Product Lineup

XEBEC Ceramic Stone™ Meister Finish

Rod type *Equivalent grit

Stick type *Equivalent grit

Stick type *Equivalent grit

■ Rod type *Equivalent grit

Stick holder

XEBEC Ceramic Stone™ Heat-Resistant

2.0 x 100 HR-2010M HB-2010M H0-2010M HD-2010M HV-2010M

XEBEC Ceramic Stone™ Diamond

XEBEC Ceramic Stone™ Soft

Rod Type | 2.0 x 6 x 100 | BS-2006M | PBS-30M |

XEBEC Ceramic Stone™ Accessary

※XEBEC Ceramic Stone™ Soft cannot be used with rotating or ultrasonic tools.

Demonstration	Stick type *Equivalent grit											
0.68 1.10	Dimensions	Pink	Cream	Yellow								
Sept 100	0.3 x 4 x 100	-	-	-				AP-0304M	A0-0304M			-
Sept 100		-	-	-	AR-0404M	AW-0404M	AB-0404M	AP-0404M	AO-0404M	AL-0404M	AD-0404M	
See 1100		-		-	☆					☆	-	-
See a to 10		-		_						_	-	
15.5 4 at 100					Ÿ.	×	W _	¥	n -	×		
Big 110		_		-	AR-0504M	AW-0504M	AB-0504M	AP-0504M	A0-0504M	AL-0504M	AD-0504M	
See 19 100		-	-	-								
0.5 0.5		-	-	-	AP-0506M				AO-0506M	AL-0506M	AD-0506M	-
SS 9110	0.5 x 6 x 150	-	-	-	AR-0506L	AW-0506L	AB-0506L	AP-0506L	A0-0506L	AL-0506L	AD-0506L	-
Sept 100 ARGS 100 ARGS 100 ACG 100 ACG 100 ACG 100 ACG		-		-	*	☆					☆	-
58 10		-		_	* AD 0510M					- ''		-
68 1 100		-		_								
0.89 1100				-	₩ ₩	AW-05TOL	AD-USTUL	AP-USTUL	#0-0510L	AL-USTOL	AD-05 TOL	
687.82.1100		-		-	*	± ±	ή 1	*	r r	*	-	-
1874 100 -		-	-	-		*		☆			☆	-
0.814 150 -	0.8 x 2 x 150	-	-	-	×	☆	ú	☆	☆	☆	-	-
0.8 6 100		-		-				AP-0804M				
See 100		-		-								-
0.8 19 10 - -		_										
08.819.150 - - - - - - - - -			-	-								
08.10.100		-		-								_
10.5 11.00		-	-	-	AR-0810M	AW-0810M	AB-0810M			AL-0810M	AD-0810M	-
1.03 x 1.150	0.8 x 10 x 150	-	-	-		AW-0810L	AB-0810L	AP-0810L		AL-0810L	AD-0810L	-
10.8 x x 1100		AS-1001M	AC-1001M	AY-1001M								-
1.0 x 2 x 150		-		- AV 1000M								-
10.9 4 x 100		AS-1002M	AC-1002M	AY-1002M	AH-1002M	AW-1002M	AB-1004M	AP-1002M			AD-1002M	AV-1002M
1.0 x 4 x 180				AY-1004M	ΔR.1004M	AW-1004M	AR-1004M	AD 1004M		_ ^	AD-1004M	AV-1004M
1.0 x 6 x 100		_	-	-								
1.0 x 8 x 100		-	-	AY-1006M	AR-1006M							
10.88150	1.0 x 6 x 150	-		-		AW-1006L	AB-1006L	AP-1006L	A0-1006L	AL-1006L	AD-1006L	AV-1006L
1.0x 10x 10x		-		-								
10.5 to 150		-		-								
1.5x1x150		-		AY-1010M								
1.5x15x150				-								AV-1010L
1.5x15x100		_	-	-								_
1.5x 2x 150		-	-	-	AR-15015M	AW-15015M	AB-15015M		AO-15015M	AL-15015M	AD-15015M	-
1.5x2x150	1.5 x 1.5 x 150	-	-	-	☆	☆	☆	¥	☆	☆	☆	-
15x4x100		-		-	☆	*	☆	☆				-
1.5x 4x 150		-		-	*	*	†	×		- "	- "	-
1.5 x 6 x 100		-	-	-								
15x8x150		-		_								
1,5 x 8 x 150		_		-								
15x10x100	1.5 x 8 x 100	-	-	-			¥	\$	☆	☆	☆	-
1.5 10 150		-	-	-	☆	*	☆	女	☆	☆	- 71	-
20x1x150		-	-	-								
20x1x150		-	-	-								AV-1510L
20.2 x 100		-			× ×	×	W A					
20.1				-	AB-2002M	WSUUSW	AB-2002M					
20x4x100		_	-	-	AITEGOLINI	₩ EGOEIN				☆		_
B28 k 100		-	-	-	AR-2004M	AW-2004M		AP-2004M	A0-2004M	AL-2004M	AD-2004M	AV-2004M
20.8 k 150		-			AR-2004L	AW-2004L	AB-2004L				AD-2004L	
20.8 x 100		-		-								
20.x8x150		-	-	-								AV-2006L
20x10x100		-	-	-								
20x1x150												AV 2010M
30.x x 100 - -		_	-	-								
30x2x100		-	-	-	☆						☆	-
30.x2x150	3.0 x 1 x 150		-		女	*	th the		☆	*	☆	
30.x4x100		-		-								-
3.0 x 4 x 150 AR-3004L AW-3004L AB-3004L AP-3004L AD-3004L AD-3004L AD-3004L AU-3006M AD-3006M AU-3006M AD-3006M		_										
30.9€x100		-										
30.x6x150		_		- -								
30x8x100				-								$\overline{}$
3.0 x 8 x 150 ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ 3.0 x 10 x 100 AR-30 10M AW-30 10M AB-30 10M AP-30 10M AP		_		-								
3.0 x 10x 10x 0 = AP-3010M AW-3010M AB-3010M AP-3010M AO-3010M AL-3010M AD-3010M AV-3010M		_	-	-								
3.0×10×150 AR-3010L AW-3010L AB-3010L AP-3010L A0-3010L AL-3010L AD-3010L AV-3010L	3.0 x 10 x 100	-	-	-								
	3,0 x 10 x 150		-		AR-3010L	AW-3010L	AB-3010L	AP-3010L	A0-3010L	AL-3010L	AD-3010L	AV-3010L

