

TABLE 1A - DIMENSIONS A THROUGH D1

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	A MAX	A1 MAX	B MAX	B1 MAX	C MAX	C1 MAX	D MAX	D1 MAX
04040404	.2500	.2500	.2500	.2500	.935	.848	.935	.848	.935	.848	.935	.848
06040404	.3750	.2500	.2500	.2500	1.215	1.099	.998	.911	.998	.911	.998	.911
06060404	.3750	.3750	.2500	.2500	1.215	1.099	1.215	1.099	.998	.911	.998	.911
06040604	.3750	.2500	.3750	.2500	1.215	1.099	.998	.911	1.215	1.099	.998	.911
06060604	.3750	.3750	.3750	.2500	1.215	1.099	1.215	1.099	1.215	1.099	.998	.911
06060606	.3750	.3750	.3750	.3750	1.215	1.099	1.215	1.099	1.215	1.099	1.215	1.099
08060606	.5000	.3750	.3750	.3750	1.516	1.370	1.308	1.192	1.308	1.192	1.308	1.192
08080606	.5000	.5000	.3750	.3750	1.516	1.370	1.516	1.370	1.308	1.192	1.308	1.192
08060806	.5000	.3750	.5000	.3750	1.516	1.370	1.308	1.192	1.516	1.370	1.308	1.192
08080806	.5000	.5000	.5000	.3750	1.516	1.370	1.516	1.370	1.516	1.370	1.308	1.192
08080808	.5000	.5000	.5000	.5000	1.516	1.370	1.516	1.370	1.516	1.370	1.516	1.370
10080808	.6250	.5000	.5000	.5000	1.873	1.669	1.579	1.433	1.579	1.433	1.579	1.433
10100808	.6250	.6250	.5000	.5000	1.873	1.669	1.873	1.669	1.579	1.433	1.579	1.433
10081008	.6250	.5000	.6250	.5000	1.873	1.669	1.579	1.433	1.873	1.669	1.579	1.433
10101008	.6250	.6250	.6250	.5000	1.873	1.669	1.873	1.669	1.873	1.669	1.579	1.433
10101010	.6250	.6250	.6250	.6250	1.873	1.669	1.873	1.669	1.873	1.669	1.873	1.669
12101010	.7500	.6250	.6250	.6250	2.149	1.944	1.998	1.794	1.998	1.794	1.998	1.794
12121010	.7500	.7500	.6250	.6250	2.149	1.944	2.149	1.944	1.998	1.794	1.998	1.794
12101210	.7500	.6250	.7500	.6250	2.149	1.944	1.998	1.794	2.149	1.944	1.998	1.794
12121210	.7500	.7500	.7500	.6250	2.149	1.944	2.149	1.944	2.149	1.944	1.998	1.794
12121212	.7500	.7500	.7500	.7500	2.149	1.944	2.149	1.944	2.149	1.944	2.149	1.944
16121212	1.0000	.7500	.7500	.7500	2.606	2.392	2.308	2.103	2.308	2.103	2.308	2.103
16161212	1.0000	1.0000	.7500	.7500	2.606	2.392	2.606	2.392	2.308	2.103	2.308	2.103
16121612	1.0000	.7500	1.0000	.7500	2.606	2.392	2.308	2.103	2.606	2.392	2.308	2.103
16161612	1.0000	1.0000	1.0000	.7500	2.606	2.392	2.606	2.392	2.608	2.392	2.308	2.103
16161616	1.0000	1.0000	1.0000	1.0000	2.606	2.392	2.606	2.392	2.606	2.392	2.606	2.392
20202020	1.2500	1.2500	1.2500	1.2500	3.020	2.796	3.020	2.796	3.020	2.796	3.020	2.796

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TABLE 1B - DIMENSIONS E THROUGH FC

