

outside diameter mm	wall thickness mm														weight kg/m
	0,80	1	1,2	1,5	1,6	2	2,5	2,6	3	3,2	3,6	4	5	6	
6		0,125													
8	0,144	0,175													
10	0,184	0,225	0,264	0,319											
12	0,224	0,275	0,325	0,394	0,417	0,501									
12,7	0,238	0,293	0,346	0,421	0,445										
14	0,264	0,326	0,385	0,470	0,497	0,601									
15	0,284	0,351	0,415	0,507	0,537	0,651									
16	0,304	0,376	0,445	0,545	0,577	0,701									
17,2	0,329	0,406	0,481	0,590	0,625	0,761	0,920	0,951	1,067						
18	0,345	0,426	0,505	0,620	0,657	0,801	0,970	1,003	1,127						
19	0,365	0,451	0,535	0,657	0,697	0,851	1,033	1,068	1,202						
19,05	0,366	0,452	0,536	0,659	0,699	0,854	1,036	1,071	1,206						
20	0,385	0,476	0,565	0,695	0,737	0,901	1,096	1,133	1,277						
21,3	0,411	0,508	0,604	0,744	0,789	0,967	1,177	1,217	1,375						
22	0,425	0,526	0,625	0,770	0,817	1,002	1,221	1,263	1,427						
23	0,445	0,551	0,655	0,808	0,857	1,052	1,283	1,328	1,502						
24	0,465	0,576	0,685	0,845	0,897	1,102	1,346	1,393	1,578						
25	0,485	0,601	0,715	0,883	0,937	1,152	1,409	1,458	1,653						
25,4	0,493	0,611	0,727	0,898	0,954	1,172	1,434	1,484	1,683						
26,9	0,523	0,649	0,772	0,954	1,014	1,247	1,527	1,582	1,795						
28	0,545	0,676	0,805	0,995	1,058	1,302	1,596	1,654	1,878						
29	0,565	0,701	0,835	1,033	1,098	1,352	1,659	1,719	1,953						
30	0,585	0,726	0,865	1,070	1,138	1,402	1,722	1,784	2,028						
31,80	0,621	0,771	0,919	1,138	1,210	1,492	1,834	1,901	2,163						
32	0,625	0,776	0,925	1,146	1,218	1,502	1,847	1,914	2,178						
33	0,645	0,801	0,956	1,183	1,258	1,552	1,909	1,979	2,254						
33,7	0,659	0,819	0,977	1,209	1,286	1,588	1,953	2,025	2,306	2,444					
34	0,665	0,826	0,986	1,221	1,298	1,603	1,972	2,044	2,329	2,468					
35	0,685	0,851	1,016	1,258	1,338	1,653	2,035	2,109	2,404	2,548					
38	0,745	0,926	1,106	1,371	1,458	1,803	2,222	2,305	2,629	2,788	3,101	3,405			
40	0,785	0,977	1,166	1,446	1,538	1,903	2,348	2,435	2,779	2,949	3,281	3,606			
41		1,002	1,196	1,484	1,579	1,953	2,410	2,500	2,855	3,029	3,371	3,706			
42		1,027	1,226	1,521	1,619	2,003	2,473	2,565	2,930	3,109	3,462	3,806			
42,4		1,037	1,238	1,536	1,635	2,023	2,498	2,591	2,960	3,141	3,498	3,846			
43		1,052	1,256	1,559	1,659	2,053	2,535	2,630	3,005	3,189	3,552	3,906			
44,5		1,089	1,301	1,615	1,719	2,128	2,629	2,728	3,117	3,309	3,687	4,056			
45		1,102	1,316	1,634	1,739	2,153	2,661	2,760	3,155	3,349	3,732	4,107			
48		1,177	1,406	1,747	1,859	2,304	2,848	2,956	3,380	3,590	4,002	4,407			
48,3		1,184	1,415	1,758	1,871	2,319	2,867	2,975	3,403	3,614	4,029	4,437			
50		1,227	1,466	1,822	1,939	2,404	2,974	3,086	3,531	3,750	4,183	4,607			
50,8		1,247	1,490	1,852	1,971	2,444	3,024	3,138	3,591	3,814	4,255	4,687			
51		1,252	1,496	1,859	1,979	2,454	3,036	3,151	3,606	3,830	4,273	4,708			
52		1,277	1,526	1,897	2,019	2,504	3,099	3,216	3,681	3,910	4,363	4,808			
53		1,302	1,556	1,934	2,059	2,554	3,161	3,281	3,756	3,990	4,453	4,908			
54		1,327	1,587	1,972	2,099	2,604	3,224	3,346	3,831	4,071	4,543	5,008			
55		1,352	1,617	2,009	2,139	2,654	3,287	3,411	3,906	4,151	4,633	5,108			
57		1,402	1,677	2,085	2,220	2,754	3,412	3,542	4,056	4,311	4,814	5,308			
60,3		1,485	1,776	2,209	2,352	2,920	3,618	3,757	4,304	4,575	5,111	5,639	6,924		
63,5		1,565	1,872	2,329	2,480	3,080	3,819	3,965	4,545	4,832	5,400	5,960	7,324		
70		1,728	2,067	2,573	2,740	3,405	4,226	4,388	5,033	5,353	5,986	6,611	8,138		
73		1,803	2,157	2,686	2,861	3,556	4,413	4,583	5,258	5,593	6,256	6,911	8,514		
76,1		1,881	2,251	2,802	2,985	3,711	4,607	4,785	5,491	5,841	6,535	7,222	8,902		
80		1,978	2,368	2,948	3,141	3,906	4,852	5,039	5,784	6,154	6,887	7,612	9,390		
83		2,053	2,458	3,061	3,261	4,056	5,039	5,234	6,010	6,394	7,157	7,913	9,766		
84		2,078	2,488	3,099	3,301	4,107	5,102	5,299	6,085	6,474	7,248	8,013	9,891		
85		2,103	2,518	3,136	3,341	4,157	5,165	5,365	6,160	6,554	7,338	8,113	10,016		
88,9			2,635	3,283	3,498	4,352	5,409	5,618	6,453	6,867	7,689	8,504	10,504		
95				3,512	3,742	4,657	5,791	6,016	6,911	7,356	8,239	9,115	11,268		
101,6				3,760	4,006	4,988	6,204	6,445	7,407	7,885	8,834	9,776	12,094		
103				3,812	4,062	5,058	6,291	6,536	7,512	7,997	8,960	9,916	12,270		
104				3,850	4,103	5,108	6,354	6,602	7,587	8,077	9,050	10,016	12,395		
108				4,000	4,263	5,308	6,604	6,862	7,888	8,397	9,411	10,417	12,896		
114,3				4,237	4,515	5,624	6,999	7,272	8,361	8,902	9,979	11,048	13,684	16,271	

