

Rockwell				Rockwell Superficiale				
				- Surface Rockwell hardness				
				- Dureté Rockwell Superficielle				
A	B	C	D	15 N	30 n	45 N	15 T	30 T
120°	1/16"	120°	120°	120°	120°	120°	1/16"	1/16"
60	100	150	100	15	30	45	30	30
80.8	-	59.2	70.1	89.8	76.8	65.7	-	-
80.6	-	58.8	69.8	89.7	76.4	65.3	-	-
80.3	-	58.3	69.4	89.5	75.9	64.7	-	-
80.0	-	57.8	69.0	89.2	75.5	64.1	-	-
79.8	-	57.3	68.7	89.0	75.1	63.5	-	-
79.5	-	56.8	68.3	88.8	74.6	63.0	-	-
79.2	-	56.3	67.9	88.5	74.2	62.4	-	-
78.9	-	55.7	67.5	88.2	73.6	61.7	-	-
78.6	-	55.2	67.0	88.0	73.2	61.2	-	-
78.4	-	54.7	66.7	87.8	72.7	60.5	-	-
78.0	-	54.1	66.2	87.5	72.1	59.9	-	-
77.8	-	53.6	65.8	87.2	71.7	59.3	-	-
77.4	-	53.0	65.4	86.9	71.2	58.6	-	-
77.0	-	52.3	64.8	86.6	70.5	57.8	-	-
76.7	-	51.7	64.4	86.3	70.0	57.0	-	-
76.4	-	51.1	63.9	86.0	69.5	56.2	-	-
76.1	-	50.5	63.5	85.7	69.0	55.6	-	-
75.7	-	49.8	62.9	85.4	68.3	54.7	-	-
75.3	-	49.1	62.2	85.0	67.7	53.9	-	-
74.9	-	48.4	61.6	84.7	67.1	53.1	-	-
74.5	-	47.7	61.3	84.3	66.4	52.2	-	-
74.1	-	46.9	60.7	83.9	65.7	51.3	-	-
73.6	-	46.1	60.1	83.6	64.9	50.4	-	-
72.3	-	45.3	59.4	83.2	64.3	49.4	-	-
73.0	-	44.5	58.8	82.8	63.5	48.4	-	-
72.3	-	43.6	58.2	82.3	62.7	47.4	-	-
71.8	-	42.7	57.5	81.8	61.9	46.4	-	-
71.4	-	41.8	56.8	81.4	61.1	45.3	-	-
70.8	-	40.8	56.0	80.8	60.2	44.1	-	-
70.3	-	39.8	55.3	80.3	59.3	42.9	-	-
69.8	-	38.8	54.4	79.8	58.4	41.7	-	-
69.2	-	37.7	53.6	79.2	57.4	40.4	-	-
68.7	-	36.6	52.8	78.6	56.4	39.1	-	-
68.1	-	35.5	51.9	78.0	55.4	37.8	-	-
67.6	-	34.4	51.1	77.4	54.4	36.5	-	-
67.0	-	33.3	50.2	76.8	53.6	35.2	-	-
66.4	-	32.2	49.4	76.2	52.3	33.9	-	-
65.8	-	31.0	48.4	75.6	51.3	32.5	-	-
65.2	-	29.8	47.5	74.9	50.2	31.1	-	-
64.8	-	29.2	47.1	74.6	49.7	30.4	-	-
64.5	105.0	28.5	46.5	74.2	49.0	29.5	-	-
64.2	104.5	27.8	46.0	73.8	48.4	28.7	-	-
63.8	104.0	27.1	45.3	73.4	47.8	27.9	-	-
63.5	103.0	26.4	44.9	73.0	47.2	27.1	-	-

63.1	102.0	25.6	44.3	72.6	46.4	26.2	-	-
62.7	101.5	24.8	43.7	72.1	45.7	25.2	-	-
62.4	101.0	24.0	43.1	71.6	45.0	24.3	-	-
62.0	100.0	23.1	42.2	71.1	44.2	23.2	93.0	82.0
61.6	99.5	22.2	41.7	70.6	43.4	22.2	92.8	81.6
61.2	98.8	21.3	41.1	70.1	42.5	21.1	92.5	81.3
60.7	98.1	20.3	40.3	69.6	41.7	19.9	92.3	81.0
-	97.4	19.0	-	-	-	-	92.1	80.6
-	96.7	17.5	-	-	-	-	91.9	80.2
-	96.0	16.0	-	-	-	-	91.7	79.7
-	95.0	-	-	-	-	-	91.5	79.2
-	94.0	-	-	-	-	-	91.2	78.5
-	93.5	-	-	-	-	-	90.9	78.0
-	92.5	-	-	-	-	-	90.6	77.5
-	91.5	-	-	-	-	-	90.3	77.0
-	90.5	-	-	-	-	-	90.0	76.4
-	89.5	-	-	-	-	-	89.6	75.8
-	88.3	-	-	-	-	-	89.3	75.2
-	87.1	-	-	-	-	-	89.0	74.6
-	86.0	-	-	-	-	-	88.5	74.0
-	85.0	-	-	-	-	-	88.0	73.5
-	83.2	-	-	-	-	-	87.5	72.5
-	81.7	-	-	-	-	-	87.0	71.2
-	80.2	-	-	-	-	-	86.5	70.0

	Vickers	Brinell	Trazione -Traction -Traction
45 T 1/16"	HV 136°	HB 10	N/mm ²
45	10	3000	
-	680	646	-
-	670	637	-
-	660	627	-
-	650	618	2180
-	640	608	2145
-	630	599	2105
-	620	589	2070
-	610	580	2030
-	600	570	1995
-	590	561	1955
-	580	551	1920
-	570	542	1880
-	560	532	1845
-	550	523	1810
-	540	513	1775
-	530	504	1740
-	520	494	1700
-	510	485	1665
-	500	475	1630
-	490	466	1595
-	480	456	1555
-	470	447	1520
-	460	437	1485
-	450	428	1455
-	440	418	1420
-	430	408	1385
-	420	399	1350
-	410	389	1320
-	400	380	1290
-	390	370	1255
-	380	361	1220
-	370	351	1190
-	360	342	1155
-	350	332	1125
-	340	323	1095
-	330	313	1060
-	320	304	1030
-	310	294	995
-	300	285	965
-	295	280	950
-	290	275	930
-	285	271	915
-	280	266	900
-	275	261	880

-	270	256	865
-	265	252	850
-	260	247	835
72.0	255	242	820
71.5	250	237	800
70.8	245	233	785
70.0	240	228	770
69.4	235	223	755
68.7	230	219	740
68.0	225	214	720
67.0	220	209	705
66.0	215	204	690
65.5	210	199	675
64.5	205	195	660
63.5	200	190	640
62.5	195	185	625
61.5	190	181	610
60.4	185	176	595
59.3	180	171	575
58.6	175	166	560
58.0	170	162	545
56.4	165	156	530
54.7	160	152	510
53.0	155	147	495