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	E MAX	EA MAX	EB MAX	EC MAX	F MIN	FA MIN	FB MIN	FC MIN
04040404	.2500	.2500	.2500	.2500	.466	.466	.466	.466	.253	.253	.253	.253
06040404	.3750	.2500	.2500	.2500	.609	.466	.466	.466	.378	.253	.253	.253
06060404	.3750	.3750	.2500	.2500	.609	.609	.466	.466	.378	.378	.253	.253
06040604	.3750	.2500	.3750	.2500	.609	.466	.609	.466	.378	.253	.378	.253
06060604	.3750	.3750	.3750	.2500	.609	.609	.609	.466	.378	.378	.378	.253
06060606	.3750	.3750	.3750	.3750	.609	.609	.609	.609	.378	.378	.378	.378
08060606	.5000	.3750	.3750	.3750	.783	.609	.609	.609	.504	.378	.378	.378
08080606	.5000	.5000	.3750	.3750	.783	.783	.609	.609	.504	.504	.378	.378
08060806	.5000	.3750	.5000	.3750	.783	.609	.783	.609	.504	.378	.504	.378
08080806	.5000	.5000	.5000	.3750	.783	.783	.783	.609	.504	.504	.504	.378
08080808	.5000	.5000	.5000	.5000	.783	.783	.783	.783	.504	.504	.504	.504
10080808	.6250	.5000	.5000	.5000	.939	.783	.783	.783	.629	.504	.504	.504
10100808	.6250	.6250	.5000	.5000	.939	.939	.783	.783	.629	.629	.504	.504
10081008	.6250	.5000	.6250	.5000	.939	.783	.939	.783	.629	.504	.629	.504
10101008	.6250	.6250	.6250	.5000	.939	.939	.939	.783	.629	.629	.629	.504
10101010	.6250	.6250	.6250	.6250	.939	.939	.939	.939	.629	.629	.629	.629
12101010	.7500	.6250	.6250	.6250	1.122	.939	.939	.939	.754	.629	.629	.629
12121010	.7500	.7500	.6250	.6250	1.122	1.122	.939	.939	.754	.754	.629	.629
12101210	.7500	.6250	.7500	.6250	1.122	.939	1.122	.939	.754	.629	.754	.629
12121210	.7500	.7500	.7500	.6250	1.122	1.122	1.122	.939	.754	.754	.754	.629
12121212	.7500	.7500	.7500	.7500	1.122	1.122	1.122	1.122	.754	.754	.754	.754
16121212	1.0000	.7500	.7500	.7500	1.495	1.122	1.122	1.122	1.004	.754	.754	.754
16161212	1.0000	1.0000	.7500	.7500	1.495	1.495	1.122	1.122	1.004	1.004	.754	.754
16121612	1.0000	.7500	1.0000	.7500	1.495	1.122	1.495	1.122	1.004	.754	1.004	.754
16161612	1.0000	1.0000	1.0000	.7500	1.495	1.495	1.495	1.122	1.004	1.004	1.004	.754
16161616	1.0000	1.0000	1.0000	1.0000	1.495	1.495	1.495	1.495	1.004	1.004	1.004	1.004
20202020	1.2500	1.2500	1.2500	1.2500	1.758	1.758	1.758	1.758	1.255	1.255	1.255	1.255

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TABLE 1C - DIMENSIONS G THROUGH JC

