Dimensions and weights per metre ISO DIN 2448

OD in	OD mm	Wall thickness, mm	1.6	1.8	2	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.6	6.3	7.1	8	8.8	10	11	12.5	14.2	16	17.5	20	22.2	25	28	30	32	36	40	45	50	55	60	65	70	75	80	85	90	100
		Weight, kg/m																																									
1/8	10.2	1.6	0.339	0.373	0.404	0.448	0.487																																				
1/4	13.5	1.8		0.519	0.567	0.635	0.699	0.758	0.813	0.879																																	
	16	1.8		0.630	0.691	0.777	0.859	0.937	1.01	1.10	1.18																																
3/8	17.2	1.8		0.684	0.750	0.845	0.936	1.02	1.10	1.21	1.30	1.41																															
	19	2			0.838	0.947	1.5	1.15	1.25	1.37	1.48	1.61	1.73																														
	20	2			0.888	1	1.12	1.22	1.33	1.46	1.58	1.72	1.85																														
1/2	21.3	2			0.952	1.08	1.20	1.32	1.43	1.57	1.71	1.86	2.01																														
	25	2			1.13	1.29	1.44	1.58	1.72	1.90	2.07	2.28	2.47	2.68	2.91																												
	25.4	2			1.15	1.31	1.46	1.61	1.75	1.94	2.11	2.32	2.52	2.73	2.97																												
3/4	26.9	2.3			1.23	1.40	1.56	1.72	1.87	2.07	2.26	2.49	2.70	2.94	3.20	3.47																											
	30	2.6				1.57	4.76	1.94	2.11	2.34	2.56	2.83	3.08	3.37	3.68	4.01																											
	31.8	2.6				1.67	1.87	2.07	2.26	2.50	2.74	3.03	3.30	3.62	3.96	4.32	4.70																										
1	33.7	2.6				1.78	1.99	2.20	2.41	2.67	2.93	3.24	3.54	3.88	4.26	4.66	5.07																										
	38	2.6					2.27	2.51	2.75	3.05	3.35	3.72	4.07	4.47	4.93	5.41	5.92	6.34																									
1 1/4	42.4	2.6					2.55	2.82	3.09	3.44	3.79	4.21	4.61	5.08	5.61	6.18	6.79	7.29	7.99																								
	44.5	2.6					2.69	2.98	3.26	3.63	4.00	4.44	4.87	5.37	5.94	6.55	7.20	7.75	8.51	9.09																							
1 1/2	48.3	2.6					2.93	3.25	3.56	3.97	4.37	4.86	5.34	5.90	6.53	7.21	7.65	8.57	9.45	10.1	11.0																						
	51	2.6					3.10	3.44	3.77	4.21	4.64	5.16	5.67	6.27	6.94	7.69	8.48	9.16	10.1	10.9	11.9	12.9																					
	54	2.6					3.30	3.65	4.01	4.47	4.93	5.49	6.04	6.68	7.41	8.21	9.08	9.81	10.9	11.7	12.8	13.9																					
	57	2.9						3.87	4.25	4.74	5.23	5.83	6.41	7.10	7.88	8.74	9.67	10.5	11.6	12.5	13.7	15.0	16.2																				
2	60.3	2.9						4.11	4.51	5.03	5.55	6.19	6.82	7.55	8.39	9.32	10.3	11.2	12.4	13.4	14.7	16.1	17.5	18.5																			
	63.5	2.9						4.33	4.76	5.32	5.87	6.55	7.21	8.00	8.89	9.88	10.9	11.9	13.2	14.2	15.7	17.3	18.7	19.9																			
	70	2.9						4.80	5.27	5.90	6.51	7.27	8.01	8.89	9.90	11.0	12.2	13.3	14.8	16.0	17.7	19.5	21.3	22.7	24.7																		
	73	2.9						5.01	5.51	6.16	6.81	7.60	8.38	9.31	10.4	11.5	12.8	13.9	15.5	16.8	18.7	20.6	22.5	24.0	26.1																		
2 1/2	76.1	2.9						5.24	5.75	6.44	7.11	7.95	8.77	9.74	10.8	12.1	13.4	14.6	16.3	17.7	19.6	21.7	23.7	25.3	27.7																		
	82.5	3.2							6.26	7.00	7.74	8.66	9.56	10.6	11.8	13.2	14.7	16.0	17.9	19.4	21.6	23.9	26.2	28.1	30.8	33.0																	
