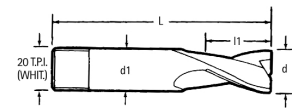


Cutter Ø	Shank Ø	Flute Length	Overall Length	Mfrs' List No.	Order Code
1.5	3	5	38	12305910	701-1064
2	3	6	38	12307870	701-1076
3	3	12	38	12311810	701-1088
4	4	14	50	12315750	701-1090
5	5	16	50	12319680	701-1106
6	6	19	63	12323620	701-1118

Cutter Ø	Order Code	Price Each				
		1+	4+	10+	20+	40+
1.5	701-1064					
2	701-1076					
3	701-1088					
4	701-1090					
5	701-1106					
6	701-1118					

Slot Drills 2-Flute 2.5% Cobalt BS 122/4

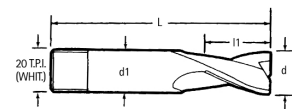


- HSSE, 2.5% Cobalt, screw shank slot drills
- Manufactured to closer than 'e8' tolerance to produce a precision 'P9' slot for keyways
- Can also be used for sinking cuts to produce pockets and closed slots
- For general-purpose applications up to medium toughness steels

d	l1	L	d1	Mfrs. List No.	Order Code
6.5	11.0	58.5	10.0	30-131-6.510.0	704-0246
7.0	11.0	58.5	10.0	30-131-7.010.0	704-0258
8.0	12.5	59.5	10.0	30-131-8.010.0	704-0271
9.0	14.5	60.5	10.0	30-131-9.010.0	704-0295
9.5	14.5	60.5	10.0	30-131-9.510.0	704-0301
10.0	14.5	60.5	10.0	30-131-10.010.0	704-0313
12.0	19.0	66.5	12.0	30-131-12.012.0	704-0337
15.0	22.0	72.0	16.0	30-131-15.016.0	704-0362
16.0	22.0	72.0	16.0	30-131-16.016.0	704-0374
20.0	25.5	77.0	16.0	30-131-20.016.0	704-0416

Order Code	Price Each				
	1+	4+	10+	20+	40+
704-0246					
704-0258					
704-0271					
704-0295					
704-0301					
704-0313					
704-0337					
704-0362					
704-0374					
704-0416					

Slot drills 2-Flute 8% Cobalt BS 122/4 (Metric)

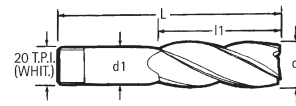


- HSSE-8% Cobalt, screw shank, slot drills
- Manufactured to closer than 'e8' tolerance to produce a precision 'P9' slot for keyways
- Mainly used for profiling and sinking cuts to produce pockets and closed slots at greater depths than normal series
- For general-purpose applications up to medium toughness steels

d	l1	L	d1	Mfrs. List No.	Order Code
2.5	4.5	51.0	6.0	302212.56.0	703-9438
3.0	7.0	51.0	6.0	302213.06.0	703-9440
3.5	7.5	52.5	6.0	302213.56.0	703-9451
4.0	9.5	52.5	6.0	302214.06.0	703-9463
5.0	9.5	52.5	6.0	302215.06.0	703-9487
6.0	11.0	56.5	6.0	302216.06.0	703-9505

Order Code	Price Each				
	1+	4+	10+	20+	40+
703-9438					
703-9440					
703-9451					
703-9463					
703-9487					
703-9505					

Multi-Flute Normal Series 2.5% Cobalt BS 122/4



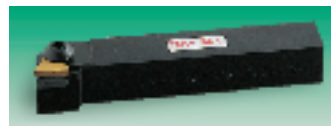
- HSSE, 2.5% Cobalt, screw shank end mills
- A range of cutters intended for profile milling
- Mills up to and including are suitable for centre cutting
- The cutters have end-cutting geometry to assist in ramp-down cutting or light-plunge cutting
- For general-purpose applications up to medium toughness steels

d	l1	L	d1	No. of Flutes	Mfrs. List No.	Order Code
Metric						
6.5	16.0	60.5	10	4	40131-6.510.0	705-3526
7.0	15.0	60.5	10	4	40131-7.010.0	705-3538
7.5	18.0	63.5	10	4	40131-7.510.0	705-3540
8.0	18.0	63.5	10	4	40131-8.010.0	705-3551
8.5	21.0	66.5	10	4	40131-8.510.0	705-3563
9.0	21.0	66.5	10	4	40131-9.010.0	705-3642
9.5	21.0	66.5	10	4	40131-9.510.0	705-3654
10.0	21.0	66.5	10	4	40131-10.010.0	705-3666
11.0	19.0	66.5	12	4	40131-11.012.0	705-3678
12.0	24.0	70.0	12	4	40131-12.012.0	705-3680
13.0	24.5	70.0	12	4	40131-13.012.0	705-3691
14.0	28.5	73.0	12	4	40131-14.012.0	705-3708
15.0	26.5	77.0	16	4	40131-15.016.0	705-3710
16.0	26.5	77.0	16	4	40131-16.016.0	705-3721
17.0	32.0	80.0	16	4	40131-17.016.0	705-3733
18.0	35.0	80.0	16	4	40131-18.016.0	705-3745
19.0	38.0	83.5	16	4	40131-19.016.0	705-3757
20.0	38.0	83.5	16	4	40131-20.016.0	705-3769
25.0	44.5	101.5	25	6	40131-25.025.0	705-3770
26.0	43.0	101.5	25	6	40131-26.025.0	705-3782
28.0	46.0	104.5	25	6	40131-28.025.0	705-3794
40.0	57.0	117.5	25	8	40131-40.025.0	705-3800

Order Code	Price Each				
	1+	4+	10+	20+	40+
705-3526					
705-3538					
705-3540					
705-3551					
705-3563					
705-3642					
705-3654					
705-3666					
705-3678					
705-3680					
705-3691					
705-3708					
705-3710					
705-3721					
705-3733					
705-3745					
705-3757					
705-3769					
705-3770					
705-3782					
705-3794					
705-3800					

Carbide Turning

Turning Holders for TPUN Inserts CTGP Series



Inserts sold separately

- Toolholder suitable for external turning with a 90° approach angle
- Inserts are held in place with a top clamp mounting system
- Cutting inserts are available separately

- Tool angles:**
- Cutting rake +5°
 - Back rake +1°

For suitable inserts see TPUN 160308, Page 1654.

H	B	L	F	E	Mfrs' List No.	Order Code
20	20	125	25	26	CTGPR 2020-16	711-9112
25	25	150	32	26	CTGPR 2525-16	711-9124

Toolholder Type	Order Code	Price Each			
		1+	3+	6+	12+
CTGPR 2020-16	711-9112				
CTGPR 2020-16	711-9124				

continued