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	G	J /11/ TUBE DEDUCT	JA /11/ TUBE DEDUCT	JB /11/ TUBE DEDUCT	JC /11/ TUBE DEDUCT
04040404	.2500	.2500	.2500	.2500	.348- .380	.353 ±.150	.353 ±.150	.353 ±.150	.353 ±.150
06040404	.3750	.2500	.2500	.2500	.477- .509	.416 ±.150	.416 ±.150	.416 ±.150	.416 ±.150
06060404	.3750	.3750	.2500	.2500	.477- .509	.416 ±.150	.416 ±.150	.416 ±.150	.416 ±.150
06040604	.3750	.2500	.3750	.2500	.477- .509	.416 ±.150	.416 ±.150	.416 ±.150	.416 ±.150
06060604	.3750	.3750	.3750	.2500	.477- .509	.416 ±.150	.416 ±.150	.416 ±.150	.416 ±.150
06060606	.3750	.3750	.3750	.3750	.477- .509	.416 ±.150	.416 ±.150	.416 ±.150	.416 ±.150
08060606	.5000	.3750	.3750	.3750	.615- .647	.517 ±.175	.509 ±.150	.509 ±.150	.509 ±.150
08080606	.5000	.5000	.3750	.3750	.615- .647	.517 ±.175	.517 ±.175	.509 ±.150	.509 ±.150
08060806	.5000	.3750	.5000	.3750	.615- .647	.517 ±.175	.509 ±.150	.517 ±.175	.509 ±.150
08080806	.5000	.5000	.5000	.3750	.615- .647	.517 ±.175	.517 ±.175	.517 ±.175	.509 ±.150
08080808	.5000	.5000	.5000	.5000	.615- .647	.517 ±.175	.517 ±.175	.517 ±.175	.517 ±.175
10080808	.6250	.5000	.5000	.5000	.751- .783	.580 ±.175	.580 ±.175	.580 ±.175	.580 ±.175
10100808	.6250	.6250	.5000	.5000	.751- .783	.580 ±.175	.580 ±.175	.580 ±.175	.580 ±.175
10081008	.6250	.5000	.6250	.5000	.751- .783	.580 ±.175	.580 ±.175	.580 ±.175	.580 ±.175
10101008	.6250	.6250	.6250	.5000	.751- .783	.580 ±.175	.580 ±.175	.580 ±.175	.580 ±.175
10101010	.6250	.6250	.6250	.6250	.751- .783	.580 ±.175	.580 ±.175	.580 ±.175	.580 ±.175
12101010	.7500	.6250	.6250	.6250	.893- .925	.712 ±.175	.705 ±.175	.705 ±.175	.705 ±.175
12121010	.7500	.7500	.6250	.6250	.893- .925	.712 ±.175	.712 ±.175	.705 ±.175	.705 ±.175
12101210	.7500	.6250	.7500	.6250	.893- .925	.712 ±.175	.705 ±.175	.712 ±.175	.705 ±.175
12121210	.7500	.7500	.7500	.6250	.893- .925	.712 ±.175	.712 ±.175	.712 ±.175	.705 ±.175
12121212	.7500	.7500	.7500	.7500	.893- .925	.712 ±.175	.712 ±.175	.712 ±.175	.712 ±.175
16121212	1.0000	.7500	.7500	.7500	1.181-1.213	.878 ±.200	.871 ±.175	.871 ±.175	.871 ±.175
16161212	1.0000	1.0000	.7500	.7500	1.181-1.213	.878 ±.200	.878 ±.200	.871 ±.175	.871 ±.175
16121612	1.0000	.7500	1.0000	.7500	1.181-1.213	.878 ±.200	.871 ±.175	.878 ±.200	.871 ±.175
16161612	1.0000	1.0000	1.0000	.7500	1.181-1.213	.878 ±.200	.878 ±.200	.878 ±.200	.871 ±.175
16161616	1.0000	1.0000	1.0000	1.0000	1.181-1.213	.878 ±.200	.878 ±.200	.878 ±.200	.878 ±.200
20202020	1.2500	1.2500	1.2500	1.2500	1.609-1.641	1.009 ±.200	1.009 ±.200	1.009 ±.200	1.009 ±.200

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TABLE 1D - DIMENSIONS M THROUGH WC

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	M MIN	P MIN	PA MIN	PB MIN	PC MIN	W MIN	WA MIN	WB MIN	WC MIN
04040404	.2500	.2500	.2500	.2500	.043	.198	.198	.198	.198	.123	.123	.123	.123
06040404	.3750	.2500	.2500	.2500	.045	.302	.198	.198	.198	.153	.123	.123	.123
06060404	.3750	.3750	.2500	.2500	.045	.302	.302	.198	.198	.153	.153	.123	.123
06040604	.3750	.2500	.3750	.2500	.045	.302	.198	.302	.198	.153	.123	.153	.123
06060604	.3750	.3750	.3750	.2500	.045	.302	.302	.302	.198	.153	.153	.153	.123
06060606	.3750	.3750	.3750	.3750	.045	.302	.302	.302	.302	.153	.153	.153	.153
08060606	.5000	.3750	.3750	.3750	.052	.401	.302	.302	.302	.165	.153	.153	.153
08080606	.5000	.5000	.3750	.3750	.052	.401	.401	.302	.302	.165	.165	.153	.153
08060806	.5000	.3750	.5000	.3750	.052	.401	.302	.401	.302	.165	.153	.165	.153
08080806	.5000	.5000	.5000	.3750	.052	.401	.401	.401	.302	.165	.165	.165	.153
08080808	.5000	.5000	.5000	.5000	.052	.401	.401	.401	.401	.165	.165	.165	.165
10080808	.6250	.5000	.5000	.5000	.057	.507	.401	.401	.401	.140	.165	.165	.165
10100808	.6250	.6250	.5000	.5000	.057	.507	.507	.401	.401	.140	.140	.165	.165
10081008	.6250	.5000	.6250	.5000	.057	.507	.401	.507	.401	.140	.165	.140	.165
10101008	.6250	.6250	.6250	.5000	.057	.507	.507	.507	.401	.140	.140	.140	.165
10101010	.6250	.6250	.6250	.6250	.057	.507	.507	.507	.507	.140	.140	.140	.140
12101010	.7500	.6250	.6250	.6250	.065	.604	.507	.507	.507	.154	.140	.140	.140
12121010	.7500	.7500	.6250	.6250	.065	.604	.604	.507	.507	.154	.154	.140	.140
12101210	.7500	.6250	.7500	.6250	.065	.604	.507	.604	.507	.154	.140	.154	.140
12121210	.7500	.7500	.7500	.6250	.065	.604	.604	.604	.507	.154	.154	.154	.140
12121212	.7500	.7500	.7500	.7500	.065	.604	.604	.604	.604	.154	.154	.154	.154
16121212	1.0000	.7500	.7500	.7500	.084	.802	.604	.604	.604	.167	.154	.154	.154
16161212	1.0000	1.0000	.7500	.7500	.084	.802	.802	.604	.604	.167	.167	.154	.154
16121612	1.0000	.7500	1.0000	.7500	.084	.802	.604	.802	.604	.167	.154	.167	.154
16161612	1.0000	1.0000	1.0000	.7500	.084	.802	.802	.802	.604	.167	.167	.167	.154
16161616	1.0000	1.0000	1.0000	1.0000	.084	.802	.802	.802	.802	.167	.167	.167	.167
20202020	1.2500	1.2500	1.2500	1.2500	.174	1.011	1.011	1.011	1.011	.185	.185	.185	.185

