

## TRU NITRO 50 & 60

### NITROGEN-STRENGTHENED AUSTENITIC STAINLESS STEEL

- High strength and hardness
- Excellent corrosion resistance
- Resistant to chloride stress corrosion
- **TRU NITRO 50** has higher strength compared to 316L and 317L austenitic stainless steels
- Excellent ductility and impact strength at both ambient and sub-zero temperatures
- Listed in MR-01-75 for sour service oilfield applications
- Non-magnetic
- Higher resistance to abrasion, erosion and cavitation erosion than 316 and 317 stainless
- **TRU NITRO 60** is a good replacement for 309 and 316 austenitic stainless steels
- Good corrosion resistance in a wide variety of corrosive chemicals including seawater and industrial acids
- Excellent ductility and impact strength at both ambient and sub-zero temperatures
- Applicable for acidic service operation
- Low magnetic permeability

### MECHANICAL SPECIFICATIONS

#### CHEMICAL PROPERTIES

<i>C</i>	<i>Cr</i>	<i>Mo</i>	<i>Mn</i>	<i>Ni</i>	<i>N</i>	<i>Si</i>	<i>V</i>
<b>TRU NITRO 50:</b>							
0.06	20.5/ 23.5	1.5/ 3.0	4.0/ 6.0	11.5/ 13.5	0.2/ 0.4	1.0	0.1/ 0.3
<b>TRU NITRO 60:</b>							
0.10	16.0/ 18.0	---	7.0/ 9.0	8.0/ 9.0	0.08/ 0.18	3.5/ 4.5	---

#### PHYSICAL PROPERTIES

	<i>Tensile</i>	<i>Yield</i>	<i>Elongation</i>	<i>Hardness</i>
<b>TRU NITRO 50</b>	100 ksi	55 ksi	35%	Rb 99 min/293 Bhn Max
<b>TRU NITRO 60</b>	105 ksi	55 ksi	35%	Rb 95

\*Please contact your **TRU STEEL METALS** representative for more information.