

## Temperature Conversions

Albert Sauveur type of table. Look up reading in middle column; if in degrees Centigrade, read Fahrenheit equivalent in right hand column; if in degrees Fahrenheit, read Centigrade equivalent in left hand column.

- 459.4 to - 60			- 50 to 36		
°C	°F		°C	°F	
-273	-459.4		-46	-50	-58
-268	-450		-40	-40	-40
-262	-440		-34	-30	-22
-257	-430		-29	-20	-4
-251	-420		-23	-10	14
-246	-410		-17.8	0	32
-240	-400		-17.2	1	33.8
-234	-390		-16.7	2	35.6
-229	-380		-16.1	3	37.4
-223	-370		-15.6	4	39.2
-218	-360		-15.0	5	41.0
-212	-350		-14.4	6	42.8
-207	-340		-13.9	7	44.6
-201	-330		-13.3	8	46.4
-196	-320		-12.8	9	48.2
-190	-310		-12.2	10	50.0
-184	-300		-11.7	11	51.8
-179	-290		-11.1	12	53.6
-173	-280		-10.6	13	55.4
-169	-273	-459.4	-10.0	14	57.2
-168	-270	-454	-9.4	15	59.0
-162	-260	-436	-8.9	16	60.8
-157	-250	-418	-8.3	17	62.6
-151	-240	-400	-7.8	18	64.4
-146	-230	-382	-7.2	19	66.2
-140	-220	-364	-6.7	20	68.0
-134	-210	-346	-6.1	21	69.8
-129	-200	-328	-5.6	22	71.6
-123	-190	-310	-5.0	23	73.4
-118	-180	-292	-4.4	24	75.2
-112	-170	-274	-3.9	25	77.0
-107	-160	-256	-3.3	26	78.8
-101	-150	-238	-2.8	27	80.6
-96	-140	-220	-2.2	28	82.4
-90	-130	-202	-1.7	29	84.2
-84	-120	-184	-1.1	30	86.0
-79	-110	-166	-0.6	31	87.8
-73	-100	-148	0.0	32	89.6
-68	-90	-130	0.6	33	91.4
-62	-80	-112	1.1	34	93.2
-57	-70	-94	1.7	35	95.0
-51	-60	-76	2.2	36	96.8

# Crucible Tool Steel and Specialty Alloy Selector

## Temperature Conversions (Continued)

37 to 84			85 to 400		
°C		°F	°C		°F
2.8	37	98.6	29.4	85	185.0
3.3	38	100.4	30.0	86	186.8
3.9	39	102.2	30.6	87	188.6
4.4	40	104.0	31.1	88	190.4
5.0	41	105.8	31.7	89	192.2
5.6	42	107.6	32.2	90	194.0
6.1	43	109.4	32.8	91	195.8
6.7	44	111.2	33.3	92	197.6
7.2	45	113.0	33.9	93	199.4
7.8	46	114.8	34.4	94	201.2
8.3	47	116.6	35.0	95	203.0
8.9	48	118.4	35.6	96	204.8
9.4	49	120.2	36.1	97	206.6
10.0	50	122.0	36.7	98	208.4
10.6	51	123.8	37.2	99	210.2
11.1	52	125.6	37.8	100	212.0
11.7	53	127.4	38	100	212
12.2	54	129.2	43	110	230
12.8	55	131.0	49	120	248
13.3	56	132.8	54	130	266
13.9	57	134.6	60	140	284
14.4	58	136.4	66	150	302
15.0	59	138.2	71	160	320
15.6	60	140.0	77	170	338
16.1	61	141.8	82	180	356
16.7	62	143.6	88	190	374
17.2	63	145.4	93	200	392
17.8	64	147.2	99	210	410
18.3	65	149.0	100	212	413.6
18.9	66	150.8	104	220	428
19.4	67	152.6	110	230	446
20.0	68	154.4	116	240	464
20.6	69	156.2	121	250	482
21.1	70	158.0	127	260	500
21.7	71	159.8	132	270	518
22.2	72	161.6	138	280	536
22.8	73	163.4	143	290	554
23.3	74	165.2	149	300	572
23.9	75	167.0	154	310	590
24.4	76	168.8	160	320	608
25.0	77	170.6	166	330	626
25.6	78	172.4	171	340	644
26.1	79	174.2	177	350	662
26.7	80	176.0	182	360	680
27.2	81	177.8	188	370	698
27.8	82	179.6	193	380	716
28.3	83	181.4	199	390	734
28.9	84	183.2	204	400	752

# Crucible Tool Steel and Specialty Alloy Selector

## Temperature Conversions (Continued)

410 to 880			890 to 1350		
°C		°F	°C		°F
210	410	770	477	890	1634
216	420	788	482	900	1652
221	430	806	488	910	1670
227	440	824	493	920	1688
232	450	842	499	930	1706
238	460	860	504	940	1724
243	470	878	510	950	1742
249	480	896	516	960	1760
254	490	914	521	970	1778
260	500	932	527	980	1796
266	510	950	532	990	1814
271	520	968	538	1000	1832
277	530	986	538	1 000	1832
282	540	1004	543	1010	1850
288	550	1022	549	1020	1868
293	560	1040	554	1030	1886
299	570	1058	560	1040	1904
304	580	1076	566	1050	1922
310	590	1094	571	1060	1940
316	600	1112	577	1070	1958
321	610	1130	582	1080	1976
327	620	1148	588	1090	1994
332	630	1166	593	1100	2012
338	640	1184	599	1110	2030
343	650	1202	604	1120	2048
349	660	1220	610	1130	2066
354	670	1238	616	1140	2084
360	680	1256	621	1150	2102
366	690	1274	627	1160	2120
371	700	1292	632	1170	2138
377	710	1310	638	1180	2156
382	720	1328	643	1190	2174
388	730	1346	649	1200	2192
393	740	1364	654	1210	2210
399	750	1382	660	1220	2228
404	760	1400	666	1230	2246
410	770	1418	671	1240	2264
416	780	1436	677	1250	2282
421	790	1454	682	1260	2300
427	800	1472	688	1270	2318
432	810	1490	693	1280	2336
438	820	1508	699	1290	2354
443	830	1526	704	1300	2372
449	840	1544	710	1310	2390
454	850	1562	716	1320	2408
460	860	1580	721	1330	2426
466	870	1598	727	1340	2444
471	880	1616	732	1350	2462