: ask XEBEC or local distributors

XEBEC Ceramic Stone™ Pencil Lineup

Pencil type

Dimensions T x W x L (mm)	Red #1200*	Blue #800*	Pack of	Corresponding Holder
0.5×0.5× 0	3PACK-AR-0505S	3PACK-AB-0505S	3	PCL-5
0.9×0.9×50	3PACK-AR-0909S	3PACK-AB-0909S	3	PCL-9

Pencil holder

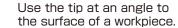
Product Code		
PCL-5	ø0.7 mm	AR-0505S,AB-0505S(0.5mm角)
PCL-9	al 3 mm	ΔR-0909S ΔR-0909S(0.9mmfb)

Instructions for use

For effective use

- •Use the tip at about 45 degree angle from the workpiece.
- •Using it together with an oscillation tool (ultrasonic, air, electric etc.) improves effectiveness.
- Using lubricant prevents clogging and increases polishing efficiency.







Rod type has grinding power in both the tip and sides.



Applying lubricant improves polishing efficiency. *Using a metal lubricant is recommended.

You can shape or form the tool tip to suit specific application.

- •You can easily shape or form the stone with an electrodeposited diamond file or grinder.
- To shape the tip of the rod type thinner, chuck the stone to a grinding tool and rotate it for forming.







How to cut stick types: Make notches from both sides using an electrodeposited diamond file and cut off a tip.

Precautions for Use

- Before using a vibration tool or a hand grinder, carefully read the usage precautions and respective manuals.
- •When using rod type (Φ2.34, Φ3) with a hand grinder. use at less than the maximum rotation speed of 30,000 min-1 and less than 50mm in length
- •When using with an ultrasonic polisher:
- \cdot Check the appropriate output. The tool may break or generate heat
- $\boldsymbol{\cdot}$ Check the appropriate length. If the length is inappropriate, the tool may no oscillate, or concentrated output may result in heat generation.
- · Clamp securely. Poor clamping may concentrate output, resulting in
- excessive heat generation
- · Polishing performance may vary depending on the structure and method of the clamp in use; read carefully the instruction manual of your ultrasonic polisher
- ■XEBEC Ceramic Stone™ Soft cannot be used with rotating or ultrasonic tools.

Operation Safety Measures

[Wear Protective Equipment]
Always wear protective goggles, gloves and masks when operating the tool. In addition, wear long sleeves and have the cuffs/bottom of the jacket properly closed to minimize skin exposure.

[Pre- operation inspection]

When mounting on machines, insert the shank end all the way to the bottom of the chuck, and secure it tightly. Stop the tool immediately if you find anything unusual such as vibration; dangerous head or shaft breakage, deformation or even tool breakdown may occur.

[Caution to your surroundings]
The area around your work is hazardous in case flying pieces of fiber rods from the tools and grinding powder may scatter. Enclose your working area to prevent other people entering, or have the people surrounding your work area wear protective equipment as well.

*Our products do not contain refractory ceramic fibers



Follow the precautions in use and safety measures for operators above without fail. If you fail to observe them, Warning there are following risks.

- A tool or a part of a tool may crack, drop off, distort or break.

