

Austenitic Stainless Steel Tubes for Boiler, Heat-Exchanger and General Service Tubing ASTM/ASME A/SA -249/269

WALL THICKNESS			OUTSIDE DIAMETER																										
BWG	inches	mm	1/4"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	4"	4 1/2"	5"	inches	
			6,35	9,53	11,11	12,70	15,88	19,05	22,23	25,40	28,57	31,75	34,92	38,10	41,27	44,45	47,62	50,8	57,55	63,50	69,85	76,20	82,55	88,9	101,6	114,3	127	mm	
22	0,028	0,71	0,099	0,155	0,183	0,211	0,267	0,323	0,379	0,435	0,490	0,546	0,602																lbs/foot
			0,066	0,104	0,122	0,141	0,179	0,217	0,254	0,292	0,329	0,366	0,404																
20	0,035	0,89	0,120	0,190	0,225	0,260	0,331	0,401	0,471	0,541	0,611	0,681	0,751	0,821															lbs/foot
			0,080	0,127	0,151	0,174	0,222	0,269	0,316	0,363	0,410	0,457	0,504	0,551															
19	0,042	1,07	0,140	0,224	0,266	0,308	0,393	0,477	0,561	0,646	0,730	0,814	0,898	0,983	1,067	1,151	1,236	1,320											lbs/foot
			0,094	0,150	0,178	0,206	0,264	0,320	0,376	0,434	0,490	0,546	0,603	0,660	0,716	0,773	0,830	0,886											
18	0,049	1,24	0,157	0,255	0,303	0,352	0,450	0,548	0,645	0,743	0,841	0,938	1,036	1,134	1,231	1,329	1,427	1,525	1,732	1,916									lbs/foot
			0,105	0,171	0,203	0,236	0,302	0,368	0,433	0,499	0,565	0,630	0,696	0,762	0,827	0,893	0,958	1,024	1,163	1,287									
17	0,058	1,47		0,294	0,351	0,409	0,525	0,641	0,757	0,873	0,988	1,104	1,220	1,336	1,452	1,568	1,683	1,799	2,045	2,263	2,494	2,726							lbs/foot
				0,197	0,235	0,274	0,352	0,460	0,508	0,586	0,663	0,741	0,819	0,897	0,975	1,053	1,130	1,208	1,374	1,520	1,675	1,831							kg/m
16	0,065	1,65		0,322	0,387	0,452	0,582	0,712	0,842	0,972	1,102	1,232	1,362	1,492	1,622	1,752	1,882	2,012	2,289	2,532	2,792	3,052	3,312	3,572					lbs/foot
				0,216	0,260	0,303	0,391	0,478	0,565	0,653	0,740	0,827	0,915	1,002	1,089	1,177	1,264	1,351	1,538	1,701	1,876	2,050	2,225	2,400					kg/m
15	0,072	1,83				0,493	0,638	0,782	0,926	1,070	1,214	1,358	1,502	1,647	1,791	1,935	2,079	2,224	2,530	2,800	3,089	3,377	3,666	3,954	4,531	5,108	5,684		lbs/foot
						0,331	0,428	0,525	0,622	0,719	0,815	0,912	1,009	1,106	1,203	1,300	1,397	1,494	1,700	1,881	2,075	2,269	2,463	2,656	3,044	3,432	3,819		kg/m
14	0,083	2,11				0,721	0,887	1,055	1,219	1,385	1,552	1,718	1,884	2,050	2,217	2,383	2,549	2,903	3,214	3,547	3,879	4,212	4,544	5,210	5,875	6,540		lbs/foot	
						0,484	0,596	0,708	0,819	0,930	1,042	1,154	1,265	1,377	1,489	1,601	1,712	1,950	2,159	2,383	2,606	2,830	3,053	3,500	3,947	4,394		kg/m	
13	0,095	2,41					0,995	1,185	1,375	1,564	1,754	1,944	2,134	2,324	2,514	2,704	2,894	3,298	3,653	4,033	4,413	4,793	5,173	5,932	6,692	7,452		lbs/foot	
							0,668	0,796	0,923	1,050	1,178	1,306	1,433	1,561	1,689	1,817	1,944	2,216	2,454	2,710	2,965	3,220	3,476	3,986	4,496	5,007		kg/m	
12	0,109	2,77						1,555	1,773	1,992	2,210	2,428	2,646	2,865	3,083	3,301	3,765	4,175	4,611	5,048	5,484	5,921	6,794	7,667	8,540		lbs/foot		
								1,044	1,191	1,338	1,485	1,631	1,778	1,925	2,071	2,218	2,529	2,805	3,098	3,393	3,685	3,978	4,565	5,151	5,738		kg/m		
11	0,120	3,05											2,443	2,653	2,893	3,133	3,373	3,614	4,125	4,575	5,056	5,537	6,017	6,498	7,459	8,421	9,382	lbs/foot	
														1,642	1,782	1,944	2,105	2,266	2,428	2,771	3,074	3,397	3,720	4,043	4,366	5,012	5,658	6,304	kg/m

Tolerances according to ASTM A 450

NOMINAL W.T	OUTSIDE DIAMETER						LENGHT			
	Size	+		-		+		-		
		Inches	mm	Inches	mm	Inches	mm	Inches	mm	
Medium -Sized Minimum	<1"	0,004	0,101	0,004	=0,101	1/8"	3,18	0	0	
	1" : 1 1/2"	0,006	0,152	0,006	=0,152					
	1 5/8" : 1 7/8"	0,008	0,203	0,008	=0,203					
All sizes	2" : 2/4"	0,010	0,254	0,010	=0,254	3/16"	4,76	0	0	
	2 1/2" : 2 3/4"	0,012	0,304	0,012	=0,304					
+10% +20%	3" : 4"	0,015	0,381	0,015	=0,381					
-10% -0%	4" 1/2" : 5"	0,015	0,381	0,025	=0,635					

Tubes according to NF A 49-247 DIN 28181