

Fins Per Inch	Standard size		Plain section dimensions and tolerances						Finned section dimensions		Outside area	Surface area ratio	Inner diameter cross sectional area	Available alloy and approx. wt. of finned section (kg)				
	Outside diameter	Wall thickness	Outside diameter	Outside diameter tolerance(±)		Wall thickness	Wall thickness tolerance(±)		Carbon and low alloy steel	Wall(min) thickness	(Average) m²/m × 10²	Outside surface / Inside surface	(Average) m²/m × 10⁻¹	90-10 Copper - Nickel	70- 30 Copper - Nickel	Admiralty Brass	Carbon steel alloy steel	
	Dt	Fw	Dt	Copper alloy	Carbon and alloy steel	Tw	Copper alloy	Carbon and alloy steel	Dr	Fw								
19	15.88(5/8)	0.71	15.88	0.08	0.10	1.24	0.08	-	12.7	0.64	12.34	3.48	1.00	0.46	-	-	-	
		0.89				1.32	0.08	-		0.79		3.60	0.94	0.49	-	-	-	
		1.07				1.47	0.10	-		0.94		3.72	0.88	0.55	-	-	-	
		1.24				1.65	0.10	0.17		1.12		3.85	0.82	0.61	0.61	0.56	0.53	
		1.65				2.11	0.10	0.21		1.47		4.18	0.70	0.77	0.77	0.72	0.67	
	19.05(3/4)	0.71	19.05	0.08	0.10	1.24	0.09	-	15.88	0.64	15.12	3.33	1.64	0.55	-	-	-	
		0.89				1.32	0.09	-		0.79		3.41	1.56	0.59	-	-	-	
		1.07				1.47	0.10	0.17		0.94		3.50	1.48	0.66	-	-	-	
		1.24				1.65	0.10	0.21		1.12		3.60	1.41	0.74	0.74	0.69	0.65	
		1.65				2.11	0.13	0.24		1.47		3.84	1.24	0.93	0.93	0.86	0.81	
		2.11				2.41	0.13	0.26		1.88		4.13	1.07	1.06	1.06	0.99	0.93	
		2.41				2.77	-	-		2.13		4.35	0.96	-	-	-	1.05	
	22.23(7/8)	0.89	22.23	0.08	0.10	1.37	0.09	0.09	19.05	0.79	17.92	3.30	2.34	0.73	-	-	-	
		1.07				1.47	0.10	0.10		0.94		3.37	2.25	0.75	-	-	-	
		1.24				1.65	0.10	0.10		1.12		3.44	2.15	0.88	-	-	-	
		1.65				2.11	0.13	0.13		1.47		3.62	1.95	1.10	1.10	1.02	0.96	
		2.11				2.41	0.13	0.13		1.88		3.85	1.73	1.26	1.26	1.17	1.10	
	25.4(1)	1.07	25.4	0.08	0.15	1.47	0.10	0.10	22.23	0.94	20.67	3.27	3.17	0.91	-	-	-	
		1.24				1.65	0.10	0.10		1.12		3.33	3.06	1.02	-	-	-	
		1.65				2.11	0.13	0.13		1.47		3.48	2.81	1.27	1.27	1.18	1.11	
		2.11				2.41	0.13	0.13		1.88		3.65	2.55	1.47	1.47	1.37	1.29	
		2.41				2.77	-	-		2.11		3.83	2.38	-	-	-	1.45	
		2.77				3.05	-	-		2.46		3.98	2.19	-	-	-	1.60	
26	15.88(5/8)	0.59	15.88	0.08	-	1.19	0.08	0.08	12.7	0.51	15.66	4.33	1.04	-	-	-	-	
		0.64				1.24	0.08	0.08		0.56		4.37	0.02	0.46	-	-	-	
		0.71				1.32	0.08	0.08		0.64		4.42	1.00	0.49	-	-	-	
		0.89				1.40	0.10	0.10		0.79		4.56	0.94	0.52	-	-	-	
	19.05(3/4)	0.59	19.05	0.08	0.10	1.19	0.09	0.09	15.88	0.51	19.20	4.16	1.70	-	-	-	-	
		0.64				1.24	0.09	0.09		0.56		4.19	1.67	-	-	-	-	
		0.71				1.32	0.09	0.09		0.64		4.23	1.64	0.59	-	-	-	
		0.89				1.40	0.10	0.10		0.79		4.33	1.56	0.62	-	-	-	
		1.07				1.57	0.10	0.10		0.94		4.45	1.48	0.70	-	-	0.61	