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TABLE 1E - DIMENSIONS W1 THROUGH W2C

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	W1 MAX	W1A MAX	W1B MAX	W1C MAX	W2 ±.0015	W2A ±.0015	W2B ±.0015	W2C ±.0015
04040404	.2500	.2500	.2500	.2500	.488	.488	.488	.488	.3005	.3005	.3005	.3005
06040404	.3750	.2500	.2500	.2500	.675	.488	.488	.488	.4475	.3005	.3005	.3005
06060404	.3750	.3750	.2500	.2500	.675	.675	.488	.488	.4475	.4475	.3005	.3005
06040604	.3750	.2500	.3750	.2500	.675	.488	.675	.488	.4475	.3005	.4475	.3005
06060604	.3750	.3750	.3750	.2500	.675	.675	.675	.488	.4475	.4475	.4475	.3005
06060606	.3750	.3750	.3750	.3750	.675	.675	.675	.675	.4475	.4475	.4475	.4475
08060606	.5000	.3750	.3750	.3750	.871	.675	.675	.675	.5945	.4475	.4475	.4475
08080606	.5000	.5000	.3750	.3750	.871	.871	.675	.675	.5945	.5945	.4475	.4475
08060806	.5000	.3750	.5000	.3750	.871	.675	.871	.675	.5945	.4475	.5945	.4475
08080806	.5000	.5000	.5000	.3750	.871	.871	.871	.675	.5945	.5945	.5945	.4475
08080808	.5000	.5000	.5000	.5000	.871	.871	.871	.871	.5945	.5945	.5945	.5945
10080808	.6250	.5000	.5000	.5000	1.190	.871	.871	.871	.7365	.5945	.5945	.5945
10100808	.6250	.6250	.5000	.5000	1.190	1.190	.871	.871	.7365	.7365	.5945	.5945
10081008	.6250	.5000	.6250	.5000	1.190	.871	1.190	.871	.7365	.5945	.7365	.5945
10101008	.6250	.6250	.6250	.5000	1.190	1.190	1.190	.871	.7365	.7365	.7365	.5945
10101010	.6250	.6250	.6250	.6250	1.190	1.190	1.190	1.190	.7365	.7365	.7365	.7365
12101010	.7500	.6250	.6250	.6250	1.327	1.190	1.190	1.190	.8805	.7365	.7365	.7365
12121010	.7500	.7500	.6250	.6250	1.327	1.327	1.190	1.190	.8805	.8805	.7365	.7365
12101210	.7500	.6250	.7500	.6250	1.327	1.190	1.327	1.190	.8805	.7365	.8805	.7365
12121210	.7500	.7500	.7500	.6250	1.327	1.327	1.327	1.190	.8805	.8805	.8805	.7365
12121212	.7500	.7500	.7500	.7500	1.327	1.327	1.327	1.327	.8805	.8805	.8805	.8805
16121212	1.0000	.7500	.7500	.7500	1.612	1.327	1.327	1.327	1.1725	.8805	.8805	.8805
16161212	1.0000	1.0000	.7500	.7500	1.612	1.612	1.327	1.327	1.1725	1.1725	.8805	.8805
16121612	1.0000	.7500	1.0000	.7500	1.612	1.327	1.612	1.327	1.1725	.8805	1.1725	.8805
16161612	1.0000	1.0000	1.0000	.7500	1.612	1.612	1.612	1.327	1.1725	1.1725	1.1725	.8805
16161616	1.0000	1.0000	1.0000	1.0000	1.612	1.612	1.612	1.612	1.1725	1.1725	1.1725	1.1725
20202020	1.2500	1.2500	1.2500	1.2500	1.886	1.886	1.886	1.886	1.4345	1.4345	1.4345	1.4345

