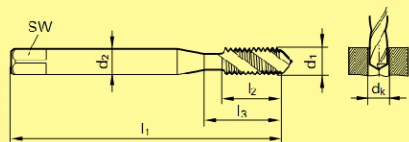


公制粗牙 螺旋 盲孔用

Sim:#5555
Sim:#836

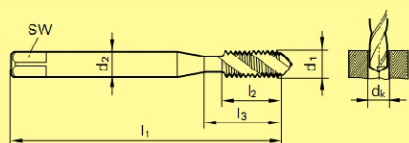


鈔領編號	5734
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	6.00	18.00	3.000	420
M4	0.70	4.500	3.40	3.300	63.00	7.50	21.00	4.000	420
M5	0.80	6.000	4.90	4.200	70.00	8.50	25.00	5.000	450
M6	1.00	6.000	4.90	5.000	80.00	11.00	30.00	6.000	460
M8	1.25	8.000	6.20	6.800	90.00	14.00	35.00	8.000	540
M10	1.50	10.000	8.00	8.500	100.00	16.00	39.00	10.000	620

公制粗牙 螺旋鍍鈦 盲孔用

Sim:#5594
Sim:#2440



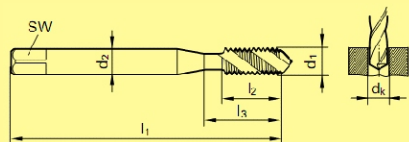
鈔領編號	5737
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	TiN
Type	N R40
Form	C
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M2	0.40	2.800	2.10	1.600	45.00	4.50	13.50	2.000	470
M3	0.50	3.500	2.70	2.500	56.00	6.00	18.00	3.000	540
M4	0.70	4.500	3.40	3.300	63.00	7.50	21.00	4.000	580
M5	0.80	6.000	4.90	4.200	70.00	8.50	25.00	5.000	590
M6	1.00	6.000	4.90	5.000	80.00	11.00	30.00	6.000	730
M8	1.25	8.000	6.20	6.800	90.00	14.00	35.00	8.000	790
M10	1.50	10.000	8.00	8.500	100.00	16.00	39.00	10.000	1,010

公制粗牙 螺旋 盲孔用

加大型 6G 公差

Sim:#2994



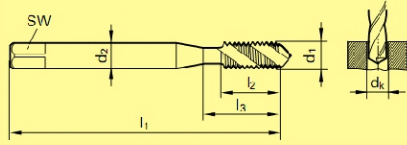
鈔領編號	5720
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	ISO 3 / 6G

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	6.00	18.00	3.000	490
M4	0.70	4.500	3.40	3.300	63.00	7.50	21.00	4.000	450
M5	0.80	6.000	4.90	4.200	70.00	8.50	25.00	5.000	510
M6	1.00	6.000	4.90	5.000	80.00	11.00	30.00	6.000	480
M8	1.25	8.000	6.20	6.800	90.00	14.00	35.00	8.000	570
M10	1.50	10.000	8.00	8.500	100.00	16.00	39.00	10.000	750

公制粗牙 螺旋 盲孔用

細柄型

Sim:#5589(SL系列M12以上)
Sim:#826



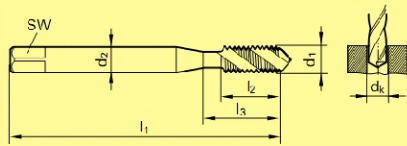
銼領編號	5717
工具材質	HSS-E
Standard	DIN376 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	2.200		2.500	56.00	6.00	18.00	3.000	520
M4	0.70	2.800	2.10	3.300	63.00	7.50	21.00	4.000	470
M5	0.80	3.500	2.70	4.200	70.00	8.50	25.00	5.000	460
M6	1.00	4.500	3.40	5.000	80.00	11.00	30.00	6.000	450
M8	1.25	6.000	4.90	6.800	90.00	14.00	35.00	8.000	480
M10	1.50	7.000	5.50	8.500	100.00	16.00	39.00	10.000	640
M12	1.75	9.000	7.00	10.200	110.00	18.50	49.00	12.000	710
M16	2.00	12.000	9.00	14.000	110.00	20.00	54.00	16.000	1,040
M20	2.50	16.000	12.00	17.500	140.00	25.00	62.00	20.000	1,570

公制粗牙 螺旋 鍍鈦 盲孔用

細柄型 公差 6HX

Sim:#2441



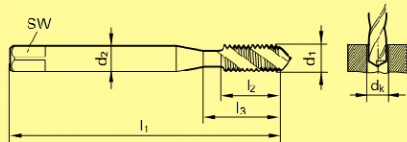
銼領編號	5738
工具材質	HSS-E
Standard	DIN376 / DIN2184-1
Surface	TiN Coated
Type	N R40
Form	C
公差等級	6HX

