

High Carbon Steel (Through Hardened)

General Information

Balls of this material have the advantage of being through hardened to HRc 60 min and will take higher loads and provide longer life than case hardened carbon balls, for such applications as the Cycle Industry.

International Equivalents

AISI 1065-86, EN8-9, C85 Wks 1.1269

Composition (AISI 1085)

C	0.85%
Si	0.35%
Mn	0.60%
P	0.022%
S	0.022%

Hardness

HRc 60 min

Mechanical Properties

Tensile Strength	106,400 psi
Density	0.284 lbs/cu.in

Size Range - 3.175mm (1/8") to 38.1mm (1.1/2")

Standard Grades Available

100, 500, 1000