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TABLE 1F - DIMENSIONS W3 THROUGH W4C AND WEIGHTS

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	W3 MAX	W3A MAX	W3B MAX	W3C MAX	W4 MAX	W4A MAX	W4B MAX	W4C MAX	WEIGHT LB/EA APPROX REF
04040404	.2500	.2500	.2500	.2500	.018	.018	.018	.018	.065	.065	.065	.065	.035
06040404	.3750	.2500	.2500	.2500	.033	.018	.018	.018	.065	.065	.065	.065	.058
06060404	.3750	.3750	.2500	.2500	.033	.033	.018	.018	.065	.065	.065	.065	.058
06040604	.3750	.2500	.3750	.2500	.033	.018	.033	.018	.065	.065	.065	.065	.058
06060604	.3750	.3750	.3750	.2500	.033	.033	.033	.018	.065	.065	.065	.065	.067
06060606	.3750	.3750	.3750	.3750	.033	.033	.033	.033	.065	.065	.065	.065	.076
08060606	.5000	.3750	.3750	.3750	.033	.033	.033	.033	.129	.065	.065	.065	.108
08080606	.5000	.5000	.3750	.3750	.033	.033	.033	.033	.129	.129	.065	.065	.124
08060806	.5000	.3750	.5000	.3750	.033	.033	.033	.033	.129	.065	.129	.065	.124
08080806	.5000	.5000	.5000	.3750	.033	.033	.033	.033	.129	.129	.129	.065	.140
08080808	.5000	.5000	.5000	.5000	.033	.033	.033	.033	.129	.129	.129	.129	.156
10080808	.6250	.5000	.5000	.5000	.021	.033	.033	.033	.078	.129	.129	.129	.200
10100808	.6250	.6250	.5000	.5000	.021	.021	.033	.033	.078	.078	.129	.129	.211
10081008	.6250	.5000	.6250	.5000	.021	.033	.021	.033	.078	.129	.078	.129	.211
10101008	.6250	.6250	.6250	.5000	.021	.021	.021	.033	.078	.078	.078	.129	.230
10101010	.6250	.6250	.6250	.6250	.021	.021	.021	.021	.078	.078	.078	.078	.249
12101010	.7500	.6250	.6250	.6250	.024	.021	.021	.021	.089	.078	.078	.078	.330
12121010	.7500	.7500	.6250	.6250	.024	.024	.021	.021	.089	.089	.078	.078	.354
12101210	.7500	.6250	.7500	.6250	.024	.021	.024	.021	.089	.078	.089	.078	.344
12121210	.7500	.7500	.7500	.6250	.024	.024	.024	.021	.089	.089	.089	.078	.376
12121212	.7500	.7500	.7500	.7500	.024	.024	.024	.024	.089	.089	.089	.089	.408
16121212	1.0000	.7500	.7500	.7500	.027	.024	.024	.024	.099	.089	.089	.089	.634
16161212	1.0000	1.0000	.7500	.7500	.027	.027	.024	.024	.099	.099	.089	.089	.719
16121612	1.0000	.7500	1.0000	.7500	.027	.024	.027	.024	.099	.089	.099	.089	.694
16161612	1.0000	1.0000	1.0000	.7500	.027	.027	.027	.024	.099	.099	.099	.089	.784
16161616	1.0000	1.0000	1.0000	1.0000	.027	.027	.027	.027	.099	.099	.099	.099	.869
20202020	1.2500	1.2500	1.2500	1.2500	.030	.030	.030	.030	.113	.113	.113	.113	1.367

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