



What steel do we use?

by Mike Mortensen - Director of Engineering RBI-USA

The standard steel used in our ball bearings is 52100 steel. 52100 is a high chromium steel (about 1.5% chromium) with a high carbon content (roughly 1% carbon). The composition of this steel makes it very suitable for through hardening resulting in a material hardness range between 58 – 64 on the Rockwell “C” scale. This steel provides both excellent wear resistance and rolling contact fatigue resistance. It is the most common bearing steel used worldwide and can be found in almost every bearing type.

www.rbibearing.com

CHICAGO IL
(800) 708-2128
(630) 295-5490 Fax

MONROVIA CA
(800) 358-7652
(626) 357-7426 Fax

TORONTO ON
(800) 724-2426
(905) 670-2062 Fax

CALGARY AB
(800) 724-2426
(403) 256-9140 Fax