



Approximate Temperature Table for Bullers Rings Type 75/84 – Extended Temperature

Temperature °C	Bullers Ring Number	Ring Size mm	Temperature °C	Bullers Ring Number	Ring Size mm	Temperature °C	Bullers Ring Number	Ring Size mm
960	0	63.500	1025	6.5	62.675	1090	15.5	61.490
961	0.1	63.487	1026	6.6	62.662	1091	15.65	61.469
962	0.2	63.475	1027	6.7	62.649	1092	15.8	61.449
963	0.3	63.462	1028	6.8	62.636	1093	15.95	61.429
964	0.4	63.449	1029	6.9	62.624	1094	16.1	61.409
965	0.5	63.437	1030	7	62.611	1095	16.25	61.389
966	0.6	63.424	1031	7.15	62.592	1096	16.4	61.368
967	0.7	63.411	1032	7.3	62.573	1097	16.55	61.348
968	0.8	63.398	1033	7.45	62.554	1098	16.7	61.328
969	0.9	63.386	1034	7.6	62.535	1099	16.85	61.308
970	1	63.373	1035	7.75	62.516	1100	17	61.288
971	1.1	63.360	1036	7.9	62.497	1101	17.15	61.267
972	1.2	63.348	1037	8.05	62.478	1102	17.3	61.247
973	1.3	63.335	1038	8.2	62.459	1103	17.45	61.227
974	1.4	63.322	1039	8.35	62.440	1104	17.6	61.207
975	1.5	63.310	1040	8.5	62.421	1105	17.75	61.187
976	1.6	63.297	1041	8.65	62.401	1106	17.9	61.167
977	1.7	63.284	1042	8.8	62.382	1107	18.05	61.146
978	1.8	63.271	1043	8.95	62.363	1108	18.2	61.126
979	1.9	63.259	1044	9.1	62.344	1109	18.35	61.106
980	2	63.246	1045	9.25	62.325	1110	18.5	61.086
981	2.1	63.233	1046	9.4	62.306	1111	18.65	61.066
982	2.2	63.221	1047	9.55	62.287	1112	18.8	61.045
983	2.3	63.208	1048	9.7	62.268	1113	18.95	61.025
984	2.4	63.195	1049	9.85	62.249	1114	19.1	61.005
985	2.5	63.183	1050	10	62.230	1115	19.25	60.985
986	2.6	63.170	1051	10.1	62.217	1116	19.4	60.965
987	2.7	63.157	1052	10.2	62.203	1117	19.55	60.944
988	2.8	63.144	1053	10.3	62.190	1118	19.7	60.924
989	2.9	63.132	1054	10.4	62.176	1119	19.85	60.904
990	3	63.119	1055	10.5	62.163	1120	20	60.884
991	3.1	63.106	1056	10.6	62.149	1121	20.1	60.870
992	3.2	63.094	1057	10.7	62.136	1122	20.2	60.856
993	3.3	63.081	1058	10.8	62.122	1123	20.3	60.843
994	3.4	63.068	1059	10.9	62.109	1124	20.4	60.829
995	3.5	63.056	1060	11	62.095	1125	20.5	60.815
996	3.6	63.043	1061	11.15	62.075	1126	20.6	60.802
997	3.7	63.030	1062	11.3	62.055	1127	20.7	60.788
998	3.8	63.017	1063	11.45	62.035	1128	20.8	60.774
999	3.9	63.005	1064	11.6	62.015	1129	20.9	60.760
1000	4	62.992	1065	11.75	61.994	1130	21	60.747
1001	4.1	62.979	1066	11.9	61.974	1131	21.1	60.733
1002	4.2	62.967	1067	12.05	61.954	1132	21.2	60.719
1003	4.3	62.954	1068	12.2	61.934	1133	21.3	60.705
1004	4.4	62.941	1069	12.35	61.914	1134	21.4	60.692
1005	4.5	62.929	1070	12.5	61.893	1135	21.5	60.678
1006	4.6	62.916	1071	12.65	61.873	1136	21.6	60.664
1007	4.7	62.903	1072	12.8	61.853	1137	21.7	60.651
1008	4.8	62.890	1073	12.95	61.833	1138	21.8	60.637
1009	4.9	62.878	1074	13.1	61.813	1139	21.9	60.623
1010	5	62.865	1075	13.25	61.792	1140	22	60.609
1011	5.1	62.852	1076	13.4	61.772	1141	22.1	60.596
1012	5.2	62.840	1077	13.55	61.752	1142	22.2	60.582
1013	5.3	62.827	1078	13.7	61.732	1143	22.3	60.568
1014	5.4	62.814	1079	13.85	61.712	1144	22.4	60.555
1015	5.5	62.802	1080	14	61.692	1145	22.5	60.541
1016	5.6	62.789	1081	14.15	61.671	1146	22.6	60.527
1017	5.7	62.776	1082	14.3	61.651	1147	22.7	60.513
1018	5.8	62.763	1083	14.45	61.631	1148	22.8	60.500
1019	5.9	62.751	1084	14.6	61.611	1149	22.9	60.486
1020	6	62.738	1085	14.75	61.591	1150	23	60.472
1021	6.1	62.725	1086	14.9	61.570	1151	23.15	60.452
1022	6.2	62.713	1087	15.05	61.550	1152	23.3	60.431
1023	6.3	62.700	1088	15.2	61.530	1153	23.45	60.411
1024	6.4	62.687	1089	15.35	61.510	1154	23.6	60.390



