

**MIRANDA CARBIDE TOOLS  
PRICE LIST**

EFFECTIVE FROM 10.04.2026

DPMSC10042026



**Certainty  
at every turn<sup>TM</sup>**

## TERMS & CONDITIONS

1. All Govt. taxes and levies are extra.
2. Delivery F.O.R destination
3. This price list is effective from 10.04.2026 and supersedes our previous Price list, prices are subject to revision without any notice.
4. For unlisted intermediate sizes, please contact the respective sales team.
5. We also manufacture special products as per your requirements.
6. Please contact our team for prices of customised products as per your requirements.

# CONTENT

## TUNGSTEN CARBIDE TIPPED TOOLS

ISO 1 (110) Bar Turning Tools .....	4
ISO 2 (111) Cranked Turning & Facing Tools .....	5
ISO 3 (123) Cranked Finishing Tools .....	5
ISO 5 (126 ) Cranked Facing Tools.....	6
ISO 6 ( 117 ) Cranked Knife Tools.....	6
ISO 7 (150) Parting Off Tools.....	6
ISO 8 (130) Boring Tools (Square ).....	7
ISO 8 (131) Boring Tools (Round) .....	7
ISO 9 (135) Boring Tools (Square).....	7
ISO 9 (136) Boring Tools (Round) .....	8
115 - Cranked Round Nose Turning Tools.....	8
116 Bar Turning Tools.....	8
140 ( 60° ) Boring Tools (Square).....	8
140 ( 60°) Boring Tools (Round) .....	9
141 ( 90°) Boring Tools (Square) .....	9
141 ( 90° ) Boring Tools (Round) .....	9
142 ( 45°) Boring Tools (Square) .....	9
142 ( 45° ) Boring Tools (Round) .....	10
156 Cranked Internal Recessing Tools .....	10
165 Straight Threading Tools ( 55°).....	10
165 Straight Threading Tools (60°) .....	10
166 Internal Threading Tools (60°).....	11
Ind-2 External Threading Tools .....	11
113 Straight Round Nose Turning Tool .....	11
122 Pointed Turning Tools.....	11
ISO 4 (127) Recessing Tools .....	12
163 Straight Turning & Grooving Tools.....	12
Customised CTT .....	12

## TUNGSTEN CARBIDE ROTARY BURRS

Tungsten Carbide Rotary Burrs .....	14
Customised TCRB .....	17

## SOLID CARBIDE ENDMILLS

2 Flute Solid Carbide End Mill .....	20
4 Flute Solid Carbide End Mill Standard .....	20
4 Flute Solid Carbide End Mill Long .....	21
4 Flute Solid Carbide End Mill Extra Long .....	22
2 Flute Solid Carbide Ball Nose End Mill Standard .....	22
4 Flute Solid Carbide Ball Nose End Mill Standard .....	23
4 Flute Solid Carbide Ball Nose End Mill Long.....	23
4 Flute Solid Carbide Ball Nose End Mill Extra Long.....	24
Customised Solid carbide Endmills.....	24

## PREMIUM MAXX PRO SOLID CARBIDE ENDMILLS

4 Flute SC Sq. End Mill Maxx Pro - Standard Length (45 To 60 HRC).....	25
4 Flute SC Sq. End Mill Maxx Pro - Long Length (45 To 60 HRC).....	26
2 Flute SC Ball Nose Maxx Pro - Standard Length (45 To 60 HRC).....	26
4 Flute SC Ball Nose Maxx Pro - Standard Length (45 To 60 HRC) .....	26
4 Flute SC Ball Nose Maxx Pro - Long Length (45 To 60 HRC) .....	28
4 Flute SC Ball Nose Maxx Pro - Extra Long Length (45 To 60 HRC ) .....	28
Customised MAXX PRO Solid carbide Endmills .....	28

## SOLID CARBIDE DRILL, CENTRE DRILL & REAMER

Solid Carbide Jobber Drill .....	29
Solid Carbide Stub Drill.....	31
Solid Carbide Centre Drill 60° Countersink, Bright .....	33
Solid Carbide Centre Drill 60° Countersink, Bright Bs Type .....	33
Solid Carbide Reamer, H7 Accuracy, Bright Finish.....	34
Customised Solid Carbide Drills .....	34

# TUNGSTEN CARBIDE TIPPED TOOLS

## INTRODUCTION

Miranda Carbide tipped tools are ready to use tools for various machining applications in tough and unstable conditions. Specially designed shank and unique process of brazing gives optimum performance and higher tool life




- Available in various grades in P and K series of carbide grade suiting to various application

## FEATURES & BENEFITS

- ▶ Specially designed with ready to use for cutting on heavy machine
- ▶ Capability to absorb shock, best to use in interrupted cutting.
- ▶ Unique shank design helps proper mounting of tools

[BACK TO CONTENT PAGE](#)

TUNGSTEN CARBIDE TIPPED TOOLS

ISO 1 (110) BAR TURNING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90	*	828	*	*	*	*	*	828	*	*	*	*
	1212	100	*	900	*	*	*	900	*	900	*	*	*	*
	1616	110	*	1,210	*	*	*	1,210	*	1,210	*	*	*	*
	2020	125	*	1,940	1,940	*	*	1,940	*	1,940	*	*	*	*
	2525	140	*	2,910	2,910	*	*	2,910	*	2,910	*	*	*	2,910
	3232	170	*	4,740	*	*	*	*	*	4,740	*	*	*	*
	4040	200	*	*	*	*	*	*	*	*	*	*	*	*
	5050	240	*	*	*	*	*	*	*	*	*	*	*	*
	1610	110	*	*	*	*	*	*	*	*	*	*	*	*
	2012	125	*	1,340	*	*	*	*	*	*	*	*	*	*
	2516	140	*	*	*	*	*	*	*	*	*	*	*	*
	3220	170	*	*	*	*	*	*	*	*	*	*	*	*
	4025	200	*	*	*	*	*	*	*	*	*	*	*	*
	5032	240	*	*	*	*	*	*	*	*	*	*	*	*
	6040	280	*	*	*	*	*	*	*	*	*	*	*	*

ISO 2 (111) CRANKED TURNING & FACING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90	*	900	900	*	*	900	*	900	*	*	*	900
	1212	100	*	990	*	*	*	990	*	990	*	*	990	990
	1616	110	1,370	1,370	1,370	*	1,370	1,370	*	1,370	1,370	*	*	1,370
	2020	125	1,900	1,900	1,900	*	1,900	1,900	*	1,900	1,900	*	1,900	1,900
	2516	140	*	1,940	*	*	*	*	*	1,940	*	*	*	*
	2525	140	2,850	2,850	2,850	2,850	2,850	2,850	*	2,850	2,850	*	*	2,850
	3220	170	*	3,080	*	*	*	3,080	*	*	*	*	*	3,080
	3232	170	*	4,910	4,910	*	*	4,910	*	4,910	4,910	*	*	4,910
	4025	200	*	*	*	*	*	5,500	*	*	*	*	*	*
	4040	200	*	9,550	*	*	9,550	*	*	*	*	*	*	*

ISO 3 (123) CRANKED FINISHING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90	900	900	900	*	*	900	900	900	900	*	*	*
	1212	100	990	990	990	*	*	990	990	990	990	*	*	990
	1610	110	1,070	1,070	1,070	*	*	*	1,070	1,070	1,070	*	*	*
	1616	110	1,370	1,370	*	*	*	1,370	1,370	1,370	*	*	*	1,370
	2012	125	1,440	1,440	1,440	*	*	1,440	1,440	1,440	1,440	*	*	1,440
	2020	125	1,900	1,900	1,900	*	*	1,900	1,900	1,900	1,900	*	1,900	1,900
	2516	140	1,940	1,940	1,940	*	*	*	1,940	1,940	1,940	*	*	*
	2525	140	2,850	2,850	*	*	*	2,850	2,850	2,850	*	2,850	*	2,850
	3220	170	3,080	3,080	3,080	*	*	*	3,080	3,080	3,080	*	*	*
	3232	170	4,910	4,910	*	*	4,910	*	4,910	4,910	*	*	*	*
	4040	200	*	*	5,500	*	*	*	*	*	*	*	*	*
	5050	240	*	9,550	*	*	*	*	*	*	*	*	*	9,550

[BACK TO CONTENT PAGE](#)

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TUNGSTEN CARBIDE TIPPED TOOLS

ISO 5 (126)  
CRANKED FACING  
TOOLS



SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO						LEFT HAND (LH), PRICE (RS)/NO					
		P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
1010	90	900	900	900	*	*	900	900	900	900	*	*	900
1212	100	990	990	990	*	*	990	990	990	990	*	*	990
1610	110	1,070	*	1,070	*	*	*	1,070		1,070	*	*	*
1616	110	1,370	1,370		*	*	1,370	1,370	1,370	1,370	*	1,370	1,370
2012	125	1,450	1,450	1,450	*	*	*	1,450	1,450	1,450	*	*	*
2020	125	1,900	1,900		*	*	1,900	1,900	1,900	1,900	*	*	1,900
2516	140	1,940	1,940	1,940	*	*	*	1,940		*	*	*	1,940
2525	140	2,850	2,850	*	*	*	2,850	2,850	2,850	*	*	*	2,850
3220	170	3,080	3,080	3,080	*	*	*	3,080	3,080	3,080	*	*	*
3232	170	4,910	4,910	*	*	*	4,910	4,910	4,910	*	*	*	*
4025	200	*	*	5,500	*	*	5,500	*	*	*	*	*	5,500
4040	200	*	*	*	*	*	*	*	*	*	*	*	*
5050	240	*	*	*	*	*	*	*	*	*	*	*	*
1/2"	100	*	*	*	*	*	990	*	*	*	*	*	*
5/8"	110	*	*	*	*	*	1,900	*	*	*	*	*	*
3/4"	125	*	*	*	*	*	1,370	*	*	*	*	*	*

ISO 6 (117)  
CRANKED KNIFE  
TOOLS



SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO						LEFT HAND (LH), PRICE (RS)/NO					
		P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
0606	70	*	806	806	*	*	*	*	*	*	*	*	*
0808	80	*	904	904	*	*	904	*	904	*	*	*	*
1010	90	900	900	900	*	*	900	900	900	900	*	*	900
1212	100	990	990	990	*	990	990	990	990	990	*	990	990
1610	110	1,070	1,070	1,070	*	*	*	1,070	1,070	1,070	*	*	*
1616	110	1,370	1,370	1,370	*	1,370	1,370	1,370	1,370	1,370	*	*	1,370
2012	125	1,450	1,450	1,450	*	*	*	1,450	1,450	1,450	*	*	*
2020	125	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900
2516	140	1,940	1,940	1,940	*	*	1,940	1,940	1,940	1,940	*	*	*
2525	140	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850
3220	170	3,650	3,650	3,650	*	*	3,650	3,650	3,650	3,650	*	*	3,650
3232	170	4,910	4,910	4,910	4,910	*	4,910	4,910	4,910	4,910	*	*	4,910
4025	200	*	5,550	*	*	*	5,550	*	5,550	*	*	*	5,550
4040	200	*	9,554	*	*	*	9,554	*	*	*	*	*	9,554
5050	240	*	*	*	*	*	*	*	20,300	*	*	*	*