outside diameter mm	wall thickness mm														weight kg/m
	0,80	1	1,2	1,5	1,6	2	2,5	2,6	3	3,2	3,6	4	5	6	
127				4,714	5,024	6,260	7,794	8,099	9,315	9,920	11,124	12,320	15,274	18,179	
129				4,789	5,104	6,360	7,919	8,229	9,465	10,080	11,304	12,520	15,525	18,480	
133				4,939	5,264	6,560	8,169	8,490	9,766	10,401	11,665	12,921	16,026	19,080	
139,7				5,191	5,533	6,896	8,589	8,926	10,269	10,937	12,269	13,592	16,864	20,087	
153				5,690	6,066	7,562	9,421	9,792	11,268	12,003	13,468	14,924	18,530	22,085	
154				5,728	6,106	7,612	9,484	9,857	11,343	12,083	13,558	15,024	18,655	22,236	
155				5,765	6,146	7,662	9,547	9,922	11,418	12,163	13,648	15,124	18,780	22,386	
156				5,803	6,186	7,712	9,609	9,987	11,493	12,244	13,738	15,224	18,905	22,536	
159				5,916	6,306	7,863	9,797	10,182	11,719	12,484	14,008	15,525	19,281	22,987	
168,3				6,265	6,679	8,328	10,379	10,788	12,417	13,229	14,847	16,456	20,445	24,384	
204				7,606	8,109	10,116	12,614	13,112	15,099	16,090	18,065	20,032	24,915	29,748	
205				7,643	8,149	10,166	12,677	13,177	15,174	16,170	18,155	20,132	25,040	29,898	
206						10,216	12,739	13,242	15,249	16,250	18,245	20,232	25,165	30,048	
219,1						10,872	13,559	14,095	16,233	17,300	19,426	21,544	26,805	32,016	
254						12,620	15,744	16,367	18,855	20,096	22,572	25,040	31,175	37,260	
255						12,670	15,807	16,432	18,930	20,176	22,662	25,140	31,300	37,410	
256						12,720	15,869	16,497	19,005	20,256	22,752	25,240	31,425	37,560	
273						13,572	16,933	17,604	20,282	21,619	24,285	26,943	33,554	40,114	
304						15,124	18,874	19,622	22,611	24,103	27,079	30,048	37,435	44,772	
306						15,224	18,999	19,753	22,761	24,263	27,260	30,248	37,685	45,072	
323,9						16,121	20,120	20,918	24,106	25,697	28,873	32,041	39,926	47,761	
355,6						17,708	22,104	22,982	26,487	28,237	31,731	35,216	43,895	52,524	
406,4						20,252	25,284	26,289	30,303	32,308	36,310	40,304	50,255	60,156	
508						31,644	32,904	37,936	40,449	45,469	50,481	62,976	75,420		

outside diameter mm	wall thickness mm						weight kg/m
	0,40	0,50	0,60	0,70	0,75	0,80	
5	0,046	0,056					