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	2.200		2.500	56.00	6.00	18.00	3.000	920
M4	0.70	2.800	2.10	3.300	63.00	7.50	21.00	4.000	920
M5	0.80	3.500	2.70	4.200	70.00	8.50	25.00	5.000	860
M6	1.00	4.500	3.40	5.000	80.00	11.00	30.00	6.000	860
M8	1.25	6.000	4.90	6.800	90.00	14.00	35.00	8.000	860
M10	1.50	7.000	5.50	8.500	100.00	16.00	39.00	10.000	1,080
M12	1.75	9.000	7.00	10.200	110.00	18.50	49.00	12.000	1,210
M14	2.00	11.000	9.00	12.000	110.00	20.00	53.00	14.000	1,810
M16	2.00	12.000	9.00	14.000	110.00	20.00	54.00	16.000	1,680
M20	2.50	16.000	12.00	17.500	140.00	25.00	62.00	20.000	2,490
M24	3.00	18.000	14.50	21.00	160.00	30.00	73.00	24.000	3,520

公制粗牙 螺旋 盲孔用

Form E 前端無效牙 1.5~2 牙

Sim:#2709



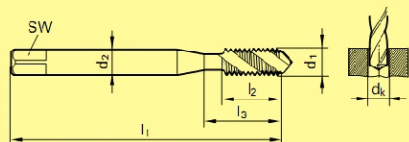
銼領編號	5721
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	E
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	6.00	18.00	3.000	450
M4	0.70	4.500	3.40	3.300	63.00	7.50	21.00	4.000	490
M5	0.80	6.000	4.90	4.200	70.00	8.50	25.00	5.000	450
M6	1.00	6.000	4.90	5.000	80.00	11.00	30.00	6.000	450
M8	1.25	8.000	6.20	6.800	90.00	14.00	35.00	8.000	550
M10	1.50	10.000	8.00	8.500	100.00	16.00	39.00	10.000	720

公制粗牙 粉末螺旋鍍鈦 盲孔用

粉末材質 高壽命

Sim:#767



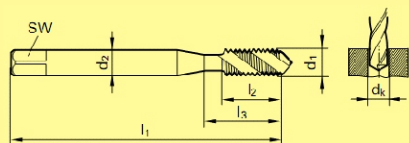
鈔領編號	5722
工具材質	HSS-E-PM
Standard	DIN371 / DIN376
Surface	TiN Coated
Type	N R50
Form	C
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	6.00	18.00	3.000	720
M4	0.70	4.500	3.40	3.300	63.00	7.50	21.00	4.000	720
M5	0.80	6.000	4.90	4.200	70.00	8.50	25.00	5.000	770
M6	1.00	6.000	4.90	5.000	80.00	11.00	30.00	6.000	900
M8	1.25	8.000	6.20	6.800	90.00	14.00	35.00	8.000	1,060
M10	1.50	10.000	8.00	8.500	100.00	16.00	39.00	10.000	1,340
M12	1.75	9.000	7.00	10.200	110.00	18.50	49.00	12.000	1,570
M14	2.00	11.000	9.00	12.000	110.00	20.00	53.00	14.000	2,270
M16	2.00	12.000	9.00	14.000	110.00	20.00	54.00	16.000	2,270
M20	2.50	16.000	12.00	17.500	140.00	25.00	62.00	20.000	2,600

公制粗牙 螺旋鍍鈦 盲孔用

加長型

Sim:#4153

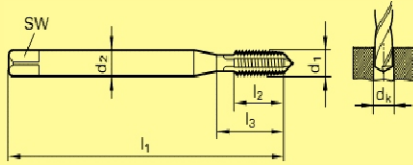


鈔領編號	5718
工具材質	HSS-E
Standard	Guhring standard
Surface	TiN Coated
Type	N R40
Form	C
公差等級	6HX

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	112.00	6.00	18.00	3.000	1,520
M4	0.70	2.800	2.10	3.300	112.00	7.50	77.00	4.000	1,360
M5	0.80	3.500	2.70	4.200	125.00	8.50	90.00	5.000	1,360
M6	1.00	4.500	3.40	5.000	125.00	11.00	90.00	6.000	1,360
M8	1.25	6.000	4.90	6.800	140.00	14.00	97.00	8.000	1,390
M10	1.50	7.000	5.50	8.500	160.00	16.00	117.00	10.000	1,680
M12	1.75	9.000	7.00	10.200	180.00	18.50	133.00	12.000	1,940
M16	2.00	12.000	9.00	14.000	220.00	20.00	168.00	16.000	2,670
M20	2.50	16.000	12.00	17.500	280.00	25.00	225.00	20.000	3,990

公制粗牙 先端 通孔用

Sim:#5561
Sim:#2876



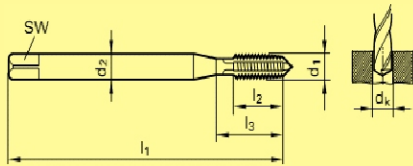
鈔領編號	5733
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	10.00	18.00	3.000	400
M4	0.70	4.500	3.40	3.300	63.00	12.00	21.00	4.000	410
M5	0.80	6.000	4.90	4.200	70.00	14.00	25.00	5.000	410
M6	1.00	6.000	4.90	5.000	80.00	16.00	30.00	6.000	420
M8	1.25	8.000	6.20	6.800	90.00	17.00	35.00	8.000	480
M10	1.50	10.000	8.00	8.500	100.00	20.00	39.00	10.000	580

