

HyperClad™

High Performance Chrome Carbide Wear Plate

(Lower coefficient of friction than typical straight line or serpentine overlay plate!)



Features & Benefits

Wear-Con **HyperClad™** is a High Performance, Smooth, Chrome Carbide Overlay, welded on mild steel wear plate. The smooth surface has no cracks because it is produced by a proprietary welding process. The overlay structure consists of large primary carbides surrounded by smaller secondary carbides and a matrix of austenite. **HyperClad™** has a unique range of characteristics. Impact resistant, abrasion resistant, lower coefficient of friction, along with the ability to withstand temperatures up to 1000°F. Due to the combination of these qualities, **HyperClad™** outperforms all other standard chrome carbide overlay lining materials. **HyperClad™** increases production time by increasing flow and reducing the frequency of shutdowns. That's High Performance!

Installation

Wear-Con **HyperClad™** can be welded into place with a low hydrogen rod such as AWS spec. 7018 or E70-s on the base metal. A butter pass should consist of a 309/310 stainless steel rod/wire for dissimilar metals. The cover pass at the overlay section should be 60 HRC Hardsurface Rod. **HyperClad™** can only be rolled with the chrome carbide to the inside.

Technical Specifications

Wear-Con **HyperClad™** High Performance Wear Plate has a 55-62 HRc hardness. It can provide a wear resistance up to 5 times longer than 500 Brinell AR steel.

Sizes

HyperClad™ is available in 47.25" x 118.25" sheets. Custom fabrications are also available.

Standard Sizes					
Dimensions	Thickness				
47.25" x 118.25"	3/8"	1/2"	3/4"	1"	1 1/4"

(See reverse for **HyperClad™** applications.)

2845 E. Heartland Drive
Liberty, MO 64068

W-PI-HC

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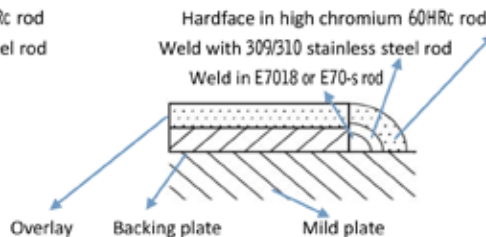
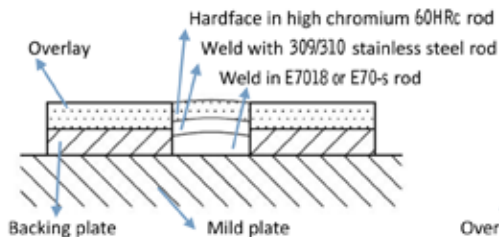
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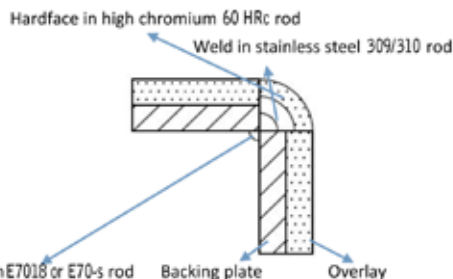
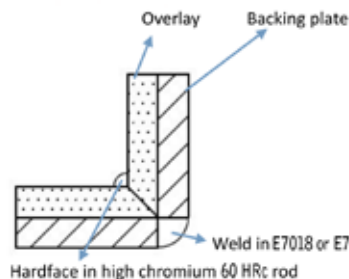
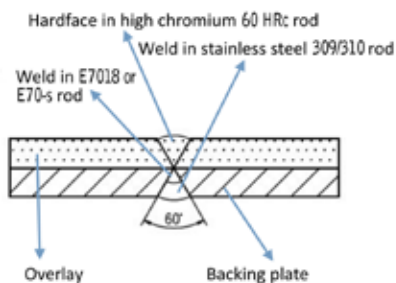
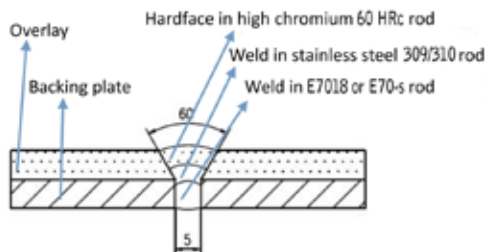
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Plug Welding

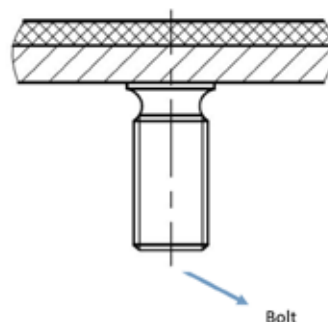
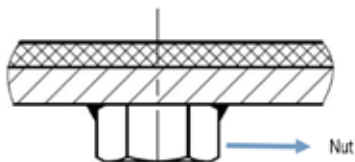


Butt Joints

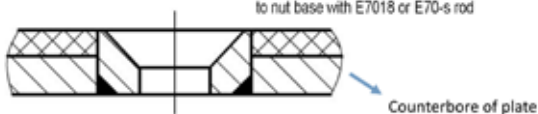


NUT OF WEAR PLATES: weld internal thread nut to base with E7018 or E70-s rod

BOLT OF WEAR PLATES: weld bolt to wear plates with E7018 or E70-s rod



COUNTERBORE OF WEAR PLATES: cut through hole with line cutting, embed countersunk ring and weld to nut base with E7018 or E70-s rod



(See reverse for HyperClad™ information.)



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Applications:

- Feed Chutes
- Raw Material Chutes
- Hoppers
- Panels
- Disks
- Grates
- Crushers
- Skirtboards
- Separator Blades
- Pulverizer Classifier
- Cones
- And Many More!

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