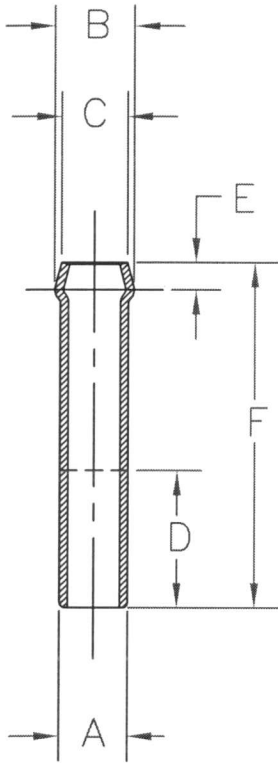


TUBE CHART



A DIA. FOR
D DISTANCE

G=STARTING
MATL. THKNSS

JOB#	A	B	C	D	E	F	G
P-1441	.186	.218	.179	.433		1.142	.036
P-1105	.188	.220	.180	.250	.080	.610	.030
P-1051	.188	.220			.080	.622	.040
P-1050	.188	.220			.080	.875	.040
P-1141	.189	.240	.170		.187	.710	.035/.03
P-1141-1	.189	.240	.145		.187	.710	.035/.03
P-1115	.189	.220	.180	.100	.080	.740	.035
P-1050-1	.189	.220	.180	.100	.080	.860	.040
P-1116-2	.190	.220	.180		.080	.635	.030
P-1116	.190	.220	.180	.100	.080	.635	.030
P-1116-1	.190	.220	.180		.080	.700	.030
P-1571	.239	.292	.240	.625		1.614	.036
P-1049	.249	.290	.240	.200		.622	.036
P-1165	.250	.290	.240			.860	.040
P-1442	.250	.289	.240	.550		1.260	.040
P-1049-1	.251	.290	.240			.622	.036
P-1048	.251	.290	.240			.875	.040
P-1444	.311	.379	.309	.500		1.082	.040
P-1068	.314	.380		.250		.855	.040
P-1443	.375	.430	.379	.708		1.456	.040
P-1247	.376	.425	.375	.600		1.250	.035
P-1131	.378	.430	.380		.100	.715	.04/.038
P-1094	.378	.430	.380	.250	.100	.860	.036
P-1094-1	.378	.430	.380		.100	.860	.036
P-1344	.500	.560	.500	.750		1.600	.042
P-1235	.590	.649	.527	.590	.157	1.378	.036
P- 934	.622	.685	.540	.800	.090	1.440	.038
P- 935	.622	.685	.540	.800	.090	1.700	.038
P- 997	.622	.685	.540	.800	.090	2.000	.04/.038
P-1021	.625	.685	.540	.250	.090	.975	.04/.038
P-1142	.625	.690	.625	.500		1.340	.035
P-1134-1	.627	.690			.110	1.090	.040
P-1245	.628	.700	.605		.350	1.400	.040
P-1134	.630	.690		.375	.110	1.090	.04/.038
P-1220	.675	.750	.620		.200	1.070	.036
P-1234	.708	.779	.645	.393	.157	1.378	.036
P-1242	.745	.806		.905	.200	1.780	.035
P- 962	.747	.805	.620	.800	.090	1.740	.035
P-1221	.750	.800			.120	1.100	.036
P-1139	.750	.820	.750	.500		1.340	.035
P-1450	.750	.805	.680	.250	.075	1.100	.036
P- 958	.754	.840	.680	.820	.160	1.750	.050
P-1140	1.180	1.280	1.150		.260	1.480	.035
P-1446	1.187	1.295	1.206		.055	.627	.036
P-1523	1.263	1.440	1.310	.200	.235	1.375	.036