

Table of hardness

Conversion chart of Rockwell (HRC och HRB), Brinell (HB) and Vickers (HV).

Approximate relationship between hardness and breaking strength.

Rockwell		Brinell*	Vickers	Approx. breaking strength		Shore Scleroscope
HRC	HRB			N/mm2	kp/mm2	
	75	133	140	446	46	21
	82	152	160	510	52	24
	87	171	180	570	58	26
	92	190	200	637	65	29
	96	209	220	696	71	32
		228	240	756	77	34
		247	260	824	84	37
		266	280	883	90	40
30		285	300	951	97	42
32		304	320	1020	104	45
34		323	340	1080	110	47
37		342	360	1150	117	50
39		361	380	1210	123	52
41		380	400	1280	130	55
43		399	420	1340	137	57
44		418	440	1410	144	59
46		432	460	1470	150	62
48		450	480	1530	156	64
49		466	500	1610	164	66
51		483	520	1690	172	67
52		500	540	1770	180	69
53		517	560	1850	188	71
54		535	580	1940	198	72
55		552	600			74
56		569	620			75
57		586	640			77
58			660			79
59			680			80
60			700			81
61			720			83
62			740			84
63			760			86
63			780			87
64			800			88
65			820			90
65			840			91
66			860			92
66			880			93

* 10 mm ball, 3000 kg load.