

TABLE 1A - DIMENSIONS A THROUGH E

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A MAX	A1 MAX	B MAX	B1 MAX	C MAX	C1 MAX	E MAX
040404	.2500	.2500	.2500	.935	.848	.935	.848	.935	.848	.466
040406	.2500	.2500	.3750	.998	.911	.998	.911	1.215	1.099	.466
060404	.3750	.2500	.2500	1.215	1.099	.998	.911	.998	.911	.609
060406	.3750	.2500	.3750	1.215	1.099	.998	.911	1.215	1.099	.609
060604	.3750	.3750	.2500	1.215	1.099	1.215	1.099	.998	.911	.609
060606	.3750	.3750	.3750	1.215	1.099	1.215	1.099	1.215	1.099	.609
060608	.3750	.3750	.5000	1.308	1.192	1.308	1.192	1.516	1.370	.609
080408	.5000	.2500	.5000	1.516	1.370	1.091	1.004	1.516	1.370	.783
080604	.5000	.3750	.2500	1.516	1.370	1.308	1.192	1.091	1.004	.783
080606	.6250	.3750	.3750	1.516	1.370	1.308	1.192	1.308	1.192	.783
080608	.5000	.3750	.5000	1.516	1.370	1.308	1.192	1.516	1.370	.783
080610	.5000	.3750	.6250	1.579	1.433	1.371	1.255	1.873	1.669	.783
080804	.5000	.5000	.2500	1.516	1.370	1.516	1.370	1.091	1.004	.783
080806	.5000	.5000	.3750	1.516	1.370	1.516	1.370	1.308	1.192	.783
080808	.5000	.5000	.5000	1.516	1.370	1.516	1.370	1.516	1.370	.783
080810	.5000	.5000	.6250	1.579	1.433	1.579	1.433	1.873	1.669	.783
100410	.6250	.2500	.6250	1.873	1.669	1.154	1.067	1.873	1.669	.939
100412	.6250	.2500	.7500	1.998	1.794	1.279	1.192	2.149	1.944	.939
100604	.6250	.3750	.2500	1.873	1.669	1.371	1.255	1.154	1.067	.939
100606	.6250	.3750	.3750	1.873	1.669	1.371	1.255	1.371	1.255	.939
100608	.6250	.3750	.5000	1.873	1.669	1.371	1.255	1.579	1.433	.939
100610	.6250	.3750	.6250	1.873	1.669	1.371	1.255	1.873	1.669	.939
100612	.6250	.3750	.7500	1.998	1.794	1.496	1.380	2.149	1.944	.939
100806	.6250	.5000	.3750	1.873	1.669	1.579	1.433	1.371	1.255	.939
100808	.6250	.5000	.5000	1.873	1.669	1.579	1.433	1.579	1.433	.939
100810	.6250	.5000	.6250	1.873	1.669	1.579	1.433	1.873	1.669	.939
101004	.6250	.6250	.2500	1.873	1.669	1.873	1.669	1.154	1.067	.939
101006	.6250	.6250	.3750	1.873	1.669	1.873	1.669	1.371	1.255	.939
101008	.6250	.6250	.5000	1.873	1.669	1.873	1.669	1.579	1.433	.939
101010	.6250	.6250	.6250	1.873	1.669	1.873	1.669	1.873	1.669	.939
101012	.6250	.6250	.7500	1.998	1.794	1.998	1.794	2.149	1.944	.939
101016	.6250	.6250	1.0000	2.157	1.953	2.157	1.953	2.606	2.392	.939
120612	.7500	.3750	.7500	2.149	1.944	1.496	1.380	2.149	1.944	1.122
120806	.7500	.5000	.3750	2.149	1.944	1.704	1.558	1.496	1.380	1.122
120808	.7500	.5000	.5000	2.149	1.944	1.704	1.558	1.704	1.558	1.122
120812	.7500	.5000	.7500	2.149	1.944	1.704	1.558	2.149	1.944	1.122
120816	.7500	.5000	1.0000	2.308	2.103	1.863	1.717	2.606	2.392	1.122
121004	.7500	.6250	.2500	2.149	1.944	1.998	1.794	1.279	1.192	1.122
121006	.7500	.6250	.3750	2.149	1.944	1.998	1.794	1.496	1.380	1.122
121008	.7500	.6250	.5000	2.149	1.944	1.998	1.794	1.704	1.558	1.122
121010	.7500	.6250	.6250	2.149	1.944	1.998	1.794	1.998	1.794	1.122
121012	.7500	.6250	.7500	2.149	1.944	1.998	1.794	2.149	1.944	1.122
121016	.7500	.6250	1.0000	2.308	2.103	2.157	1.953	2.606	2.392	1.122
121204	.7500	.7500	.2500	2.149	1.944	2.149	1.944	1.279	1.192	1.122
121206	.7500	.7500	.3750	2.149	1.944	2.149	1.944	1.496	1.380	1.122
121208	.7500	.7500	.5000	2.149	1.944	2.149	1.944	1.704	1.558	1.122
121210	.7500	.7500	.6250	2.149	1.944	2.149	1.944	1.998	1.794	1.122
121212	.7500	.7500	.7500	2.149	1.944	2.149	1.944	2.149	1.944	1.122

