BULLERS™ Pyrometric Rings

Approximate Temperature Table for Bullers Rings Type 27/84 - Standard

Temperature °C	Bullers Ring Number	Ring Size mm
960	0	63.500
961	0.1	63.487
962	0.2	63.475
963	0.3	63.462
964	0.4	63.449
965	0.5	63.437
966	0.6	63.424
967	0.7	63.411
968	0.8	63.398
969	0.9	63.386
970	1	63.373
971	1.15	63.354
972	1.3	63.335
973	1.45	63.316
974	1.6	63.297
975	1.75	63.278
976	1.9	63.259
977	2.05	63.240
978	2.2	63.221
979	2.35	63.202
980	2.5	63.183
981	2.65	63.163
982	2.8	63.144
983	2.95	63.125
984	3.1	63.106
985	3.25	63.087
986	3.4	63.068
987	3.55	63.049
988	3.7	63.030
989	3.85	63.011
990	4	62.992
991	4.15	62.973
992	4.3	62.954
993	4.45	62.935
994	4.6	62.916
995	4.75	62.897
996	4.9	62.878
997	5.05	62.859
998	5.2	62.840
999	5.35	62.821
1000	5.5	62.802
1001	5.65	62.782
1002	5.8	62.763
1003	5.95	62.744
1004	6.1	62.725
1005	6.25	62.706
1006	6.4	62.687
1007	6.55	62.668
1008	6.7	62.649
1009	6.85	62.630
1010	7	62.611
1011	7.15	62.592
1012	7.3	62.573
1013	7.45	62.554
1014	7.6	62.535
1015	7.75	62.516
1016	7.9	62.497
1017	8.05	62.478
1018	8.2	62.459
1019	8.35	62.440
1020	8.5	62.421
1021	8.65	62.401
1022	8.8	62.382
1023	8.95	62.363
1024	9.1	62.344
1025	9.25	62.325
1026	9.4	62.306
1027	9.55	62.287
1028	9.7	62.268
1029	9.85	62.249
1030	10	62.230
1031	10.15	62.210
1032	10.3	62.190
1033	10.45	62.169
1034	10.6	62.149
1035	10.75	62.129
1036	10.9	62.109
1037	11.05	62.089
1038	11.2	62.068
1039	11.35	62.048
1040	11.5	62.028
1041	11.65	62.008
1042	11.8	61.988
1043	11.95	61.967
1044	12.1	61.947
1045	12.25	61.927
1046	12.4	61.907
1047	12.55	61.887
1048	12.7	61.867
1049	12.85	61.846
1050	13	61.826
1051	13.1	61.813
1052	13.2	61.799
1053	13.3	61.786
1054	13.4	61.772
1055	13.5	61.759
1056	13.6	61.745
1057	13.7	61.732
1058	13.8	61.718
1059	13.9	61.705
1060	14	61.692
1061	14.15	61.671
1062	14.3	61.651
1063	14.45	61.631
1064	14.6	61.611
1065	14.75	61.591
1066	14.9	61.570
1067	15.05	61.550
1068	15.2	61.530
1069	15.35	61.510
1070	15.5	61.490
1071	15.65	61.469
1072	15.8	61.449
1073	15.95	61.429
1074	16.1	61.409
1075	16.25	61.389
1076	16.4	61.368
1077	16.55	61.348
1078	16.7	61.328
1079	16.85	61.308
1080	17	61.288
1081	17.15	61.267
1082	17.3	61.247
1083	17.45	61.227
1084	17.6	61.207
1085	17.75	61.187
1086	17.9	61.167
1087	18.05	61.146
1088	18.2	61.126
1089	18.35	61.106
1090	18.5	61.086
1091	18.65	61.066
1092	18.8	61.045
1093	18.95	61.025
1094	19.1	61.005
1095	19.25	60.985
1096	19.4	60.965
1097	19.55	60.944
1098	19.7	60.924
1099	19.85	60.904
1100	20	60.884
1101	20.15	60.863
1102	20.3	60.843
1103	20.45	60.822
1104	20.6	60.802
1105	20.75	60.781
1106	20.9	60.760
1107	21.05	60.740
1108	21.2	60.719
1109	21.35	60.699
1110	21.5	60.678
1111	21.65	60.657
1112	21.8	60.637
1113	21.95	60.616
1114	22.1	60.596
1115	22.25	60.575
1116	22.4	60.555
1117	22.55	60.534
1118	22.7	60.513
1119	22.85	60.493
1120	23	60.472
1121	23.15	60.452
1122	23.3	60.431
1123	23.45	60.411
1124	23.6	60.390

