

# DIAMOND/CBN HONING STONES

FOR USE IN "ALL BRAND" STYLE TOOLING



## HIGH QUALITY LINE OF METAL BONDED HONING STONES

- ✓ Designed to fit and function in tooling used on horizontal style honing machines such as ML, EC, and MBB
- ✓ Quality and cost efficient alternative to the traditional "ALL BRAND" OEM honing stones
- ✓ Produced using state of the art CNC sintering equipment assuring our customers of consistent quality over time
- ✓ Achieving sound results on a variety of materials, including cast iron, carbide, steel, chrome, ceramic and alloys

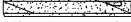


HIGHLY REGARDED FOR THEIR EASE OF USE AND LONG-TERM DURABILITY

**STONE CODE CHART for converting "All BRAND" stones to Bates**

Bates Technologies' part numbering system distinguishes its products from those of its competitors. This system assures customers they are gaining the Bates edge in quality and performance in every stone purchased.

The matrix shown on this page reflects the interpretation of the AB stone code along with the same stone interpreted in the Bates code. These conversion charts were developed to assist you in understanding the part numbering system. Should you have any questions, please contact us. We will give you our immediate assistance.

\* AB - "All BRAND"

STONE SIZES		
Bore Size	AB	Bates
<b>B-Series Stone</b>		
		
.100-.120	K3	NA*
.120-.150	K4	NA*
.150-.185	K5	B5
.185-.245	K6	B6
.245-.308	K8	B8
.308-.370	K10	B10
.370-.485	K12	B12
.496-.619	K16	B16
.619-.744	K20	B20
<b>BP-Series Stone</b>		
		
.619-1.00	P20	BP20
1.0-3.625	P28	BP28
1.0-3.625	R28	BR28
<b>BL-Series Stone</b>		
		
.100-.120	L3	NA*
.120-.150	L4	NA*
.150-.185	L5	BL5
.185-.245	L6	BL6
.245-.308	L8	BL8
.308-.370	L10	BL10
.370-.485	L12	BL12
.496-.619	L16	BL16
.619-.744	L20	BL20

\* Not available

GRIT Size		DIAMOND							
		BOND CODE		BOND CODE		BOND CODE		BOND CODE	
		AB	Bates	AB	Bates	AB	Bates	AB	Bates
30/40	↑ Coarser ↓ Finer	N/A	D602-1	N/A	D602-2	N/A	D602-3	N/A	D602-4
60/80		DM13	D252-1	DM15	D252-2	DM17	D252-3	DM19	D252-4
80/100		DM33	D181-1	DM35	D181-2	DM37	D181-3	DM39	D181-4
120/140		DM43	D126-1	DM45	D126-2	DM47	D126-3	DM49	D126-4
200/230		DM53	D76-1	DM55	D76-2	DM57	D76-3	DM59	D76-4
230/270		DM63	D64-1	DM65	D64-2	DM67	D64-3	DM69	D64-4
325/400		DM83	D46-1	DM85	D46-2	DM87	D46-3	DM89	D46-4
450		DM93	D45-1	DM95	D45-2	DM97	D45-3	DM99	D45-4
600		DM03	D30-1	DM05	D30-2	DM07	D30-3	DM09	D30-4
800		DM903	D25-1	DM905	D25-2	DM907	D25-3	DM909	D25-4
1200		DM003	D15-1	DM005	D15-2	DM007	D15-3	DM009	D15-4
		← Softer				Harder →			

Some grit sizes may not be available in all sizes of stones.

GRIT Size		CBN							
		BOND CODE		BOND CODE		BOND CODE		BOND CODE	
		AB	Bates	AB	Bates	AB	Bates	AB	Bates
30/40	↑ Coarser ↓ Finer	N/A	C602-1	N/A	C602-2	N/A	C602-3	N/A	C602-4
60/80		NM13	C252-1	NM15	C252-2	NM17	C252-3	NM19	C252-4
80/100		NM33	C181-1	NM35	C181-2	NM37	C181-3	NM39	C181-4
120/140		NM43	C126-1	NM45	C126-2	NM47	C126-3	NM49	C126-4
200/230		NM53	C76-1	NM55	C76-2	NM57	C76-3	NM59	C76-4
230/270		NM63	C64-1	NM65	C64-2	NM67	C64-3	NM69	C64-4
325/400		NM83	C46-1	NM85	C46-2	NM87	C46-3	NM89	C46-4
450		NM93	C45-1	NM95	C45-2	NM97	C45-3	NM99	C45-4
600		NM03	C30-1	NM05	C30-2	NM07	C30-3	NM09	C30-4
800		NM903	C25-1	NM905	C25-2	NM907	C25-3	NM909	C25-4
1200		NM003	C15-1	NM005	C15-2	NM007	C15-3	NM009	C15-4
		← Softer				Harder →			

Some grit sizes may not be available in all sizes of stones.

ABRASIVE CODE		
Type	AB	Bates
Diamond	DM	D
CBN	NM	C
MATERIALS HONED WITH:		
Diamond	Cast iron Chrome Glass	Carbide Ceramic
CBN	Hard/Soft Steel Inconel Stellite Stainless Steel	

AB Stone Code: K20-DM35			
Bates Stone Code: B20-D181-2			
Stone Size	Abrasive Code	Grit Size	Hardness Code
K20	DM	3	5
B20	D	181	2

HARDNESS CODE		
Type	AB	Bates
Soft	3	1
Standard	5	2
Hard	7	3
Hardest	9	4

GRIT SIZE CODE		
Size	AB	Bates
30/40	N/A	602
60/80	1	252
80/100	3	181
120/140	4	126
200/230	5	76
230/270	6	64
325/400	8	46
450	9	45
600	0	30
800	90	25
1200	00	15



**GET IN TOUCH WITH US TODAY**  
**TOGETHER WE WILL FIND A SOLUTION**  
**FOR YOUR REQUIREMENTS**

**Precision Surfacing Solutions, LLC**

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