ISO 7 (150)  
PARTING OFF  
TOOLS



SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO						LEFT HAND (LH), PRICE (RS)/NO					
		P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
1006	90	900	900	900	*	*	900	900	*	900	*	*	*
1010	90	*	1,080	*	*	*	1,080	*	1,080	*	*	*	1,080
1208	100	1,070	1,070	1,070	1,070	*	1,070	1,070	1,070	1,070	*	*	1,070
1212	100	*	1,230	1,230	*	*	1,230	*	1,230	*	*	*	1,230
1610	110	1,130	1,130	1,130	1,130	*	1,130	1,130	1,130	1,130	*	*	1,130
1616	110	*	1,360	1,360	*	*	1,360	*	1,360	*	*	*	1,360
2012	125	1,260	1,260	1,260	1,260	*	1,260	1,260	1,260	1,260	*	*	1,260
2020	125	*	1,500	1,500	*	*	1,500	*	1,500	*	*	*	1,500
2516	140	1,660	1,660	1,660	1,660	*	1,660	1,660	1,660	1,660	*	*	1,660
2525	140	*	2,010	2,010	*	*	2,010	*	2,010	2,010	*	*	2,010
3220	170	2,670	2,670	2,670	*	*	2,670	2,670	2,670	2,670	*	*	2,670
3232	170	*	3,190	*	*	*	*	*	3,190	*	*	*	*
4025	200	4,420	4,420	4,420	*	4,420	4,420	*	4,420	4,420	*	*	4,420
5032	240	*	*	*	*	*	*	*	*	*	*	*	*

[BACK TO CONTENT PAGE](#)

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TUNGSTEN CARBIDE TIPPED TOOLS

ISO 8 (130) BORING TOOLS (SQUARE)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0808	125	*	1,660	1,660	*	*	1,660	*	1,660	*	*	*	*
	1010	150	*	1,780	1,780	*	*	1,780	*	1,780	*	*	*	1,780
	1212	180	*	1,940	1,940	1,940	*	1,940	*	1,940	*	*	*	1,940
	1616	210	*	2,330	*	*	2,330	2,330	*	2,330	2,330	*	*	2,330
	2020	250	*	2,850	2,850	*	*	2,850	*	2,850	*	*	*	2,850
	2525	300	*	5,350	5,350	*	*	5,350	*	5,350	5,350	*	*	5,350
	3232	355	6,950	6,950	*	*	*	6,950	*	6,950	*	*	*	6,950
	4040	400	*	10,100	*	*	*	*	*	*	*	*	*	*
	5050	450	*	*	*	*	*	*	*	*	*	*	*	*

ISO 8 (131) BORING TOOLS (ROUND)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0008	125	*	1,540	*	*	*	1,540	*	1,540	*	*	*	1,540
	0010	150	*	1,660	*	*	*	1,660	*	1,660	*	*	*	1,660
	0012	180	*	1,780	*	*	*	1,780	*	1,780	*	*	*	1,780
	0016	210	*	2,040	*	*	*	2,040	*	2,040	*	*	*	2,040
	0020	250	*	2,490	*	*	*	2,490	*	2,490	*	*	*	2,490
	0025	300	*	4,740	*	*	*	4,740	*	4,740	*	*	*	*
	0032	355	*	6,050	*	*	*	*	*	*	*	*	*	*

ISO 9 (135) BORING TOOLS (SQUARE)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0606		*	1,660	*	*	*	*	*	*	*	*	*	
	0808	125	1,660	1,660	1,660	1,660	*	1,660	*	1,660	1,660	*	*	1,660
	1010	150	1,780	1,780	1,780	*	*	1,780	*	1,780	1,780	*	*	1,780
	1212	180	1,940	1,940	1,940	1,940	*	1,940	*	1,940	1,940	*	*	1,940
	1414	180	*	2,330	*	*	*	*	*	*	*	*	*	*
	1616	210	2,330	2,330	2,330	2,330	*	2,330	*	2,330	2,330	*	*	2,330
	2020	250	2,850	2,850	2,850	2,850	*	2,850	*	2,850	2,850	*	*	2,850
	2525	300	5,350	5,350	5,350	5,350	*	5,350	*	5,350	5,350	*	*	5,350
	3232	355	6,950	6,950	*	6,950	*	6,950	*	6,950	6,950	*	*	*
	4040	400	*	10,100	*	*	*	*	*	*	*	*	*	*


[BACK TO CONTENT PAGE](#)

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TUNGSTEN CARBIDE TIPPED TOOLS

ISO 9 (136) BORING TOOLS (ROUND)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0008	125	1,540	1,540	1,282	*	*	1,540	*	1,540	*	*	*	*
	0010	150	1,660	1,660	1,660	*	*	1,660	*	1,660	*	*	*	*
	0012	180	1,780	1,780	1,780	*	*	1,780	*	1,780	*	*	*	*
	0016	210	2,040	2,040	2,040	*	*	2,040	*	2,040	*	*	*	*
	0020	250	2,490	2,490	2,490	*	*	2,490	*	*	*	*	*	*
	0025	300	4,740	4,740	4,740	*	*	4,740	*	*	*	*	*	*
	0032	355	6,050	6,050	6,050	*	*	6,050	*	*	*	*	*	*

115 - CRANKED ROUND NOSE TURNING TOOLS.	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90	*	990	*	*	*	990	*	990	*	*	*	*
	1212	100	*	1,050	1,050	*	*	1,050	*	1,050	*	*	*	1,050
	1616	110	*	1,450	1,450	*	1,450	1,450	*	1,450	*	*	*	1,450
	2012		*	1,390	*	*	*	*	*	*	*	*	*	*
	2020	125	*	2,160	2,160	*	*	2,160	*	2,160	*	*	*	2,160
	2516		*	*	*	*	1,900	1,900	*	1,900	*	*	*	*
	2525	140	*	3,120	*	*	*	*	*	3,120	*	*	*	3,120
	3220		*	*	*	*	*	*	*	2,640	*	*	*	*
	3232	170	*	6,050	*	*	*	*	*	6,050	*	*	*	*
	4025		*	*	*	*	*	*	*	5,256	*	*	*	*

116 BAR TURNING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90		815				815		815				
	1212	100		900				900		900				900
	1616	110		1,200				1,200		1,200				1,200
	2012			1,560										
	2020	125		1,780				1,780		1,780				1,780
	2516			2,230				2,230		2,230				
	2525	140		2,750				2,750		2,750				2,750
	3232	170		4,750						4,750				

140 (60°) BORING TOOLS (SQUARE)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0808	24		1,040										
	1010	50		1,040				1,040		1,040			1,040	1,040
	1212	60		1,190	1,190			1,190		1,190				1,190
	1616	90		1,660	1,660			1,660						1,660
	2020	120		2,640						2,640				
	2525	175		3,480										
	3/8"	50						1,040						
	1/2"	60						1,190						
	5/8"	90						1,660						
	3/4"	120						2,640						
	1"	175												

[BACK TO CONTENT PAGE](#)

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TUNGSTEN CARBIDE TIPPED TOOLS

140 (60°) BORING TOOLS (ROUND)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0008	24							900					
	0010	50												
	0012	60						1,050						1,050
	0016	90												1,370
	0020	120							2,450					
	0025	175												
	3/8"	50												
	1/2"	60												
	5/8"	90												
	3/4"	120												2,450
	1"	175												

141 (90°) BORING TOOLS (SQUARE)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0808	24												
	1010	50		1,040					1,040					
	1212	60		1,190					1,190					1,190
	1616	90		1,660					1,660					
	2020	120		2,640					2,640					2,640
	2525	175		3,480					3,170					
	3/8"	50												
	1/2"	60												
	5/8"	90		1,660										
	3/4"	120		2,640										
	1"	175												

141 (90°) BORING TOOLS (ROUND)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0008	24		900					900					
	0010	50		900					900					
	0012	60		1,050					1,050					
	0016	90		1,370					1,370			1,370		
	0020	120										2,450		
	0025	175		3,180										

142 (45°) BORING TOOLS (SQUARE)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0808	24		1,040										
	1010	50		1,040					1,040					
	1212	60		1,190										
	1616	90		1,660									1,660	
	2020	120		2,641						2,641				
	2525	175												3,480

TUNGSTEN CARBIDE TIPPED TOOLS

142 (45°) BORING TOOLS (ROUND)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	0008	24								900				
	0010	50								900				
	0012	60												
	0016	90												1,370
	0020	120												
	0025	175												

156 CRANKED INTERNAL RECESSING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90		1,700	1,700				1,700		1,700			1,700
	1212	100		1,940	1,940				1,940		1,940			1,940
	1616	110		2,170	2,170				2,170		2,170			2,170
	2020	125		2,810	2,810	2,810			2,810		2,810			2,810
	2525	140		3,840	3,840				3,840					
	3232	170		5,450	5,450									
	4040	315		9,050										

165 STRAIGHT THREADING TOOLS (55°)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90			1,190						1,190			
	1212	100			1,260									
	1610				1,450						1,450			
	1616	110			1,640									
	2012				1,690									
	2020	125			2,230									
	2516													
	2525	140			3,310						3,310			
	3232	170			4,390						4,390			

165 STRAIGHT THREADING TOOLS (60°)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					LEFT HAND (LH), PRICE (RS)/NO						
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
	1010	90		1,190	1,190				1,190		1,190	1,190		
	1212	100		1,260	1,260				1,260		1,260	1,260		1,048
	1610				1,450						1,450			
	1616	110		1,640	1,640				1,640		1,640	1,640		1,640
	2012				1,690						1,500			
	2020	125		2,230	2,230				2,230		2,230	2,230		2,230
	2516				2,010						2,010			
	2525	140		3,310	3,310				3,310		3,310			
	3232	170		4,390	4,390									

[BACK TO CONTENT PAGE](#)

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## TUNGSTEN CARBIDE TIPPED TOOLS

166 INTERNAL THREADING TOOLS (60°)	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO						LEFT HAND (LH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
			1010	90		1,960	1,960			1,960		1,960	1,960	
1212	100		2,220	2,220			2,220		2,220				2,220	
1616	110		2,410	2,410	2,410		2,410		2,410				2,410	
2020	125		2,950	2,950	2,950		2,950		2,950					
2525	140		3,870	3,870	3,870		3,870		3,870					
3232	170		5,850	5,850			5,850							

IND-2 EXTERNAL THREADING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO						LEFT HAND (LH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20	P20	P30	P40	K05	K10	K20
			1010	90		1,400				1,400				
1212	100						1,650		1,650					
1616	110		1,750	1,750			1,750		1,750					
2020	125		1,950	1,950	1,950				1,950					
2525	140		3,250				3,250		3,250					

TUNGSTEN CARBIDE TIPPED TOOLS  
NEUTRAL SHAPE


113 STRAIGHT ROUND NOSE TURNING TOOL	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20
			1010	90		900		
1212	100		990				990	
1616	110		1,390	1,390			1,390	
2012			1,320					
2020	125		2,160	2,160			2,160	
2525	140		3,120			3,120	3,120	
3220			2,510				2,510	
3232	170		5,800				5,800	
4040	200						10,727	

122 POINTED TURNING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20
			1010	90		900		
1212	100		1,100	1,100			1,100	
1616	110		1,210				1,210	
2012	125							
2020	125		1,660				1,660	
2516	140		1,660				1,660	
2525	140				2,370		2,370	
3220	170		2,480				2,480	
3232	170		5,850				5,850	

BACK TO CONTENT PAGE

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**TUNGSTEN CARBIDE TIPPED TOOLS  
NEUTRAL SHAPE**

ISO 4 (127) RECESSING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20
	1010	90		900				
	1212	100	1,110	1,110				1,110
	1610	110						
	1616	110	1,650	1,650				1,650
	2012	125						
	2020	125		2,480	2,480			2,480
	2516	140						
	2525	140		4,040	4,040			4,040
	3220	170						
	3232	170						7,950