公制粗牙 粉末先端鍍鈦 通孔用

粉末材質 高壽命

Sim:#1285



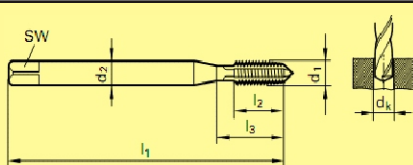
鈔領編號	5736
工具材質	HSS-E-PM
Standard	DIN371 / DIN376
Surface	TiN Coated
Type	N
Form	B
公差等級	ISO 2 / 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M2	0.40	2.800	2.10	1.600	45.00	8.00	13.50	2.000	510
M3	0.50	3.500	2.70	2.500	56.00	10.00	18.00	3.000	630
M4	0.70	4.500	3.40	3.300	63.00	12.00	21.00	4.000	580
M5	0.80	6.000	4.90	4.200	70.00	14.00	25.00	5.000	640
M6	1.00	6.000	4.90	5.000	80.00	16.00	30.00	6.000	770
M8	1.25	8.000	6.20	6.800	90.00	17.00	35.00	8.000	860
M10	1.50	10.000	8.00	8.500	100.00	20.00	39.00	10.000	1,140
M12	1.75	9.000	7.00	10.200	110.00	24.00	49.00	12.000	1,360
M14	2.00	11.000	9.00	12.000	110.00	26.00	53.00	14.000	2,050
M16	2.00	12.000	9.00	14.000	110.00	26.00	54.00	16.000	1,900
M18	2.50	14.000	11.00	15.500	125.00	30.00	62.00	18.000	3,330
M20	2.50	16.000	12.00	17.500	140.00	32.00	62.00	20.000	3,440

公制粗牙 先端 通孔用

加大型 6G 公差

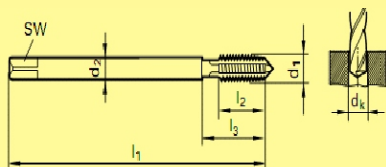
Sim:#2990



鈔領編號	5719
工具材質	HSS-E
Standard	DIN371 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	ISO 3 / 6G

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	3.500	2.70	2.500	56.00	10.00	18.00	3.000	470
M4	0.70	4.500	3.40	3.300	63.00	12.00	21.00	4.000	470
M5	0.80	6.000	4.90	4.200	70.00	14.00	25.00	5.000	480
M6	1.00	6.000	4.90	5.000	80.00	16.00	30.00	6.000	430
M8	1.25	8.000	6.20	6.800	90.00	17.00	35.00	8.000	500
M10	1.50	10.000	8.00	8.500	100.00	20.00	39.00	10.000	700

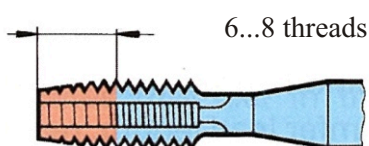
Sim:#5563(SL系列M12以上)
Sim:#2877



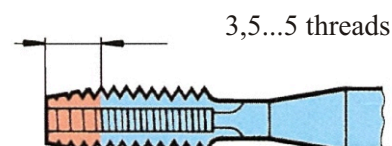
銼領編號	5716
工具材質	HSS-E
Standard	DIN376 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	ISO / 2 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M3	0.50	2.200		2.500	56.00	10.00	18.00	3.000	450
M4	0.70	2.800	2.10	3.300	63.00	12.00	21.00	4.000	440
M5	0.80	3.500	2.70	4.200	70.00	14.00	25.00	5.000	440
M6	1.00	4.500	3.40	5.000	80.00	16.00	30.00	6.000	460
M8	1.25	6.000	4.90	6.800	90.00	17.00	35.00	8.000	540
M10	1.50	7.000	5.50	8.500	100.00	20.00	39.00	10.000	620
M12	1.75	9.000	7.00	10.200	110.00	24.00	49.00	12.000	730
M14	2.00	11.000	9.00	12.000	110.00	26.00	53.00	14.000	1,080
M16	2.00	12.000	9.00	14.000	110.00	26.00	54.00	16.000	1,080
M20	2.50	16.000	12.00	17.500	140.00	32.00	62.00	20.000	1,720