TABLE 1A - DIMENSIONS A THROUGH E (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A MAX	A1 MAX	B MAX	B1 MAX	C MAX	C1 MAX	E MAX
121216	.7500	.7500	1.0000	2.308	2.103	2.308	2.103	2.606	2.392	1.122
160816	1.0000	.5000	1.0000	2.606	2.392	1.863	1.717	2.606	2.392	1.495
161008	1.0000	.6250	.5000	2.606	2.392	2.157	1.953	1.863	1.717	1.495
161016	1.0000	.6250	1.0000	2.606	2.392	2.157	1.953	2.606	2.392	1.495
161208	1.0000	.7500	.5000	2.606	2.392	2.308	2.103	1.863	1.717	1.495
161210	1.0000	.7500	.6250	2.606	2.392	2.308	2.103	2.157	1.953	1.495
161212	1.0000	.7500	.7500	2.606	2.392	2.308	2.103	2.308	2.103	1.495
161216	1.0000	.7500	1.0000	2.606	2.392	2.308	2.103	2.606	2.392	1.495
161608	1.0000	1.0000	.5000	2.606	2.392	2.606	2.392	1.863	1.717	1.495
161610	1.0000	1.0000	.6250	2.606	2.392	2.606	2.392	2.157	1.953	1.495
161612	1.0000	1.0000	.7500	2.606	2.392	2.606	2.392	2.308	2.103	1.495
161616	1.0000	1.0000	1.0000	2.606	2.392	2.606	2.392	2.606	2.392	1.495
201020	1.2500	.6250	1.2500	3.020	2.796	2.279	2.075	3.020	2.796	1.758
201210	1.2500	.7500	.6250	3.020	2.796	2.430	2.225	2.279	2.075	1.758
201220	1.2500	.7500	1.2500	3.020	2.796	2.430	2.225	3.020	2.796	1.758
201610	1.2500	1.0000	.6250	3.020	2.796	2.728	2.514	2.279	2.075	1.758
201612	1.2500	1.0000	.7500	3.020	2.796	2.728	2.514	2.430	2.225	1.758
201616	1.2500	1.0000	1.0000	3.020	2.796	2.728	2.514	2.728	2.514	1.758
201620	1.2500	1.0000	1.2500	3.020	2.796	2.728	2.514	3.020	2.796	1.758
202010	1.2500	1.2500	.6250	3.020	2.796	3.020	2.796	2.279	2.075	1.758
202012	1.2500	1.2500	.7500	3.020	2.796	3.020	2.796	2.430	2.225	1.758
202016	1.2500	1.2500	1.0000	3.020	2.796	3.020	2.796	2.728	2.514	1.758
202020	1.2500	1.2500	1.2500	3.020	2.796	3.020	2.796	3.020	2.796	1.758

TABLE 1B - DIMENSIONS EA THROUGH G

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	EA MAX	EB MAX	F MIN	FA MIN	FB MIN	G
040404	.2500	.2500	.2500	.466	.466	.253	.253	.253	.380- .348
040406	.2500	.2500	.3750	.466	.609	.253	.253	.378	.509- .477
060404	.3750	.2500	.2500	.466	.466	.378	.253	.253	.509- .477
060406	.3750	.2500	.3750	.466	.609	.378	.253	.378	.509- .477
060604	.3750	.3750	.2500	.609	.466	.378	.378	.253	.509- .477
060606	.3750	.3750	.3750	.609	.609	.378	.378	.378	.509- .477
060608	.3750	.3750	.5000	.609	.783	.378	.378	.504	.647- .615
080408	.5000	.2500	.5000	.466	.783	.504	.253	.504	.647- .615
080604	.5000	.3750	.2500	.609	.466	.504	.378	.253	.647- .615
080606	.5000	.3750	.3750	.609	.609	.504	.378	.378	.647- .615
080608	.5000	.3750	.5000	.609	.783	.504	.378	.504	.647- .615
080610	.5000	.3750	.6250	.609	.939	.504	.378	.629	.783- .751
080804	.5000	.5000	.2500	.783	.466	.504	.504	.253	.647- .615
080806	.5000	.5000	.3750	.783	.609	.504	.504	.378	.647- .615
080808	.5000	.5000	.5000	.783	.783	.504	.504	.504	.647- .615
080810	.5000	.5000	.6250	.783	.939	.504	.504	.629	.783- .751
100410	.6250	.2500	.6250	.466	.939	.629	.253	.629	.783- .751
100412	.6250	.2500	.7500	.466	1.122	.629	.253	.754	.925- .893

