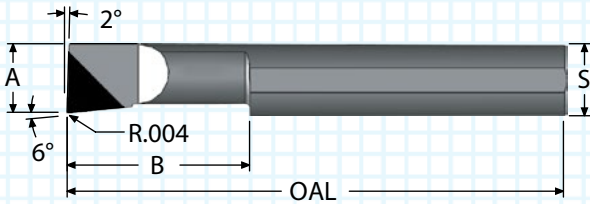


BORING BARS - CBN TIPPED - PCD TIPPED



- PCD for abrasive non-ferrous materials
- CBN for hard ferrous metal - 45Rc plus
- Faster speeds and feeds
- Maintains tighter tolerances
- Solid carbide body for maximum rigidity

"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ORDER #	
				PCD	CBN
0.120	0.250	0.1875	2.00	PCD-B120250	CBN-B120250
0.120	0.350	0.1875	2.00	PCD-B120350	CBN-B120350
0.120	0.500	0.1875	2.00	PCD-B120500	CBN-B120500
0.120	0.600	0.1875	2.00	PCD-B120600	CBN-B120600
0.120	0.700	0.1875	2.00	PCD-B120700	CBN-B120700
0.120	0.800	0.1875	2.00	PCD-B120800	CBN-B120800
0.140	0.250	0.1875	2.00	PCD-B140250	CBN-B140250
0.140	0.400	0.1875	2.00	PCD-B140400	CBN-B140400
0.140	0.500	0.1875	2.00	PCD-B140500	CBN-B140500
0.140	0.600	0.1875	2.00	PCD-B140600	CBN-B140600
0.140	0.700	0.1875	2.00	PCD-B140700	CBN-B140700
0.140	0.750	0.1875	2.00	PCD-B140750	CBN-B140750
0.140	0.800	0.1875	2.00	PCD-B140800	CBN-B140800
0.160	0.250	0.1875	2.00	PCD-B160250	CBN-B160250
0.160	0.400	0.1875	2.00	PCD-B160400	CBN-B160400
0.160	0.500	0.1875	2.00	PCD-B160500	CBN-B160500
0.160	0.600	0.1875	2.00	PCD-B160600	CBN-B160600
0.160	0.750	0.1875	2.00	PCD-B160750	CBN-B160750
0.160	0.900	0.1875	2.00	PCD-B160900	CBN-B160900
0.160	1.000	0.1875	2.00	PCD-B1601000	CBN-B1601000
0.180	0.350	0.250	2.50	PCD-B180350	CBN-B180350
0.180	0.500	0.250	2.50	PCD-B180500	CBN-B180500
0.180	0.600	0.250	2.50	PCD-B180600	CBN-B180600
0.180	0.750	0.250	2.50	PCD-B180750	CBN-B180750
0.180	0.900	0.250	2.50	PCD-B180900	CBN-B180900
0.180	1.000	0.250	2.50	PCD-B1801000	CBN-B1801000
0.180	1.100	0.250	2.50	PCD-B1801100	CBN-B1801100

THREAD MILLS

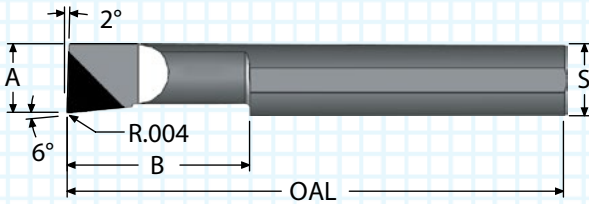
SINGLE POINT TOOLS
BORING

INDEXABLE TOOLS

PORT - CAVITY

SPECIALTY

BORING BARS - CBN TIPPED - PCD TIPPED



- PCD for abrasive non-ferrous materials
- CBN for hard ferrous metal - 45Rc plus
- Faster speeds and feeds
- Maintains tighter tolerances
- Solid carbide body for maximum rigidity

