

Mir 50® Bushing Stock

Heavy Hollow Stainless, Non-Galling, Hardened

Advantages

Hardness and Strength – Mir 50 exhibits mechanical properties similar to 4140 and 4340 materials, but with the corrosion resistance of a 316 stainless. This is a compatible material for use with most steel and stainless steel products that are encountered in maintenance applications.

Non-Galling – Mir 50 is not gummy. It will hold a bright finish and parts will come apart easily after substantial time in severe service applications. Consider Mir 50 as a superior replacement for worn OEM parts made from 304, 316, 410, 416 and other grades of stainless and alloy steel.



Typical Physical Properties*

Brinell Hardness258-294 BHN
 Tensile Strength140,000 P.S.I.
 Yield Strength108,000 P.S.I.
 Elongation26%
 Reduction of Area65%
 Charpy “V” Notch Impact105 @ 70°F
 RMS Surface FinishApprox. 15

*Based on 1/2” Diameter Test Specimen

Typical Applications

- Bushings
- Collars
- Hex Nuts
- Sleeves
- Wear Rings

(Past Protected Trade Name of
 Ludlow Steel Company – RH 4500®)

Agency Concurrence

NACE MR-01-75-97 revision
 API – 6A
 FDA
 AMS-5763 (chemistry only)

- Corrosion Resistant
- High Strength
- Double Stress Relieved
- Non-Galling
- Pump Shaft Quality
- Turned, Ground and Polished
- High and Low Temp. Service
- Abrasion Resistant

Note: Where higher wear resistance is required, Mir 50 will readily accept thru hardening to 360 – 400 BHN.

Stocking Sizes (18” Lengths Standard)

Rough Machined with Allowance

Outside Diameter	Inside Diameter	Outside Diameter	Inside Diameter
2-1/2”	1”	4-1/2”	2-1/2”
3”	1-1/2”	5”	3”
3-1/2”	1-1/2”	5-1/2”	3”
4”	2”	6”	3”
4-1/2”	2-1/2”	6-1/2”	3”

*At any given time we may have additional sizes “in stock”; please inquire.

For comparison chart of Mir 50 versus 304, 316, 410 and 416 commercial grades of stainless please turn to page 47 and 48.