



Ceramic Media



WISCONSIN PORCELAIN

Wisconsin Porcelain Company, a manufacturer of quality ceramic parts since 1919, would like to introduce

you to our line of ceramic pre-formed tumbling media.

Available in a wide variety of shapes, sizes, colors and compositions, Wisconsin Porcelain tumbling media

features unmatched performance and reliability. ■ In

1955, Wisconsin Porcelain became the first domestic manufacturer of ceramic pre-formed tumbling media.

Since that time, we have maintained our reputation as the leader in the metal finishing industry. ■ Wisconsin

Porcelain can offer you the largest selection of compositions, shapes and sizes available, the industry's most

consistent sizing and largest inventory of finished media ready for immediate delivery. Our pre-tumbling

process minimizes chipping and the use of only virgin abrasive grain means unmatched quality in all of our

media. ■ Wisconsin Porcelain pre-formed tumbling media—quality and consistency by design. ■

Ceramic Media



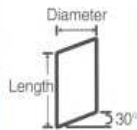
Angle Cut Cylinders

Angle/Cylinders are a uniquely designed tumbling media to improve finishes and cut costs. They reach into the most remote crevices and holes and virtually eliminate bridging or stacking. Standard in these sizes:



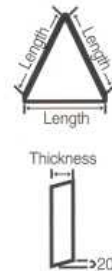
20° Angle Cut Triangles

Angle/Triangles reach into remote areas not accessible to regular square-cut media. They provide an amazingly efficient media which retains its basic shape. Standard in these sizes:

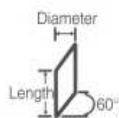


30° Angle Cut Cylinders

Part ID	Description	Diameter	Length
10000	F 1/8"	1/8"	1 1/32"
10030	F 3/16"	3/16"	1 1/32"
10070	F 3/16"	3/16"	9/16"
10100	F 7/16"	7/16"	25/32"
10140	F 3/8"	3/8"	1 1/8"
10700	ECH 3/16"	3/16"	9/16"
10710	ECH 7/16"	7/16"	25/32"
10720	ECH 3/8"	3/8"	1 1/8"
10730	ECH 7/8"	7/8"	1 1/2"
10010	C 1/8"	1/8"	1 1/32"
10040	C 3/16"	3/16"	1 1/32"
10080	C 3/16"	3/16"	9/16"
10110	C 7/16"	7/16"	25/32"
10150	C 3/8"	3/8"	1 1/8"
10180	C 7/8"	7/8"	1 1/2"
10020	XC 1/8"	1/8"	1 1/32"
10050	XC 3/16"	3/16"	1 1/32"
10090	XC 3/16"	3/16"	9/16"
10120	XC 7/16"	7/16"	25/32"
10160	XC 3/8"	3/8"	1 1/8"
10190	XC 7/8"	7/8"	1 1/2"
10268	HE 3/16"	3/16"	9/16"
10269	HE 7/16"	7/16"	25/32"
10911	HE 3/8"	3/8"	1 1/8"
10771	HE 7/8"	7/8"	1 1/2"
10060	H 3/16"	3/16"	1 1/32"
10130	H 7/16"	7/16"	25/32"
10170	H 3/8"	3/8"	1 1/8"
10968	PZ 1/8"	1/8"	1 1/32"
10958	PZ 3/16"	3/16"	1 1/32"
10979	PZ 3/16"	3/16"	9/16"
10987	PZ 7/16"	7/16"	25/32"



