



S-2 Tool steel balls are design to achieve extreme ruggedness. The ball surface has smooth ground and polished finish. These balls provide the toughness and strength necessary for severe shock loads. S-2 Tool steel balls are hardened throughout and have unusually good wear characteristics. S-2 Tool Steel Balls find most frequent use in oil field equipment and offshore drilling operations. They provide good service in withstanding the abrasion of pulverized rock and mud slurries.

International Equivalents

ASTM-A681

UNS T-4190

Chemical Composition

C 0.47-0.52%
Mn 0.40-0.50%
S 0.25% Max
Cr 0.045% Max
Ni 0.50% Max

Si 0.90-1.10%
P 0.025% Max
Cu 0.20% Max
Mo 0.035% Max
V 0.025% Max

Hardness

HRc 55-58