

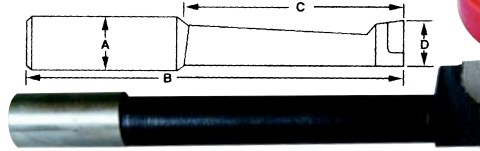
Cutting Tools

CARBIDE TIPPED BORING BARS

- Tool life is extended because each bar has far more steel behind the cutting edge for heavier chatter free cut. Deeper bore and more precise work.
- The same bar can bore flat bottom hole or face. Grind bar on cutting end for special tools such as grooving, threading, or automatic operations.



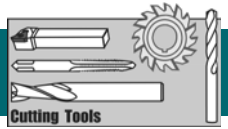
- Up to 100% longer tool life.
- All shanks are ground to +0-0.005".
- All 1/2", 3/4" and 1" shanks fit most boring and facing heads.



C2-Cast Iron C6-Steel

"A" Shank Dia.	"B" Length	"C" Bore Depth	"D" Min. bore	Tool No.	C2 Model No.	C6 Model No.	C2 Set Model No.	C6 Set Model No.	Stand Material
3/8"	2"	3/4"	5/16"	A5S	375-1012	375-1016	9Pcs Set	9Pcs Set	Wooden Plastic
3/8"	2-3/8"	1-1/8"	5/16"	A5M	375-1022	375-1026	375-1002	375-1006	
3/8"	2-3/4"	1-1/2"	5/16"	A5L	375-1032	375-1036	375-1102	375-1106	
3/8"	2-3/16"	15/16"	3/8"	A3S	375-1042	375-1046			
3/8"	2-21/32"	1-13/32"	3/8"	A3M	375-1052	375-1056			
3/8"	3-1/8"	1-7/8"	3/8"	A3L	375-1062	375-1066			
3/8"	2-3/8"	1-1/8"	7/16"	A7S	375-1072	375-1076			
3/8"	3-15/16"	1-11/16"	7/16"	A7M	375-1082	375-1086			
3/8"	3-1/2"	2-1/4"	7/16"	A7L	375-1092	375-1096			
1/2"	2-1/4"	3/4"	5/16"	B5S	375-1212	375-1216	9Pcs Set	9Pcs Set	Wooden Plastic
1/2"	2-5/8"	1-1/8"	5/16"	B5M	375-1222	375-1226	375-1202	375-1206	
1/2"	3"	1-1/2"	5/16"	B5L	375-1232	375-1236	375-1302	375-1306	
1/2"	2-5/8"	1-1/8"	7/16"	B7S	375-1242	375-1246			
1/2"	3-3/16"	1-11/16"	7/16"	B7M	375-1252	375-1256			
1/2"	3-3/4"	2-1/4"	7/16"	B7L	375-1262	375-1266			
1/2"	3"	1-1/2"	9/16"	B9S	375-1272	375-1276			
1/2"	3-3/4"	2-1/4"	9/16"	B9M	375-1282	375-1286			
1/2"	4-1/2"	3"	9/16"	B9L	375-1292	375-1296			
5/8"	2-1/4"	3/4"	5/16"	D5S	375-1412	375-1416	12Pcs Set	12Pcs Set	Wooden Plastic
5/8"	2-5/8"	1-1/8"	5/16"	D5M	375-1422	375-1426	375-1402	375-1406	
5/8"	3"	1-1/2"	5/16"	D5L	375-1432	375-1436	375-1532	375-1536	
5/8"	2-5/8"	1-1/8"	7/16"	D7S	375-1442	375-1446			
5/8"	3-3/16"	1-11/16"	7/16"	D7M	375-1452	375-1456			
5/8"	3-3/4"	2-1/4"	7/16"	D7L	375-1462	375-1466			
5/8"	3"	1-1/2"	9/16"	D9S	375-1472	375-1476			
5/8"	3-3/4"	2-1/4"	9/16"	D9M	375-1482	375-1486			
5/8"	4-1/2"	3"	9/16"	D9L	375-1492	375-1496			
5/8"	3-3/8"	1-7/8"	11/16"	D11S	375-1502	375-1506			
5/8"	4-5/16"	2-13/16"	11/16"	D11M	375-1512	375-1516			
5/8"	5-1/4"	3-3/4"	11/16"	D11L	375-1522	375-1526			
3/4"	3-1/8"	1-1/8"	7/16"	C7S	375-1612	375-1616	12Pcs Set	12Pcs Set	
3/4"	3-11/16"	1-11/16"	7/16"	C7M	375-1622	375-1626	375-1602	375-1606	
3/4"	4-1/4"	2-1/4"	7/16"	C7L	375-1632	375-1636	375-1732	375-1736	
3/4"	3-1/2"	1-1/2"	9/16"	C9S	375-1642	375-1646			
3/4"	4-1/4"	2-1/4"	9/16"	C9M	375-1652	375-1656			
3/4"	5"	3"	9/16"	C9L	375-1662	375-1666			
3/4"	3-7/8"	1-7/8"	11/16"	C11S	375-1672	375-1676			
3/4"	4-13/16"	2-13/16"	11/16"	C11M	375-1682	375-1686			
3/4"	5-3/4"	3-3/4"	11/16"	C11L	375-1692	375-1696			
3/4"	4-1/4"	2-1/4"	13/16"	C13S	375-1702	375-1706			
3/4"	5-3/8"	3-3/8"	13/16"	C13M	375-1712	375-1716			
3/4"	6-1/2"	4-1/2"	13/16"	C13L	375-1722	375-1726			
1"	5.0"	3.0"	9/16"	E9L	375-1812	375-1816	7Pcs Set	7Pcs Set	Wooden
1"	5-3/4"	3-3/4"	11/16"	E11L	375-1822	375-1826	375-1802	375-1806	
1"	6-1/2"	4-1/2"	7/8"	E14L	375-1832	375-1836			
1"	6-1/2"	4-1/2"	1-1/16"	E18L	375-1842	375-1846			
1"	7-3/4"	5-3/4"	1-1/4"	E20L	375-1852	375-1856			
1"	8-1/4"	6-1/4"	1-1/2"	E24L	375-1862	375-1866			
1"	9-1/2"	7-1/2"	1-5/8"	E26L	375-1872	375-1876			

