

As the leading manufacturer of idler pulleys for outdoor power equipment, NHI understands the rigorous demands of rugged applications. The NHI Defender sealed bearing series delivers industry leading performance and durability, which helps extend product life and reduce warranty issues. Our staff of skilled and experienced engineers can model, simulate, and test your designs to help you reach your application objectives and get you to market quickly. The Defender series is an excellent choice for applications including outdoor power equipment, material handling systems, farm & agricultural equipment, appliances, and many others.



Proprietary seal design delivers superior contaminant resistance and grease retention

Precision tolerances compliant to ABEC 1 deliver predictable reliability

Through hardened steel construction ensures durability and long life



NHI has been a trusted manufacturer of both rugged and precision components for over 50 years. Our industry leading record of outstanding on-time delivery and product quality make NHI a reliable supplier and a dependable business partner. NHI's high performing Defender bearings delivered on time with superior quality enable you to increase your customers' satisfaction, increase sales, and increase profits. Quality, dependability and reliability are just a phone call away.

Call or Email NOW!
(800) 654-1090
sales@nhipulleys.com

Defender

Bearing Series

Specifications

Series	OD (mm/in)	ID (mm/in)	Width (mm/in)	Load Capacity
6200	30 / 1.1811	10 / 0.3937	9 / 0.3543	Cor 2.23kN / Cr 3.93kN
6203	40 / 1.5748	17 / 0.6693	12 / 0.4724	Cor 4.60kN / Cr 9.60kN
6004	42 / 1.6535	20 / 0.7874	12 / 0.4724	Cor 5.05kN / Cr 9.40kN
6204	47 / 1.8504	20 / 0.7874	14 / 0.5512	Cor 6.65kN / Cr 12.8kN

Do you need a different size?
Give us a call!

NHI submitted Defender bearings to the largest independent bearing testing facility in North America in order to confirm the effectiveness of the proprietary seal design. The NHI Defender bearings were subjected to a mud slurry test protocol alongside the industry leading agricultural sealed bearing design. Both designs were submerged together in a slurry mixture consisting of ISO coarse test dust, calcium chloride, fertilizer, and water. Spinning under a continuous moment load, the bearings were periodically evaluated for noise and vibration, then disassembled to evaluate the level of contaminant (slurry) intrusion and grease retention.

The NHI Defender bearing demonstrated nearly **twice the life and contamination resistance** of the industry leading design. These test results, combined with rigorous internal and customer specific bench and field testing against other premium sealed bearings, have made the NHI Defender the first choice for many of our customers, and have earned the NHI Defender its position on millions of units in the field today.

Contact us today to discuss how the NHI Defender bearing can help you exceed your performance goals, lower your field failures, reduce your repair costs and increase your customer satisfaction.

New Hampshire Industries (NHI) strives to be the premier global manufacturer of rugged mechanical power transfer products to industries like outdoor power equipment, material handling, power transmission, elevators and others. We accomplish this by constantly exceeding our customers' expectations in quality, delivery and service. We are committed to making our customers 100% successful, our employees 100% successful, maintaining a safe & clean work environment and operating in an environmentally & socially responsible way.



NHI-mfg.com

T: (800) 654-1090

F: (800) 448-5528

E: sales@nhipulleys.com

