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Geometrical Factors for Hercules Viscometer Bobs

Parameter	10020 Bob A	10022 Bob B	10024 Bob C	10026 Bob D	10028 Bob E	10029 Bob EE	10030 Bob F	10031 Bob FF	10031-1 Bob F2.5	10032 Bob H
Cup Radius, R_2 (cm)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Bob radius, R_1 (cm)	1.95	1.95	1.95	1.50	1.98	1.98	1.99	1.99	1.99	1.90
Bob height, H (cm)	5.00	2.50	1.00	2.50	5.00	1.00	5.00	1.00	2.50	5.00
Gap clearance, X_0 (cm)	0.05	0.05	0.05	0.50	0.02	0.02	0.01	0.01	0.01	0.10
R_1/R_2	0.975	0.975	0.975	0.750	0.990	0.990	0.995	0.995	0.995	0.950
X_0/R_1	0.0256	0.0256	0.0256	0.0333	0.0101	0.0100	0.0050	0.0050	0.0050	0.0526
H/R_1	2.564	1.282	0.513	1.667	2.525	0.505	2.513	0.503	1.256	2.631
s-factor	0.00020	0.00041	0.00100	0.00620	0.00008	0.00040	0.00004	0.00020	0.00008	0.00043
G-factor	0.00163	0.00163	0.00163	0.00143	0.00042	0.00042	0.00015	0.00015	0.00015	0.00456
Shear stress factor ^a	0.0084	0.0167	0.0419	0.0283	0.0081	0.0406	0.0080	0.0400	0.0161	0.0088
Shear rate factor ^b	4.24	4.24	4.24	0.478	10.52	10.52	20.99	20.99	20.99	2.15