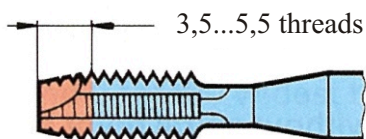
Form A



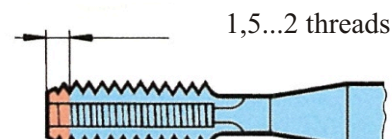
Form D



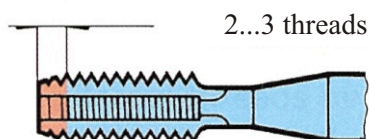
Form B



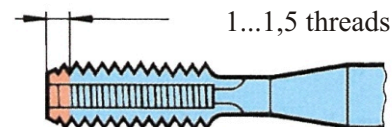
Form E



Form C



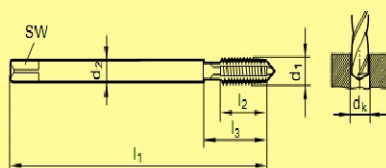
Form F



公制細牙 先端 通孔用



Sim:#2879



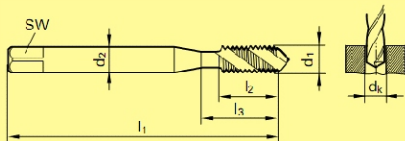
鈔領編號	5723
工具材質	HSS-E
Standard	DIN374 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	ISO / 2 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M4	0.50	2.800	2.10	3.500	63.00	8.00	21.00	4.003	770
M5	0.50	3.500	2.70	4.500	70.00	10.00	25.00	5.003	770
M6	0.75	4.500	3.40	5.200	80.00	13.00	30.00	6.004	770
M8	1.00	6.000	4.90	7.000	90.00	17.00	35.00	8.005	690
M10	1.00	7.000	5.50	9.000	90.00	17.00	35.00	10.005	710
M12	1.00	9.000	7.00	11.000	100.00	20.00	40.00	12.005	920
M12	1.50	9.000	7.00	10.500	100.00	20.00	40.00	12.007	810
M14	1.50	11.000	9.00	12.500	100.00	20.00	40.00	14.007	1,150
M16	1.50	12.000	9.00	14.500	100.00	22.00	44.00	16.007	1,190
M20	1.50	16.000	12.00	18.500	125.00	25.00	44.00	20.007	1,830

公制細牙 螺旋 盲孔用



Sim:#2853



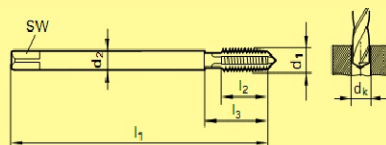
鈔領編號	5724
工具材質	HSS-E
Standard	DIN374 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	ISO / 2 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M4	0.50	2.800	2.10	3.500	63.00	5.00	21.00	4.003	770
M5	0.50	3.500	2.70	4.500	70.00	5.00	25.00	5.003	770
M6	0.75	4.500	3.40	5.200	80.00	8.00	30.00	6.004	820
M8	1.00	6.000	4.90	7.000	90.00	11.00	35.00	8.005	670
M10	1.00	7.000	5.50	9.000	90.00	11.00	35.00	10.005	700
M10	1.25	7.000	5.50	8.800	100.00	14.00	39.00	10.006	770
M12	1.00	9.000	7.00	11.000	100.00	11.00	40.00	12.005	930
M12	1.25	9.000	7.00	10.800	100.00	16.00	40.00	12.006	1,100
M12	1.50	9.000	7.00	10.500	100.00	16.00	40.00	12.007	820
M14	1.00	11.000	9.00	13.000	100.00	11.00	40.00	14.005	1,230
M14	1.50	11.000	9.00	12.500	100.00	15.00	40.00	14.007	1,120
M16	1.00	12.000	9.00	15.000	100.00	11.00	44.00	16.005	1,320
M16	1.50	12.000	9.00	14.500	100.00	15.00	44.00	16.007	1,280
M20	1.50	16.000	12.00	18.500	125.00	16.00	44.00	20.007	1,630

公制細牙鍍鈦 粉末先端 通孔用

粉末材質 高壽命

Sim:#1291



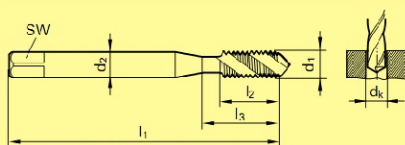
鈔領編號	5739
工具材質	HSS-E-PM
Standard	DIN374 / DIN2184-1
Surface	TiN Coated
Type	N
Form	B
公差等級	ISO / 2 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M8	1.00	6.000	4.90	7.000	90.00	16.00	35.00	8.005	1,120
M10	1.00	7.000	5.50	9.000	90.00	16.00	35.00	10.005	1,280
M10	1.25	7.000	5.50	8.800	100.00	20.00	39.00	10.006	1,370
M12	1.00	9.000	7.00	11.000	100.00	20.00	40.00	12.005	1,570
M12	1.25	9.000	7.00	10.800	100.00	20.00	40.00	12.006	1,650
M12	1.50	9.000	7.00	10.500	100.00	20.00	40.00	12.007	1,470
M14	1.00	11.000	9.00	13.000	100.00	20.00	40.00	14.006	1,900
M14	1.50	11.000	9.00	12.500	100.00	20.00	40.00	14.007	1,810
M16	1.50	12.000	9.00	14.500	100.00	22.00	44.00	16.007	2,050
M18	1.50	14.000	11.00	16.500	110.00	25.00	44.00	18.007	2,710
M20	1.50	16.000	12.00	18.500	125.00	25.00	44.00	20.007	3,660
M22	1.50	18.000	14.50	20.500	125.00	25.00	44.00	22.007	3,440
M24	1.50	18.000	14.50	22.500	140.00	28.00	48.00	24.007	3,960
M24	2.00	18.000	14.50	22.000	140.00	28.00	48.00	24.008	4,510

公制細牙 粉末螺旋鍍鈦 盲孔用

粉末材質 高壽命

Sim:#1292

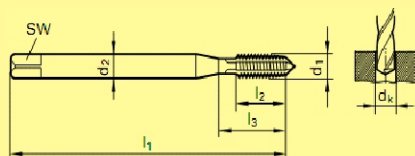


鈔領編號	5740
工具材質	HSS-E-PM
Standard	DIN374 / DIN2184-1
Surface	TiN Coated
Type	N R40
Form	C
公差等級	ISO / 2 6H

