

Approximate conversions between hardness scales and tensile strengths

C	B	A	DPH	Knoop	45N	30N	15N	45T	30T	15T	Tensile strength Steel Only, psi, approx.
66		84.5	854	870	73	83	92.5				
64		83.5	789	822	71	81	92				
62		82.5	739	776	69	79	91				
60		81	695	732	66.5	77.5	90				
58		80	655	690	64	75.5	89.5				
56		79	617	650	62	74	88.5				
54		78	580	612	59.5	72	87.5				293,000
52		77	545	576	57.5	70.5	86.5				274,000
50		76	513	542	55	68.5	85.5				256,000
48		74.5	485	510	52.5	66.5	84.5				238,000
46		73.5	458	480	50	65	83.5				223,000
44		72.5	435	452	48	63	82.5				209,000
42		71.5	413	426	45.5	61.5	81.5				193,000
40		70.5	393	402	43	59.5	80.5				181,000
38		69.5	373	380	41	57.5	79.5				171,000
36		68.5	353	360	38.5	56	78.5				161,000
34		67.5	334	342	36	54	77				152,000
32		66.5	317	326	33.5	52	76				146,000
30		65.5	301	311	31.5	50.5	75				138,000
28		64.5	285	297	29	48.5	74				131,000
26		63.5	271	284	26.5	47	72.5				125,000
24		62.5	257	272	24	45	71.5				120,000
22	100	61.5	244	256	22	43	70.5	72	82	93	114,000
20	98	60	228	241	19.5	41.5	69.5	70	81	92.5	110,000
	96	59	216	231				68	80	92	102,000
	94	57.5	205	221				66	78.5	91.5	98,000
	92	56.5	195	211				64.5	77.5	90.5	94,000
	90	55.5	185	201				62.5	76	90	89,000
	88	54	176	192				60.5	75	89.5	85,000
	86	53	169	184				58.5	74	88.5	81,000
	84	52	162	176				57	73	88	75,000
	82	50.5	156	170				55	71.5	87.5	73,000
	80	49.5	150	164				53	70	86.5	72,000
	78	48.5	144	158				51	69	86	70,000
	76	47	139	152				49	67.5	85.5	68,000
	74	46	135	147				47.5	66	85	65,000