40	92	30.8	31.7	4	17	14.0
	11/16"×14	14	HH16150-14BSF	16	15.00	92	34.5	35.4	4	19	15.6
1/2"×12	3/4"×12	12	HH10096-12BSW	10	9.65	73	25.4	26.5	3	12	10.5
9/16"×12	3/4"×12	12	HH12113-12BSW	12	11.25	80	27.5	28.6	4	13	12.1
	3/4"×12	12	HH18162-12BSF	18	16.20	102	38.1	39.2	4	18	16.8
5/8"×11	7/8"×11	11	HH14126-11BSW	14	12.60	92	32.3	33.5	4	14	13.4
11/16"×11		11	HH16142-11BSW	16	14.20	92	34.6	35.8	4	15	15.0

螺纹铣削刀具 THREADING MILLING TOOLS

BSPT-55° 英国标准锥管螺纹 British Standard Pipe Full Profile



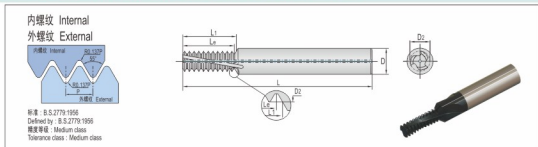
螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

螺纹 Thread	螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)					槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
	TPI	内外共用刀 Internal+External	D	D ₂	L	L _e	L ₁	Z	Z _t	mm
1/16"×28	28	HH06059-28BSPT	6	5.90	57	10.0	10.2	3	11	6.7
1/8"×28	28	HH08076-28BSPT	8	7.65	61	10.0	10.2	3	11	8.7
1/4"×19	19	HH10099-19BSPT	10	9.90	73	14.7	15.4	3	11	11.8
3/8"×19	19	HH12111-19BSPT	12	11.15	73	14.7	15.4	4	11	15.2
1/2", 3/4"×14	14	HH16142-14BSPT	16	14.25	92	21.8	22.7	4	12	19.0
1", 1 1/2", 2", 2 1/2"×11	11	HH20196-11BSPT	20	19.60	102	27.7	28.9	4	12	30.7



螺纹铣削刀具 THREADING MILLING TOOLS

BSP (G) -55° 英国标准管螺纹 British Standard Pipe Full Profile

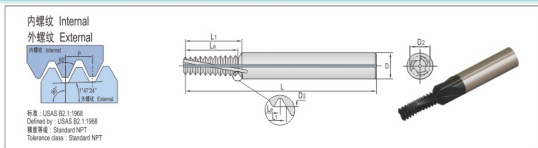


螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

螺纹 Thread	螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)					槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
	TPI	内外共用刀 Internal+External	D	D ₂	L	L _e	L ₁	Z	Z _t	mm
1/16", 1/8"×28	28	HH08064-28BSP	8	6.40	61	11.8	12.2	3	13	6.7
1/8"×28	28	HH10082-28BSP	10	8.20	73	14.5	15.0	3	16	8.7
1/4", 3/8"×19	19	HH12110-19BSP	12	11.00	80	20.0	20.7	4	15	11.8
3/8"×19	19	HH16145-19BSP	16	14.50	92	25.4	26.1	4	19	15.2
1"-4"×11	11	HHQ0199-11BSP	20	19.90	102	41.6	42.7	4	18	30.7

螺纹铣削刀具 THREADING MILLING TOOLS

NPT-60° 美国标准锥管螺纹 National Pipe Threads



螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

螺纹 Thread	螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)					槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
	TPI	内外共用刀 Internal+External	D	D ₂	L	L _e	L ₁	Z	Zt	mm
1/16"×27	27	HH06059-27NPT	6	5.90	57	9.4	9.9	3	10	6.3
1/8"×27	27	HH08076-27NPT	8	7.65	61	9.4	9.9	3	10	8.5
1/4"×18	18	HH10099-18NPT	10	9.90	73	14.1	14.8	3	10	11.1
3/8"×18	18	HH12111-18NPT	12	11.15	73	14.1	14.8	4	10	14.5
1/2"3/4"×14	14	HH16142-14NPT	16	14.25	92	18.1	19	4	10	17.7, 23.0
1", 1 1/4", 1 1/2", 2"×11.5	11.5	HH20196-11.5NPT	20	19.60	102	22.1	23.2	4	10	29.0, 37.2, 44.0, 56.0
2 1/2", 3"×8	8	HH20196-8NPT	20	19.60	102	31.7	33.3	4	10	66.5, 82.1



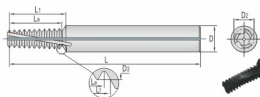
螺纹铣削刀具 THREADING MILLING TOOLS

NPTF美制干密封锥管螺纹 NPTF

内螺纹 Internal
外螺纹 External



标准: ANSI B1.20.3-1976
Defined by: ANSI B1.20.3-1976
精度等级: 标准 NPTF
Tolerance class: Standard NPTF