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
M8	1.00	6.000	4.90	7.000	90.00	11.00	35.00	8.005	1,100
M10	1.00	7.000	5.50	9.000	90.00	11.00	35.00	10.005	1,430
M10	1.25	7.000	5.50	8.800	100.00	14.00	39.00	10.006	1,390
M12	1.00	9.000	7.00	11.000	100.00	11.00	40.00	12.005	1,630
M12	1.25	9.000	7.00	10.800	100.00	16.00	40.00	12.006	1,780
M12	1.50	9.000	7.00	10.500	100.00	16.00	40.00	12.007	1,570
M14	1.00	11.000	9.00	13.000	100.00	11.00	40.00	14.006	1,900
M14	1.50	11.000	9.00	12.500	100.00	15.00	40.00	14.007	1,870
M16	1.50	12.000	9.00	14.500	100.00	15.00	44.00	16.007	2,420
M18	1.50	14.000	11.00	16.500	110.00	16.00	44.00	18.007	3,150
M20	1.50	16.000	12.00	18.500	125.00	16.00	44.00	20.007	3,590
M22	1.50	18.000	14.50	20.500	125.00	16.00	44.00	22.007	3,960
M24	1.50	18.000	14.50	22.500	140.00	16.00	48.00	24.007	4,030
M24	2.00	18.000	14.50	22.000	140.00	22.00	48.00	24.008	4,690

英制粗牙UNC先端 通孔用

Sim:#2881

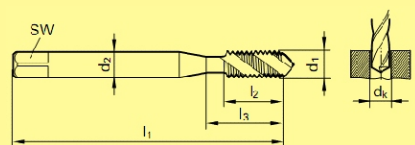


鈔領編號	5725
工具材質	HSS-E
Standard	DIN371 / DIN376 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	2B

直徑 d1-P	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
No. 4 - 40	3.500	2.70	2.350	56.00	11.00	18.00	2.845	640
No. 6 - 32	4.000	3.00	2.850	56.00	12.00	20.00	3.505	560
No. 8 - 32	4.500	3.40	3.500	63.00	13.00	21.00	4.166	580
No.10 - 24	6.000	4.90	3.900	70.00	14.00	25.00	4.826	770
1/4 - 20	7.000	5.50	5.100	80.00	16.00	30.00	6.350	630
5/16 - 18	8.000	6.20	6.600	90.00	18.00	35.00	7.938	770
3/8 - 16	10.000	8.00	8.000	100.00	20.00	39.00	9.525	990
7/16-14	8.000	6.20	9.400	100.00	22.00	42.00	11.113	1,010
1/2 - 13	9.000	7.00	10.800	110.00	25.00	49.00	12.700	1,230
5/8 - 11	12.000	9.00	13.500	110.00	30.00	53.00	15.875	1,560
3/4 - 10	14.000	11.00	16.500	125.00	33.00	62.00	19.050	2,010

英制粗牙UNC螺旋 盲孔用

Sim:#2855

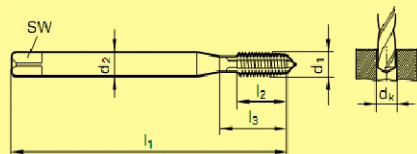


鈔領編號	5726
工具材質	HSS-E
Standard	DIN371 / DIN376 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	2B

直徑 d1-P	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
No. 4 - 40	3.500	2.70	2.350	56.00	7.00	18.00	2.845	810
No. 6 - 32	4.000	3.00	2.850	56.00	8.00	20.00	3.505	700
No. 8 - 32	4.500	3.40	3.500	63.00	8.00	21.00	4.166	750
No.10 - 24	6.000	4.90	3.900	70.00	11.00	25.00	4.826	730
1/4 - 20	7.000	5.50	5.100	80.00	13.00	30.00	6.350	790
5/16 - 18	8.000	6.20	6.600	90.00	14.00	35.00	7.938	770
3/8 - 16	10.000	8.00	8.000	100.00	16.00	39.00	9.525	840
7/16-14	8.000	6.20	9.400	100.00	18.00	42.00	11.113	1,340
1/2 - 13	9.000	7.00	10.800	110.00	20.00	49.00	12.700	1,230
5/8 - 11	12.000	9.00	13.500	110.00	24.00	53.00	15.875	1,560
3/4 - 10	14.000	11.00	16.500	125.00	25.00	62.00	19.050	2,120

英制細牙UNF先端 通孔用

Sim:#2885

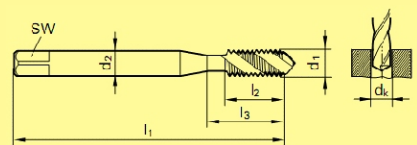


鈔領編號	5727
工具材質	HSS-E
Standard	DIN374 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	2B

直徑 d1-P	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
No. 4 -48	2.200		2.400	56.00	10.00	18.00	2.845	880
No. 6 -40	2.500	2.10	2.950	56.00	11.00	20.00	3.505	880
No.10 -32	3.500	2.70	4.100	70.00	14.00	25.00	4.826	880
1/4 - 28	4.500	3.40	5.500	80.00	16.00	30.00	6.350	1,080
3/8 - 24	7.000	5.50	8.500	90.00	18.00	35.00	9.525	1,170
5/8 - 18	12.000	9.00	14.500	100.00	22.00	44.00	15.875	1,980

