

<b>MELTING POINTS</b>		
<b>Stainless Steels</b>		
<b>ALLOY</b>	<b>MELTING RANGE °F</b>	<b>MELTING RANGE °C</b>
301 S/S	2550-2590	1400-1420
302 S/S	2550-2590	1400-1420
302B S/S	2500-2550	1370-1400
303 S/S	2550-2590	1400-1420
304 S/S	2550-2650	1400-1455
305 S/S	2550-2650	1400-1455
308 S/S	2550-2650	1400-1455
309 S/S	2550-2650	1400-1455
310 S/S	2550-2650	1400-1455
314 S/S	2412-2530	1322-1388
316 S/S	2500-2550	1370-1400
317 S/S	2500-2550	1370-1400
321 S/S	2550-2600	1400-1425
330 S/S	2550-2600	1400-1425
347 S/S	2550-2600	1400-1425
384 S/S	2550-2650	1400-1455
403 S/S	2700-2790	1480-1530
405 S/S	2700-2790	1480-1530
409 S/S	2600-2750	1425-1510
410 S/S	2700-2790	1480-1530
416 S/S	2700-2790	1480-1530
420 S/S	2650-2750	1455-1510
430 S/S	2650-2750	1455-1510
430F S/S	2550-2650	1400-1455
431 S/S	2600-2700	1476-1482
440A S/S	2500-2750	1370-1510
440B S/S	2500-2750	1370-1510
440C S/S	2500-2750	1370-1510
442,443,446 S/S	2600-2750	1425-1510
501 S/S	2700-2800	1480-1540
502 S/S	2700-2800	1480-1540

<b>MELTING POINTS</b>		
<b>Corrosion-Resistant Steel Castings</b>		
<b>ALLOY</b>	<b>MELTING POINT °F</b>	<b>MELTING POINT °C</b>
CA-15	2750	1510
CA-40	2750	1510
CB-30	2725	1496
CC-50	2725	1496
CE-30	2650	1454
CF-8	2600	1427
CF-20	2575	1413
CF-8M	2550	1399
CF-12M	2550	1399
CF-8C	2600	1427
CF-16F	2550	1399
CH-20	2600	1427
CK-20	2600	1427
CN-7M	2650	1454

<b>MELTING POINTS</b>		
<b>Heat-Resistant Alloy Castings</b>		
<b>ALLOY</b>	<b>MELTING POINT °F</b>	<b>MELTING POINT °C</b>
HA	2750	1510
HC	2725	1496
HD	2700	1482
HE	2650	1454
HF	2550	1399
HH	2500	1371
HI	2550	1399
HK	2550	1399
HL	2600	1427
HN	2500	1371
HP	2450	1343
HT	2450	1343
HU	2450	1343

<b>MELTING POINTS</b> Heat-Resistant Alloy Castings		
<b>ALLOY</b>	<b>MELTING POINT °F</b>	<b>MELTING POINT °C</b>
HA	2750	1510
HC	2725	1496
HD	2700	1482
HE	2650	1454
HF	2550	1399
HH	2500	1371
HI	2550	1399
HK	2550	1399
HL	2600	1427
HN	2500	1371
HW	2350	1288
HX	2350	1288

<b>MELTING POINTS</b> Aluminum Alloys		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
EC	1215	657
1060	1195-1215	646-657
1100	1190-1215	643-657
2011	1005-1190	541-643
2014	945-1180	507-637
2024	935-1180	507-638
2218	940-1175	504-635
3003	1190-1210	643-654
4032	990-1060	532-571
5005	1170-1210	632-654
5050	1155-1205	624-652
5052	1125-1200	607-649
5056	1055-1180	568-638
5083	1095-1180	591-638
5086	1085-1185	585-641
5154	1100-1190	545-643

<b>MELTING POINTS</b>		
<b>Aluminum Alloys</b>		
<b>ALLOY</b>	<b>MELTING RANGE °F</b>	<b>MELTING RANGE °C</b>
5357	1210	654
5456	1055-1180	568-638
6061	1080-1205	582-652
6063	1140-1210	616-654
6101	1150-1210	621-654
6151	1090-1200	588-649
7075	890-1175	477-635
7079	1180	637
7178	890-1165	477-629