Approximate Temperature Table for Bullers Rings Type 75/84 – Extended Temperature

Temperature °C	Bullers Ring Number	Ring Size mm
1155	23.75	60.369
1156	23.9	60.349
1157	24.05	60.328
1158	24.2	60.308
1159	24.35	60.287
1160	24.5	60.267
1161	24.65	60.246
1162	24.8	60.225
1163	24.95	60.205
1164	25.1	60.184
1165	25.25	60.164
1166	25.4	60.143
1167	25.55	60.123
1168	25.7	60.102
1169	25.85	60.081
1170	26	60.081
1171	26.1	60.067
1172	26.2	60.053
1173	26.3	60.038
1174	26.4	60.024
1175	26.5	60.010
1176	26.6	59.996
1177	26.7	59.982
1178	26.8	59.967
1179	26.9	59.953
1180	27	59.939
1181	27.1	59.925
1182	27.2	59.910
1183	27.3	59.896
1184	27.4	59.882
1185	27.5	59.868
1186	27.6	59.854
1187	27.7	59.839
1188	27.8	59.825
1189	27.9	59.811
1190	28	59.797
1191	28.1	59.782
1192	28.2	59.768
1193	28.3	59.754
1194	28.4	59.740
1195	28.5	59.726
1196	28.6	59.711
1197	28.7	59.697
1198	28.8	59.683
1199	28.9	59.669
1200	29	59.654
1201	29.1	59.640
1202	29.2	59.626
1203	29.3	59.612
1204	29.4	59.598
1205	29.5	59.583
1206	29.6	59.569
1207	29.7	59.555
1208	29.8	59.541
1209	29.9	59.526
1210	30	59.512

Temperature °C	Bullers Ring Number	Ring Size mm
1211	30.1	59.498
1212	30.2	59.484
1213	30.3	59.470
1214	30.4	59.455
1215	30.5	59.441
1216	30.6	59.427
1217	30.7	59.413
1218	30.8	59.398
1219	30.9	59.384
1220	31	59.370
1221	31.1	59.356
1222	31.2	59.342
1223	31.3	59.327
1224	31.4	59.313
1225	31.5	59.299
1226	31.6	59.285
1227	31.7	59.270
1228	31.8	59.256
1229	31.9	59.242
1230	32	59.228
1231	32.1	59.213
1232	32.2	59.199
1233	32.3	59.185
1234	32.4	59.171
1235	32.5	59.157
1236	32.6	59.142
1237	32.7	59.128
1238	32.8	59.114
1239	32.9	59.100
1240	33	59.121
1241	33.15	59.099
1242	33.3	59.077
1243	33.45	59.055
1244	33.6	59.033
1245	33.75	59.011
1246	33.9	58.988
1247	34.05	58.966
1248	34.2	58.944
1249	34.35	58.922
1250	34.5	58.900
1251	34.7	58.871
1252	34.9	58.841
1253	35.1	58.812
1254	35.3	58.782
1255	35.5	58.753
1256	35.7	58.723
1257	35.9	58.694
1258	36.1	58.664
1259	36.3	58.635
1260	36.5	58.605
1261	36.7	58.576
1262	36.9	58.546
1263	37.1	58.517
1264	37.3	58.488
1265	37.5	58.458
1266	37.7	58.429

Temperature °C	Bullers Ring Number	Ring Size mm
1267	37.9	58.399
1268	38.1	58.370
1269	38.3	58.340
1270	38.5	58.311
1271	38.65	58.289
1272	38.8	58.267
1273	38.95	58.244
1274	39.1	58.222
1275	39.25	58.200
1276	39.4	58.178
1277	39.55	58.156
1278	39.7	58.134
1279	39.85	58.112
1280	40	58.090
1281	40.2	58.060
1282	40.4	58.031
1283	40.6	58.001
1284	40.8	57.972
1285	41	57.942
1286	41.2	57.913
1287	41.4	57.884
1288	41.6	57.854
1289	41.8	57.825
1290	42	57.795
1291	42.2	57.766
1292	42.4	57.736
1293	42.6	57.707
1294	42.8	57.677
1295	43	57.648
1296	43.2	57.618
1297	43.4	57.589
1298	43.6	57.559
1299	43.8	57.530
1300	44	57.501
1301	44.1	57.486
1302	44.2	57.471
1303	44.3	57.456
1304	44.4	57.442
1305	44.5	57.427
1306	44.6	57.412
1307	44.7	57.397
1308	44.8	57.383
1309	44.9	57.368
1310	45	57.353
1311	45.1	57.338
1312	45.2	57.324
1313	45.3	57.309
1314	45.4	57.294
1315	45.5	57.280
1316	45.6	57.265
1317	45.7	57.250
1318	45.8	57.235
1319	45.9	57.221
1320	46	57.206

Note

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