

ABBOTTBALL
C O M P A N Y

- HOME
- ABOUT ABBOTT
- PRODUCTS
- MANUFACTURING
- QUALITY
- MATERIALS
- MARKETS
- STEEL FINISHING MEDIA
- CONTACT ABBOTT

Stainless Steel Balls



AISI Type 316L Stainless Steel

AISI type 316L stainless steel has a lower carbon content than 316 stainless, which gives it even higher corrosion resistance than the excellent resistance of type 316. Both types offer excellent resistance to sulphuric acid compounds. Applications for type 316L balls include Jewelry and medical uses.

AISI 316-L

SIZE RANGE 0.50mm (.020") up to 2"
GRADES 50, 100, 200, 500, 1000

CHEMICAL COMPOSITION

CHROMIUM 16%-18%
CARBON .03% MAX.
NICKEL 10%-14%
MANGANESE 2% MAX.
SILICON 1% MAX.
PHOSPHOROUS .045 % MAX.
SULPHUR .03% MAX.
MOLYBDENUM 2%-3%

MECHANICAL PROPERTIES

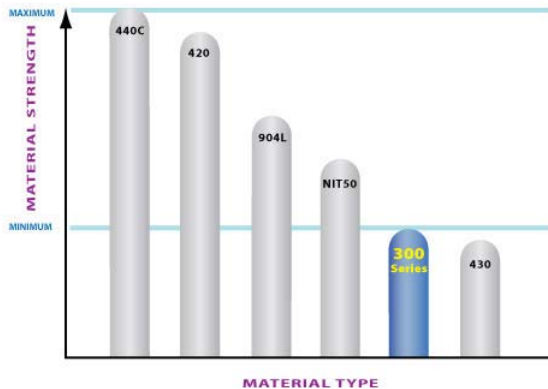
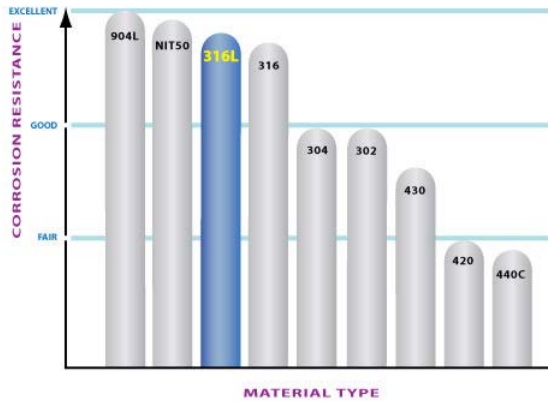
TENSILE STRENGTH 80,000 TO 120,000 PSI
YIELD STRENGTH 45,000 PSI
ELONGATION IN TWO INCHES 10%-15.0%
REDUCTION IN AREA 55.0%-65.0%
MODULUS OF ELASTICITY 28,000,000 PSI
DENSITY .287 LBS./CU.IN.

PHYSICAL CHARACTERISTICS

CORROSION RESISTANCE EXCELLENT
MAGNETIC NO

GENERAL USAGE

JEWELRY. MEDICAL APPLICATIONS



©Abbott Ball Company Abbott Ball Company, Inc. - P.O. Box 330100, Railroad Place - West Hartford, Connecticut 06133-0100 USA