163 STRAIGHT TURNING & GROOVING TOOLS	SHANK SIZE H X B (mm)	L (mm)	RIGHT HAND (RH), PRICE (RS)/NO					
			P20	P30	P40	K05	K10	K20
	1010	90	1,100	1,100	1,100			1,100
	1212	100	1,260	1,260	1,260		1,260	1,260
	1610	110	1,080	1,080	1,080			
	1616	110	1,900	1,900	1,900			1,900
	2012	125	1,380	1,380	1,380			
	2020	125	2,770	2,770	2,770	2,770	2,770	2,770
	2516	140	2,080	2,080	2,080			
	2525	140	4,620	4,620	4,620	4,620	4,620	4,620
	3220	170	3,410		3,410			
	3232	170	10,100	10,100	10,100			10,100
	4025	200						
	4040	200	19,300	19,300	19,300			19,300
	5032	240						

**CUSTOMISED CTT**

PRODUCT DESCRIPTION	PRICE (RS/NO)	PRODUCT DESCRIPTION	PRICE (RS/NO)
CTT ISO 6 NO.117 10X10 LH GR.K20 C TIP	900	CTT AS PER ISO 2 NO.111 16X16X135 RH P40	1,500
CTT ISO 6 NO.117 12X12 LH GR.K20 CTIP	990	CTT AS PER ISO 6 NO.117 16X16X135 LH P40	1,500
CTT ISO 6 NO.117 12X12 RH GR.K20 C TIP	990	CTT AS PER ISO 6 NO.117 16X16X135 RH P40	1,500
CTT AS PER ISO NO.165 10 X10ST GR.K20	1,190	CTT AS PER ISO NO.141 16X16X60 LH P40	1,590
CTT AS PER ISO NO.165 10 X10ST GR.P30	1,190	CTT AS PER ISO NO.165 16 X16ST GR.K20	1,640
CTT AS PER ISO NO.165 12 X12ST GR.K20	1,260	CTT AS PER ISO NO.165 16 X16ST GR.P30	1,640
CTT AS PER ISO NO.165 12 X12ST GR.P30	1,260	CTT TO IND2 12X12 RH P30 STD 60DEG	1,650
CTT AS PER ISO NO.165 12 X12ST GR.P40	1,260	CTT AS PER ISO NO.122 ( IND - 1 ) 20 X20 RH P30	1,660
CTT AS PER ISO 2 NO.111 16X16 RH THM	1,370	CTT AS PER ISO 7 NO.150 20X16 LH GR.K20	1,660
CTT ISO 6 NO.117 16X16 LH GR.K20 CTIP	1,370	CTT AS PER ISO 2 NO.111 16X16X160 RH K10	1,720
CTT ISO 6 NO.117 16X16 RH GR.K20 CTIP	1,370	CTT AS PER ISO 7 NO.150 25X16X165 LH P40	1,830
CTT ISO 6 NO.117 16X16 LH GR.P30 CTIP	1,370	CTT AS PER ISO 7 NO.150 25X16X165 RH P40	1,830
CTT ISO 6 NO.117 16X16 RH GR.P30 CTIP	1,370	CTT ISO 6 NO.117 20X20 RH GR.K20 CTIP	1,900
CTT ISO 6 NO.117 16X16 RH GR.P40 CTIP	1,370	CTT ISO 6 NO.117 20X20 RH GR.P30 CTIP	1,900
CTT AS PER ISO NO.165 16 X10ST GR.P30	1,450	CTT IND2 20X20 60DEG RH K20	1,950
CTT AS PER ISO 2 NO.111 16X16X135 LH P40	1,500	CTT IND-2 RH 2020 60DEGP 30	1,950

[BACK TO CONTENT PAGE](#)

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**CUSTOMISED CTT**

PRODUCT DESCRIPTION	PRICE (RS/NO)
CTT AS PER IND-2 20X20 RH GR.P10	1,950
CTT AS PER ISO NO.166 10X10 RH 55° P40	1,960
CTT AS PER ISO 7 NO.150 25X16X160 RH K10	1,970
CTT AS PER ISO NO.122 20X20X200 LH P30	2,060
CTT AS PER ISO 6 NO.117 20X20X200 LH GR. P30	2,140
CTT AS PER ISO 6 NO.117 20X20X10" length LH K20	2,160
CTT AS PER ISO 6 NO.117 20X20X10"Length RH K20	2,160
CTT AS PER ISO NO.166 12X12 RH 55° GR.P4	2,220
CTT AS PER ISO NO.165 20 X20ST GR.K20	2,230
CTT AS PER ISO NO.165 20 X20ST GR.P30	2,230
CTT AS PER ISO NO.165 20 X20ST GR.P40	2,230
CTT AS PER ISO NO.122 (IND1) 25X25 80DEG P30	2,370
CTT AS PER ISO NO.166 16X16 RH 55° P40	2,410
CTT AS PER ISO 6 NO.117 25X25 RH THM	2,850
CTT AS PER ISO 1 NO.110 25X25 RH GR.P10	2,910
CTT AS PER ISO NO.166 20X20 RH 55° P40	2,950
CTT ISO 2 NO.111 25X25X170 RH P30	3,020

PRODUCT DESCRIPTION	PRICE (RS/NO)
CTT AS PER ISO 2 NO.111 25X25X160 RH K10	3,150
CTT AS PER ISO 6 NO.117 25X25X160 LH K10	3,150
CTT AS PER ISO 6 NO.117 25X25X160 RH K10	3,150
CTT AS PER ISO 2 NO.111 25X25X165 LH P4	3,200
CTT AS PER ISO 2 NO.111 25X25X165 RH P40	3,200
CTT AS PER ISO 6 NO.117 25X25X165 LH P40	3,200
CTT AS PER ISO 6 NO.117 25X25X165 RH P40	3,200
CTT AS PER ISO NO.165 25 X25ST GR.K20	3,310
CTT AS PER ISO NO.165 25 X25ST GR.P30	3,310
CTT AS PER ISO NO.166 25X25 RH 55° P40	3,870
CTT AS PER ISO NO.166 25X25X180 RH P30	4,060
CTT AS PER ISO NO.165 32 X32ST GR.P30	4,390
CTT ISO 6 NO.117 32X32 RH GR.K20 C TIP	4,910
CTT AS PER ISO 163 25X25X165 ST K10	4,940
CTT AS PER ISO NO.166 32X32X200 RH K20	6,050
CTT AS PER ISO 9 NO.135 32X32X160 LH K20	6,950
CTT AS PER ISO NO.163 50X50X200 ST K20	19,600

**MATERIAL TO BE MACHINED**

IDENTIFICATION COLOUR	DESIGNATION	MATERIAL TO BE MACHINED
Blue	P20	tip grade suitable for materials forming long chips at finishing to medium cutting conditions primary for carbon steel alloy steel and malleable cast iron in continuous cut. Suitable for Turning and milling applications.
	P30	tip grade Suitable for materials forming long chips at medium to low cutting conditions primary for carbon steel alloy steel and malleable cast iron under unfavourable conditions such as heat erogenous materials changing hardness or chip section. Suitable for Turning, milling and planning applications, intermittent turning or subjec to vibrations.
	P40	tip grade suitable for materials forming large chip section with possibility of using large rake angle for maching under unfavourable conditions Steel, steel casting with sand inclusions or shrinkage cavities Machining Conditions Turning, Planning & Shapping-Low cutting speed, , such as heat erogenous materials, changing hardness or chip sections, intermillent turning or subject to vibrations; and work on automatic machines.
Red	K05	Tip grade is suitable for finishing to general machining of most workpiece materials at higher speeds. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials and super alloys under stable conditions. Tough substrate and improved adhesion of thick coating show superior wear resistance.
	K10	Tip grade suitable for Grey cast iron of hardness more than 220 HB, Malleable cast iron forming short chips, Tempered steel, Cast Aluminium and Aluminium alloys containing silicon, copper alloys, plastics, glass, hard rubber, hard carboard, porcelain, stone. Machining Conditions Turning, Milling, Boring, Scraping
	K20	Tip grade suitable for Grey cast iron of hardness up to 220 HB, Non-ferrous metals, such as Copper, Brass, . Wrought Aluminium, Laminated wood of abrasive type . Machining Conditions Turning, Milling, planning, requiring high toughness.

[BACK TO CONTENT PAGE](#)

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## TUNGSTEN CARBIDE ROTARY BURRS (TCRB)

### INTRODUCTION

Miranda Tungsten Carbide Burrs are designed for removing burrs created post machining and for removal of extra material of virtually any strength; the superior performance reflects due to premium grade of carbide & specially design geometry.



### FEATURES & BENEFITS






- ▶ Provides smooth operating behaviour
- ▶ Prevents chatter marks on account of better chip evacuation
- ▶ lowest runout
- ▶ Better chip evacuation
- ▶ Available in Uncoated and TiN Coated



- Shank Dia : 3 mm & 6 mm
- Various shapes like conical, cylindrical, cone, flame, oval, RIM, ball, tree etc are available to cater wide range of application

[BACK TO CONTENT PAGE](#)

## TUNGSTEN CARBIDE ROTARY BURRS

SHAPE	MIRANDA CODE	DESCRIPTION HEAD DIA X HEAD LENGTH X OAL LENGTH X SHANK DIA	PRICE (RS)/NO			
			STANDARD CUT	DOUBLE CUT	STANDARD CUT TIN COATED	
CONICAL 	MAM1	3MM X 11MM X 38MM X 3SHK	992	1,020	1,090	
	MAM2	6MM X 11MM X 38MM X 3SHK	1,300	1,340	1,430	
	AM1	6MM X 19MM X 60MM X 6SHK	1,540	1,490	1,690	
	AM2	10MM X 20MM X 70MM X 6SHK	1,540	1,590	1,690	
	AM3	12MM X 25MM X 75MM X 6SHK	2,120	2,180	2,330	
	AM4	10MM X 12MM X 60MM X 6SHK	1,610	1,650	1,760	
	AM5	16MM X 13MM X 63MM X 6SHK	2,310	2,380	2,600	
	AM6	16MM X 16MM X 66MM X 6SHK	2,310	2,380	2,600	
CYLINDRICAL RADIUS END 	MBM1	3MM X 16MM X 38MM X 3SHK	992	1,020	1,090	
	MBM2	6MM X 13MM X 38MM X 3SHK	1,300	1,340	1,430	
	BM1	6MM X 20MM X 50MM X 6SHK	1,560	1,610	1,710	
	BM2	8MM X 20MM X 70MM X 6SHK	1,510	1,610	1,710	
	BM3	10MM X 20MM X 70MM X 6SHK	1,880	1,940	2,070	
	BM4	12MM X 20MM X 70MM X 6SHK	2,430	2,500	2,720	
	BM5	16MM X 25MM X 75MM X 6SHK	3,710	4,190	4,160	
	BM6	12MM X 25MM X 75MM X 6SHK	3,370	3,470	3,780	
CYLINDRICAL 	MCM1	3MM X 16MM X 38MM X 3SHK	992	1,020	1,090	
	MCM2	6MM X 6MM X 38MM X 3SHK	1,120	1,150	1,230	
	MCM3	6MM X 13MM X 38MM X 3SHK	1,300	1,340	1,430	
	CM1	4MM X 15MM X 50MM X 6SHK	1,300	1,340	1,430	
	CM2	6MM X 20MM X 60MM X 6SHK	1,490	1,540	1,640	
	CM3	8MM X 20MM X 70MM X 6SHK	1,690	1,750	1,860	
	CM4	10MM X 20MM X 70MM X 6SHK	1,860	2,040	2,050	
	CM5	12MM X 20MM X 70MM X 6SHK	2,340	2,700	2,620	
	CM6	16MM X 25MM X 75MM X 6SHK	3,760	3,870	4,200	
	CM7	12MM X 16MM X 65MM X 6SHK	2,290	2,360	2,620	
	CM8	12MM X 25MM X 75MM X 6SHK	3,710	3,830	4,160	
	FLAME 	FM1	6MM X 15MM X 50MM X 6SHK	1,490	*	1,640
		FM2	8MM X 20MM X 70MM X 6SHK	1,540	*	1,690
		FM3	10MM X 25MM X 65MM X 6SHK	3,040	*	3,400
FM4		12MM X 32MM X 82MM X 6SHK	3,660	*	4,130	
CONE RADIUS 	MKM1	3MM X 8MM X 38MM X 3SHK	992	*	1,090	
	MKM2	6MM X 12MM X 38MM X 3SHK	1,300	*	1,430	
	KM1	10MM X 20MM X 65MM X 6SHK	1,460	*	1,610	
	KM2	12MM X 20MM X 70MM X 6SHK	2,430	*	2,720	
	KM3	16MM X 33MM X 75MM X 6SHK	3,350	*	3,750	