 Broken pieces of a tool or grinding dust may stick into your skin, or at worst stick into
- Dust generated by machining process may bring up skin irritancy or allergy.

Please visit our homepage for details.



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Made in Japan

ISO9001 Conformity

XEBEC products are manufactured international quality control and assurance standards.



XEBEC **Ceramic Stone™**

and Mold Polishing

Unique polishing stones made of XEBEC's original ceramic fibers.

No breaking, No cracking, No chipping.

- XEBEC Ceramic Stone™ Meister Finish
- XEBEC Ceramic Stone™ Pencil
- >> XEBEC Ceramic Stone™ Heat-Resistant

Features [Uniquely developed by XEBEC]

- **→** XEBEC Ceramic Stone™ Diamond
- XEBEC Ceramic Stone™ Soft

Quick Product Reference Matrix

Product name

XEBEC Ceramic Stone™

Best solution for removing EDM scales. **XEBEC Ceramic Stone™** Sides of rod type can be used. Materials up to **Meister Finish** • Can be formed into desired shape by an electrodeposited diamond stone. HRC57 Variety of sizes is available. (plastic mold steel, Heat resistance temperature has been increased up to 200 degree Celsius. carbon steel) **XEBEC Ceramic Stone™** Long hour usage is possible even with an ultrasonic polisher. **Heat-Resistant** Can be used to polish deep slits of ribs. Efficiently and cleanly polishes hard materials. Materials harder than HRC57 **XEBEC Ceramic Stone™** Both tip and sides can be used to polish. (cemented carbide. Diamond

Targeted workpiece

hardened stee |)

• Can be formed into desired shape by an electrodeposited diamond stone.

• Can be used even more efficiently when attached to tools.

Nonferrous materials Rubber binder allows soft contact to workpiece.

Resistant to scratches: great polish.

XEBEC Ceramic Stone™ Meister Finish Patented

For mold polishing and deburring

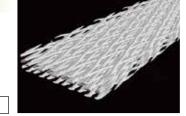
Perfect to polish ribs, inside of holes and narrow area. You can form the shape of the stones to fit the target area.



Features of XEBEC Ceramic Stone™ Meister Finish (Stick type)

Two way linear structure of ceramic fiber! [Uniquely developed by XEBEC]

- Efficiently polish by tip of the stick.
- We have an extensive lineup in a range of #120~#3000 equivalent.



Patented

Features of XEBEC Ceramic Stone™ Meister Finish ⟨Rod type⟩

Revolutionary braded structured ceramic fiber! [Uniquely developed by XEBEC]

- •No breakage during high speed rotation. No splitting of the tip.
- Outting edges on the ceramic fiber tips are exposed entire surface of the rod type, and both tips and sides can polish.

 Dia. 2mm and smaller and # 220 equivalent (gray) has the same structure as the stick type.



Braded structure

Patented

Usage/Applications

- Ideal for precise polishing of ribs, flat surfaces, curves, bosses, etc., of various forming molds. (especially plastic mold)
- Excellent polishing performance for material up to HRC57.
 (XEBEC Ceramic Stone™ Diamond is available for workpieces over HRC57)
- High polishing efficiency can be achieved without clogging, even for metals such as aluminum, copper, gun material, etc., which clogs with conventional abrasive stones.

Application examples

Can be used with electric, air, and ultrasonic polishers for greater polishing efficiency.







XEBEC Ceramic Stone™ Heat-Resistant

For mold polishing and deburring (Designed for ultrasonic polishers)

Durability has been enhanced for prolonged use with ultrasonic tools.



Features

- Heat resistance temperature of XEBEC Ceramic Stone™ Heat-Resistant is 200 degree Celcius!
- Can be used to polish deep slits of ribs.
- Best solution for removing EDM scales.

XEBEC Ceramic Stone™ Diamond

For high hardness material

Polishes materials harder than HRC57 such as cemented carbide and hardened steel (SKD, DC, STAVAX, HPM, ASP, etc).



Features

- All layers contain diamond particles so grinding performance does not change.
- Can polish both the tip and the sides.
- Can be used with electric, air, and ultrasonic polishers for greater polishing efficiency.



XEBEC Ceramic Stone™ Soft

For fine deburring and removing scratches

Rubber binder allows soft contact and do not damage workpiece.



Features

- •Adapts well to the shape of the workpiece.
- Resistant to scratches; great polish.
- Removes only burrs without causing undercutting or linear scratches.



**Please note it cannot be twisted. Due to the soft binder the grindstone may split when twisted strongly.

Usage/Applications

- Ideal for polishing of copper electrodes and fine deburring.
- Shade scratches on workpieces.



Work with drafting pencils.

use up to the end.

Hard to break and possible to

XEBEC Ceramic Stone™ Pencil

For polishing and deburring narrow parts

Ideal for polishing engraved and narrow details of mold



Also for deburring purpose