英制細牙UNF螺旋 盲孔用

Sim:#2859



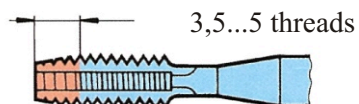
鈔領編號	5728
工具材質	HSS-E
Standard	DIN374 / DIN2184-1
Surface	氮化處理
Type	N R40
Form	C
公差等級	2B

直徑 d1-P	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
No. 4 -48	2.200		2.400	56.00	6.00	18.00	2.845	990
No. 6 -40	2.500	2.10	2.950	56.00	6.50	20.00	3.505	820
No.10 -32	3.500	2.70	4.100	70.00	8.50	25.00	4.826	770
1/4 - 28	4.500	3.40	5.500	80.00	9.00	30.00	6.350	920
3/8 - 24	7.000	5.50	8.500	90.00	11.00	35.00	9.525	990
5/8 - 18	12.000	9.00	14.500	100.00	15.00	44.00	15.875	2,050

Form A



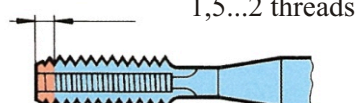
Form D



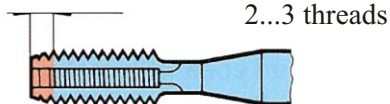
Form B



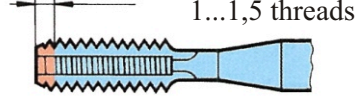
Form E



Form C

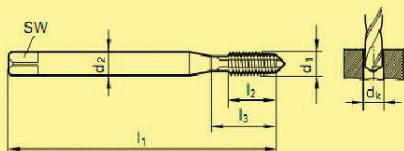


Form F



BSP管牙 先端 通孔用

Sim:#2887

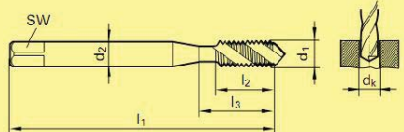


鈔領編號	5731
工具材質	HSS-E
Standard	DIN5156 / DIN2184-1
Surface	氮化處理
Type	N
Form	B
公差等級	-

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
G 1/8	28.00	7.000	5.50	8.800	90.00	18.00	35.00	9.728	790
G 1/4	19.00	11.000	9.00	11.800	100.00	20.00	40.00	13.157	1,060
G 3/8	19.00	12.000	9.00	15.250	100.00	22.00	44.00	16.662	1,300
G 1/2	14.00	16.000	12.00	19.000	125.00	25.00	44.00	20.955	1,790
G 3/4	14.00	20.000	16.00	24.500	140.00	28.00	53.00	26.441	3,520
G1	11.00	25.000	20.00	30.750	160.00	30.00	56.00	33.249	3,880

BSP管牙 螺旋 盲孔用

Sim:#2661



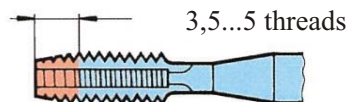
鈔領編號	5732
工具材質	HSS-E
Standard	DIN5156 / DIN2184-1
Surface	氮化處理
Type	NR40
Form	C
公差等級	-

直徑 d1	牙距 pitch	柄徑 d2	四方型 sw	下孔徑 dk	全長 l1	刃長 l2	加工長 l3	Code on.	價格
G 1/8	28.00	7.000	5.50	8.800	90.00	11.00	35.00	9.728	820
G 1/4	19.00	11.000	9.00	11.800	100.00	14.00	40.00	13.157	1,170
G 3/8	19.00	12.000	9.00	15.250	100.00	14.00	44.00	16.662	1,700
G 1/2	14.00	16.000	12.00	19.000	125.00	18.00	44.00	20.955	2,200
G 3/4	14.00	20.000	16.00	24.500	140.00	20.00	53.00	26.441	3,370
G1	11.00	25.000	20.00	30.750	160.00	24.00	56.00	33.249	4,690

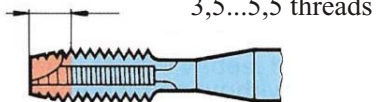
Form A



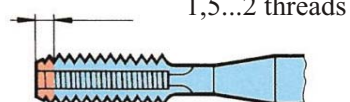
Form D



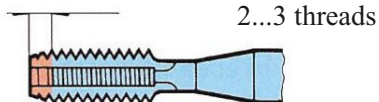
Form B



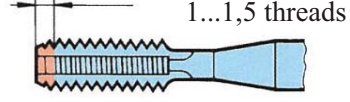
Form E



Form C

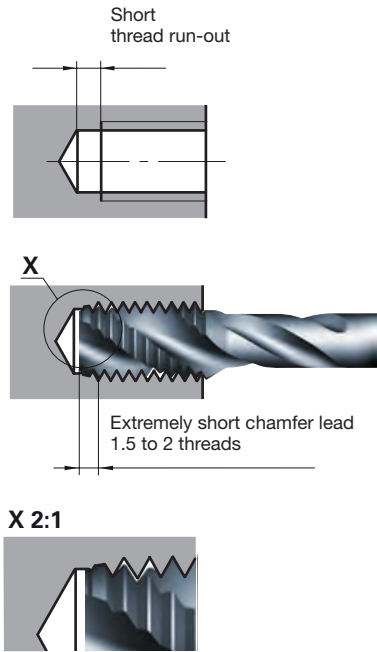


Form F



Why is Guhring increasingly offering Form E taps?