Part ID	Description	Length	Thickness
10380	F 3/8" T	3/8"	3/16"
10428	F 5/8" T	5/8"	3/16"
10470	F 7/8" T	7/8"	3/16"
10780	ECH 3/8" T	3/8"	3/16"
10790	ECH 7/8" T2	7/8"	3/8"
10791	ECH 7/8" T3	7/8"	15/16"
10800	ECH 1 1/8" T	1 1/8"	3/16"
10853	ECH 1 1/8" T3	1 1/8"	15/16"
10810	ECH 1 3/8" T	1 3/8"	1/2"
10820	ECH 1 7/8" T	1 7/8"	3/8"
10390	C 3/8" T	3/8"	3/16"
10410	C 3/8" T2	3/8"	3/8"
10431	C 5/8" T	5/8"	3/16"
10430	C 3/8" T2	3/8"	3/8"
10450	C 3/8" T3	3/8"	9/16"
10480	C 7/8" T	7/8"	3/16"
10520	C 7/8" T3	7/8"	15/16"
10540	C 1 1/8" T	1 1/8"	3/16"
10590	C 1 1/8" T3	1 1/8"	15/16"
10610	C 1 3/8" T	1 3/8"	1/2"
10630	C 1 7/8" T	1 7/8"	3/8"
10370	XC 3/16" T3	3/16"	3/8"
10400	XC 3/8" T	3/8"	3/16"
10420	XC 1/8" T2	3/8"	3/8"
10429	XC 5/8" T	5/8"	3/16"
10440	XC 3/8" T2	3/8"	3/8"
10460	XC 3/8" T3	3/8"	9/16"
10490	XC 7/8" T	7/8"	3/16"
10530	XC 7/8" T3	7/8"	15/16"
10550	XC 1 1/8" T	1 1/8"	3/16"
10600	XC 1 1/8" T3	1 1/8"	15/16"
10620	XC 1 3/8" T	1 3/8"	1/2"
10640	XC 1 7/8" T	1 7/8"	3/8"
10271	HE 3/8" T3	3/8"	9/16"
10841	HE 7/8" T3	7/8"	15/16"
10272	HE 1 1/8" T2	1 1/8"	3/8"
10273	HE 1 1/8" T	1 1/8"	1/2"
10274	HE 1 7/8" T	1 7/8"	3/8"
10510	H 7/8" T2	7/8"	3/8"
10570	H 1 1/8" T	1 1/8"	15/16"
10580	H 1 1/8" T2	1 1/8"	3/8"
10500	SC 7/8" T	7/8"	3/16"
10560	SC 1 1/8" T	1 1/8"	3/16"



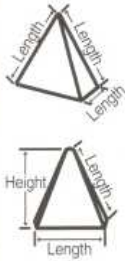
60° Angle Cut Cylinders

Part ID	Description	Diameter	Length
10200	F 1/4" A60	1/4"	7/16"
10230	F 3/8" A60	3/8"	9/16"
10210	C 1/4" A60	1/4"	7/16"
10220	C 3/16" A60	3/16"	1/2"
10240	C 3/8" A60	3/8"	9/16"



Pyramids and Tetrahedrons

These two shapes combine the excellent tumbling qualities of Cylinders, Triangles, Cones and Star shapes. The flat sides provide the best in cutting surfaces, and are designed to reach into holes and slots without lodging...They react well in vibratory equipment. The orbital action in round bowl type equipment is extremely good.

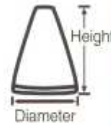


Part ID	Description	Length	Height
10350	C 1 1/4" PY	1 1/4"	1"
10360	C 1 1/4" Tet	1 1/4"	1 1/4"



Cones

Cones are designed so they will easily separate from parts. Their unique shape enables them to reach into remote areas without lodging. Standard in these sizes:

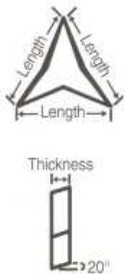


Part ID	Description	Diameter	Height
10300	FB 3/8" CN	3/8"	1/2"
10310	FB 7/16" CN	7/16"	3/8"
10320	FB 1 1/16" CN	1 1/16"	3/4"
10330	C 3/4" CN	3/4"	7/8"
10340	XC 3/4" CN	3/4"	7/8"



20° Angle Cut Stars

Angle/Stars may replace three or more sizes of other preformed media and provides for a wide variety of parts—both simple and intricate shapes. Standard in these sizes:

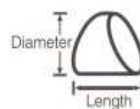


Part ID	Description	Length	Thickness
10974	ECH 5/8" S	5/8"	1/4"
10891	ECH 7/8" S	7/8"	5/16"
11056	ECH 1 1/8" S	1 1/8"	3/8"
10260	C 7/8" S	7/8"	5/16"
10280	C 1 1/8" S	1 1/8"	3/8"
10250	XC 5/8" S	5/8"	1/4"
10270	XC 7/8" S	7/8"	5/16"
10290	XC 1 1/8" S	1 1/8"	3/8"
10275	HE 5/8" S	5/8"	1/4"
10276	HE 7/8" S	7/8"	5/16"
10277	HE 1 1/8" S	1 1/8"	3/8"



Cylindrical Wedges

The Cylindrical Wedge is one of our most versatile media products. It combines the excellent surface finish of a cylinder, while the large flat sides provide a maximum cutting area. Standard in these sizes:

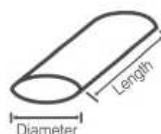


Part ID	Description	Diameter	Length
10031	ECH 5/8" WG	5/8"	3/4"
10910	ECH 1" WG	1"	1 1/8"
10920	ECH 1 1/2" WG	1 1/2"	1 5/8"
11055	C 1" WG	1"	1 1/8"
10892	C 1 1/2" WG	1 1/2"	1 5/8"



