

TRU SS174 PCR

A MODIFIED STAINLESS FOR HIGH STRENGTH, TOUGHNESS AND GOOD CORROSION RESISTANCE

BENEFITS

- **CHARACTERISTICS:** This magnetic stainless alloy is a iron-chromium-nickel modification of type 17-4 PH with high corrosion resisting characteristics and high strength in a hardenable condition. **TRU SS174 PCR**, with the addition of nickel, increases general strength at elevated temperatures. **TRU SS174 PCR** has far better corrosion resistance than type 304 and with a Hardness rating of Rc=45 on the Rockwell scale, meets or exceeds most commercially available Abrasion Resistant Plate.
- **TOUGHNESS:** With the combination of Chrome and Nickel, **TRU SS174 PCR** will withstand changes in temperatures from the most severe highs down to sub-zero conditions while maintaining its overall strength and toughness.
- **WELDABLE:** **TRU SS174 PCR** can be satisfactorily welded by the common fusion and resistance techniques. When a weld filler is needed, AWS E/ER 630 is most often specified.

PHYSICAL PROPERTIES

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| • Ultimate Tensile Strength (PSI) | 210,000 |
| • Yield Strength (PSI) | 200,000 |
| • Elongation (% in 2") | 7.5 |
| • Hardness (Rockwell) | C45 |