

AMACAST®



The Ervin technology for stainless steel abrasives is the most advanced worldwide. AMACAST is produced in Tecumseh, USA, using a process developed in the aerospace defence sector, unique in the abrasives industry. This, combined with the knowledge of the stainless team in Sprockhövel, Germany, makes AMACAST the highest quality austenitic stainless shot.

Continuous quality control and production in a controlled atmosphere guarantees consistently high performance.

AMACAST is ideal for:

- Automatic wheel blast machines
- Air blast systems
- Surface preparation
- Surface cleaning
- Surface finishing

Example applications:

- Aluminum die-casting
- Zinc pressure and stainless steel die-casting
- Welded stainless steel structures (engineering)
- Aluminum and stainless profiles prior to coating
- Aluminum, brass and stainless steel forgings

Key benefits:

- Lowest consumption
- Highest productivity, lowest cost
- Highest roundness (min 95%)
- High gloss finished surface
- Reduced wear
- Rust-free and clean surfaces
- Local technical support

AMACAST®

Chemical Analysis

C	≈ 0.2%
Mn.....	≈ 2.0%
Si	≈ 3.0%
Cr	16 - 20%
Ni	7 - 10%

Hardness

New material.....	≈ 220 HV (< 20 HRC)
Operating mix	≈ 470 HV (47 HRC)

Microstructure

Homogenous austentic

Density

≥ 7.0 g/cm³

Packaging

500 kg Euro pallet with
20 poly bags x 25 kg

1 tonne Big Bag

AMACAST	mm	2.000	1.400	1.250	1.000	0.800	0.700	0.600	0.500	0.400	0.355	0.300	0.200	0.140	0.090
60				5% MAX			90% MIN	5% MAX							
50					5% MAX			90% MIN	5% MAX						
40						5% MAX					90% MIN	5% MAX			
30									5% MAX				90% MIN		5% MAX
20												5% MAX			90% MIN
10													5% MAX		

For product optimisation we reserve the right to change specifications.
Special sizes are available upon request.

MIN = Minimum
MAX = Maximum