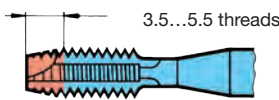
In addition to the conventional Form B and C for machine taps we are increasingly including Form E tools in our standard range. Thus, we are taking into account the increasing demand for taps with which threads can be produced as close as possible to the bottom of the bore when machining blind holes and to produce deepest threads as possible when machining through holes.



Taps with Form E feature an extremely short chamfer lead with only 1.5 to 2 threads. On modern machines and tapping chucks any inferior guidance of the tool in comparison to Forms B and C with long chamfer lead are eliminated. The run-out of the tap is impossible thanks to the rigid tool clamping. Taps with Form E can provide a significant advantage in the production of very deep reaching, fully tapped threads.

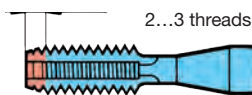
Conventional Forms B and C for machine taps

Form B



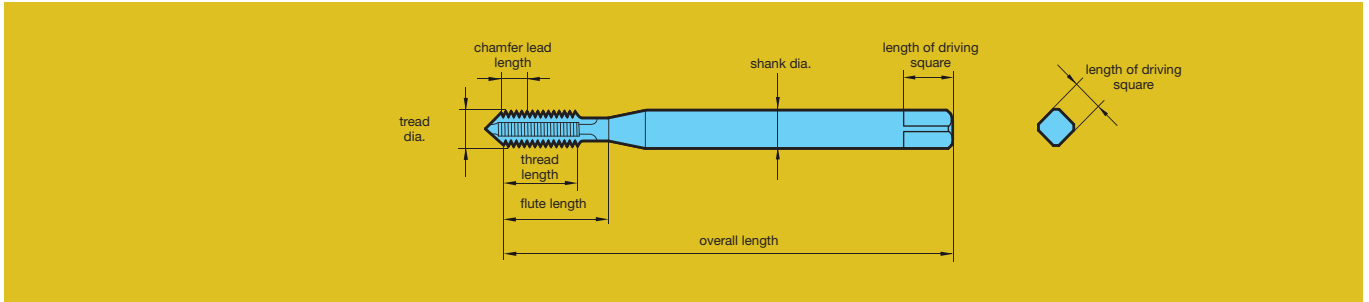
medium, 3.5 - 5.5 threads, with spiral point, for through holes

Form C

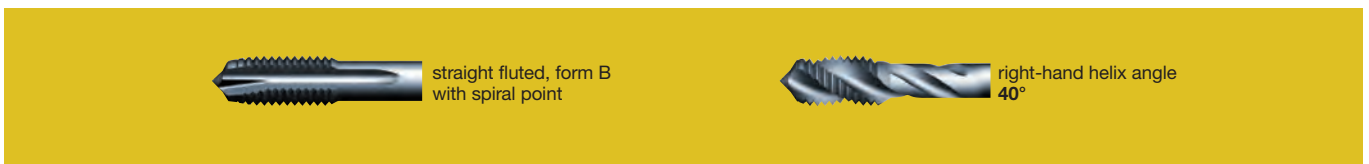


short, 2 - 3 threads for blind holes

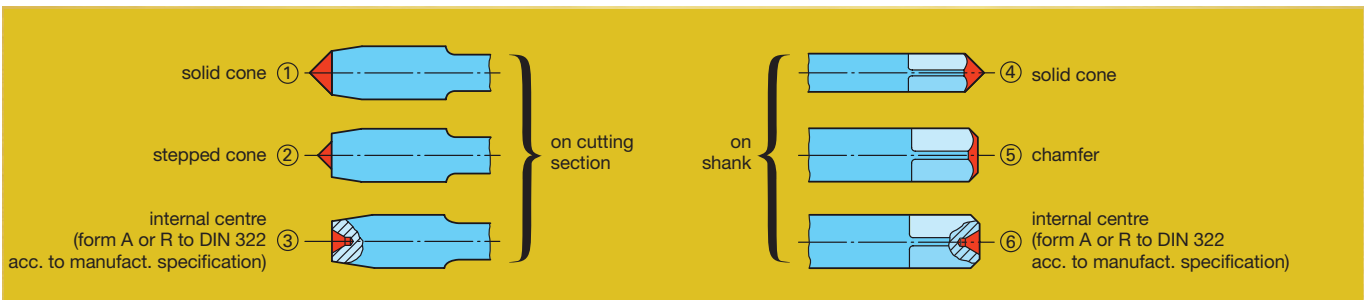
Definitions and angles



Flute forms



Types of centres



Thread dia. range mm	Centre on cutting section		Centre on shank
	with chamfer forms C, E	with chamfer form B	
≤ 4,2	①	①	④ ⑤ ⑥
> 4,2 ... 5,6	① ②	①	④ ⑤ ⑥
> 5,6 ... 10,0	① ② ③	① ② ③	④ ⑤ ⑥
> 10,0	③	③	⑥