TABLE 1B - DIMENSIONS EA THROUGH G (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	EA MAX	EB MAX	F MIN	FA MIN	FB MIN	G
100604	.6250	.3750	.2500	.609	.466	.629	.378	.253	.783- .751
100606	.6250	.3750	.3750	.609	.609	.629	.378	.378	.783- .751
100608	.6250	.3750	.5000	.609	.783	.629	.378	.504	.783- .751
100610	.6250	.3750	.6250	.609	.939	.629	.378	.629	.783- .751
100612	.6250	.3750	.7500	.609	1.122	.629	.378	.754	.925- .893
100806	.6250	.5000	.3750	.783	.609	.629	.504	.378	.783- .751
100808	.6250	.5000	.5000	.783	.783	.629	.504	.504	.783- .751
100810	.6250	.5000	.6250	.783	.939	.629	.504	.629	.783- .751
101004	.6250	.6250	.2500	.939	.466	.629	.629	.253	.783- .751
101006	.6250	.6250	.3750	.939	.609	.629	.629	.378	.783- .751
101008	.6250	.6250	.5000	.939	.783	.629	.629	.504	.783- .751
101010	.6250	.6250	.6250	.939	.939	.629	.629	.629	.783- .751
101012	.6250	.6250	.7500	.939	1.122	.629	.629	.754	.925- .893
101016	.6250	.6250	1.0000	.939	1.495	.629	.629	1.004	1.213-1.181
120612	.7500	.3750	.7500	.609	1.122	.754	.378	.754	.925- .893
120806	.7500	.5000	.3750	.783	.609	.754	.504	.378	.925- .893
120808	.7500	.5000	.5000	.783	.783	.754	.504	.504	.925- .893
120812	.7500	.5000	.7500	.783	1.122	.754	.504	.754	.925- .893
120816	.7500	.5000	1.0000	.783	1.495	.754	.504	1.004	1.213-1.181
121004	.7500	.6250	.2500	.939	.466	.754	.629	.253	.925- .893
121006	.7500	.6250	.3750	.939	.609	.754	.629	.378	.925- .893
121008	.7500	.6250	.5000	.939	.783	.754	.629	.504	.925- .893

TABLE 1B - DIMENSIONS EA THROUGH G (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	EA MAX	EB MAX	F MIN	FA MIN	FB MIN	G
121010	.7500	.6250	.6250	.939	.939	.754	.629	.629	.925-.893
121012	.7500	.6250	.7500	.939	1.122	.754	.629	.754	.925-.893
121016	.7500	.6250	1.0000	.939	1.495	.754	.629	1.004	1.213-1.181
121204	.7500	.7500	.2500	1.122	.466	.754	.754	.253	.925-.893
121206	.7500	.7500	.3750	1.122	.609	.754	.754	.378	.925-.893
121208	.7500	.7500	.5000	1.122	.783	.754	.754	.504	.925-.893
121210	.7500	.7500	.6250	1.122	.939	.754	.754	.629	.925-.893
121212	.7500	.7500	.7500	1.122	1.122	.754	.754	.754	.925-.893
121216	.7500	.7500	1.0000	1.122	1.495	.754	.754	1.004	1.213-1.181
160816	1.0000	.5000	1.0000	.783	1.495	1.004	.504	1.004	1.213-1.181
161008	1.0000	.6250	.5000	.939	.783	1.004	.629	.504	1.213-1.181
161016	1.0000	.6250	1.0000	.939	1.495	1.004	.629	1.004	1.213-1.181
161208	1.0000	.7500	.5000	1.122	.783	1.004	.754	.504	1.213-1.181
161210	1.0000	.7500	.6250	1.122	.939	1.004	.754	.629	1.213-1.181
161212	1.0000	.7500	.7500	1.122	1.122	1.004	.754	.754	1.213-1.181
161216	1.0000	.7500	1.0000	1.122	1.495	1.004	.754	1.004	1.213-1.181
161608	1.0000	1.0000	.5000	1.495	.783	1.004	1.004	.504	1.213-1.181
161610	1.0000	1.0000	.6250	1.495	.939	1.004	1.004	.629	1.213-1.181
161612	1.0000	1.0000	.7500	1.495	1.122	1.004	1.004	.754	1.213-1.181
161616	1.0000	1.0000	1.0000	1.495	1.495	1.004	1.004	1.004	1.213-1.181
201020	1.2500	.6250	1.2500	.939	1.758	1.255	.629	1.255	1.641-1.609
201210	1.2500	.7500	.6250	1.122	.939	1.255	.754	.629	1.641-1.609
201220	1.2500	.7500	1.2500	1.122	1.758	1.255	.754	1.255	1.641-1.609
201610	1.2500	1.0000	.6250	1.495	.939	1.255	1.004	.629	1.641-1.609
201612	1.2500	1.0000	.7500	1.495	1.122	1.255	1.004	.754	1.641-1.609
201616	1.2500	1.0000	1.0000	1.495	1.495	1.255	1.004	1.004	1.641-1.609
201620	1.2500	1.0000	1.2500	1.495	1.758	1.255	1.004	1.255	1.641-1.609
202010	1.2500	1.2500	.6250	1.758	.939	1.255	1.255	.629	1.641-1.609
202012	1.2500	1.2500	.7500	1.758	1.122	1.255	1.255	.754	1.641-1.609
202016	1.2500	1.2500	1.0000	1.758	1.495	1.255	1.255	1.004	1.641-1.609
202020	1.2500	1.2500	1.2500	1.758	1.758	1.255	1.255	1.255	1.641-1.609

