



Stainless Steel Shot


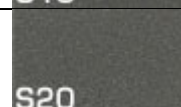








<i>Finishing</i>	<i>Cleaning /Removal</i>	<i>Peening</i>	<i>Surface Profile (Etch)</i>	<i>Working Speed</i>	<i>Recyclability</i>	<i>Probability of Metal Removal</i>	<i>Hardness MOH Scale</i>	<i>Bulk Density (lb/cu ft)</i>	<i>Mesh Size</i>	<i>Typical Blast Pressure</i>	<i>Shape</i>
Yes	Yes	Yes	No	Med	V-High	V-Low	45	295	8-200	40-90	o

Chronital® is a high quality, non-rusting cast stainless steel shot used for cleaning, deburring, descaling and surface finishing of a wide variety of aluminum and other non-ferrous alloy castings, forgings, molds and fabrications. Ferrous contamination is avoided at any blast cleaning process.

Chronital® is a very attractive alternative to a number of different media such as stainless steel cut wire shot, aluminum shot, zinc cut wire, and glass beads.

Blasting with **Chronital®** prevents the surface of cast aluminum parts from rust discoloration, which can result after blasting with normal steel shot. This one-step method eliminates the need for further treatment of the parts such as chemical washing or a second finish blasting.

Chronital® is available in a very broad range of sizes. 0.002 to 0.1 inch, so that even aluminum die pressure parts can be deburred and their surfaces finished very economically with airless blasting systems. Blasting with Chronital® is helpful in the quality inspection of cast parts and provides surface finishing as well. After blasting, cast flaws and surface damages are very easily detectable, simply by fluorescing methods. Parts with grinding marks are then exposed in a casting with uniform surface finish.

CHRONITAL	Shot (in mm.)	Mesh Size	SAE Equiv.
 S10	.05-0.2	170-100	-----
 S20	0.1-0.3	100-70	S-70
 S30	0.14-0.5	70-40	S-110
 S40	0.4-0.8	40-25	S-170
 S50	0.6-1.0	30-20	S-230/280
 S60	0.7-1.25	25-18	S-330
 S100	1.00-1.40	18-16	S-390
 S150	1.25-1.7	16-14	S-460
 S200	1.4-2.0	14-12	S-550/660
 S300	1.7-3.0	10-8	S-780

Stainless Steel Shot is used for the cleaning, finishing and preparation of surfaces previous to coating.



**INTERNATIONAL
SURFACE PREPARATION**

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Stainless Steel Shot is applied in:

- Aluminium foundry and forge.
- Stainless steel foundry and forge.
- Die-cast zinc.
- Special alloys and non-ferric metals.
- Stainless steel machines and boilers manufacture.
- Granite, natural stone and prefabricated concrete industries.

It is suitable for wheel blast, air blast and suction shot blasting and in some applications it can substitute glass beads and oxide aluminium resulting in a favorable operating cost.

Stainless steel shot has many advantages compared to other shots:

- **Higher productivity.**
- **Higher durability.**
- **Shorter shot blasting times.**
- **Lower abrasive cost.**
- **Lower maintenance cost.**
- **Better work quality (homogeneity, texture, cleaning).**
- **Less waste and dust.**
- **No health risk for workers.**
- **Lower investment in dust collectors.**
- **Lower environment pollution.**
- **Better visibility for workers.**
- **Rust-free and contaminating dust-free surfaces.**
- **Less shot blasting machines wear.**