

# Prime-Arc 300

**Prime-Arc 300 HNW** Hard-Facing Non-Check Cracking Wire

**Prime-Arc 300 HNE** Hard-Facing Non-Check Cracking Electrode

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Prime-Arc 300 HNW and HNE welding consumables are general purpose hard-facing alloys that offer a good balance of impact and abrasion resistance. They can be used in both metal-to-metal and metal-to-earth applications. Deposits are Martensitic and forgeable, but not readily machinable. They can be applied to carbon, low-alloy, and manganese steels. They deposit 55-60 HRC and is magnetic on carbon and low alloy steels.

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## Applications

Prime-Arc 300 is an economical general purpose hard-facing alloy designed for use in both metal-to-metal and metal-to-earth applications. It can be applied to carbon, low carbon and manganese steels, and maintains a good balance of impact and abrasion resistance.

## Benefits

Can be applied to high strength wear-resistant steels. Flux system provides a smooth, spatter free weldment, and leaves a clean, oxide free deposit.

## Technical

Modified tool steel that can be applied in multiple layers without check-relief cracking. Deposits are 53-55 RC hardness when applied to low carbon steel. Can be used as matrix wire for tungsten impregnation. Can be hot forged, but is not readily machinable.

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