TABLE 1C - DIMENSIONS J THROUGH JB

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	J /10/ TUBE DEDUCT.	JA /10/ TUBE DEDUCT.	JB /10/ TUBE DEDUCT.
040404	.2500	.2500	.2500	.353 ±.150	.353 ±.150	.353 ±.150
040406	.2500	.2500	.3750	.416 ±.150	.416 ±.150	.416 ±.150
060404	.3750	.2500	.2500	.416 ±.150	.416 ±.150	.416 ±.150
060406	.3750	.2500	.3750	.416 ±.150	.416 ±.150	.416 ±.150
060604	.3750	.3750	.2500	.416 ±.150	.416 ±.150	.416 ±.150
060606	.3750	.3750	.3750	.416 ±.150	.416 ±.150	.416 ±.150
060608	.3750	.3750	.5000	.509 ±.150	.509 ±.150	.517 ±.175
080408	.5000	.2500	.5000	.517 ±.175	.509 ±.150	.517 ±.175
080604	.5000	.3750	.2500	.517 ±.175	.509 ±.150	.509 ±.150
080606	.5000	.3750	.3750	.517 ±.175	.509 ±.150	.509 ±.150
080608	.5000	.3750	.5000	.517 ±.175	.509 ±.150	.517 ±.175
080610	.5000	.3750	.6250	.580 ±.175	.572 ±.150	.580 ±.175
080804	.5000	.5000	.2500	.517 ±.175	.517 ±.175	.509 ±.150
080806	.5000	.5000	.3750	.517 ±.175	.517 ±.175	.509 ±.150
080808	.5000	.5000	.5000	.517 ±.175	.517 ±.175	.517 ±.175
080810	.5000	.5000	.6250	.580 ±.175	.580 ±.175	.580 ±.175
100410	.6250	.2500	.6250	.580 ±.175	.572 ±.150	.580 ±.175
100412	.6250	.2500	.7500	.705 ±.175	.697 ±.150	.712 ±.175
100604	.6250	.3750	.2500	.580 ±.175	.572 ±.150	.572 ±.150
100606	.6250	.3750	.3750	.580 ±.175	.572 ±.150	.572 ±.150
100608	.6250	.3750	.5000	.580 ±.175	.572 ±.150	.580 ±.175
100610	.6250	.3750	.6250	.580 ±.175	.572 ±.150	.580 ±.175
100612	.6250	.3750	.7500	.705 ±.175	.697 ±.150	.712 ±.175
100806	.6250	.5000	.3750	.580 ±.175	.580 ±.175	.572 ±.150
100808	.6250	.5000	.5000	.580 ±.175	.580 ±.175	.580 ±.175
100810	.6250	.5000	.6250	.580 ±.175	.580 ±.175	.580 ±.175
101004	.6250	.6250	.2500	.580 ±.175	.580 ±.175	.572 ±.150
101006	.6250	.6250	.3750	.580 ±.175	.580 ±.175	.572 ±.150
101008	.6250	.6250	.5000	.580 ±.175	.580 ±.175	.580 ±.175
101010	.6250	.6250	.6250	.580 ±.175	.580 ±.175	.580 ±.175
101012	.6250	.6250	.7500	.705 ±.175	.705 ±.175	.712 ±.175
101016	.6250	.6250	1.0000	.864 ±.175	.864 ±.175	.878 ±.200
120612	.7500	.3750	.7500	.712 ±.175	.697 ±.150	.712 ±.175
120806	.7500	.5000	.3850	.712 ±.175	.705 ±.175	.697 ±.150
120808	.7500	.5000	.5000	.712 ±.175	.705 ±.175	.705 ±.175
120812	.7500	.5000	.7500	.712 ±.175	.705 ±.175	.712 ±.175
120816	.7500	.5000	1.0000	.878 ±.175	.864 ±.175	.878 ±.200
121004	.7500	.6250	.2500	.712 ±.175	.705 ±.175	.697 ±.150
121006	.7500	.6250	.3750	.712 ±.175	.705 ±.175	.697 ±.150
121008	.7500	.6250	.5000	.712 ±.175	.705 ±.175	.705 ±.175
121010	.7500	.6250	.6250	.712 ±.175	.705 ±.175	.705 ±.175
121012	.7500	.6250	.7500	.712 ±.175	.705 ±.175	.712 ±.175
121016	.7500	.6250	1.0000	.878 ±.175	.864 ±.175	.878 ±.200
121204	.7500	.7500	.2500	.712 ±.175	.712 ±.175	.697 ±.150
121206	.7500	.7500	.3750	.712 ±.175	.712 ±.175	.697 ±.150
121208	.7500	.7500	.5000	.712 ±.175	.712 ±.175	.705 ±.175
121210	.7500	.7500	.6250	.712 ±.175	.712 ±.175	.705 ±.175
121212	.7500	.7500	.7500	.712 ±.175	.712 ±.175	.712 ±.175