Angle/Ellipses

Angle/Ellipses combine the cutting action of flat triangles with the finishing action of Cylinders. The unique shape can resolve lodging problems and is particularly effective on concave surfaces. Standard in these sizes:



Part ID	Description	Diameter	Length
11057	C 7/16" Ellp	7/16"	25/32"
11054	C 3/4" Ellp	3/4"	1"

Quality By Design

Compositions

“FB” Media

For very fine burnishing

A ceramic media which contains no abrasive. It's recommended for burnishing and polishing operations. This very hard and long-wearing media weighs approximately 85 pounds per cubic foot and is off-white in color.

“F” Media

For light deburring and burnishing

“F” media contains just the right amount of finely-sized aluminum oxide abrasives for light deburring. When used with proper compounds, it will impart a very desirable burnished, or polished finish. It weighs approximately 85 pounds per cubic foot and is white in color.

“ECH” Media

For cutting and fine finishing

“ECH” Media is a general purpose pre-tumbled media containing aluminum oxide abrasive. Intended primarily for medium cut applications, it will leave a smooth surface finish because of the size of the abrasive grain. Economically priced, “ECH” media is extremely efficient when the amount of the metal removal is compared to media wear. It weighs approximately 90 pounds per cubic foot and is dark brown in color.

“C” Media

For cutting or burnishing

“C” media contains a coarser-grained aluminum oxide abrasive. Its rate of metal cut compared to media wear makes it a very efficient media. When used with proper compounds, “C” media will also provide a burnished finish. It weighs approximately 85 pounds per cubic foot and is blue in color.

“XC” Media

For aggressive cutting

This unusually aggressive media gets to work right away in the removal of heavy burrs, flash, or scale. Since it is made with finely sized aluminum oxide abrasive, amazingly good finishes can be obtained. It weighs approximately 85 pounds per cubic foot and is greenish-grey in color.

“HE” Media

For aggressive cutting and large equipment

Our “HE” media has been formulated for applications involving centrifugal force equipment and large cross-section vibrators. The aluminum oxide abrasive in this pre-tumbled media is blended with a hard ceramic body to increase durability and minimize fracturing. A very fast cutting composition, this media weighs approximately 100 pounds per cubic foot and is tan in color.

“SC” Media

Especially suited for materials to be welded, brazed or soldered

“SC” is an aggressive cutting media which contains silicon carbide abrasive grain. It is recommended for use on parts that can have no aluminum oxide impregnation (usually parts which are to be welded, brazed or soldered). It weighs approximately 85 pounds per cubic foot and is white in color with blue specks.

“H” Media

For super fast cutting

A tough, faster-cutting, longer-wearing, very efficient cutting media. “H” media contains aluminum oxide abrasive grain, weighs approximately 108 pounds per cubic foot and is grey in color.

“PZ” Media

Ideal for burnishing or accelerated chemical deburring

An extremely heavy, high-density media that can replace steel media for burnishing. Increased weight decreases time cycles in acid process deburring. It weighs approximately 130 pounds per cubic foot and is cream in color.



Wisconsin Porcelain Parts Processing Lab

A Value Added Opportunity With No Cost To Our Customers

In any mass finishing operation, choosing the right combination of media, compound and vibratory equipment is an essential first step. This early guidance will allow you to achieve the lowest possible unit cost for your specific finishing application. Our parts processing labs located in Sun Prairie, Wisconsin and Lakes Wales, Florida are at your service to provide these benefits.

Our technicians in each location have both an intimate knowledge of our product capabilities and extensive testing experience in process recommendations. These hands-on problem solving specialists will work with you to improve your process without disrupting your day-to-day production requirements. Again, at no cost to you. This is just one of the benefits of our overall customer-oriented service program.

Our labs are fully stocked with not only the largest selection of media compositions, sizes and shapes but are also equipped with a large cross section of vibratory finishing machines which allow us to duplicate finishing conditions in our customers' plants. Compounds used in any testing can be those currently being used in your specific application or will be recommended by our labs.

Working closely with a manufacturer such as Wisconsin Porcelain to achieve better productivity and improved parts surface requirements is the most economical approach to improving your vibratory finishing processes. By working with our customers it provides Wisconsin Porcelain the opportunity to recognize requirements for new products and further develop formulations designed for the ever-changing needs of the mass finishing industry.

Use your advantage by letting us help you.



DISTRIBUTOR INFORMATION

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