



# MILLER WIRE WORKS, INC.

## Steel Liner Solutions

### MILLER Tri-Es Thru Hardened 470 BHN Alloy Wear Plate



MILLER Tri-Es wear plate offers the optimal balance of hardness and toughness in an alloy steel while maintaining weldability and formability. Excellent depth of hardness achieved by balanced use of 3 elements Chromium, Molybdenum, & Manganese (hence name *Tri-Es*). By tightly controlling the alloy chemistry and using state of the art quench & tempering techniques, we offer consistent hardness ranges and wear resistance for your most difficult wear conditions. And MILLER Tri-Es is vacuum degassed to remove excess Hydrogen and Carbon, further improving internal cleanliness & mechanical properties.

**Availability:** 3/16" thru 2" in standard plates - 96" X 288" (3/16" thru 3/4") - 96" X 240" (1" thru 2"). Custom thicknesses & plate sizes available upon request.

### Chromium Carbide Overlay

**Availability:**

1/8" on 1/4"

1/4" on 1/4"

3/8" on 3/8"

1/2" on 1/2"



### 310 BHN Stainless Steel

This product is the most economical steel plate for applications requiring both abrasion & corrosion resistance. It has a high hardness compared to mild steel, weathering steels, and 304 series stainless steels. The high hardness balanced with 12% Chrome & low Carbon improves wear life in sensitive material handling applications. It has a low coefficient of friction compared to other wear plate materials which allows improved slide-ability of materials in moist or damp applications. And finally it is both formable and weld-able.

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