BULLERS™ Pyrometric Rings

Approximate Temperature Table for Bullers Rings Type 27/84 - Standard

Temperature °C	Bullers Ring Number	Ring Size mm
1125	23.75	60.369
1126	23.9	60.349
1127	24.05	60.328
1128	24.2	60.308
1129	24.35	60.287
1130	24.5	60.267
1131	24.65	60.246
1132	24.8	60.225
1133	24.95	60.205
1134	25.1	60.184
1135	25.25	60.164
1136	25.4	60.143
1137	25.55	60.123
1138	25.7	60.102
1139	25.85	60.081
1140	26	60.061
1141	26.1	60.047
1142	26.2	60.033
1143	26.3	60.020
1144	26.4	60.006
1145	26.5	59.992
1146	26.6	59.979
1147	26.7	59.965
1148	26.8	59.951
1149	26.9	59.937
1150	27	59.924
1151	27.15	59.903
1152	27.3	59.883
1153	27.45	59.862
1154	27.6	59.841
1155	27.75	59.821
1156	27.9	59.800
1157	28.05	59.780
1158	28.2	59.759
1159	28.35	59.739
1160	28.5	59.718
1161	28.65	59.697
1162	28.8	59.677
1163	28.95	59.656
1164	29.1	59.636
1165	29.25	59.615
1166	29.4	59.594
1167	29.55	59.574
1168	29.7	59.553
1169	29.85	59.533
1170	30	59.512
1171	30.15	59.491
1172	30.3	59.470
1173	30.45	59.448
1174	30.6	59.427
1175	30.75	59.406
1176	30.9	59.384
1177	31.05	59.363
1178	31.2	59.342
1179	31.35	59.320
1180	31.5	59.299
1181	31.65	59.278
1182	31.8	59.256
1183	31.95	59.235
1184	32.1	59.213
1185	32.25	59.192
1186	32.4	59.171
1187	32.55	59.149
1188	32.7	59.128
1189	32.85	59.107
1190	33	59.085
1191	33.15	59.064
1192	33.3	59.043
1193	33.45	59.021
1194	33.6	59.000
1195	33.75	58.979
1196	33.9	58.957
1197	34.05	58.936
1198	34.2	58.915
1199	34.35	58.893
1200	34.5	58.872
1201	34.65	58.851
1202	34.8	58.829
1203	34.95	58.808
1204	35.1	58.787
1205	35.25	58.765
1206	35.4	58.744
1207	35.55	58.723
1208	35.7	58.701
1209	35.85	58.680
1210	36	58.659
1211	36.15	58.637
1212	36.3	58.616
1213	36.45	58.595
1214	36.6	58.573
1215	36.75	58.552
1216	36.9	58.531
1217	37.05	58.509
1218	37.2	58.488
1219	37.35	58.467
1220	37.5	58.445
1221	37.6	58.431
1222	37.7	58.417
1223	37.8	58.403
1224	37.9	58.389
1225	38	58.374
1226	38.1	58.360
1227	38.2	58.346
1228	38.3	58.332
1229	38.4	58.317
1230	38.5	58.303
1231	38.65	58.282
1232	38.8	58.260
1233	38.95	58.239
1234	39.1	58.218
1235	39.25	58.196
1236	39.4	58.175
1237	39.55	58.154
1238	39.7	58.132
1239	39.85	58.111
1240	40	58.090
1241	40.15	58.068
1242	40.3	58.046
1243	40.45	58.024
1244	40.6	58.001
1245	40.75	57.979
1246	40.9	57.957
1247	41.05	57.935
1248	41.2	57.913
1249	41.35	57.891
1250	41.5	57.869

Note

1. When using Bullers Rings, the Gauge Number or Bullers Ring Value (BRV) should always be quoted rather than the implied temperature in the above table.

2. The above table is provided as a very approximate guide as to how the rings perform.

3. The actual performance of Bullers Rings may be different from the above table when used by customers. The differences arise due to:
   - Firing rate and time at maximum temperature
   - Setting density of products
   - Kiln atmosphere
   - Air and heat flow relative positions of Bullers Ring and temperature measuring device

   For these reasons, customers are advised to calibrate new batches against existing rings under their own firing conditions.The actual performance of Bullers Rings when in use by customers may be different from the above table due to their kilns firing rate and atmosphere.