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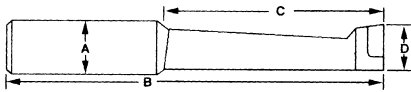


CARBIDE TIPPED METRIC BORING BARS

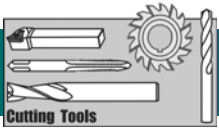
- Up to 100% longer tool life.
- All shanks are grounded to +0-0.01mm.
- Tool life is extended because each bar has far more steel behind the cutting edge for heavier chatter free cut. Deeper bore and more precise work.
- The same bar can bore flat bottom hole or face. Grind bar on cutting end for special tools such as grooving, threading, or automatic operations.

ISOK20-For Cast iron

ISOP20-For Steel



"A" Shank Dia.	"B" Length	"C" Bore Depth	"D" Min. Bore	ISOK20 Model No	ISOP20 Model No	ISOK20 Model No	ISOP20 Model No	Stand Material
10mm	50.8	19	7.9	375-3012	375-3016	9Pcs Set	9Pcs Set	
10mm	60.3	28.5	7.9	375-3022	375-3026	375-3002	375-3006	Wooden
10mm	69.8	38.1	7.9	375-3032	375-3036	375-3102	375-3106	Plastic
10mm	55.5	23.8	9.5	375-3042	375-3046			
10mm	67.46	35.71	9.5	375-3052	375-3056			
10mm	79.3	47.6	9.5	375-3062	375-3066			
10mm	60.3	28.5	11.1	375-3072	375-3076			
10mm	100	42.8	11.1	375-3082	375-3086			
10mm	88.9	57.1	11.1	375-3092	375-3096			
12mm	57.1	19	7.9	375-3212	375-3216	9Pcs Set	9Pcs Set	
12mm	66.6	28.5	7.9	375-3222	375-3226	375-3202	375-3206	Wooden
12mm	76.2	38.1	7.9	375-3232	375-3236	375-3302	375-3306	Plastic
12mm	66.6	28.5	11.1	375-3242	375-3246			
12mm	80.9	42.8	11.1	375-3252	375-3256			
12mm	95.2	57.15	11.1	375-3262	375-3266			
12mm	76.2	38.1	13	375-3272	375-3276			
12mm	95.2	57.1	13	375-3282	375-3286			
12mm	114.3	76.2	13	375-3292	375-3296			
16mm	57.1	19	7.9	375-3412	375-3416	12Pcs Set	12Pcs Set	
16mm	66.6	28.5	7.9	375-3422	375-3426	375-3402	375-3406	Wooden
16mm	76.2	38.1	7.9	375-3432	375-3436	375-3532	375-3536	Plastic
16mm	66.6	28.5	11.1	375-3442	375-3446			
16mm	80.9	42.8	11.1	375-3452	375-3456			
16mm	95.2	57.1	11.1	375-3462	375-3466			
16mm	76.2	38.1	14.2	375-3472	375-3476			
16mm	95.2	57.1	14.2	375-3482	375-3486			
16mm	114.3	76.2	14.2	375-3492	375-3496			
16mm	85.7	47.6	17	375-3502	375-3506			
16mm	109.5	71.4	17	375-3512	375-3516			
16mm	133.3	95.2	17	375-3522	375-3526			
20mm	79.3	28.5	11.1	375-3612	375-3616	12Pcs Set	12Pcs Set	
20mm	93.6	42.8	11.1	375-3622	375-3626	375-3602	375-3606	Wooden
20mm	107.9	57.1	11.1	375-3632	375-3636	375-3732	375-3736	Plastic
20mm	88.9	38.1	14.2	375-3642	375-3646			
20mm	107.9	57.1	14.2	375-3652	375-3656			
20mm	127	76.2	14.2	375-3662	375-3666			
20mm	98.4	47.6	17.4	375-3672	375-3676			
20mm	122.2	71.4	17.4	375-3682	375-3686			
20mm	146	95.2	17.4	375-3692	375-3696			
20mm	107.9	57.1	20.6	375-3702	375-3706			
20mm	136.5	85.7	20.6	375-3712	375-3716			
20mm	165.1	114.3	20.6	375-3722	375-3726			