"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ORDER #	
				PCD	CBN
0.200	0.400	0.250	2.50	PCD-B200400	CBN-B200400
0.200	0.500	0.250	2.50	PCD-B200500	CBN-B200500
0.200	0.600	0.250	2.50	PCD-B200600	CBN-B200600
0.200	0.700	0.250	2.50	PCD-B200700	CBN-B200700
0.200	0.800	0.250	2.50	PCD-B200800	CBN-B200800
0.200	0.900	0.250	2.50	PCD-B200900	CBN-B200900
0.200	1.000	0.250	2.50	PCD-B2001000	CBN-B2001000
0.200	1.100	0.250	2.50	PCD-B2001100	CBN-B2001100
0.200	1.200	0.250	2.50	PCD-B2001200	CBN-B2001200
0.200	1.300	0.250	2.50	PCD-B2001300	CBN-B2001300
0.230	0.400	0.3125	2.50	PCD-B230400	CBN-B230400
0.230	0.500	0.3125	2.50	PCD-B230500	CBN-B230500
0.230	0.600	0.3125	2.50	PCD-B230600	CBN-B230600
0.230	0.700	0.3125	2.50	PCD-B230700	CBN-B230700
0.230	0.800	0.3125	2.50	PCD-B230800	CBN-B230800
0.230	0.900	0.3125	2.50	PCD-B230900	CBN-B230900
0.230	1.000	0.3125	2.50	PCD-B2301000	CBN-B2301000
0.230	1.150	0.3125	2.50	PCD-B2301150	CBN-B2301150
0.230	1.200	0.3125	2.50	PCD-B2301200	CBN-B2301200
0.230	1.250	0.3125	2.50	PCD-B2301250	CBN-B2301250
0.230	1.400	0.3125	2.50	PCD-B2301400	CBN-B2301400
0.230	1.500	0.3125	2.50	PCD-B2301500	CBN-B2301500
0.230	1.600	0.3125	2.50	PCD-B2301600	CBN-B2301600
0.290	0.500	0.3125	2.50	PCD-B290500	CBN-B290500
0.290	0.600	0.3125	2.50	PCD-B290600	CBN-B290600
0.290	0.750	0.3125	2.50	PCD-B290750	CBN-B290750
0.290	0.900	0.3125	2.50	PCD-B290900	CBN-B290900
0.290	1.000	0.3125	2.50	PCD-B2901000	CBN-B2901000
0.290	1.100	0.3125	2.50	PCD-B2901100	CBN-B2901100
0.290	1.250	0.3125	2.50	PCD-B2901250	CBN-B2901250
0.290	1.350	0.3125	2.50	PCD-B2901350	CBN-B2901350
0.290	1.500	0.3125	2.50	PCD-B2901500	CBN-B2901500
0.290	1.600	0.3125	2.50	PCD-B2901600	CBN-B2901600
0.290	1.750	0.3125	2.50	PCD-B2901750	CBN-B2901750

"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ORDER #	
				PCD	CBN
0.320	0.500	0.375	2.50	PCD-B320500	CBN-B320500
0.320	0.600	0.375	2.50	PCD-B320600	CBN-B320600
0.320	0.750	0.375	2.50	PCD-B320750	CBN-B320750
0.320	0.900	0.375	2.50	PCD-B320900	CBN-B320900
0.320	1.000	0.375	2.50	PCD-B3201000	CBN-B3201000
0.320	1.100	0.375	2.50	PCD-B3201100	CBN-B3201100
0.320	1.250	0.375	2.50	PCD-B3201250	CBN-B3201250
0.320	1.500	0.375	2.50	PCD-B3201500	CBN-B3201500
0.320	1.600	0.375	2.50	PCD-B3201600	CBN-B3201600
0.320	1.800	0.375	2.50	PCD-B3201800	CBN-B3201800
0.320	2.000	0.375	4.00	PCD-B3202000	CBN-B3202000
0.320	2.500	0.375	4.00	PCD-B3202500	CBN-B3202500
0.320	3.000	0.375	4.00	PCD-B3203000	CBN-B3203000
0.360	0.500	0.375	2.50	PCD-B360500	CBN-B360500
0.360	0.600	0.375	2.50	PCD-B360600	CBN-B360600
0.360	0.750	0.375	2.50	PCD-B360750	CBN-B360750
0.360	0.900	0.375	2.50	PCD-B360900	CBN-B360900
0.360	1.000	0.375	2.50	PCD-B3601000	CBN-B3601000
0.360	1.150	0.375	2.50	PCD-B3601150	CBN-B3601150
0.360	1.250	0.375	2.50	PCD-B3601250	CBN-B3601250
0.360	1.500	0.375	2.50	PCD-B3601500	CBN-B3601500
0.360	1.600	0.375	2.50	PCD-B3601600	CBN-B3601600
0.360	1.800	0.375	2.50	PCD-B3601800	CBN-B3601800
0.360	2.000	0.375	4.00	PCD-B3602000	CBN-B3602000
0.360	2.500	0.375	4.00	PCD-B3602500	CBN-B3602500
0.360	3.000	0.375	4.00	PCD-B3603000	CBN-B3603000

THREAD MILLS

SINGLE POINT TOOLS
BORING

INDEXABLE TOOLS

PORT - CAVITY

SPECIALTY