		1.24				1.75	0.10	0.10		1.12		4.56	1.41	0.78	0.78	-	0.68	
		1.47				2.00	0.13	0.13		1.24		4.72	1.31	0.88	0.88	-	0.77	
		1.65				2.18	0.13	0.13		1.47		4.85	1.24	0.95	0.95	-	0.83	
	22.23(7/8)	0.71	22.23	0.08	-	1.32	0.09	0.09	19.05	0.64	22.73	4.10	2.44	-	-	-	-	
		0.89				1.40	0.10	0.10		0.79		4.19	2.34	0.73	-	-	-	
		1.07				1.57	0.10	0.10		0.94		4.28	2.24	0.82	-	-	-	
		1.24				1.75	0.10	0.10		1.12		4.36	2.16	0.91	-	-	-	
	25.4(1)	0.71	25.4	0.08	-	1.32	0.09	0.09	22.23	0.64	26.26	4.02	3.40	-	-	-	-	
		0.89				1.40	0.10	0.10		0.79		4.09	3.29	-	-	-	-	
		1.07				1.57	0.10	0.10		0.94		4.16	3.17	0.95	-	-	-	
		1.24				1.75	0.10	0.10		1.12		4.23	3.06	1.05	-	-	-	
		1.47				2.00	0.13	0.13		1.24		4.33	2.92	1.19	-	-	-	
1.65		2.18				0.13	0.13	1.47		4.41		2.81	1.29	-	-	-		
28	19.05(3/4)	0.71	19.05	-	0.10	1.24	-	-	16.76	0.64	18.16	3.77	1.85	-	-	-	0.52	
		0.89				1.47	-	-		0.79		3.87	1.76	-	-	-	0.62	
		1.07				1.65	-	-		0.94		4.05	1.67	-	-	-	0.66	
		1.24				1.83	-	-		1.12		4.29	1.63	-	-	-	0.71	
		1.65				2.16	-	-		1.47		4.62	1.42	-	-	-	0.85	
		2.11				2.41	-	-		1.88		5.14	1.24	-	-	-	1.08	
	22.2(7/8)	0.71	22.2	-	0.10	1.24	-	-	19.94	0.64	21.46	3.69	2.67	-	-	-	0.60	
		0.89				1.47	-	-		0.79		3.76	2.59	-	-	-	0.71	
		1.07				1.65	-	-		0.94		3.83	2.44	-	-	-	0.81	
		1.24				1.83	-	-		1.12		3.91	2.35	-	-	-	0.91	
		1.65				2.16	-	-		1.47		4.12	2.17	-	-	-	1.00	
		2.11				2.41	-	-		1.88		4.35	1.94	-	-	-	1.27	
	25.4(1)	0.71	25.4	-	0.15	1.24	-	-	23.11	0.64	24.72	3.64	3.57	-	-	-	0.70	
		0.89				1.47	-	-		0.79		3.69	3.47	-	-	-	0.82	
		1.07				1.65	-	-		0.94		2.81	3.38	-	-	-	0.88	
		1.24				1.83	-	-		1.12		3.90	3.28	-	-	-	1.05	
		1.65				2.16	-	-		1.47		3.98	3.08	-	-	-	1.17	
		2.11				2.41	-	-		1.88		4.16	2.89	-	-	-	1.48	
	36	19.05(3/4)	0.71	19.05	-	0.10	1.24	-	-	17.73	0.64	15.2	2.98	2.09	-	-	-	-
			0.89				1.47	-	-		0.79		3.05	2.00	-	-	-	-
			1.07				1.65	-	-		0.94		3.11	1.91	-	-	-	-
1.24			1.83				-	-	1.12		3.19		1.82	-	-	-	-	
1.65			2.16				-	-	1.47		3.36		1.64	-	-	-	-	
2.11			2.77				-	-	1.88		3.60		1.43	-	-	-	-	
22.2(7/8)		0.71	22.2	-	0.10	1.24	-	-	20.90	0.64	17.9	2.92	2.98	-	-	-	-	
		0.89				1.47	-	-		0.79		2.98	2.87	-	-	-	-	
		1.07				1.65	-	-		0.94		3.04	2.77	-	-	-	-	
		1.24				1.83	-	-		1.12		3.09	2.66	-	-	-	-	
		1.65				2.16	-	-		1.47		3.25	2.43	-	-	-	-	
		2.11				2.77	-	-		1.88		3.41	2.19	-	-	-	-	
25.4(1)		-	25.4	-	0.15	-	-	-	24.08	-	20.5	-	-	-	-	-	-	-
		0.89				1.47	-	-		0.79		2.92	3.91	-	-	-	-	
		1.07				1.65	-	-		0.94		2.97	3.78	-	-	-	-	
		1.24				1.83	-	-		1.12		3.01	3.66	-	-	-	-	
		1.65				2.16	-	-		1.47		3.14	3.39	-	-	-	-	
		2.11				2.77	-	-		1.88		3.27	3.10	-	-	-	-	