

RELIABLE PIPES & TUBES LTD.

GOVT. OF INDIA RECOGNIZED EXPORT HOUSE
 OHSAS 18001:2007 CERTIFIED ISO 14001:2004 CERTIFIED
 ISO 9001:2008 CERTIFIED PED CERT NO 01 202 IND/Q-11-0033

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INCOLOY® 800H / 800HT®

ASTM B 409, B 408, B 407, B 564 | UNS Number N08810/N08811

Alloy 800 (UNS N08800) Chemical Composition, %

Ni	Fe	Cr	Cu	Ti	Al	C	Mn	S	Si
30.0-35.0	39.5 min	19.0-23.0	.75 max	.15-.60	.15-.60	.1 max	1.5 max	.015 max	1.0 max

Alloy 800H (UNS N08810) Chemical Composition, %

Ni	Fe	Cr	Cu	Ti	Al	C	Mn	S	Si
30.0-35.0	39.5 min	19.0-23.0	.75 max	.15-.60	.15-.60	.05-.10 max	1.5 max	.015 max	1.0 max

Alloy 800HT (UNS N08811) Chemical Composition, %

Ni	Fe	Cr	Cu	Ti	Al	C	Mn	S	Si
30.0-35.0	39.5 min	19.0-23.0	.75 max	.25-.60	.85-1.20	.06-.10 max	1.5 max	.015 max	1.0 max

ASTM Specifications

Alloy	Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
Alloy 800 (UNS N08800)	B407	B154	B163	B515	B409	B408	B564	B366
Alloy 800H (UNS N08810)	B407	B154	B163	B515	B409	B408	B564	B366
Alloy 800HT (UNS N08811)	B407	B154	B163	B515	B409	B408	B564	B366

Mechanical Properties

Typical room temperature Tensile Properties of Annealed Material

Product	Tensile (ksi)	.2% Yield (ksi)	Elongation (%)
Rod & Bar	75-100	30-60	60-30