DIN1626

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●Production Standard of DIN1626

●DIN1626

DIN 1626 standardized tubes are tubes produced according to the DIN 1626 standard set by the German Industrial Standardization Committee (DIN). These pipes, made from unalloyed and low alloy steels, are designed for supply purposes, process plants, and tanks. EN 10224 with a wide range of steel grades such as DIN1626 USt37.0, DIN1626 St37.0, DIN1626 St44.0 and DIN1626 St52.0.

●Dimensions and Sizes of DIN1626

Outside diameter mm	Nominal Thickness mm	Other Thickness, mm																														
		1.4	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
10.2	1.6	●	●	●	●	●	●																									

13.5	1.8	●	●	●	●	●	●	●	●	●																					
16	1.8	●	●	●	●	●	●	●	●	●																					
17.2	1.8	●	●	●	●	●	●	●	●	●	●																				
19	2	●	●	●	●	●	●	●	●	●	●																				
20	2	●	●	●	●	●	●	●	●	●	●																				
21.3	2	●	●	●	●	●	●	●	●	●	●	●																			
25	2	●	●	●	●	●	●	●	●	●	●	●	●																		
25.4	2	●	●	●	●	●	●	●	●	●	●	●	●																		
26.9	2	●	●	●	●	●	●	●	●	●	●	●	●																		
30	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●																
31.8	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●															
33.7	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
38	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
42.4	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
44.5	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
48.3	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
51	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
54	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
57	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
60.3	2.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
63.5	2.3		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
70	2.6		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
73	2.6		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
76.1	2.6		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
82.5	2.6		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
88.	2.9		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												

9																														
10 1.6	2.9				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
10 8	2.9				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
11 4.3	3.2				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
12 7	3.2				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
13 3	3.6				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
13 9.7	3.6				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
15 2.4	4				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
15 9	4				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
16 8.3	4							●	●	●	●	●	●	●	●	●	●	●	●	●	●									
17 7.8	4.5							●	●	●	●	●	●	●	●	●	●	●	●	●	●									
19 3.7	4.5							●	●	●	●	●	●	●	●	●	●	●	●	●	●									
21 9.1	4.5								●	●	●	●	●	●	●	●	●	●	●	●	●	●								
24 4.5	5								●	●	●	●	●	●	●	●	●	●	●	●	●	●								
27 3	5								●	●	●	●	●	●	●	●	●	●	●	●	●	●								
32 3.9	5.6								●	●	●	●	●	●	●	●	●	●	●	●	●	●								
35 5.6	5.6								●	●	●	●	●	●	●	●	●	●	●	●	●	●								
40 6.4	6.3									●	●	●	●	●	●	●	●	●	●	●	●	●								
45 7	6.3									●	●	●	●	●	●	●	●	●	●	●	●	●								
50 8	6.3									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
55	6.3											●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				

9																														
610	6.3											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
660	7.1											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
711	7.1											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
762	8											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
813	8											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
864	8.8											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
914	10											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1016	10											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1220														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1420															•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1620																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1820																		•	•	•	•	•	•	•	•	•	•	•	•	•
2020																			•	•	•	•	•	•	•	•	•	•	•	•
2220																			•	•	•	•	•	•	•	•	•	•	•	•

●Chemical Composition of DIN1626

Steel Grade		Chemical composition % by mass				
Symbol	Material number	C	P	S	N	Addition of nitrogen fixing elements（e.g.not less than 0.020% Al total）
		max.				
USt 37.0	1.0253	0.2	0.04	0.04	0.007	–
St 37.0	1.0254	0.17	0.04	0.04	0.009	–
St 44.0	1.0256	0.21	0.04	0.04	0.009	–
St 52.0	1.0421	0.22	0.04	0.035	–	Yes

●Mechanical Properties Tensile Strength and Yield Strength of DIN1626

Steel Grade		Upper Yield stress RcH for wall Thickness in mm		Tensile Strength Rm	Elongation after fracture		Diameter of bending mandrel for the bend test on fusion welded tubes
Symbol	Material number	up to 16	over 16 up to 40		Longitudinal	Transverse	
		N/mm2 min.		N/mm2	% min.		
USt 37.0	1.0253	235	–	350 to 480	25	23	2 S
St 37.0	1.0254	235	225	350 to 480	25	23	2 S
St 44.0	1.0256	275	265	420 to 550	21	19	3 S
St 52.0	1.0421	355	345	500 to 650	21	19	4 S