<b>MELTING POINTS</b>		
<b>Aluminum Casting Alloys</b>		
<b>ALLOY</b>	<b>MELTING RANGE °F</b>	<b>MELTING RANGE °C</b>
201.0	1060-1200	570-650
206.0	1060-1200	570-650
A206.0	1060-1200	570-650
208.0	970-1170	520-630
222.0	970-1160	520-625
224.0	1020-1190	550-645
238.0	950-1110	510-600
240.0	960-1120	515-605
242.0	990-1180	530-635
295.0	970-1190	520-645
296.0	970-1170	520-630
308.0	970-1140	520-615
319.0	970-1120	520-605
324.0	1010-1120	545-605
332.0	970-1080	520-580
333.0	970-1090	520-585
336.0	1000-1060	540-570
354.0	1000-1110	540-600
355.0	1020-1150	550-620
C355.0	1020-1150	550-620
356.0	1040-1140	560-615

**MELTING POINTS**  
**Aluminum Casting Alloys**

ALLOY	MELTING RANGE °F	MELTING RANGE °C
A356.0	1040-1130	560-610
357.0	1040-1140	560-615
A357.0	1030-1130	555-610
358.0	1040-1110	560-600
359.0	1050-1110	565-600
360.0	1060-1090	570-590
A360.0	1060-1090	570-590
364.0	1040-1110	560-600
380.0	970-1090	520-590
A380.0	970-1090	520-590
384.0	900-1080	480-580
390.0	950-1200	510-650
392.0	1020-1240	550-670
413.0	1070-1090	575-585
A413.0	1070-1090	575-585
443.0	1070-1170	575-630
A444.0	1070-1170	575-630
511.0	1090-1180	590-640
512.0	1090-1170	590-630
513.0	1080-1180	580-640
514.0	1110-1180	600-640
518.0	1000-1150	540-620
520.0	840-1110	450-600
535.0	1020-1170	550-630
A535.0	1020-1150	550-620
B535.0	1020-1170	550-630
705.0	1110-1180	600-640
707.0	1090-1170	585-630
710.0	1110-1200	600-650
711.0	1110-1190	600-645
712.0	1110-1180	600-640
713.0	1100-1170	595-630
850.0	440-1200	225-650
851.0	450-1170	230-630
852.0	410-1180	210-635

<b>MELTING POINTS/RANGES</b>		
<b>Copper Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
C10200 (Oxygen Free)	1950-1980	1065-1083
C11000 (Copper ETP)	1950-1980	1065-1083
C12000 (Copper DLP)	1981	1083
C12200 (Copper DHP)	1981	1083
C14500 (Free Machining [Te])	1924-1967	1051-1075
C17000 (Beryllium Copper)	1590-1800	805-980
C21000 (Gilding)	1920-1950	1050-1066
C22000 (Commercial Bronze [90% Cu])	1870-1910	1020-1043
C22600 (Jewelry Bronze [87.5% Cu])	1840-1890	1005-1035
C23000 (Red Brass [85% Cu])	1810-1880	990-1027
C24000 (Low Brass [80% Cu])	1770-1830	965-1000
C26000 (Cartridge Brass [70% Cu])	1680-1750	915-954
C27000 (Yellow Brass [65% Cu])	1660-1710	905-932
C280000 (Muntz Metal [60% Cu])	1650-1660	900-904
C31400 (Leaded Commercial Bronze)	1850-1900	1010-1038
C33000 Low Leaded Brass [0.5% Pb]	1660-1720	905-938
C34000 (Medium Leaded Brass [1% Pb])	1630-1700	885-927
C35300 (High Leaded Brass [1.6% Pb])	1650-1710	900-932
C34200 (High Leaded Brass [2% Pb])	1630-1670	885-910
C35600 (Extra High Leaded Brass [2.5% Pb])	1630-1660	885-904
C36000 (Free Cutting Brass)	1630-1650	885-900
C36500 (Leaded Muntz Metal)	1630-1650	885-900
C37700 (Forging Brass)	1620-1640	880-893
C38500 (Architectural Bronze)	1610-1630	875-888
C44400 (Inhibited Admiralty)	1650-1720	900-938
C46400 (Naval Brass)	1630-1650	885-900
C50500 (Phosphor Bronze [1.25% Sn])	1890-1970	1035-1077
C51000 (Phosphor Bronze [5% Sn])	1790-1940	975-1060
C52100 (Phosphor Bronze [8% Sn])	1620-1880	880-1027
C52400 (Phosphor Bronze [10% Sn])	1550-1830	845-1000
C54400 (Free Cutting Phosphor Bronze)	1710-1830	930-1000
C60600 (Aluminum Bronze [5% Al])	1920-1950	1050-1065