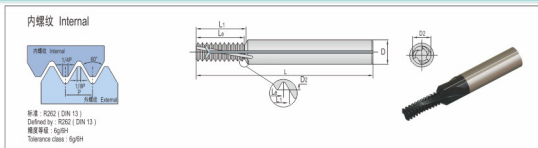


螺旋槽带内冷直孔螺纹铣刀 Helical Flutes with Thru-Hole Coolant

螺纹 Thread	螺距 Pitch	订货号 Order No.	尺寸 Dimensions (mm)						槽数 No. of Flutes	齿数 Teeth	加工孔径 Bore Dia.
	TPI	内外共用刀 Internal+External	D	D2	L	Le	L1		Z	Zt	mm
1/16"×27	27	HH06059-27NPTF	6	5.90	57	9.4	9.9		3	10	6.3
1/8"×27	27	HH08076-27NPTF	8	7.65	61	9.4	9.9		3	10	8.4
1/4"×18	18	HH10099-18NPTF	10	9.90	73	14.1	14.8		3	10	11.1
3/8"×18	18	HH12111-18NPTF	12	11.15	73	14.1	14.8		4	10	14.7
1/2", 3/4"×14	14	HH16142-14NPTF	16	14.25	92	18.1	19.0		4	10	17.9, 23.4
1", 1 1/4", 1 1/2", 2"×11.5	11.5	HH20196-11.5NPTF	20	19.60	102	22.1	23.2		4	10	29.0, 37.2, 43.7, 55.6
2 1/2", 3"×8	8	HH20196-8NPTF	20	19.60	102	31.7	33.3		4	10	66.3, 82.1

螺纹铣削刀具 THREADING MILLING TOOLS

ISO标准型螺纹铣刀 ISO METRIC Full Profile



螺旋槽带内冷斜孔螺纹铣刀 Helicool-R Helical Flutes with Radial Cooling

螺 纹 Thread		螺 距 Pitch	订 货 号 Order No.	尺 寸 Dimensions (mm)					槽 数 No.of Flutes	齿 数 Teeth	加 工 孔 径 Bore Dia.
粗 牙 Coarse	细 牙 Fine	mm	内 螺 纹 刀 Internal	D	D2	L	Le	L1	Z	Zt	mm
M6×1.0	M8-M40×1.0	1.00	HHR0604BN1.00ISO	6	4.8	57	12.0	12.5	3	12	5.0
	M10×1.0	1.00	HHR10087N1.00ISO	10	8.7	73	20.0	20.5	3	20	9.0
	M12×1.0	1.00	HHR12107N1.00ISO	12	10.7	73	24.0	24.5	4	24	11.0
M8×1.25		1.25	HHR08065N1.25ISO	8	6.5	64	16.3	16.9	3	13	6.8
M10×1.5	M12-M48×1.5	1.50	HHR10082N1.50ISO	10	8.2	73	19.5	20.3	3	13	8.5
	M12×1.5	1.50	HHR10099N1.50ISO	10	9.9	73	24.0	24.8	4	16	10.5
	M14×1.5	1.50	HHR12119N1.50ISO	12	11.9	84	28.5	29.3	4	19	12.5
	M16×1.5	1.50	HHR14139N1.50ISO	14	13.9	84	31.5	32.3	4	21	14.5
M12×1.75		1.75	HHR10099N1.75ISO	10	9.9	73	24.5	25.4	4	14	10.2



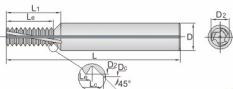
螺纹铣削刀具 THREADING MILLING TOOLS

ISO标准型螺纹 ISO METRIC Full Profile

内螺纹 Internal



标准: R262 (DIN 13)
Defined by: R262 (DIN 13)
精度等级: 6g/6H
Tolerance class: 6g/6H



螺旋槽带内冷直孔带带倒角功能螺纹铣刀 HelicoolC(HHC) Flutes with Axial Coolant-Thru & Chamfer

2×D0 (Le≤2×螺纹直径)

2×D0 (Le≤2×Thread Diameter)

螺 纹 Thread		螺 距 Pitch	订 货 号 Order No.	尺 寸 Dimensions (mm)								槽 数 No. of Flutes	齿 数 Teeth	加 工 孔 径 Bore Dia.
粗 牙 Coarse	细 牙 Fine	mm	内 螺 纹 刀 Internal	D	D2	Dc	L	Le	L1	Lc	Z	Zt	mm	
M6×1.0	M8-M40×1.0	1.00	HHC08048N1.00ISO	8	4.8	6.3	61	120	12.5	13.3	3	12	5.0	
	M10×1.0	1.00	HHC12087N1.00ISO	12	8.7	10.3	73	200	20.5	21.3	3	20	9.0	
	M12×1.0	1.00	HHC14107N1.00ISO	14	10.7	12.3	80	240	24.5	25.3	4	24	11.0	
M8×1.25		1.25	HHC10065N1.25ISO	10	6.5	8.3	73	163	16.9	17.8	3	13	6.8	
M10×1.5	M12-M48×1.5	1.50	HHC12082N1.50ISO	12	8.2	10.3	80	195	20.3	21.3	3	13	8.5	
	M12×1.5	1.50	HHC14099N1.50ISO	14	9.9	12.3	80	240	24.8	26.0	4	16	10.5	
	M14×1.5	1.50	HHC16199N1.50ISO	16	11.9	14.3	92	285	29.3	30.5	4	19	12.5	
	M16×1.5	1.50	HHC18139N1.50ISO	18	13.9	16.3	92	315	32.3	33.5	4	21	14.5	
M12×1.75		1.75	HHC14099N1.75ISO	14	9.9	12.3	80	245	25.4	26.6	4	14	10.2	

HHC-加工示意图
Operating Cycle

