

Astralloy Railroad



PRODUCTS

- * Flanged Bolster Cups
- * Horizontal Wear Liners
- * Pedestal Liners
- * Side Frame Column Wear
- * Brake Beam Pocket Liners
- * Bolster Pocket Plate
- * Coupler Carrier
- * Pedestal Roof Liners
- * Body Side Bearing Plates & Shims
- * Journal Box Liner
- * Pedestal Leg Liners
- * Plus many other Mn Parts



APPROVED BY

ASSOCIATION OF
AMERICAN RAILROADS

Astralloy Railroad – Revolutionized Bolster Cup Technology

Astralloy’s premier rail product is our patented Rol-Man® Flanged Bolster Cup produced from 11% -14% manganese steel, AAR approved, and unique insimple design. Its innovative-flanged rim offers greater coverage and structural integrity where you need it most. No other combination of elements approaches the toughness, strength and wear resistance of Hadfield’s original manganese steel formula. Any steel that does not closely conform to the following chemical analysis is not true (11 % - 14%) manganese steel. Rol-Man® rolled and forged manganese steel exactly follows this analysis. The Rol-Man® Flanged Bolster Cup is AAR approved under the provisions of S-3004. The approval process took several years of testing, tracking, and reporting of the cups’ superior in-service performance. Test cups in freight service have exceeded one million miles of satisfactory performance without replacement. Installation, maintenance or replacement is greatly simplified and extremely cost effective. Simply SET IT AND FORGET IT. No time consuming welding is required. The Rol-Man® Flanged Bolster Cup is tough, hard, and thrives on severe wear. It can be expected to last the life of the rail car. No lubrication is necessary with fully austenitic 11% to 14% manganese steel. To ensure longer bolster cup life simply specify “Astralloy Rol-Man® Flanged Bolster Cup” - Accept no substitute.

DWG. NO.	OD	Depth	ID	Size
F-4638	18-3/4"	2-1/16"	16-7/16"	16" ID x 18-1/2" OD
F-4640	16-1/2"	1-7/16"	14-7/16"	14" ID x 16-1/2" OD
F-4642	18-3/8"	2-5/16"	16-7/16"	16" ID x 18-1/2" OD

Wear Parts

Astralloy also provides precisely cut and formed wear parts for various parts of the railcar. All parts are laser cut with tolerance of +/- .03125 using our Rol-Man® Hadfield chemistry. We can do custom drawings and have a full CAD capabilities to reverse engineer your part if nesscary. We pride ourselves in our service to meet your need and provide a wear solution to your rail problem.

Physical Properties – Typical Values at 68° F				
Hardness Furnished	Work Hardened	Tensile Strength	Yield Strength	Elongation in 2"
220 BHN	600 BHN	136 ksi	55 ksi	40 %

Chemical Composition* – % Weight				
C	Mn	P	S	Si
1.0 – 1.4	11.0 – 14.0	≤ .06	0.01 – 0.03	0.1 – 0.3

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Astralloy Steel Products is a wholly-owned subsidiary of Nucor Corporation, the largest producer of steel in the United States.



www.astralloy.com