3	88.9	3.2							6.76	7.57	8.38	9.37	10.3	11.5	12.8	14.3	16.0	17.4	19.5	21.1	23.6	26.2	28.8	30.8	34.0	36.5	39.4																
	101.6	3.6								8.70	9.63	10.8	11.9	13.3	14.8	16.5	18.5	20.1	22.6	24.6	27.5	30.6	33.8	36.3	40.2	43.5	47.2	50.8	53.0	54.9													
	108	3.6								9.27	10.3	11.5	12.7	14.1	15.8	17.7	19.7	21.5	24.2	26.3	29.4	32.8	36.3	39.1	43.4	47.0	51.2	55.2	57.7	60.0	63.9												
4	114.3	3.6								9.83	10.9	12.2	13.5	15.0	16.8	18.8	21.0	22.9	25.7	28.0	31.4	35.1	38.8	41.8	46.5	50.4	55.1	59.6	62.4	64.9	69.5												
	127	4									12.1	13.6	15.0	16.8	18.8	21.0	23.5	25.7	28.9	31.5	35.3	39.5	43.8	47.3	52.8	57.4	62.9	68.4	71.8	75.0	80.8	85.8											
	133	4									12.7	14.3	15.8	17.6	19.7	22.0	24.7	27.0	30.3	33.1	37.1	41.6	46.2	49.8	55.7	60.7	66.6	72.5	76.2	79.7	86.1	91.7											
5	139.7	4									13.4	15.0	16.6	18.5	20.7	23.2	26.0	28.4	32.0	34.9	39.2	43.9	46.8	52.7	59.0	64.3	70.7	77.1	81.2	85.0	92.1	98.4	105										
	152.4	4.5										16.4	18.2	20.3	22.7	25.4	28.5	31.2	35.1	38.4	43.1	48.4	53.8	58.1	65.3	71.3	78.5	85.9	90.6	95.0	103	111	119	126									
	159	4.5										17.1	19.0	21.2	23.7	26.6	29.8	32.6	36.7	40.1	45.2	50.7	56.4	61.1	68.6	74.9	82.6	90.5	95.4	100	109	117	127	134									
6	168.3	4.5										18.2	20.1	22.5	25.2	28.2	31.6	34.6	39.0	42.7	48.0	54.0	60.1	65.1	73.1	80.0	88.3	96.9	102	108	117	127	137	146	154								
	177.8	5											21.3	23.8	26.6	29.9	33.5	36.7	41.4	45.2	51.0	57.3	63.8	69.2	77.8	85.2	94.2	103	109	115	126	136	147	158	167								
	193.7	5.6												26.0	29.1	32.7	36.8	40.1	45.3	49.6	55.9	62.9	70.1	76.0	85.7	93.9	104	114	121	128	140	152	165	177	188								
8	219.1	6.3													33.1	37.1	41.6	45.6	51.6	56.5	63.7	71.8	80.1	87.0	98.2	108	120	132	140	148	163	177	193	209	223	235	247	257					
	244.5	6.3													37.0	41.6	46.7	51.2	57.8	63.3	71.5	80.6	90.2	98.0	111	122	135	149	159	168	185	202	221	240	257	273	288	301	314	325			
10	273	6.3													41.4	46.6	52.3	57.3	64.9	71.7	80.3	90.6	101	110	125	137	153	169	180	190	210	230	253	275	296	315	333	350	366	381	394		
12	323.9	7.1														55.5	62.3	68.4	77.4	84.9	96.0	108	121	132	150	165	184	204	217	230	256	280	310	338	365	390	415	438	460	481	501	519	552
14	355.6	8															68.6	75.3	85.2	93.5	106	120	134	146	166	183	204	226	241	255	284	331	345	377	408	437	466	493	519	544	567	590	630
16	406.4	8.8																86.3	97.8	107	121	137	154	168	191	210	235	261	278	295	329	361	401	439	477	513	547	581	613	644	674	702	756
18	457	10																	110	121	137	155	174	190	216	238	266	296	316	335	374	411	457	502	545	587	628	668	707	744	780	815	880
20	508	11																		135	153	173	194	212	241	266	298	331	354	376	419	462	514	565	614	663	710	756	801	844	887	928	1006
	559	12.5																			168	191	214	234	266	294	329	367	391	416	464	512	570	628	684	738	792	844	895	945	994	1041	1132
24	610	12.5																			184	209	234	256	291	322	361	402	429	456	510	562	627	691	753	814	874	932	990	1046	1101	1154	1258
	660	14.2																				226	254	277	316	349	392	436	466	496	554	612	683	752	821	888	954	1019	1082	1144	1205	1265	1381