<b>MELTING POINTS/RANGES</b>		
<b>Copper Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
C61000 (Aluminum Bronze [7% Al])	1900-1910	1040-1045
C62300 (Aluminum Bronze [11% Al])	1880-1900	1025-1040
C63200 (Aluminum Bronze [9% Al])	1900-1910	1040-1045
C64200 (Aluminum Silicon Bronze)	1800-1840	985-1004
C65500 (High Silicon Bronze [3% Si])	1780-1880	970-1027
Low Silicon Bronze (1.5% Si)	1890-1940	1030-1060
C67500 (Manganese Bronze)	1630-1690	888-920
C70600 (Cupro-Nickel [10% Ni])	2010-2100	1100-1149
C71500 (Cupro-Nickel [30% Ni])	2140-2260	1170-1238
C75200 (Nickel-Silver [65% Cu])	2030	1110
C75700 (Nickel-Silver [65% Cu- 12% Ni])	1900	1038
C77000 (Nickel-Silver [55% Cu])	1930	1054

<b>MELTING POINTS</b>		
<b>Copper Casting Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
Chrome Copper (1% Cr)	1970-1990	1075-1085
Tin Bronze, Alloy 1A	1570-1830	834-1000
Tin Bronze, Alloy 1B	1570-1830	834-1000
Tin Bronze, Alloy SAE 65	1832	1000
Navy M Bronze, Alloy 2A	1520-1810	825-990
Leaded Tin Bronze, Alloy 2B	1570-1830	854-1000
Leaded Tin Bronze, Alloy 2C	1550-1800	845-980
High Leaded Tin Bronze, Alloy 3A	1400-1710	762-930
High Leaded Tin Bronze, Alloy 3B	1570-1790	855-975
High Leaded Tin Bronze, Alloy 3C	1570-1830	855-1000
High Leaded Tin Bronze, Alloy 3D	1570-1730	855-945
High Leaded Tin Bronze, Alloy 3E	1650-1700	900-925
Leaded Red Brass, Alloy 4A	1570-1850	855-1010
Leaded Red Brass, Alloy 4B	1550-1840	845-1005
Leaded Semi Red Brass, Alloy 5A	1540-1840	840-1005
Leaded Semi Red Brass, Alloy 5B	1530-1750	832-955
Leaded Yellow Brass, Alloy 6A	1700-1720	925-940

<b>MELTING POINTS</b>		
<b>Copper Casting Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
Leaded Yellow Brass, Alloy 6B	1700-1720	925-940
Manganese Bronze (59% Cu)	1675	913
Manganese Bronze (57.5% Cu)	1616	880
Manganese Bronze (64% Cu)	1700	937
Manganese Bronze (110,000 psi)	1693	923
Aluminum Bronze, Alloy 9A	1900-1910	1040-1045
Aluminum Bronze, Alloy 9B	1900-1910	1040-1045
Aluminum Bronze, Alloy 9C	1880-1900	1027-1040
Aluminum Bronze, Alloy 9D	1900-1930	1038-1055
Nickel Silver (12% Ni)	Max: 1900	Max: 1040
Nickel Silver (15% Ni)	1850-1970	1010-1075
Nickel Silver (18% Ni)	Max: 1930	Max: 1055
Nickel Silver (25% Ni)	2300	1260
Low-Silicon Bronze (1% Si)	1890-1940	1030-1060
High-Silicon Bronze (3% Si)	1780-1880	700-875
Silicon Brass	1510-1680	821-917

<b>MELTING POINTS</b>		
<b>Magnesium Alloys/Casting Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
AM100A	1101	594
AZ63A	1130	610
AZ81A	1132	611
AZ91A, B & C Alloys	1105	596
AZ92A	1100	593
HK31A	1090-1200	590-650
HZ32A	1020-1200	550-650
ZH42	1180	638
ZH62A	968-1170	520-630
ZK51A	1020-1180	550-640
ZE41A	977-1190	525-645
EZ33A	1010-1190	545-645
EZ30A	1184	640
EZ41A	1193	645



<b>MELTING POINTS</b>		
<b>Electrical Resistance Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT °F</b>	<b>MELTING POINT °C</b>
80 Ni -20 Cr	2550	1400
60 Ni -24 Fe-16 Cr	2530	1390
35 Ni-45 Fe-20 Cr	2530	1390
Constantan	2230	1220

<b>MELTING POINTS</b>		
<b>Titanium Alloys</b>		
<b>ALLOY</b>	<b>MELTING POINT/RANGE °F</b>	<b>MELTING POINT/RANGE °C</b>
99.2%	3135	1724
99.0%	3020	1660
Ti- 6 Al - 4V	2920-3020	1604-1660
Ti - 5 Al - 2.5 Sn	Max: 2890	Max: 1590
Ti - 2 Fe - 2 Cr - 2Mo	3010	1654
Ti - 8 Mn	2370-2970	1300-1635
Ti - 4 Al -4 Mn	2820	1549