



Casting Material: Manganese Steel ASTM A128 GR A

ASMT A128 Grade A (UNS J91109) is Manganese steel for abrasive casting application.

STM A128 / A128M - 93(2017) Standard Specification for Steel Castings, Austenitic Manganese

ASMT A128 Grade A Casting Chemical Composition Requirements and Mechanical Property:

Carbon: 1.05-1.35

Manganese: 11.0 min

Silicon: 1.00 max

Phosphorus: 0.070 max



No Mechanical Property required in ASTM A128 standard.

ASTM A128 Grade A Casting Heat treatment process:

The castings shall be suitably heat treated to achieve toughness and ductility. This heat treatment shall consist of uniformly heating the castings to a temperature applicable for grade of steel produced, at least 1800°F [1000°C], and holding until the temperature is uniform throughout and quenching in an applicable medium, normally water.

Manufacture Process: Sand Casting, precision lost wax Investment Casting.

ASTM A128 Grade A Casting Application:

the material is mainly used as wear-resistant steel castings, such as impact curtain, crushing chamber, crushers, blow bars, impact plates, side liners. www.castingquality.com

ASTM A128 Grade A WELDABILITY

WCC may be welded

Preheat Not required.

Similar alloy steel with ASTM A128 Grade A:

GB/T 5680 Grade ZGMn13-2

ROCT 977 Grade 110r13g

JIS 5131 Grade SCMnH2

ISO 13521 Grade GX120M13

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