

# USEFUL INFORMATION

## Hardness comparison table

TENSILE SYMBOL	BRINELL HARDNESS NUMBER (BHN)	VICKERS PYRAMID NUMBER (VPN)	ROCKWELL NUMBER C. SCALE	EQUIVALENT TENSILE STRENGTH FOR STEEL	
				Tons/sq.in	N/mm2
	114	114	-20	26	
	118	118	-17	27	
	121	121	-16	28	
	126	126	-12	29	
	131	131	-9	30	
	134	134	-7	31	
	140	140	-4	32	
	143	143	-3	33	
	149	149	-1	34	
P	152	153	0	35	550
	156	156	1	36	
	167	166	4	37	
	174	174	7	39	
Q	179	179	8	40	625
	183	183	9	41	
	187	187	10	42	
	192	192	12	43	
	197	197	13	44	
R	201	202	15	45	700
	212	212	17	46	
	217	217	18	47	
S	223	223	20	50	775
	229	229	21	51	
	235	235	22	52	
	241	241	23	53	
T	248	248	24	55	850
	255	256	25	56	
	262	263	26	57	
U	269	270	28	60	925
	277	279	29	61	
	285	287	30	62	
V	293	296	31	65	1000
	302	305	32	68	
W	311	316	33	70	1075
	321	327	34	71	
	331	339	35	72	
X	341	350	36	75	1150
	352	363	37	76	
Y	363	375	38	80	1225
	375	389	40	82	
	388	404	41	84	
	401	420	42	88	
	415	437	44	91	
	429	454	45	94	
Z	444	472	46	100	1550

Whilst every effort has been taken to ensure the accuracy of this publication, Acton Bright Steel Ltd cannot accept responsibility for any errors, omissions or mis-statements. Acton Bright Steel Ltd also reserves the right to change all or any part of the information contained within this data sheet without notice.