[BACK TO CONTENT PAGE](#)

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## TUNGSTEN CARBIDE ROTARY BURRS

SHAPE	MIRANDA CODE	DESCRIPTION	PRICE (RS)/NO		
		HEAD DIA X HEAD LENGTH X OAL LENGTH X SHANK DIA	STANDARD CUT	DOUBLE CUT	STANDARD CUT TIN COATED
OVAL 	MOM1	3MM X 8MM X 38MM X 3SHK	992	1,020	1,090
	MOM2	6MM X 10MM X 38MM X 3SHK	1,300	1,340	1,430
	OM1	8MM X 14MM X 60MM X 6SHK	1,660	1,710	1,830
	OM2	12MM X 20MM X 70MM X 6SHK	2,430	2,500	2,720
	OM3	16MM X 25MM X 75MM X 6SHK	3,750	4,050	4,190
	OM4	6MM X 10MM X 60MM X 6SHK	1,660	1,710	1,830
RIM 	RM1	10MM X 2MM X 50MM X 6SHK	1,460	*	1,610
	RM2	20MM X 6MM X 60MM X 6SHK	2,730	*	3,010
	RM3	12MM X 10MM X 60MM X 6SHK	2,430	*	2,670
BALL 	MSM1	4MM X 3MM X 38MM X 3SHK	1,150	*	1,260
	MSM2	5MM X 4MM X 38MM X 3SHK	1,200	*	1,320
	SM1	6MM X 5MM X 50MM X 6SHK	1,430	*	1,570
	SM2	8MM X 7MM X 50MM X 6SHK	1,510	1,600	1,660
	SM3	10MM X 9MM X 60MM X 6SHK	1,510	*	1,660
	SM4	12MM X 11MM X 60MM X 6SHK	1,890	*	2,080
	SM5	16MM X 14MM X 65MM X 6SHK	2,560	*	2,880
TREE POINTED END 	MTM1	3MM X 13MM X 38MM X 3SHK	992	1,020	1,090
	MTM2	3MM X 16MM X 38MM X 3SHK	992	1,020	1,090
	MTM3	6MM X 13MM X 38MM X 3SHK	1,300	1,340	1,430
	TM1	6MM X 20MM X 70MM X 6SHK	1,570	1,620	1,730
	TM2	10MM X 20MM X 70MM X 6SHK	1,880	1,940	2,070
	TM3	12MM X 25MM X 75MM X 6SHK	2,260	2,380	2,490
	TM4	16MM X 30MM X 80MM X 8SHK	3,350	3,450	3,750
TREE RADIUS END 	TBM1	6MM X 20MM X 70MM X 6SHK	1,570	*	1,730
	TBM2	10MM X 20MM X 70MM X 6SHK	1,880	*	2,070
	TBM3	12MM X 25MM X 75MM X 6SHK	2,380	*	2,670
INVERTED CONE 	MIM1	3MM X 8MM X 38MM X 3SHK	992	*	1,090
	MIM2	6MM X 8MM X 38MM X 3SHK	1,120	*	*
SET OF 5 PIECES		AM3,BM4,CM5,TM3,SM4	*	*	12,000

[BACK TO CONTENT PAGE](#)

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## CUSTOMISED TCRB

Product Description	PRICE (RS/NO)
Rotary Burr Tree Pointed End MTM1 Long-3x13x75x3 S	1,101
Rotary Burr Cylindrical Radius 4X18X51X4 STD.CUT	1,119
Rotary Burr Cylindrical Std. MCM1 DOUBLE CUT 3X14X38X3 (TIN)	1,203
Rotary Burr Cylindrical Radius 5X19X50X5 STD.CUT	1,284
Rotary Burr Tree Radius End MTB2 DOUBLE CUT 5X12.7X38X5 (TIN)	1,357
Rotary Burr Tree Pointed End TM1X125 LONG STD	1,373
Rotary Burr Cylindrical Radius CYLINDRICAL RADIUS END BM2 -K20 STD	1,507
ROTARY BURR Standard Cut Uncoated Ball SM2( 8X 60) - Special	1,509
Rotary Burr Cone Radius KM1-10X20X65X6-18T	1,532
Rotary Burr Cylindrical Radius MBM2 DOUBLE CUT 5X12.7X38X4 (TIN)	1,577
Rotary Burr Cylindrical Std. MCM3 DOUBLE CUT 5X12.7X38X3 (TIN)	1,577
Rotary Burr Cylindrical Radius BM2 - 8 X 20 X 125 X 6 SPL . CUT	1,657
Rotary Burr Conical AM1 DOUBLE CUT (TIN)	1,694
Rotary Burr Cylindrical Radius CYLINDRICAL RADIUS BM2 DIAMOND CUT	1,758
ROTARY BURR Standard Cut Uncoated CONICAL AM3-12.7 20TEETH - Special	2,118
Rotary Burr Tree Pointed End TM3-K20/20T STD. C	2,256
Rotary Burr Tree Pointed End TM2X125 LONG STD.	2,298
ROTARY BURR Standard Cut Uncoated Cone Radius KM2 - Special	2,427
Rotary Burr Cylindrical Radius BM3 LONG 10 MM X 20 MM X 200 MM X 6	2,448
Rotary Burr Tree Pointed End TM3-K20/20T STD. C	2,452
Rotary Burr Tree Radius End TBM3 DOUBLE CUT 12.7X25X69X6 (TIN)	2,937
Rotary Burr Cylindrical Radius BM4 LONG 12MM X 20MM X 200MM X 6SHK	3,593
ROTARY BURR Standard Cut Uncoated Ball BALL 30X28X70X8SH - Special	30,000

[BACK TO CONTENT PAGE](#)

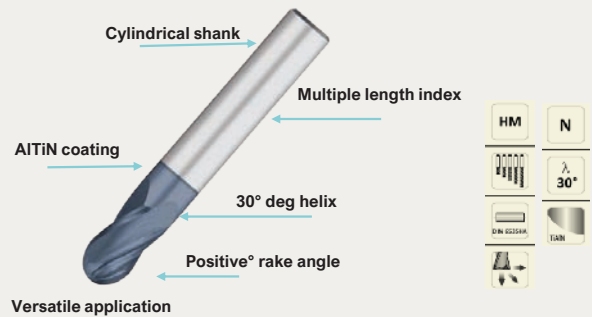
\* Please contact our team for prices

# Solid Carbide Endmill Maxx series

Maxx series for Hardness < 45HRc

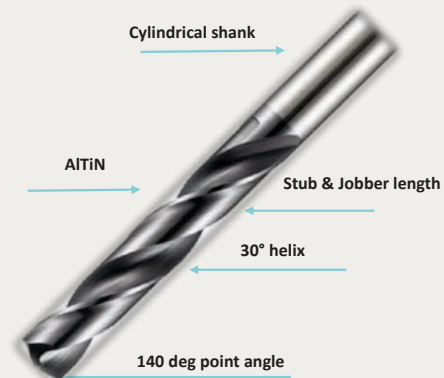
## Maxx Series Up to 45HRc General purpose PMK

- EM 0.5 to 25mm Maxx EM (2FL & 4FL) Std , long , Ex long
- Ball EM 1.0 to 20mm Maxx series (2FL & 4FL, Std, Long & ex long
- 4FL & 2FL for various milling operation
- Optimised flute design for easy chip evacuation
- AlTiN coating for heat stability and oxidation resistance
- Suitable for dry machining in ISO P and K
- Material Group PMK Versatile



# Solid Carbide Drills

- Wide range diameters in Jobber & Stub series range - 1.0 mm to 20.0 mm
- Coating upgraded from TiAlN to AlTiN, and the higher Al content increased wear resistance at elevated temperatures.
- Point angle 140 deg, lower cutting forces
- Suitable to use at higher cutting speeds
- Self-centering geometry for improved hole position in CNC and conventional machines
- High-quality, precise holes at high speeds and feeds
- Long tool life due to reinforced core design.
- Shank DIN 338 & DIN1897
- Material group (WMG) PMK Versatile application



λ 20-35°	R	DC h7
HM	DIN 338	4xD
		2.5xD

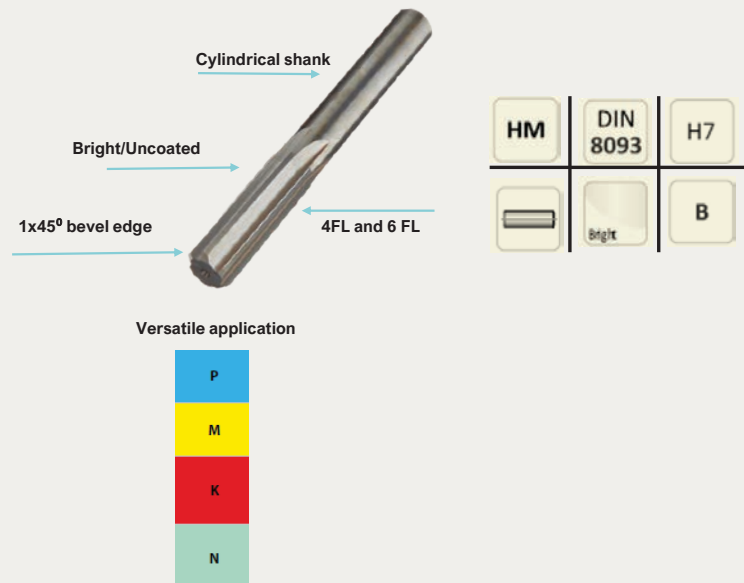
[BACK TO CONTENT PAGE](#)

# Solid Carbide Reamers

- 4 Flute type - SCREAHU4 (3.0 mm to 6.0 mm)
- 6 Flute type - SCREAHU6 (8.0 mm to 13.0 mm)

## Feature & benefits

- Bevel angle 45 Deg \*1 mm for better surface finish
- Bright for the sharpest edges
- Straight flute machine reamer
- HA shank
- Material group (WMG) PMKN Versatile application
- Non-through coolant

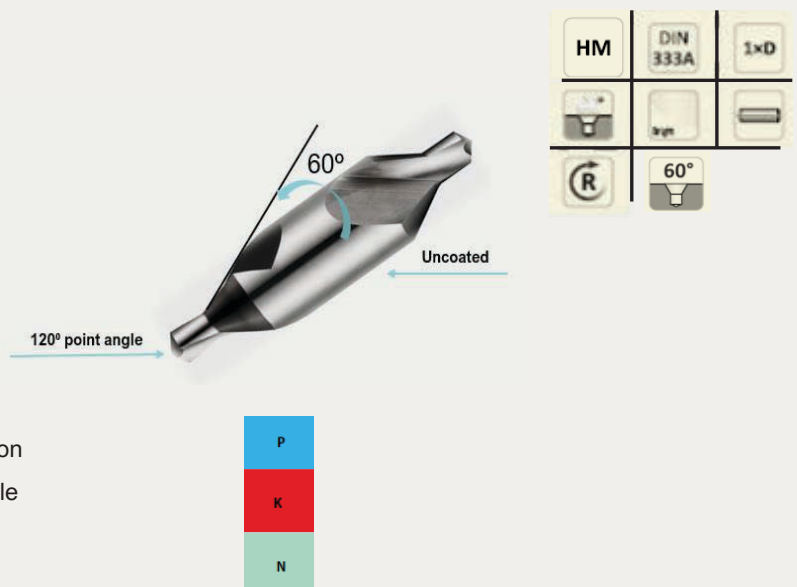


# Solid Carbide Centre drills

- DIN333 Type A - (Dia 2 mm to 8 mm)
- BS328 Type A - (BS1 to BS6)

## Feature & benefits

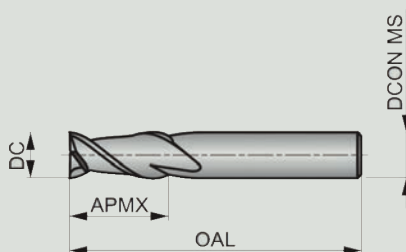
- Solid carbide for the best productivity
- Bright coated for the sharpest cutting edges
- Suitable for PKN work materials- Versatile application
- Type A 60 deg countersink with 120 deg point angle
- 2 edges per tool– economic and precise holes



[BACK TO CONTENT PAGE](#)

## 2 FLUTE SOLID CARBIDE END MILL

2-flute with variety of length design square type with 35° helix & 10° rake design for milling standrad slots. AlTiN coating improves performance in wide range of applications with h10 tolerance.