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TABLE 1C - DIMENSIONS J THROUGH JB (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	J /10/ TUBE DEDUCT.		JA /10/ TUBE DEDUCT.		JB /10/ TUBE DEDUCT.	
121216	.7500	.7500	1.0000	.878	±.175	.878	±.175	.878	±.200
160816	1.0000	.5000	1.0000	.878	±.200	.864	±.175	.878	±.200
161008	1.0000	.6250	.5000	.878	±.200	.864	±.175	.864	±.175
161016	1.0000	.6250	1.0000	.878	±.200	.864	±.175	.878	±.200
161208	1.0000	.7500	.5000	.878	±.200	.864	±.175	.864	±.175
161210	1.0000	.7500	.6250	.878	±.200	.878	±.175	.864	±.175
161212	1.0000	.7500	.7500	.878	±.200	.878	±.175	.878	±.175
161216	1.0000	.7500	1.0000	.878	±.200	.878	±.175	.878	±.175
161608	1.0000	1.0000	.5000	.878	±.200	.878	±.200	.864	±.175
161610	1.0000	1.0000	.6250	.878	±.200	.878	±.200	.864	±.175
161612	1.0000	1.0000	.7500	.878	±.200	.878	±.200	.878	±.175
161616	1.0000	1.0000	1.0000	.878	±.200	.878	±.200	.878	±.200
201020	1.2500	.6250	1.2500	1.009	±.200	.986	±.175	1.009	±.200
201210	1.2500	.7500	.6250	1.009	±.200	.993	±.175	.986	±.175
201220	1.2500	.7500	1.2500	1.009	±.200	.993	±.175	1.009	±.200
201610	1.2500	1.0000	.6250	1.009	±.200	1.000	±.200	.986	±.175
201612	1.2500	1.0000	.7500	1.009	±.200	1.000	±.200	.993	±.175
201616	1.2500	1.0000	1.0000	1.009	±.200	1.000	±.200	1.000	±.200
201620	1.2500	1.0000	1.2500	1.009	±.200	1.000	±.200	1.009	±.200
202010	1.2500	1.2500	.6250	1.009	±.200	1.009	±.200	.986	±.175
202012	1.2500	1.2500	.7500	1.009	±.200	1.009	±.200	.993	±.175
202016	1.2500	1.2500	1.0000	1.009	±.200	1.009	±.200	1.000	±.200
202020	1.2500	1.2500	1.2500	1.009	±.200	1.009	±.200	1.009	±.200

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TABLE 1D - DIMENSIONS M THROUGH WB

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	M MIN	P MIN	PA MIN	PB MIN	W MIN	WA MIN	WB MIN
040404	.2500	.2500	.2500	.043	.198	.198	.198	.123	.123	.123
040406	.2500	.2500	.3750	.045	.198	.198	.302	.123	.123	.153
060404	.3750	.2500	.2500	.045	.302	.198	.198	.153	.123	.123
060406	.3750	.2500	.3750	.045	.302	.198	.302	.153	.123	.153
060604	.3750	.3750	.2500	.045	.302	.302	.198	.153	.153	.123
060606	.3750	.3750	.3750	.045	.302	.302	.302	.153	.153	.153
060608	.3750	.3750	.5000	.052	.302	.302	.401	.153	.153	.165
080408	.5000	.2500	.5000	.052	.401	.198	.401	.165	.123	.165
080604	.5000	.3750	.2500	.052	.401	.302	.198	.165	.153	.123
080606	.5000	.3750	.3750	.052	.401	.302	.302	.165	.153	.153
080608	.5000	.3750	.5000	.052	.401	.302	.401	.165	.153	.165
080610	.5000	.3750	.6250	.057	.401	.302	.507	.165	.153	.140
080804	.5000	.5000	.2500	.052	.401	.401	.198	.165	.165	.123
080806	.5000	.5000	.3750	.052	.401	.401	.302	.165	.165	.153
080808	.5000	.5000	.5000	.052	.401	.401	.401	.165	.165	.165
080810	.5000	.5000	.6250	.057	.401	.401	.507	.165	.165	.140
100410	.6250	.2500	.6250	.057	.507	.198	.507	.140	.123	.140
100412	.6250	.2500	.7500	.065	.507	.198	.604	.140	.123	.154
100604	.6250	.3750	.2500	.057	.507	.302	.198	.140	.153	.123
100606	.6250	.3750	.3750	.057	.507	.302	.302	.140	.153	.153
100608	.6250	.3750	.5000	.057	.507	.302	.401	.140	.153	.165
100610	.6250	.3750	.6250	.057	.507	.302	.507	.140	.153	.140
100612	.6250	.3750	.7500	.065	.507	.302	.604	.140	.153	.154
100806	.6250	.5000	.3750	.057	.507	.401	.302	.140	.165	.153
100808	.6250	.5000	.5000	.057	.507	.401	.401	.140	.165	.165
100810	.6250	.5000	.6250	.057	.507	.401	.507	.140	.165	.140
101004	.6250	.6250	.2500	.057	.507	.507	.198	.140	.140	.123
101006	.6250	.6250	.3750	.057	.507	.507	.302	.140	.140	.153
101008	.6250	.6250	.5000	.057	.507	.507	.401	.140	.140	.165
101010	.6250	.6250	.6250	.057	.507	.507	.507	.140	.140	.140
101012	.6250	.6250	.7500	.065	.507	.507	.604	.140	.140	.154
101016	.6250	.6250	1.0000	.084	.507	.507	.802	.140	.140	.167
120612	.7500	.3750	.7500	.065	.604	.302	.604	.154	.153	.154
120806	.7500	.5000	.3750	.065	.604	.401	.302	.154	.165	.153
120808	.7500	.5000	.5000	.065	.604	.401	.401	.154	.165	.165
120812	.7500	.5000	.7500	.065	.604	.401	.604	.154	.165	.154
120816	.7500	.5000	1.0000	.084	.604	.401	.802	.154	.165	.167
121004	.7500	.6250	.2500	.065	.604	.507	.198	.154	.140	.123
121006	.7500	.6250	.3750	.065	.604	.507	.302	.154	.140	.153
121008	.7500	.6250	.5000	.065	.604	.507	.401	.154	.140	.165

