AMACAST

CAST STAINLESS STEEL SHOT

SUPERIOR BY DESIGN

IN ABRASIVE APPLICATIONS

With a corporate vision for continuous improvement and a commitment to make strategic breakthroughs in abrasive applications, materials, and new technologies, Ervin Industries has become the world leader in the steel abrasive industry.

This commitment to meeting our customers' specialized requirements was the foundation for the Ervin Product Development Center and the introduction of AMACAST stainless steel shot. AMACAST is a 300-series stainless steel shot designed to meet your specific production requirements and is manufactured to the same stringent quality standards that have led Ervin Industries for the last seven decades. Offered in five separate size ranges, AMACAST combines unmatched recyclability and surface finish for a wide variety of special applications.

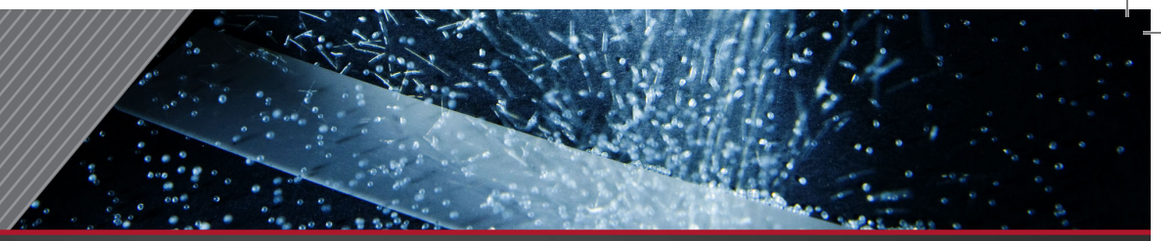
AMACAST...tailored to meet your changing needs now and into the next century.

For more details
800.748.0055
ervinindustries.com

ERVIN

AMACAST

CAST STAINLESS STEEL SHOT



300-Series

AMCAST cast stainless steel shot is manufactured with an uncompromising commitment to excellence that continues to establish ERVIN as the world leader in the abrasive industry.

Standards

Chemical Analysis

Chromium.....16-20%
Nickel.....6-10%
Silicon.....<3%
Manganese.....<2%

Micro-structure

Austenitic. Becomes somewhat magnetic as work hardened.

Density

The density shall be greater than 7 gm/cc.

General Appearance

The cast stainless steel shot shall be spherical in shape with a bright metallic appearance.

Approximate Size

SCAN ME!

Hardness

Approximate hardness conversion numbers taken from ASTM E 140 tables 1 and 2.

After use typical 470 HV

As produced typical 200 HV

Vickers Hardness Number	**Rockwell** Hardness Number C Scale	**Rockwell** Hardness Number B Scale
697	**60**	—
513	**50**	—
392	**40**	—
302	**30**	—
240	**20**	**100**
185	—	**90**
150	—	**80**

Sieve opening standard (microns)	**Sieve designation**	**Nominal sieve opening (inches)**	**ERVIN STAINLESS SHOT TOLERANCES**				
			ES-180	**ES-300**	**ES-450**	**ES-600**	**ES-750**
1700	12	.0661	—	—	—	—	All Pass
1400	14	.0555	—	—	—	—	—
1180	16	.0469	—	—	—	All Pass	10% Max.
1000	18	.0394	—	—	—	—	—
850	20	.0331	—	—	All Pass	10% Max.	—
710	25	.0278	—	—	5% Max.	—	—
600	30	.0234	—	All Pass	—	—	—
500	35	.0197	—	5& Max.	—	—	95% Min.
425	40	.0165	All Pass	—	—	95% Min.	—
300	50	.0117	10% Max.	—	95% Min.	—	—
212	70	.0083	—	85% Min.	—	—	—
106	140	.0041	90% Min.	—	—	—	—

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