



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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ALLOY 20

ASTM A 265, B 366, B 463
 B 464, B 471, B 472, B 473
 B 474, B 475
 UNS N08020
 NACE MR0175

Chemical Composition, %

Ni	Fe	Cr	Cu	Mo	Nb
32.00-38.00	Balance	19.0-21.0	3.0-4.0	2.0-3.0	8xC-1.0max
C	Mn	P	S	Si	
.07max	2.0max	.045max	.035max	1.0max	

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
B729	B464	B729	B468	B463	B473	B462	B366

Mechanical Properties Annealed Material

Form	Tensile Min.	Yield Min. (.2% offset)	Elongation Min.	Reduction of Area Min.
Bar (hot or cold finished)	80 ksi	35 ksi	30%	50%
Sheet/Plate	80 ksi	35 ksi	30%	-