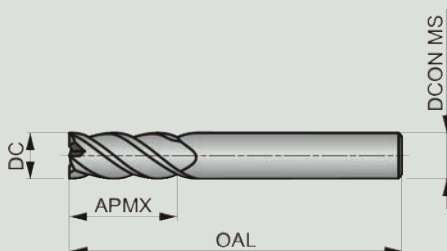


DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
0.50	4	1.00	50	3,830
0.60	4	1.20	50	3,830
0.70	4	1.40	50	3,830
0.80	4	1.60	50	3,830
0.90	4	1.80	50	3,830
1.00	3	3.00	38	2,290
1.00	4	3.00	50	2,290
1.50	3	6.00	38	2,290
1.50	4	4.00	50	2,290
2.00	3	9.00	38	2,290
2.00	4	6.00	50	2,290
2.50	3	9.00	38	2,290
3.00	3	12.00	38	2,290

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
3.50	4	14.00	50	2,830
4.00	4	14.00	50	2,830
4.50	5	16.00	50	3,560
5.00	5	20.00	50	3,560
5.50	6	20.00	50	3,710
6.00	6	20.00	60	3,710
8.00	8	20.00	60	4,110
10.00	10	25.00	75	7,800
12.00	12	25.00	75	9,050
14.00	14	25.00	75	15,900
16.00	16	32.00	89	17,200
20.00	20	38.00	100	36,600

## 4 FLUTE SOLID CARBIDE END MILL STANDARD

4-flute standard length design square type with 35° helix & 10° rake designed for multi applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.



DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
1.00	3	3.00	38	2,290
1.50	3	6.00	38	2,290
2.00	3	9.00	38	2,290
2.50	3	9.00	38	2,290

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
3.00	3	12.00	38	2,290
3.00	6	20.00	60	2,290
3.50	4	14.00	50	2,830
4.00	4	14.00	50	2,830

[BACK TO CONTENT PAGE](#)

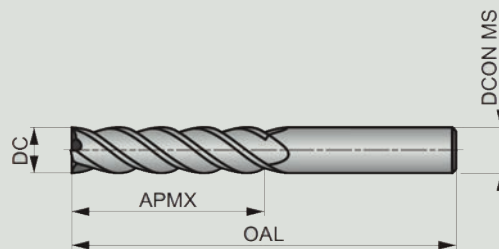
\* Please contact our team for prices

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
4.50	5	16.00	50	3,560
5.00	5	20.00	50	3,560
5.50	6	20.00	50	3,710
6.00	6	20.00	60	3,710
7.00	7	20.00	60	4,110
7.00	8	30.00	83	4,310
8.00	8	20.00	60	4,310
9.00	9	25.00	75	7,800
9.00	10	35.00	89	8,200
10.00	10	25.00	75	8,200
10.50	12	25.00	75	9,050
11.00	12	25.00	75	9,050
11.50	12	25.00	75	9,050
12.00	12	25.00	75	9,050

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
12.50	13	25.00	75	15,900
13.00	14	25.00	75	15,900
14.00	14	25.00	75	15,900
15.00	16	32.00	89	17,200
16.00	16	32.00	100	21,700
17.00	17	38.00	102	30,600
18.00	18	38.00	100	30,600
18.00	20	38.00	100	30,600
19.00	20	38.00	102	36,600
20.00	20	38.00	100	36,600
22.00	22	40.00	100	48,700
24.00	24	40.00	100	61,800
25.00	25	40.00	100	61,800

### 4 FLUTE SOLID CARBIDE END MILL LONG

4-flute long length design square type with 35° helix & 10° rake designed for multi applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.



DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
1.00	4	3.00	50	2,150
3.00	3	20.00	60	4,110
4.00	4	20.00	75	4,640
5.00	5	25.00	75	5,150

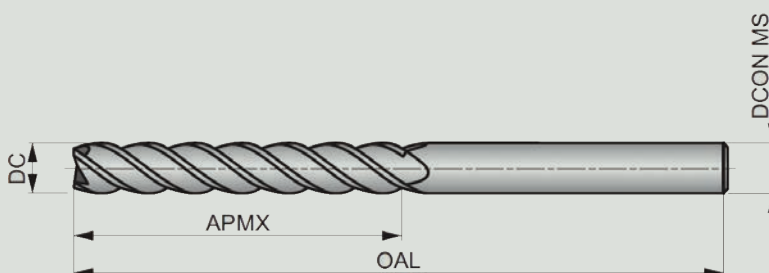
DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
6.00	6	30.00	75	5,400
8.00	8	40.00	100	6,000
10.00	10	40.00	100	9,450
12.00	12	50.00	100	13,600

[BACK TO CONTENT PAGE](#)

\* Please contact our team for prices

### 4 FLUTE SOLID CARBIDE END MILL EXTRA LONG

4-flute extra long length design square type with 35° helix & 10° rake designed for multi applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.

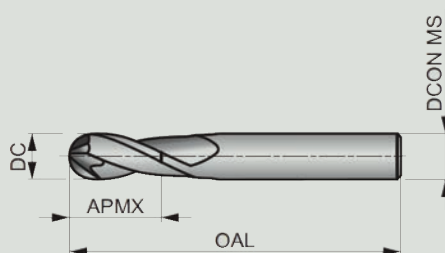


DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
3.00	3	20.00	75	4,520
4.00	4	40.00	100	5,950
5.00	5	40.00	100	5,950
6.00	6	40.00	150	6,300
8.00	8	70.00	150	14,400
10.00	10	75.00	150	21,600

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
12.00	12	75.00	150	26,500
14.00	14	75.00	150	34,100
16.00	16	75.00	150	39,800
18.00	18	75.00	150	49,900
20.00	20	100.00	150	66,200

### 2 FLUTE SOLID CARBIDE BALL NOSE END MILL STANDARD

2-flute standard length design ball nose with 30° helix & 10° rake designed for contouring applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.



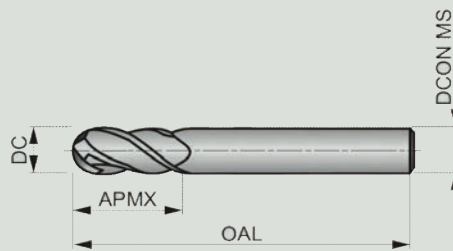
DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
1.00	3	9.00	38	2,890
1.50	3	9.00	38	2,890
2.00	3	9.00	38	2,890
2.50	3	9.00	38	2,890
3.00	3	9.00	38	2,890
4.00	4	14.00	50	3,400
5.00	5	16.00	50	4,280

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
6.00	6	20.00	60	4,460
8.00	8	20.00	60	5,050
10.00	10	25.00	75	9,350
12.00	12	25.00	75	10,900
16.00	16	40.00	100	20,700
20.00	20	40.00	100	43,900

[BACK TO CONTENT PAGE](#)

### 4 FLUTE SOLID CARBIDE BALL NOSE END MILL STANDARD

4-flute standard length design ball nose with 30° helix & 10° rake designed for contouring applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.

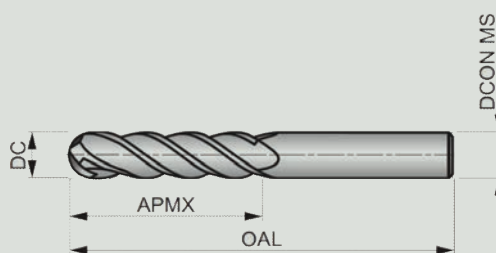


DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
1.00	3	3.00	38	2,890
1.50	3	5.00	38	2,890
2.00	3	7.00	38	2,890
2.50	3	7.00	38	2,890
3.00	3	9.00	38	2,890
4.00	4	14.00	50	3,400
5.00	5	16.00	50	4,280
6.00	6	20.00	60	4,460
7.00	7	20.00	60	5,050

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
8.00	8	20.00	60	5,050
9.00	10	25.00	70	9,350
10.00	10	25.00	75	9,350
12.00	12	25.00	75	10,900
14.00	14	25.00	75	19,100
16.00	16	32.00	89	20,700
18.00	18	38.00	102	30,500
20.00	20	38.00	102	43,900

### 4 FLUTE SOLID CARBIDE BALL NOSE END MILL LONG

4-flute long length design ball nose with 30° helix & 10° rake designed for contouring applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.



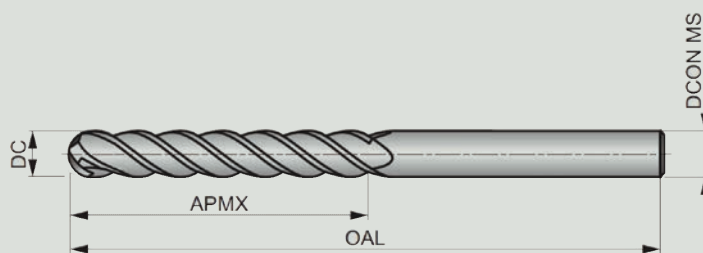
DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
3.00	3	20.00	75	4,930
4.00	4	20.00	75	5,600
5.00	6	30.00	75	6,200
6.00	6	30.00	75	6,500
8.00	8	29.00	100	7,150

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
10.00	10	40.00	100	11,400
12.00	12	50.00	100	16,300
16.00	16	50.00	100	47,700
20.00	20	75.00	150	79,400

[BACK TO CONTENT PAGE](#)

### 4 FLUTE SOLID CARBIDE BALL NOSE END MILL EXTRA LONG

4-flute extra long length design ball nose with 30° helix & 10° rake designed for contouring applications. AlTiN coating improves performance in wide range of applications with h10 tolerance.



DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
3.00	3	20.00	60	4,930
6.00	6	50.00	100	6,850
8.00	8	40.00	100	14,500
10.00	10	75.00	150	25,900

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
12.00	12	75.00	150	31,800
14.00	14	75.00	150	31,800
16.00	16	75.00	150	32,800
18.00	18	75.00	150	56,700

### CUSTOMISED SOLID CARBIDE ENDMILLS

PRODUCT DESCRIPTION	PRICE (RS/NO)
HP SCEM 7X12X50X8 CR.1.5-AITiN COATED	5,464
SCEM 12X25X75X12 CR.0.40 4FL AITiN	11,472
SCEM 4X25X74X4 CR.1.0 4FL AITiN	6,131
SCEM 8X16X100X8 CR0.5 4F	14,719
SCEM10X20X100X10 CR0.5 4F	17,850
SCEM 12X25X100X12 CR0.5 4F	21,727
SCEM 5.0X16X50X5SHKX4FL B/N SS-HARDCUT	4,276
SCEM 6.0X20X60X6SHK 4FL B/N SS-HARDCUT	4,882
SCEM 1.0X3XD4X50 4F For TITANIUM	3,114
SCEM 3.0X8X50X4 4F AITiN	2,479
SCEM 8 X 25 X 75 X 8SHK X 4FL AITiN	5,408
SCEM 17X38X17X102 4FL AITiN	25,382
SCEM 16X50X100X16SHKX4FL AITiN	19,172
SCEM 25X75X150X25 6FL AITiN	87,304
SCEM 6X75X150X6 4FL AITiN	11,898
SCEM 6x75x125 4FL AITiN	10,747
SCEM LONG 4X4X20X60 4 F AITiN	4,639
SCEM LONG 5X6X25X75 4 F AITiN	5,172
SCEM 12X12X75X150 4FL AITiN	36,341

PRODUCT DESCRIPTION	PRICE (RS/NO)
SC BALL NOSE LONG 8X8X50X100 4 F AITiN	8,909
SC BALL NOSE LONG 10X10X50X100 4 F AITiN	11,933
SCEM 3 X 12 X 38 X 3SHK X 2FL B/N AITiN	2,569
SCEM 4.0X14X50X4SHKX4FL B/N SS-HARDCUT	3,401
SCEM 3 X 20 X 60 X 3SHK X 4FL B/N AITiN	4,930
SCEM 8 X 20 X 64 X 8SHK X 4FL B/N AITiN	5,281
SCEM 6.5X20X64X6.5 AITiN	3,433
SCEM 8.5X20X64X8.5 AITiN	6,516
SCEM 11X25X75X11.0 4FL AITiN	7,814
SCEM 6.7X20X60X8 SHK 4FL AITiN	4,218
SCEM 7.5X20X8X64 4FL AITiN	4,118
SCEM 9.5X25X10X75 4FL AITiN	7,812
SCEM 9.5 X 20 X 75 X 10SHK 4FL AITiN	7,778
SCEM 15 X 40 X 100 X 15SHK X 4FL AITiN	32,616
SCEM LONG 8X8X50X100 4 F AITiN	7,201
SCEM 2.5X8X50X4 4F AITiN	2,479
SCEM LONG 10X10X50X100 4 F AITiN	11,362
SCEM 16X16X32X89 4F AITiN	17,202

[BACK TO CONTENT PAGE](#)

\* Please contact our team for prices

PREMIUM MAXX PRO SOLID CARBIDE ENDMILLS

# Maxx Pro Series

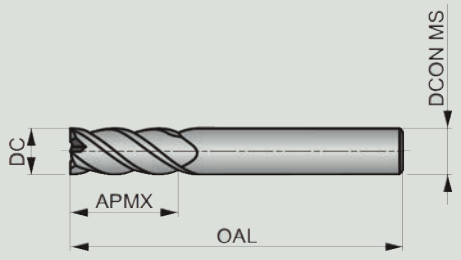
- End Mill 1.0 to 16mm Maxx Pro EM 4FL Std & long
- Ball End Mill 1.0 to 16 mm Maxx Pro (2FL & 4FL, Std, Long & ex long)
- AlTiSiN coating for extreme hardness and wear resistance
- Suitable for dry milling
- Variable flute indexing for improving wall finish
- Optimised geometry for plunging and interpolation
- Material (WGM) H

Maxx Pro series 45-60HRC



## 4 FLUTE SC SQ. END MILL MAXX PRO - STANDARD LENGTH (45 TO 60 HRC)

4-flute standard length design square type endmill with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.



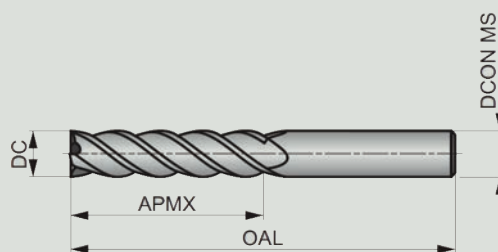
DIA (MM)	SH.DIA	FL	OAL	PRICE (RS)/NO	DIA (MM)	SH.DIA	FL	OAL	PRICE (RS)/NO
1.00	4	3.00	50	3,400	5.00	6	13.00	50	5,150
1.50	4	4.00	50	3,400	6.00	6	15.00	55	5,550
2.00	4	6.00	50	5,150	8.00	8	20.00	60	7,450
2.50	4	6.00	50	5,150	10.00	10	25.00	75	11,600
3.00	4	8.00	50	5,150	12.00	12	28.00	85	15,300
4.00	4	11.00	50	5,150	16.00	16	32.00	100	21,700

[BACK TO CONTENT PAGE](#)

\* Please contact our team for prices

### 4 FLUTE SC SQ. END MILL MAXX PRO - LONG LENGTH (45 TO 60 HRC)

4-flute long length design square type endmill with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.

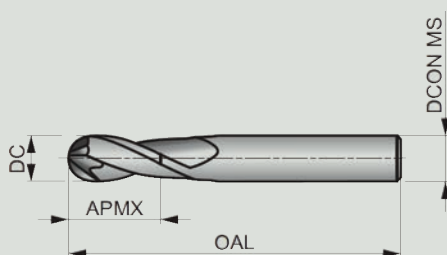


DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
4.00	4	11.00	75	7,500
5.00	6	13.00	75	7,500
6.00	6	15.00	75	7,800
8.00	8	20.00	100	13,300

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
10.00	10	25.00	100	15,300
12.00	12	30.00	100	21,800
16.00	16	50.00	150	47,400

### 2 FLUTE SC BALL NOSE MAXX PRO - STANDARD LENGTH (45 TO 60 HRC)

2-flute standard length design ball nose with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.



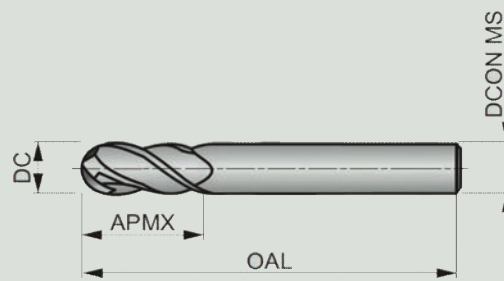
DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
2.00	4	8.00	50	4,660
3.00	4	6.00	50	4,660
4.00	4	8.00	50	4,660
5.00	6	10.00	50	9,500

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
6.00	6	12.00	50	9,500
8.00	8	16.00	60	12,200
10.00	10	20.00	75	18,000
12.00	12	25.00	75	24,200

[BACK TO CONTENT PAGE](#)

### 4 FLUTE SC BALL NOSE MAXX PRO - STANDARD LENGTH (45 TO 60 HRC)

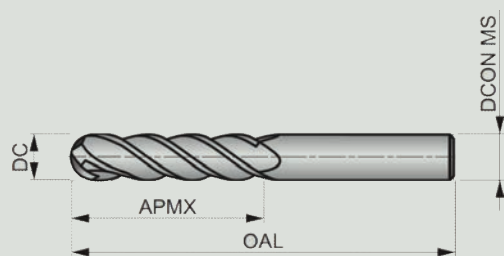
4-flute standard length design ball nose with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.



DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)	DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
1.00	4	2.00	50	4,890	5.00	6	10.00	50	6,150
1.50	4	3.00	50	4,890	6.00	6	12.00	50	6,150
2.00	4	4.00	50	4,890	8.00	8	16.00	60	8,950
2.50	4	5.00	50	4,890	8.00	8	16.00	75	10,400
3.00	4	6.00	50	4,890	10.00	10	20.00	75	13,100
4.00	4	8.00	50	4,890	12.00	12	25.00	75	17,600

### 4 FLUTE SC BALL NOSE MAXX PRO - LONG LENGTH (45 TO 60 HRC)

4-flute long design ball nose with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.

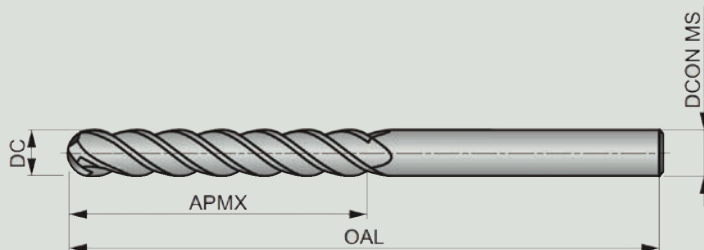


DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)	DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
4.00	4	10.00	75	7,750	10.00	10	20.00	100	18,100
5.00	6	10.00	75	8,200	12.00	12	25.00	100	22,200
6.00	6	12.00	75	8,200	16.00	16	40.00	150	55,800
8.00	8	16.00	100	12,200					

[BACK TO CONTENT PAGE](#)

**4 FLUTE SC BALL NOSE MAXX PRO - EXTRA LONG LENGTH (45 TO 60 HRC)**

4-flute extra long design ball nose with unequal helix & 6° rake designed for contouring applications. AlTiSiN coating increases tool life when machining hardened materials from 45 to 60 HRC.



DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
4.00	4	8.00	100	7,900
6.00	6	12.00	100	8,950
6.00	6	30.00	150	13,400

DC (MM)	DCON MS (MM)	APMX (MM)	OAL (MM)	PRICE (RS/NO)
8.00	8	16.00	150	16,200
10.00	10	40.00	150	22,100
12.00	12	40.00	150	27,700

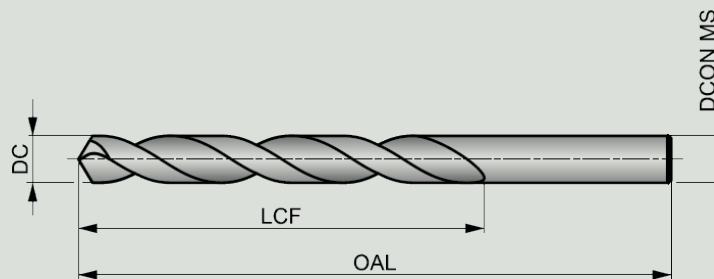
**CUSTOMISED MAXX PRO SOLID CARBIDE ENDMILLS (UPTO 55 HRC)**

PRODUCT DESCRIPTION	PRICE (RS)/NO
Maxxpro EM 4x6x10x55 4F-55 HRC	8,294
Maxxpro EM 8x8x20x65 4F-55 HRC	10,692
Maxxpro EM 10x10x25x75 4F-55 HRC	15,936
Maxxpro Long EM 4x4x11x100 4F-55 HRC	7,643
Maxxpro Long EM 6x6x15x100 4F-55 HRC	8,677

PRODUCT DESCRIPTION	PRICE (RS)/NO
Maxxpro Long EM 6x6x40x150 4F-55 HRC	13,019
Maxxpro Long EM 8x8x20x75 4F-55 HRC	11,675
Maxxpro Long EM 8x8x40x150 4F-55 HRC	14,725
Maxxpro Long EM 10x10x50x150 4F-55 HRC	17,460
Maxxpro Long EM 14x14x50x150 4F-55 HRC	70,709

## SOLID CARBIDE JOBBER DRILL

Miranda Maxx Solid Carbide Jobber Drills are designed to deliver exceptional performance in high-speed machining applications. Featuring a 140° point angle, these drills ensure superior centering and reduced thrust force, making them ideal for wide drilling application. AlTiN coating enhances thermal stability, wear resistance and extending tool life.



DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
1.00	1.00	12.0	32.0	20.0	1,970.0
1.10	1.10	14.0	36.0	22.0	2,110.0
1.20	1.20	16.0	38.0	22.0	2,110.0
1.30	1.30	16.0	38.0	22.0	2,110.0
1.40	1.40	18.0	40.0	22.0	2,110.0
1.50	1.50	18.0	40.0	22.0	2,110.0
1.60	1.60	20.0	43.0	23.0	2,420.0
1.70	1.70	20.0	43.0	23.0	2,420.0
1.80	1.80	22.0	46.0	24.0	2,420.0
1.90	1.90	22.0	46.0	24.0	2,420.0
2.00	2.00	24.0	49.0	25.0	2,420.0
2.10	2.10	24.0	49.0	25.0	2,420.0
2.20	2.20	27.0	53.0	26.0	2,420.0
2.30	2.30	27.0	53.0	26.0	2,420.0
2.40	2.40	30.0	57.0	27.0	2,420.0
2.50	2.50	30.0	57.0	27.0	2,420.0
2.60	2.60	30.0	57.0	27.0	2,700.0
2.70	2.70	33.0	61.0	28.0	2,700.0
2.80	2.80	33.0	61.0	28.0	2,700.0
2.90	2.90	33.0	61.0	28.0	2,700.0
3.00	3.00	33.0	61.0	28.0	2,700.0
3.10	3.10	36.0	65.0	29.0	2,940.0
3.20	3.20	36.0	65.0	29.0	2,940.0
3.30	3.30	36.0	65.0	29.0	2,940.0

DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
3.40	3.40	39.0	70.0	31.0	2,940.0
3.50	3.50	39.0	70.0	31.0	2,940.0
3.60	3.60	39.0	70.0	31.0	3,620.0
3.70	3.70	39.0	70.0	31.0	3,620.0
3.80	3.80	43.0	75.0	32.0	3,620.0
3.90	3.90	43.0	75.0	32.0	3,620.0
4.00	4.00	43.0	75.0	32.0	3,620.0
4.10	4.10	43.0	75.0	32.0	3,880.0
4.20	4.20	43.0	75.0	32.0	3,880.0
4.30	4.30	24.0	58.0	34.0	3,880.0
4.40	4.40	47.0	80.0	33.0	3,880.0
4.50	4.50	47.0	80.0	33.0	3,880.0
4.60	4.60	47.0	80.0	33.0	4,440.0
4.70	4.70	47.0	80.0	33.0	4,440.0
4.80	4.80	47.0	80.0	33.0	4,440.0
4.90	4.90	52.0	86.0	34.0	4,440.0
5.00	5.00	52.0	86.0	34.0	4,440.0
5.10	5.10	52.0	86.0	34.0	5,150.0
5.20	5.20	52.0	86.0	34.0	5,150.0
5.30	5.30	52.0	86.0	34.0	5,150.0
5.40	5.40	57.0	93.0	36.0	5,150.0
5.50	5.50	57.0	93.0	36.0	5,150.0
5.60	5.60	57.0	93.0	36.0	5,350.0
5.70	5.70	57.0	93.0	36.0	5,350.0

[BACK TO CONTENT PAGE](#)

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DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
5.80	5.80	57.0	93.0	36.0	5,350.0
5.90	5.90	57.0	93.0	36.0	5,350.0
6.00	6.00	57.0	93.0	36.0	5,350.0
6.10	6.10	63.0	101.0	38.0	6,000.0
6.20	6.20	63.0	101.0	38.0	6,000.0
6.30	6.30	63.0	101.0	38.0	6,000.0
6.40	6.40	63.0	101.0	38.0	6,000.0
6.50	6.50	63.0	101.0	38.0	6,000.0
6.60	6.60	63.0	101.0	38.0	6,600.0
6.70	6.70	69.0	109.0	40.0	6,600.0
6.80	6.80	69.0	109.0	40.0	6,600.0
6.90	6.90	69.0	109.0	40.0	6,600.0
7.00	7.00	69.0	109.0	40.0	6,600.0
7.10	7.10	69.0	109.0	40.0	7,200.0
7.20	7.20	69.0	109.0	40.0	7,200.0
7.30	7.30	69.0	109.0	40.0	7,200.0
7.40	7.40	69.0	109.0	40.0	7,200.0
7.50	7.50	69.0	109.0	40.0	7,200
7.60	7.60	75.0	117.0	42.0	8,100
7.70	7.70	75.0	117.0	42.0	8,100
7.80	7.80	75.0	117.0	42.0	8,100
7.90	7.90	75.0	117.0	42.0	8,100
8.00	8.00	75.0	117.0	42.0	8,100
8.10	8.10	75.0	117.0	42.0	8,900
8.20	8.20	75.0	117.0	42.0	8,900
8.30	8.30	75.0	117.0	42.0	8,900
8.40	8.40	75.0	117.0	42.0	8,900
8.50	8.50	75.0	117.0	42.0	8,900
8.60	8.60	81.0	125.0	44.0	10,100
8.70	8.70	81.0	125.0	44.0	10,100
8.80	8.80	81.0	125.0	44.0	10,100
8.90	8.90	81.0	125.0	44.0	10,100
9.00	9.00	81.0	125.0	44.0	10,100
9.10	9.10	81.0	125.0	44.0	11,500
9.20	9.20	81.0	125.0	44.0	11,500
9.30	9.30	81.0	125.0	44.0	11,500
9.40	9.40	81.0	125.0	44.0	11,700
9.50	9.50	81.0	125.0	44.0	11,700
9.60	9.60	87.0	133.0	46.0	13,200
9.70	9.70	87.0	133.0	46.0	13,200
9.80	9.80	87.0	133.0	46.0	13,200

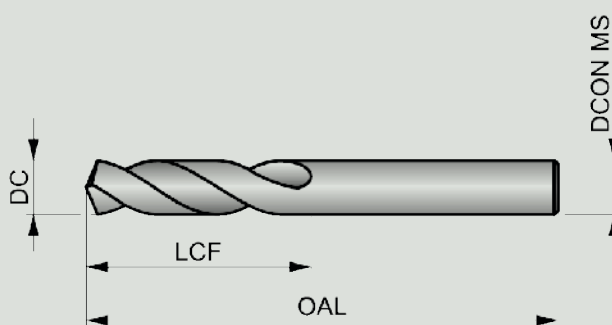
DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
9.90	9.90	87.0	133.0	46.0	14,000
10.00	10.00	87.0	133.0	46.0	14,000
10.10	10.10	87.0	133.0	46.0	14,800
10.20	10.20	87.0	133.0	46.0	14,800
10.30	10.30	87.0	133.0	46.0	14,800
10.40	10.40	87.0	133.0	46.0	14,800
10.50	10.50	87.0	133.0	46.0	14,800
10.60	10.60	87.0	133.0	46.0	17,600
10.70	10.70	94.0	142.0	48.0	17,600
10.80	10.80	94.0	142.0	48.0	17,600
10.90	10.90	94.0	142.0	48.0	18,200
11.00	11.00	94.0	142.0	48.0	18,200
11.20	11.20	94.0	142.0	48.0	20,100
11.50	11.50	94.0	142.0	48.0	20,100
11.70	11.70	101.0	151.0	50.0	20,100
11.80	11.80	94.0	142.0	48.0	20,100
12.00	12.00	101.0	151.0	50.0	20,100
12.20	12.20	101.0	151.0	50.0	25,100
12.50	12.50	101.0	151.0	50.0	25,100
12.70	12.70	101.0	151.0	50.0	25,100
12.80	12.80	101.0	151.0	50.0	25,100
13.00	13.00	101.0	151.0	50.0	25,100
13.20	13.20	108.0	160.0	52.0	31,400
13.50	13.50	108.0	160.0	52.0	31,400
13.80	13.80	108.0	160.0	52.0	31,400
14.00	14.00	108.0	160.0	52.0	31,400
14.50	14.50	114.0	169.0	55.0	35,500
14.80	14.80	114.0	169.0	55.0	38,100
15.00	15.00	120.0	178.0	58.0	38,100
15.50	15.50	120.0	178.0	58.0	46,600
15.80	15.80	120.0	178.0	58.0	46,600
16.00	16.00	120.0	178.0	58.0	46,600
16.50	16.50	125.0	184.0	59.0	59,200
17.00	17.00	125.0	184.0	59.0	61,400
17.50	17.50	130.0	191.0	61.0	63,800
18.00	18.00	130.0	191.0	61.0	63,800
18.50	18.50	135.0	198.0	63.0	79,800
19.00	19.00	135.0	198.0	63.0	79,800
19.50	19.50	140.0	205.0	65.0	84,200
20.00	20.00	140.0	205.0	65.0	84,200

[BACK TO CONTENT PAGE](#)

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**SOLID CARBIDE STUB DRILL**

Miranda Maxx Solid Carbide Stub Drills are engineered for outstanding performance in high-speed machining environments. With a 140° point angle, they offer excellent centering capability and reduced cutting forces, making them suitable for a wide range of drilling operations. AlTiN coating enhances thermal stability, wear resistance and extending tool life.



DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
1.00	1.00	6.0	26.0	20.0	1,810
1.10	1.10	7.0	28.0	21.0	2,080
1.20	1.20	8.0	30.0	22.0	2,080
1.30	1.30	8.0	30.0	22.0	2,080
1.40	1.40	9.0	32.0	23.0	2,080
1.50	1.50	9.0	32.0	23.0	2,080
1.60	1.60	10.0	34.0	24.0	2,080
1.70	1.70	11.0	36.0	25.0	2,170
1.90	1.90	12.0	38.0	26.0	2,170
2.00	2.00	12.0	38.0	26.0	2,220
2.10	2.10	12.0	38.0	26.0	2,220
2.20	2.20	13.0	40.0	27.0	2,220
2.30	2.30	13.0	40.0	27.0	2,220
2.40	2.40	14.0	43.0	29.0	2,220
2.50	2.50	14.0	43.0	29.0	2,220
2.60	2.60	14.0	43.0	29.0	2,220
2.70	2.70	16.0	46.0	30.0	2,220
2.80	2.80	16.0	46.0	30.0	2,240
2.90	2.90	16.0	46.0	30.0	2,240
3.00	3.00	16.0	46.0	30.0	2,480

DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
3.10	3.10	18.0	49.0	31.0	2,560
3.20	3.20	18.0	49.0	31.0	2,560
3.30	3.30	18.0	49.0	31.0	2,560
3.40	3.40	20.0	52.0	32.0	2,560
3.50	3.50	20.0	52.0	32.0	2,560
3.60	3.60	20.0	52.0	32.0	2,690
3.70	3.70	20.0	52.0	32.0	2,690
3.80	3.80	22.0	55.0	33.0	2,690
3.90	3.90	22.0	55.0	33.0	2,690
4.00	4.00	22.0	55.0	33.0	3,150
4.10	4.10	22.0	55.0	33.0	3,150
4.20	4.20	22.0	55.0	33.0	3,510
4.30	4.30	24.0	58.0	34.0	3,510
4.40	4.40	24.0	58.0	34.0	3,510
4.50	4.50	24.0	58.0	34.0	3,510
4.60	4.60	24.0	58.0	34.0	3,510
4.70	4.70	24.0	58.0	34.0	3,510
4.80	4.80	26.0	62.0	36.0	3,870
4.90	4.90	26.0	62.0	36.0	3,870
5.00	5.00	26.0	62.0	36.0	3,870

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[BACK TO CONTENT PAGE](#)