TABLE 1D - DIMENSIONS M THROUGH WB (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	M MIN	P MIN	PA MIN	PB MIN	W MIN	WA MIN	WB MIN
121010	.7500	.6250	.6250	.065	.604	.507	.507	.154	.140	.140
121012	.7500	.6250	.7500	.065	.604	.507	.604	.154	.140	.154
121016	.7500	.6250	1.0000	.084	.604	.507	.802	.154	.140	.167
121204	.7500	.7500	.2500	.065	.604	.604	.198	.154	.154	.123
121206	.7500	.7500	.3750	.065	.604	.604	.302	.154	.154	.153
121208	.7500	.7500	.5000	.065	.604	.604	.401	.154	.154	.165
121210	.7500	.7500	.6250	.065	.604	.604	.507	.154	.154	.140
121212	.7500	.7500	.7500	.065	.604	.604	.604	.154	.154	.154
121216	.7500	.7500	1.0000	.084	.604	.604	.802	.154	.154	.167
160816	1.0000	.5000	1.0000	.084	.802	.401	.802	.167	.165	.167
161008	1.0000	.6250	.5000	.084	.802	.507	.401	.167	.140	.165
161016	1.0000	.6250	1.0000	.084	.802	.507	.802	.167	.140	.167
161208	1.0000	.7500	.5000	.084	.802	.604	.401	.167	.154	.165
161210	1.0000	.7500	.6250	.084	.802	.604	.507	.167	.154	.140
161212	1.0000	.7500	.7500	.084	.802	.604	.604	.167	.154	.154
161216	1.0000	.7500	1.0000	.084	.802	.604	.802	.167	.154	.167
161608	1.0000	1.0000	.5000	.084	.802	.802	.401	.167	.167	.165
161610	1.0000	1.0000	.6250	.084	.802	.507	.802	.167	.167	.140
161612	1.0000	1.0000	.7500	.084	.802	.604	.604	.167	.167	.154
161616	1.0000	1.0000	1.0000	.084	.802	.802	.802	.167	.167	.167
201020	1.2500	.6250	1.2500	.174	1.011	.507	1.011	.185	.140	.185
201210	1.2500	.7500	.6250	.174	1.011	.604	.507	.185	.154	.140
201220	1.2500	.7500	1.2500	.174	1.011	.604	1.011	.185	.154	.185
201610	1.2500	1.0000	.6250	.174	1.011	.802	.507	.185	.167	.140
201612	1.2500	1.0000	.7500	.174	1.011	.802	.604	.185	.167	.154
201616	1.2500	1.0000	1.0000	.174	1.011	.802	.802	.185	.167	.167
201620	1.2500	1.0000	1.2500	.174	1.011	.802	1.011	.185	.167	.185
202010	1.2500	1.2500	.6250	.174	1.011	1.011	.507	.185	.185	.140
202012	1.2500	1.2500	.7500	.174	1.011	1.011	.604	.185	.185	.154
202016	1.2500	1.2500	1.0000	.174	1.011	1.011	.802	.185	.185	.167
202020	1.2500	1.2500	1.2500	.174	1.011	1.011	1.011	.185	.185	.185

TABLE 1E - DIMENSIONS W1 THROUGH W2B

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W1 MAX	W1A MAX	W1B MAX	W2 ±.0015	W2A ±.0015	W2B ±.0015
040404	.2500	.2500	.2500	.488	.488	.488	.3005	.3005	.3005
040406	.2500	.2500	.3750	.488	.488	.675	.3005	.3005	.4475
060404	.3750	.2500	.2500	.675	.488	.488	.4475	.3005	.3005
060406	.3750	.2500	.3750	.675	.488	.675	.4475	.3005	.4475
060604	.3750	.3750	.2500	.675	.675	.488	.4475	.4475	.3005
060606	.3750	.3750	.3750	.675	.675	.675	.4475	.4475	.4475
060608	.3750	.3750	.5000	.675	.675	.871	.4475	.4475	.5945
080408	.5000	.2500	.5000	.871	.488	.871	.5945	.3005	.5945
080604	.5000	.3750	.2500	.871	.675	.488	.5945	.4475	.3005
080606	.6250	.3750	.3750	.871	.675	.675	.5945	.4475	.4475
080608	.5000	.3750	.5000	.871	.675	.871	.5945	.4475	.5945
080610	.5000	.3750	.6250	.871	.675	1.190	.5945	.4475	.7365