Cutting Tools

DOUBLE END CALIBRATED BORING BARS



Diameter Of Bar	Overall Length	Tool Bit Size	Model No.
3/8	6"	3/16" round tool bits	378-4302
1/2	6"	3/16" square tool bits	378-4304
1/2	9"	3/16" square tool bits	378-4306
5/8	10"	3/16" square tool bits	378-4308
3/4	12"	1/4" square tool bits	378-4310
1	12"	1/4" square tool bits	378-4312
1-1/4	16"	3/8" square tool bits	378-4314
1-1/2	18"	3/8" square tool bits	378-4316

SINGLE END BORING BARS

45° & 90°



Model No. 378-4240

4pcs set (1/4, 3/8, 1/2, 5/8")90°

Model No. 378-4140

4pcs set (1/4, 3/8, 1/2, 5/8")45°



Diameter of Bar	Overall Length	Bit Size	45° Model No.	90° Model No.
1/4	2-1/2"	5/32" round tool bits	378-4102	378-4202
5/16	2-1/2"	3/16" round tool bits	378-4104	378-4204
3/8	3"	3/16 round tool bits	378-4106	378-4206
1/2	3"	3/16 square tool bits	378-4108	378-4208
9/16	4-12"	3/16 square tool bits	378-4110	378-4210
5/8	5"	1/4 square tool bits	378-4112	378-4212
3/4	6"	1/4 square tool bits	378-4114	378-4214
1"	6"	5/16 square tool bits	378-4116	378-4216
1"	6"	3/8 square tool bits	378-4118	378-4218
1-1/8	7"	7/16 square tool bits	378-4120	378-4220
1-1/4	8"	1/2 square tool bits	378-4122	378-4222
1-1/2	9"	1/2 square tool bits	378-4124	378-4224

DOUBLE END BORING BARS

45° & 90°



Model No.378-4000

5-pc double end set (1/4, 3/8, 1/2, 5/8, 3/4, one of each)

Model No.378-4001

5-pc double end set (3/8, 1/2, 5/8, 3/4, 1" one of each)

Model No.378-4030

4-pc set(1/2x6x1/4", 9/16x6-1/2x1/4", 5/8x10x1/4", 3/4x12x1/4")

Model No.378-4031

4-pc set (1/4, 5/16, 3/8, 1/2")



Size	Tool Bit Size	Model No.
1/4x5"	5/32" round tollbits	378-4002
5/16x5"	3/16" round tollbits	378-4004
3/8x6"	3/16" round tollbits	378-4006
1/2x6"	3/16" square toolbits	378-4008
1/2x6"	1/4"square toolbits	378-4009
1/2x9"	1/4"square toolbits	378-4010
5/8x10"	1/4" square toolbits	378-4012
3/4x12"	1/4" square toolbits	378-4014
1x12"	1/4" square toolbits	378-4015
1x12"	5/16" square toolbits	378-4016
1-1/4x16"	1/2" square toolbits	378-4018
1-1/2x18"	1/2" square toolbits	378-4020
9/16X6-1/2"	1/4"square toolbits	378-4021

FLY-TOOL CUTTER HOLDERS & SETS

Straight Shank



Counter balanced tap get smoother finished.Hardened steel, machines up to 6" wide surface with stand tool bit. Tool bit replaces end mill and resharpening. Sets come complete with wooden stand.

Head Diameter	Shank Size	Tool Bit Size	Model No.	Sets Model No.
3/4"	1/2"	3/16"	225-3031	225-3030
1-1/8"	1/2"	1/4"	225-3032	
1-1/2"	1/2"	5/16"	225-3033	
1-1/2"	3/4"	5/16"	225-3041	225-3040
2"	3/4"	5/16"	225-3042	
2-1/2"	3/4"	5/16"	225-3043	

CIRCULAR CUTTERS

- Cuts steel up to 10mm thick and/or 20mm for two-side work surfaces
- infinitely variable diameter adjustment 30-300mm

MT2, Model No. 286-1002

MT3, Model No. 286-1003

Replacement twist drill 5x15mm: **Model No. 286-1101**

Replacement knife : **Model No. 286-1105**