# Crucible Tool Steel and Specialty Alloy Selector

## Temperature Conversions (Continued)

1360 to 1830			1840 to 2300		
°C		°F	°C		°F
738	1360	2480	1004	1840	3344
743	1370	2498	1010	1850	3362
749	1380	2516	1016	1860	3380
754	1390	2534	1021	1870	3398
760	1400	2552	1027	1880	3416
766	1410	2570	1032	1890	3434
771	1420	2588	1038	1900	3452
777	1430	2606	1043	1910	3470
782	1440	2624	1049	1920	3488
788	1450	2642	1054	1930	3506
793	1460	2660	1060	1940	3524
799	1470	2678	1066	1950	3542
804	1480	2696	1071	1960	3560
810	1490	2714	1077	1970	3578
816	1500	2732	1082	1980	3596
821	1510	2750	1088	1990	3614
827	1520	2768	1093	2000	3632
832	1530	2786	1093	2000	3632
838	1540	2804	1099	2010	3650
843	1550	2822	1104	2020	3668
849	1560	2840	1110	2030	3686
854	1570	2858	1116	2040	3704
860	1580	2876	1121	2050	3722
866	1590	2894	1127	2060	3740
871	1600	2912	1132	2070	3758
877	1610	2930	1138	2080	3776
882	1620	2948	1143	2090	3794
888	1630	2966	1149	2100	3812
893	1640	2984	1154	2110	3830
899	1650	3002	1160	2120	3848
904	1660	3020	1166	2130	3866
910	1670	3038	1171	2140	3884
916	1680	3056	1177	2150	3902
921	1690	3074	1182	2160	3920
927	1700	3092	1188	2170	3938
932	1710	3110	1193	2180	3956
938	1720	3128	1199	2190	3974
943	1730	3146	1204	2200	3992
949	1740	3164	1210	2210	4010
954	1750	3182	1216	2220	4028
960	1760	3200	1221	2230	4046
966	1770	3218	1227	2240	4064
971	1780	3236	1232	2250	4082
977	1790	3254	1238	2260	4100
982	1800	3272	1243	2270	4118
988	1810	3290	1249	2280	4136
993	1820	3308	1254	2290	4154
999	1830	3326	1260	2300	4172

# Crucible Tool Steel and Specialty Alloy Selector

## Temperature Conversions (Continued)

2310 to 2650			2660 to 3000		
°C		°F	°C		°F
1266	<i>2310</i>	4190	1460	<i>2660</i>	4820
1271	<i>2320</i>	4208	1466	<i>2670</i>	4838
1277	<i>2330</i>	4226	1471	<i>2680</i>	4856
1282	<i>2340</i>	4244	1477	<i>2690</i>	4874
1288	<i>2350</i>	4262	1482	<i>2700</i>	4892
1293	<i>2360</i>	4280	1488	<i>2710</i>	4910
1299	<i>2370</i>	4298	1493	<i>2720</i>	4928
1304	<i>2380</i>	4316	1499	<i>2730</i>	4946
1310	<i>2390</i>	4334	1504	<i>2740</i>	4964
1316	<i>2400</i>	4352	1510	<i>2750</i>	4982
1321	<i>2410</i>	4370	1516	<i>2760</i>	5000
1327	<i>2420</i>	4388	1521	<i>2770</i>	5018
1332	<i>2430</i>	4406	1527	<i>2780</i>	5036
1338	<i>2440</i>	4424	1532	<i>2790</i>	5054
1343	<i>2450</i>	4442	1538	<i>2800</i>	5072
1349	<i>2460</i>	4460	1543	<i>2810</i>	5090
1354	<i>2470</i>	4478	1549	<i>2820</i>	5108
1360	<i>2480</i>	4496	1554	<i>2830</i>	5126
1366	<i>2490</i>	4514	1560	<i>2840</i>	5144
1371	<i>2500</i>	4532	1566	<i>2850</i>	5162
1377	<i>2510</i>	4550	1571	<i>2860</i>	5180
1382	<i>2520</i>	4568	1577	<i>2870</i>	5198
1388	<i>2530</i>	4586	1582	<i>2880</i>	5216
1393	<i>2540</i>	4604	1588	<i>2890</i>	5234
1399	<i>2550</i>	4622	1593	<i>2900</i>	5252
1404	<i>2560</i>	4640	1599	<i>2910</i>	5270
1410	<i>2570</i>	4658	1604	<i>2920</i>	5288
1416	<i>2580</i>	4676	1610	<i>2930</i>	5306
1421	<i>2590</i>	4694	1616	<i>2940</i>	5324
1427	<i>2600</i>	4712	1621	<i>2950</i>	5342
1432	<i>2610</i>	4730	1627	<i>2960</i>	5360
1438	<i>2620</i>	4748	1632	<i>2970</i>	5378
1443	<i>2630</i>	4766	1638	<i>2980</i>	5396
1449	<i>2640</i>	4784	1643	<i>2990</i>	5414
1454	<i>2650</i>	4802	1649	<i>3000</i>	5432