TABLE 1E - DIMENSIONS W1 THROUGH W2B (CONTINUED)

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W1 MAX	W1A MAX	W1B MAX	W2 ±.0015	W2A ±.0015	W2B ±.0015
080804	.5000	.5000	.2500	.871	.871	.488	.5945	.5945	.3005
080806	.5000	.5000	.3750	.871	.871	.675	.5945	.5945	.4475
080808	.5000	.5000	.5000	.871	.871	.871	.5945	.5945	.5945
080810	.5000	.5000	.6250	.871	.871	1.190	.5945	.5945	.7365
100410	.6250	.2500	.6250	1.190	.488	1.190	.7365	.3005	.7365
100412	.6250	.2500	.7500	1.190	.488	1.327	.7365	.3005	.8805
100604	.6250	.3750	.2500	1.190	.675	.488	.7365	.4475	.3005
100606	.6250	.3750	.3750	1.190	.675	.675	.7365	.4475	.4475
100608	.6250	.3750	.5000	1.190	.675	.871	.7365	.4475	.5945
100610	.6250	.3750	.6250	1.190	.675	1.190	.7365	.4475	.7365
100612	.6250	.3750	.7500	1.190	.675	1.327	.7365	.4475	.8805
100806	.6250	.5000	.3750	1.190	.871	.675	.7365	.5945	.4475
100808	.6250	.5000	.5000	1.190	.871	.871	.7365	.5945	.5945
100810	.6250	.5000	.6250	1.190	.871	1.190	.7365	.5945	.7365
101004	.6250	.6250	.2500	1.190	1.190	.488	.7365	.7365	.3005
101006	.6250	.6250	.3750	1.190	1.190	.675	.7365	.7365	.4475
101008	.6250	.6250	.5000	1.190	1.190	.871	.7365	.7365	.5945
101010	.6250	.6250	.6250	1.190	1.190	1.190	.7365	.7365	.7365
101012	.6250	.6250	.7500	1.190	1.190	1.327	.7365	.7365	.8805
101016	.6250	.6250	1.0000	1.190	1.190	1.612	.7365	.7365	1.1725
120612	.7500	.3750	.7500	1.327	.675	1.327	.8805	.4475	.8805
120806	.7500	.5000	.3750	1.327	.871	.675	.8805	.5945	.4475
120808	.7500	.5000	.5000	1.327	.871	.871	.8805	.5945	.5945
120812	.7500	.5000	.7500	1.327	.871	1.327	.8805	.5945	.8805
120816	.7500	.5000	1.0000	1.327	.871	1.612	.8805	.5945	1.1725
121004	.7500	.6250	.2500	1.327	1.190	.488	.8805	.7365	.3005
121006	.7500	.6250	.3750	1.327	1.190	.675	.8805	.7365	.4475
121008	.7500	.6250	.5000	1.327	1.190	.871	.8805	.7365	.5945
121010	.7500	.6250	.6250	1.327	1.190	1.190	.8805	.7365	.7365
121012	.7500	.6250	.7500	1.327	1.190	1.327	.8805	.7365	.8805
121016	.7500	.6250	1.0000	1.327	1.190	1.612	.8805	.7365	1.1725
121204	.7500	.7500	.2500	1.327	1.327	.488	.8805	.8805	.3005
121206	.7500	.7500	.3750	1.327	1.327	.675	.8805	.8805	.4475
121208	.7500	.7500	.5000	1.327	1.327	.871	.8805	.8805	.5945
121210	.7500	.7500	.6250	1.327	1.327	1.190	.8805	.8805	.7365
121212	.7500	.7500	.7500	1.327	1.327	1.327	.8805	.8805	.8805
121216	.7500	.7500	1.0000	1.327	1.327	1.612	.8805	.8805	1.1725
160816	1.0000	.5000	1.0000	1.612	.871	1.612	1.1725	.5945	1.1725
161008	1.0000	.6250	.5000	1.612	1.190	.871	1.1725	.7365	.5945
161016	1.0000	.6250	1.0000	1.612	1.190	1.612	1.1725	.7365	1.1725
161208	1.0000	.7500	.5000	1.612	1.327	.871	1.1725	.8805	.5945
161210	1.0000	.7500	.6250	1.612	1.327	1.190	1.1725	.8805	.7365
161212	1.0000	.7500	.7500	1.612	1.327	1.327	1.1725	.8805	.8805
161216	1.0000	.7500	1.0000	1.612	1.327	1.612	1.1725	.8805	1.1725
161608	1.0000	1.0000	.5000	1.612	1.612	.871	1.1725	1.1725	.5945
161610	1.0000	1.0000	.6250	1.612	1.612	1.190	1.1725	1.1725	.7365
161612	1.0000	1.0000	.7500	1.612	1.612	1.327	1.1725	1.1725	.8805
161616	1.0000	1.0000	1.0000	1.612	1.612	1.612	1.1725	1.1725	1.1725

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TABLE 1E - DIMENSIONS W1 THROUGH W2B (CONTINUED)