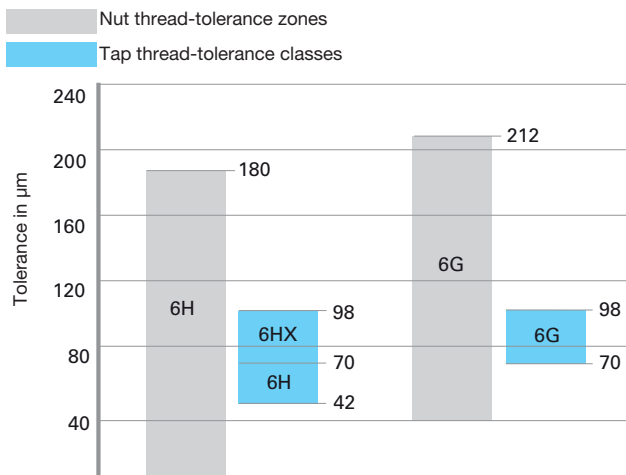


	Tensile strength MPa (N/mm ²)	Hardness HB	Cutting speed v _c m/min*	
			HSS-E	HSS-E-PM
Structural steels	≤ 850	–	10 - 15	15 - 20
Free-cutting steels	≤ 1000	–	10 - 20	15 - 25
Unalloyed case hardened steels	≤ 750	–	10 - 15	15 - 20
Unalloyed heat-treatable steels	≤ 850	–	10 - 15	15 - 20
Alloyed case hardened steels	≥ 850 ... 1200	–	8 - 12	10 - 15
Alloyed heat-treatable steels	≥ 850 ... 1200	–	8 - 12	10 - 15
Alloyed tool steels	≤ 1000	–	6 - 10	8 - 12
High speed tool steels	≥ 650 ... 1000	–	6 - 10	8 - 12
Stainl./acid-resist. steels, sulphured	≤ 850	–	6 - 12	8 - 15
	austenitic	≤ 850	–	6 - 12
	martensitic	≤ 850	–	6 - 12
Aluminum and Al-alloys	≤ 400	–	15 - 20	20 - 25
Al wrought alloys	≤ 400	–	15 - 20	20 - 25
Al cast alloys ≤ 10 % Si	≤ 600	–	15 - 20	20 - 25
	> 10 % Si	≤ 600	–	20 - 25
Cast iron	–	≤ 240	15 - 20	20 - 25
Spheroidal graphite iron	–	≤ 240	15 - 20	20 - 25
Malleable cast iron	–	< 300	15 - 20	20 - 25

* With coated tools Vc can be increased by up to 50%.

Available in all essential tolerances

Tolerance zone / tolerance class allocation



DIN EN 22857	
Application class of tap	
Class 2 ISO 2	Class 3 ISO 3
Tolerance zone of internal thread to be cut	
6H	6G
DIN 802 part 1 (withdrawn)	
Tolerance class of tap	
6H	6G

6H:


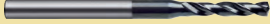







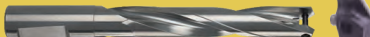
The tolerance zone 6H corresponds with the standard tolerance for taps to DIN EN 22857.

6HX:

The additional letter "X" (6HX) indicates taps produced with deviating tolerance to standard. These deviations are based upon the company standard. Taps produced to tolerance 6HX are, for example, selected for abrasive or tough materials.

6G:

The tolerance zone 6G corresponds with an over-size condition tolerance for taps to DIN EN 22857 and is applied for components that are, for example, surface treated.

Tap size		Tapping size hole Ø mm	Recommended core drills	
metric	inch			
M 2		1.600		
		2.350		carbide micro-precision drill, 4 x D, without IC, Guhring no. 6400
		2.400		
M 3		2.500		carbide micro-precision drill, 5 x D, with IC, Guhring no. 6405
		2.850		
		2.950		GU 500, jobber drill, HSCO, Guhring no. 5523
M 4		3.300		
		3.500		
		3.900		
	4.100			
M 5		4.200		
M 6		5.000		
	1/4 -20	5.100		
M 6 X 0.75		5.200		
	1/4 -28	5.500		
	5/16-18	6.600		
M 8		6.800		RT 100 U, 5 x D, with IC, Guhring no. 5511
M 8 X1		7.000		
	3/8 -16	8.000		RT 100 U, 5 x D, without IC, Guhring no. 5515
M10	3/8 -24	8.500		
M10 X1.25	G 1/8	8.800		GU 500, jobber drill, HSCO, Guhring no. 5523
M10 X1		9.000		
	7/16-14	9.400		
M12		10.200		
M12 X1.5		10.500		
M12 X1.25	1/2 -13	10.800		
M12 X1		11.000		
	G 1/4	11.800		
M14		12.000		
M14 X1.5		12.500		
M14 X1		13.000		
	5/8 -11	13.500		
M16		14.000		
M16 X1.5	5/8 -18	14.500		
M16 X1		15.000		
	G 3/8	15.250		RT 100 U, 5 x D, with IC, Guhring no. 5511
M 18		15.500		
M18 X1.5	3/4 -10	16.500		RT 100 U, 5 x D, without IC, Guhring no. 5515
M20		17.500		
M20 X1.5		18.500		HT 800 holder 5 x D and insert, Guhring no. 4108 + 4112
	G 1/2	19.000		
M22 X1.5		20.500		
M24		21.000		
M24 X2		22.000		
M24 X1.5		22.500		HT 800 holder 5 x D and insert, Guhring no. 4108 + 4112
	G 3/4	24.500		
	G1	30.750		

