

Brammer Standard Company

Data Sheet

Steel Setting-up Reference Materials

<u>B.S. No.</u>	<u>203</u>	<u>204</u>	<u>205</u>	<u>207</u>	<u>208</u>	<u>211</u>	<u>B.S. No.</u>
C	0.32	0.40	0.419	0.15	0.185	1.09	C
Mn	0.81	0.83	0.69	0.51	0.86	0.48	Mn
P	0.019	0.018	0.021	0.017	0.022	0.025	P
S	0.022	0.019	0.013	0.013	0.016	0.014	S
Si	0.59	0.61	0.61	0.39	0.44	0.62	Si
Cu	0.032	0.027	0.057	0.033	0.10	0.10	Cu
Ni	0.020	0.020	0.039	0.017	0.63	0.105	Ni
Cr	0.049	0.059	1.00	0.37	0.57	1.46	Cr
Mo	0.006	0.006	0.215	0.005	0.21	0.045	Mo
Sn	(0.003)	(0.003)	(0.004)	(0.003)	(0.006)	(0.007)	Sn
Al	0.12	0.11	0.005	0.007	0.020	0.029	Al
V	0.002	0.003	0.005	0.002	0.006	0.014	V
Nb	0.004	(0.001)	0.030	0.024	0.005	0.005	Nb
W	(0.004)	0.002	-----	-----	(0.006)	-----	W

These setting-up materials have been cast on a copper base mold to produce rapid unidirectional solidification. The useable portion extends upward 10 mm from the larger diameter surface. Three laboratories cooperated in the testing of these materials. These Reference Materials are intended for use in checking the analytical curves of optical emission and x-ray spectrometers.

Note: Shrinkage cavities may appear in the top portion of some discs. These cavities are normal and will not affect the useable portion of the disc.

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