
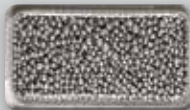



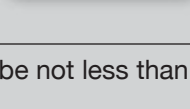


STAINLESS STEEL SHOT AND GRIT SPECIFICATIONS

AMACAST® (SHOT)

| Size No. | Screen Opening | | SHOT Tolerances Screen |  |
|----------|----------------|------|---|---|
| | in | mm | | |
| ES-750 | .0661 | 1.70 | All Pass No. 12 10% max on No. 16 95% min on No. 35 |  |
| | .0469 | 1.18 | | |
| | .0197 | .500 | | |
| ES-600 | .0469 | 1.18 | All Pass No. 16 10% max on No. 20 95% min on No. 40 |  |
| | .0331 | .850 | | |
| | .0165 | .425 | | |
| ES-450 | .0331 | .850 | All Pass No. 20 5% max on No. 25 95% min on No. 50 |  |
| | .0278 | .710 | | |
| | .0117 | .300 | | |
| ES-300 | .0234 | .600 | All Pass No. 30 5% max on No. 35 85% min on No. 70 |  |
| | .0197 | .500 | | |
| | .0083 | .212 | | |
| ES-180 | .0165 | .425 | All Pass No. 40 10% max No. 50 90% min No. 140 |  |
| | .0117 | .300 | | |
| | .0041 | .106 | | |

Density

The density of stainless steel shot shall be not less than 7 gm/cc.

Hardness

200 Hardness Vickers (HV)
470 Hardness Vickers (HV) After Typical Use

Chemical Analysis

16 – 20% **Chromium**
6 – 10% **Nickel**
3% max **Silicon**
2% max **Manganese**

AMAGRIT® (GRIT)

| Size No. | Screen Opening | | GRIT Tolerances Screen |  |
|----------|----------------|------|---|--|
| | in | mm | | |
| SSG-18 | .0661 | 1.70 | All Pass No. 12 2% max on No. 14 90% min on No. 30 |  |
| | .0555 | 1.40 | | |
| | .0234 | .600 | | |
| SSG-25 | .0469 | 1.18 | All Pass No. 16 2% max on No. 18 95% min on No. 60 |  |
| | .0394 | 1.00 | | |
| | .0098 | .250 | | |
| SSG-40 | .0394 | 1.00 | All Pass No. 18 5% max on No. 20 95% min on No. 80 |  |
| | .0331 | .850 | | |
| | .0070 | .180 | | |
| SSG-50 | .0278 | .710 | All Pass No. 25 2% max on No. 30 99% min on No. 100 |  |
| | .0234 | .600 | | |
| | .0059 | .150 | | |
| SSG-80 | .0165 | .425 | All Pass No. 40 5% max on No. 45 99% min on No. 120 |  |
| | .0139 | .355 | | |
| | .0049 | .125 | | |
| SSG-120 | .0117 | .300 | All Pass No. 50 5% max on No. 60 99% min on No. 200 |  |
| | .0098 | .250 | | |
| | .0029 | .075 | | |

Density

The density of stainless steel grit shall be not less than 7 gm/cc.

Hardness

57 – 60 Hardness Rockwell C (HRC)
630 – 690 Hardness Vickers (HV)

Chemical Analysis

2 – 2.5% **Carbon**
2.5 – 3% **Silicon**
1.2 – 1.65% **Manganese**
26 – 30% **Chromium**

ERVIN STAINLESS STEEL SHOT AND GRIT TECHNOLOGY IS THE MOST ADVANCED IN THE WORLD

Ervin Industries technology delivers the maximum durability and impact energy for achieving the most economical blast cleaning process.

AMACAST® Highly spherical, 300 Series, cast stainless steel shot with the highest corrosion resistance.

AMAGRIT® Highly durable, corrosion resistant, angular grit suitable to replace most mineral abrasives with the lowest dust and abrasive breakdown. AMAGRIT® is the most economical abrasive for blasting systems with recovery and reclaim classifiers.

Uses

AMACAST® and AMAGRIT® can be used in all blasting treatments:

- Blast cleaning
- Deburring
- Sweep blasting for hot-dipped galvanized surfaces
- Die castings/permanent mold castings
- Surface finishing for stainless steel
- Structural blasting
- Waterjet cutting
- Non-ferrous residue

AMACAST® and AMAGRIT® Advantages

- ✓ **Long-lasting**
Exceeds the life of other materials for recyclability
- ✓ **Highly effective**
Provides superior durability and the highest impact value for fast cleaning
- ✓ **Economically efficient**
Reduces raw material and disposal costs
- ✓ **Environmentally friendly**
Contaminant-free, inert metal
- ✓ **Non-rusting residuals**
Best solution for blasting surfaces requiring a high degree of corrosion resistance

Applications

AMACAST® and AMAGRIT® are recommended where ferrous contamination must be avoided.

- Aluminum castings and parts
- Stainless steel forgings, structural parts, and welded fabrications
- Zinc pressure die-castings, forgings, and parts
- Corrosion-prone metal surfaces
- Railroad cars