

# Technical Datasheet



## Custom 450® Stainless

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### Typical Room Temperature Mechanical Properties 1" (25.4 mm) round bar

Condition	0.2% Yield Strength		Ultimate Tensile Strength		Notch Tensile Strength K <sub>t</sub> = 10		% Elongation in 4D	% Reduction of Area	Rockwell C Hardness	Charpy V-Notch Impact Strength	
	ksi	MPa	ksi	MPa	ksi	MPa				ft-lb	J
A	118	814	142	979	221	1524	13	50	28	98	133
H 900	188	1296	196	1351	298	2055	14	56	42½	40	54
H 950	184	1269	187	1289	288	1986	16	58	41½	47	64
H 1000	169	1165	173	1193	273	1882	17	63	39	51	69
H 1050	152	1048	160	1103	255	1758	20	66	37	69	94
H 1150	92	634	142	979	209	1441	23	69	28	97	132

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