**Stainless Steel AISI 440C (Martensitic)**

**General Information**
These balls give maximum hardness with good corrosion resistance to fresh water, steam, crude oil, gasoline, alcohol, food environment, blood and perspiration. In addition this material is ferro-magnetic and makes a fair permanent magnet. Balls are deep freeze stabilised after heat treatment.

**International Equivalents**
AISI 440C, DINX105 CR Mo17, SUS 440C, W 1.4125

**Composition**
- C: 0.95 - 1.20%
- Cr: 16 - 18%
- Si: 1.00% Max
- Mn: 1.0% Max
- P: 0.040% Max
- S: 0.030% Max
- Mo: 0.40 - 0.80% Max

**Hardness**
HRc: 58 - 63

**Mechanical Properties**
- Tensile Strength: 285,000 psi
- Yield Strength: 275,000 psi
- Density: 0.277 lbs/cu.in

**Size Range**
- 0.635mm (0.025") to 101.60mm (4")

**Standard Grades Available**
- 10, 25, 50, 1000