

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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INCONEL® ALLOY 625

UNS Number N06625

Other common names: Alloy 625

Chemical Composition, %

Cr	Ni	Mo	Co + Nb	Ta	Al	Ti	C
20.00-30.00	Remainder	8.0-10.0	1.0 max	3.15-4.15	.40 max	.40 max	.10 max
Fe	Mn	Si	P	S			
5.0 max	.50 max	.50 max	.015 max	.015 max			

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting	Wire
B444	B705	B444	B704	B443	B446	-	-	-

Mechanical Properties

Representative Tensile Properties, bar, 1800° F anneal

Temp° F	Tensile (psi)	.2% Yield (psi)	Elongation in 2 " (%)
70	144,000	84,000	44
400	134,000	66,000	45
600	132,000	63,000	42.5
800	131,500	61,000	45
1000	130,000	60,500	48
1200	119,000	60,000	34
1400	78,000	58,500	59
1600	40,000	39,000	117