BASIC NO. AS5972/13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W1 MAX	W1A MAX	W1B MAX	W2 ±.0015	W2A ±.0015	W2B ±.0015
201020	1.2500	.6250	1.2500	1.886	1.190	1.886	1.4345	.7365	1.4345
201210	1.2500	.7500	.6250	1.886	1.327	1.190	1.4345	.8805	.7365
201220	1.2500	.7500	1.2500	1.886	1.327	1.886	1.4345	.8805	1.4345
201610	1.2500	1.0000	.6250	1.886	1.612	1.190	1.4345	1.1725	.7365
201612	1.2500	1.0000	.7500	1.886	1.612	1.327	1.4345	1.1725	.8805
201616	1.2500	1.0000	1.0000	1.886	1.612	1.612	1.4345	1.1725	1.1725
201620	1.2500	1.0000	1.2500	1.886	1.612	1.886	1.4345	1.1725	1.4345
202010	1.2500	1.2500	.6250	1.886	1.886	1.190	1.4345	1.4345	.7365
202012	1.2500	1.2500	.7500	1.886	1.886	1.327	1.4345	1.4345	.8805
202016	1.2500	1.2500	1.0000	1.886	1.886	1.612	1.4345	1.4345	1.1725
202020	1.2500	1.2500	1.2500	1.886	1.886	1.886	1.4345	1.4345	1.4345

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TABLE 1F - DIMENSIONS W3 THROUGH W4B AND WEIGHT

BASIC NO. AS5972 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W3 MAX	W3A MAX	W3B MAX	W4 MAX	W4A MAX	W4B MAX	WEIGHT LB/EA APPROX. REF.
040404	.2500	.2500	.2500	.018	.018	.018	.065	.065	.065	.027
040406	.2500	.2500	.3750	.018	.018	.033	.065	.065	.065	.045
060404	.3750	.2500	.2500	.033	.018	.018	.065	.065	.065	.045
060406	.3750	.2500	.3750	.033	.018	.033	.065	.065	.065	.051
060604	.3750	.3750	.2500	.033	.033	.018	.065	.065	.065	.051
060606	.3750	.3750	.3750	.033	.033	.033	.065	.065	.065	.062
060608	.3750	.3750	.5000	.033	.033	.033	.065	.065	.129	.095
080408	.5000	.2500	.5000	.033	.018	.033	.129	.065	.129	.095
080604	.5000	.3750	.2500	.033	.033	.018	.129	.065	.065	.084
080606	.6250	.3750	.3750	.033	.033	.033	.129	.065	.065	.095
080608	.5000	.3750	.5000	.033	.033	.033	.129	.065	.129	.112
080610	.5000	.3750	.6250	.033	.033	.021	.129	.065	.078	.135
080804	.5000	.5000	.2500	.033	.033	.018	.129	.129	.065	.100
080806	.5000	.5000	.3750	.033	.033	.033	.129	.129	.065	.112
080808	.5000	.5000	.5000	.033	.033	.033	.129	.129	.129	.125
080810	.5000	.5000	.6250	.033	.033	.021	.129	.129	.078	.165
100410	.6250	.2500	.6250	.021	.018	.021	.078	.065	.078	.155
100412	.6250	.2500	.7500	.021	.018	.024	.078	.065	.089	.222
100604	.6250	.3750	.2500	.021	.033	.018	.078	.065	.065	.136
100606	.6250	.3750	.3750	.021	.033	.033	.078	.065	.065	.144
100608	.6250	.3750	.5000	.021	.033	.033	.078	.065	.129	.150
100610	.6250	.3750	.6250	.021	.033	.021	.078	.065	.079	.155
100612	.6250	.3750	.7500	.021	.033	.024	.078	.065	.089	.231
100806	.6250	.5000	.3750	.021	.033	.033	.078	.129	.065	.147
100808	.6250	.5000	.5000	.021	.033	.033	.078	.129	.129	.165
100810	.6250	.5000	.6250	.021	.033	.021	.078	.129	.078	.184
101004	.6250	.6250	.2500	.021	.021	.018	.078	.078	.065	.191
101006	.6250	.6250	.3750	.021	.021	.033	.078	.078	.065	.175
101008	.6250	.6250	.5000	.021	.021	.033	.078	.078	.129	.184
101010	.6250	.6250	.6250	.021	.021	.021	.078	.078	.078	.203
101012	.6250	.6250	.7500	.021	.021	.024	.078	.078	.089	.269
101016	.6250	.6250	1.0000	.021	.021	.027	.078	.078	.099	.500
120612	.7500	.3750	.7500	.024	.033	.024	.089	.065	.089	.266
120806	.7500	.5000	.3750	.024	.033	.033	.089	.129	.065	.226
120808	.7500	.5000	.5000	.024	.033	.033	.089	.129	.129	.245
120812	.7500	.5000	.7500	.024	.033	.024	.089	.129	.089	.282
120816	.7500	.5000	1.0000	.024	.033	.027	.089	.129	.099	.489
121004	.7500	.6250	.2500	.024	.021	.018	.089	.078	.065	.239
121006	.7500	.6250	.3750	.024	.021	.033	.089	.078	.065	.245
121008	.7500	.6250	.5000	.024	.021	.033	.089	.078	.129	.251