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DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
5.10	5.10	26.0	62.0	36.0	4,570
5.20	5.20	26.0	62.0	36.0	4,570
5.30	5.30	26.0	62.0	36.0	4,570
5.40	5.40	28.0	66.0	38.0	4,570
5.50	5.50	28.0	66.0	38.0	4,570
5.60	5.60	28.0	66.0	38.0	4,650
5.70	5.70	28.0	66.0	38.0	4,650
5.80	5.80	28.0	66.0	38.0	4,650
5.90	5.90	28.0	66.0	38.0	4,650
6.00	6.00	28.0	66.0	38.0	4,650
6.10	6.10	31.0	70.0	39.0	5,000
6.20	6.20	31.0	70.0	39.0	5,000
6.30	6.30	31.0	70.0	39.0	5,000
6.40	6.40	31.0	70.0	39.0	5,000
6.50	6.50	31.0	70.0	39.0	5,000
6.60	6.60	31.0	70.0	39.0	6,800
6.70	6.70	31.0	70.0	39.0	6,800
6.80	6.80	34.0	74.0	40.0	6,800
6.90	6.90	34.0	74.0	40.0	6,800
7.00	7.00	34.0	74.0	40.0	6,800
7.10	7.10	34.0	74.0	40.0	7,400
7.20	7.20	34.0	74.0	40.0	7,400
7.30	7.30	34.0	74.0	40.0	7,400
7.40	7.40	34.0	74.0	40.0	7,400
7.50	7.50	34.0	74.0	40.0	7,400
7.70	7.70	37.0	79.0	42.0	8,350
7.80	7.80	37.0	79.0	42.0	8,350
7.90	7.90	37.0	79.0	42.0	8,350
8.00	8.00	37.0	79.0	42.0	8,350
8.10	8.10	37.0	79.0	42.0	9,150
8.20	8.20	37.0	79.0	42.0	9,150
8.30	8.30	37.0	79.0	42.0	9,150
8.40	8.40	37.0	79.0	42.0	9,150
8.50	8.50	37.0	79.0	42.0	9,150
8.70	8.70	40.0	84.0	44.0	10,400
8.80	8.80	40.0	84.0	44.0	10,400
9.00	9.00	40.0	84.0	44.0	10,400

DC (MM)	DCON MS (MM)	LCF (MM)	OAL (MM)	LS (MM)	PRICE (RS/NO)
9.20	9.20	40.0	84.0	44.0	11,900
9.30	9.30	40.0	84.0	44.0	11,900
9.50	9.50	40.0	84.0	44.0	11,900
9.80	9.80	43.0	89.0	46.0	13,300
10.00	10.00	43.0	89.0	46.0	13,300
10.20	10.20	43.0	89.0	46.0	15,200
10.30	10.30	43.0	89.0	46.0	15,200
10.40	10.40	43.0	89.0	46.0	15,200
10.50	10.50	43.0	89.0	46.0	15,200
10.70	10.70	47.0	95.0	48.0	18,100
10.80	10.80	47.0	95.0	48.0	18,100
11.00	11.00	47.0	95.0	48.0	18,100
11.20	11.20	47.0	95.0	48.0	20,700
11.50	11.50	47.0	95.0	48.0	23,200
11.70	11.70	51.0	102.0	51.0	23,200
11.80	11.80	47.0	95.0	48.0	23,200
12.00	12.00	51.0	102.0	51.0	23,200
12.50	12.50	51.0	102.0	51.0	23,200
13.00	13.00	51.0	102.0	51.0	23,200
13.20	13.20	51.0	102.0	51.0	27,600
13.50	13.50	51.0	102.0	51.0	27,600
13.80	13.80	54.0	107.0	53.0	31,000
14.00	14.00	54.0	107.0	53.0	31,000
14.20	14.20	56.0	111.0	55.0	31,000
14.50	14.50	56.0	111.0	55.0	33,800
15.00	15.00	56.0	111.0	55.0	33,800
15.20	15.20	56.0	111.0	55.0	33,800
15.50	15.50	56.0	111.0	55.0	33,800
16.00	16.00	58.0	115.0	57.0	33,800
16.50	16.50	60.0	119.0	59.0	33,800
17.00	17.00	60.0	119.0	59.0	44,800
18.00	18.00	62.0	123.0	61.0	54,200
18.50	18.50	64.0	127.0	63.0	67,800
19.00	19.00	64.0	127.0	63.0	67,800
19.50	19.50	66.0	131.0	65.0	71,500
20.00	20.00	66.0	131.0	65.0	71,500

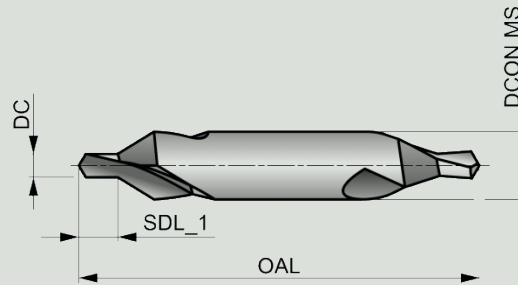
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[BACK TO CONTENT PAGE](#)

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### SOLID CARBIDE CENTRE DRILL 60° COUNTERSINK, BRIGHT

Designed for accurately initiating a centered hole at the end of a shaft, this tool ensures secure workpiece holding prior to machining. Engineered for versatility, it is suitable for a wide range of materials and features dual drilling ends to enhance productivity. The DIN33A integrated 60° countersink supports precise alignment. Compatible with all CNC machines.

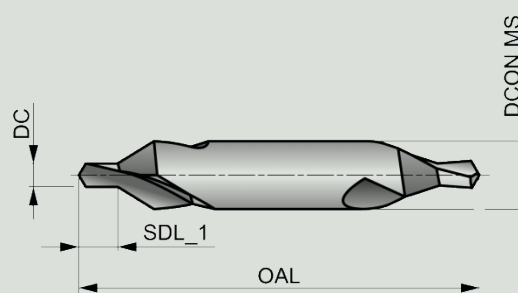
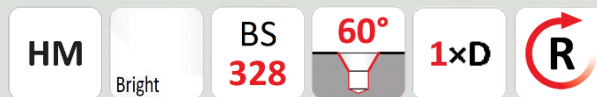


DC (MM)	BODY (MM)	OAL (MM)	SDL_1 (MM)	PRICE (RS/NO)
2.00	5.0	40.0	3.30 - 2.50	6,500
2.50	6.3	45.0	4.10 - 3.10	8,800
3.15	8.0	50.0	4.90 - 3.90	10,400

DC (MM)	BODY (MM)	OAL (MM)	SDL_1 (MM)	PRICE (RS/NO)
3.30	8.0	50.0	-	10,400
4.00	10.0	56.0	6.20 - 5.00	13,800
5.00	12.5	63.0	7.50 - 6.30	21,500

### SOLID CARBIDE CENTRE DRILL 60° COUNTERSINK, BRIGHT BS TYPE

Designed for accurately initiating a centered hole at the end of a shaft, this tool ensures secure workpiece holding prior to machining. Engineered for versatility, it is suitable for a wide range of materials and features dual drilling ends to enhance productivity. The BS328 integrated 60° countersink supports precise alignment. Compatible with all CNC

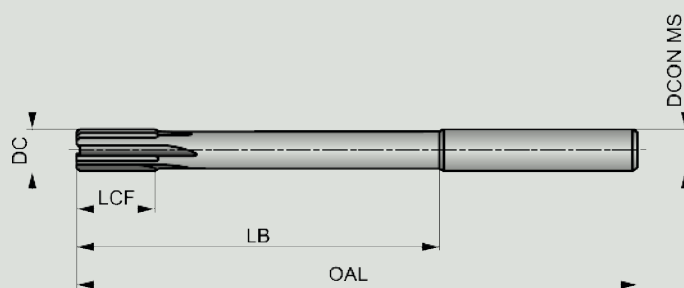


DC (GAUGE)	DC (INCH)	BODY (Inch)	OAL (Inch)	SDL_1 (Inch)	PRICE (RS/NO)
BS2	1/16	3/16	1.3/4	3/32 - 5/64	6,500
BS3	3/32	1/4	2	5/32 - 1/8	8,800
BS4	1/8	5/16	2.1/4	3/16 - 5/32	10,400
BSS5	3/16	7/16	2.1/2	9/32 - 1/4	19,800
BS6	1/4	5/8	3	3/8 - 5/16	29,300

[BACK TO CONTENT PAGE](#)

**SOLID CARBIDE REAMER, H7 ACCURACY, BRIGHT FINISH**

Straight flute reamer engineered to deliver hole finishes within H7 tolerance limits. Optimized for high performance and extended tool life across a variety of materials, it enhances hole roundness, dimensional accuracy, and surface finish. Features a 1.0 mm × 45° bevel edge for smooth entry and reduced cutting forces. Ideal for CNC machining applications, offering consistent and reliable results.



DC (MM)	LCF (MM)	OAL (MM)	LS (MM)	DCON MS (MM)	NO OF FLUTES	PRICE (RS/NO)
3.00	16.0	57.0	41.0	3.00	4.0	4,430
4.00	19.0	63.0	44.0	4.00	4.0	5,200
5.00	25.0	75.0	50.0	5.00	4.0	6,250
6.00	25.0	75.0	50.0	6.00	4.0	7,550
8.00	28.0	82.0	54.0	8.00	6.0	11,600
10.00	31.0	89.0	58.0	10.00	6.0	14,900
11.00	50.0	100.0	50.0	11.00	6.0	15,400
12.00	40.0	100.0	60.0	12.00	6.0	18,300
13.00	48.0	100.0	52.0	14.00	6.0	30,300






**CUSTOMISED SOLID CARBIDE DRILLS**

PRODUCT DESCRIPTION	PRICE (RS/NO)
SCDR 3.0 X 40 X 75 X 3.0 TIALN	4,439
SCDR 6X85X195X6 TIALN	12,884
SCDR 4.2X80X120X5.0 COATED THROUGH COOLANT	14,717
SCDR 5.0X110X160X5.0 COATED THROUGH COOLANT	16,354
SCDR 5.0X80X120X5.0 COATED THROUGH COOLANT	14,717
SCDR 6.8X110X160X8.0 TIALN THROUGH COOLANT	23,208
SC REAMER 6H7X50X150X6SH 6FL	9,696
SC REAMER 8H7X50X150X8SH 6FL	15,380
SC REAMER 12H7X50X150X12SH 6FL	26,867

[BACK TO CONTENT PAGE](#)

\* Please contact our team for prices

# Applications Range

Side Milling	Face Milling	Slot Milling	Plunge Milling	Ramping
				
The radial depth of cut should be less than .25 of the diameter of the end mill.	The radial depth of cut should be no more than .9 of the diameter, axial depth of cut less than .1 of the diameter.	Machining of a slot for keyways. The radial depth of cut is equal to the diameter on the end mill.	It is possible to drill the workpiece with an end mill only with the cutting center. In this operation the feed has to be halved.	Both axial and radial entering into the workpiece.

## Maxx series cutting parameters

### Maxx Series

- Optimise the cutting parameters based on the material and setup for best performance
- Control the runout for the best tool life
- Prefer dry milling for ISO and P and K



SC Endmill - Maxx series		
WMG	VC m/min	Feed/tooth mm
P	50-120	0.01-0.06
M	30-40	0.007-0.036
K	70-180	0.05-0.1

## Maxx Pro series cutting parameters

### Maxx Pro Series

- Optimise the cutting parameters based on the material hardness and setup for best performance
- Control the runout for the best tool life
- Prefer dry milling for ISO H

SC Endmill - Maxx Pro series		
WMG	VC m/min	Feed/tooth mm
H	40-100	0.005-0.04



[BACK TO CONTENT PAGE](#)

## Solid carbide drill Cutting parameters range

SC drills Non through coolant

- Parameters from the below range can be optimised for a given application.
- For the best results, runout should be controlled under 20 microns

SC drill Jobber/Stub		
WMG	VC m/min	Feed/rev
P	40-100	0.1-0.28
M	30-40	0.05-0.15
K	50-120	0.1-0.3

## Solid carbide reamer Cutting parameters range

SC reamer Non through coolant

- Parameters from the below range can be optimised for a given application.
- For the best results, keep a controlled stock for reamer.

SC reamer		
WMG	VC m/min	Feed/rev
P	10-20	0.04-0.28
M	7-15	0.04-0.13
K	10-20	0.1-0.3
N	30-60	0.05-0.3









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