

Specifications

BS EN 10305-4:2011 E235 +N (other grades are available)

Chemical Composition - Ladle Analysis

C	SI	MN	P	S
Max %	Max %	Max %	Max %	Max %
0.17	0.35	1.20	0.025	0.015

Mechanical Properties at Room Temperature

CONDITION	TENSILE RM N/MM2 STRENGTH		ELONGATION A%	YIELD RE N/MM2
	Min	Max	Min	Min
+N Normalized				
EN 10305-4	340	480	25	235

Tolerances

Wall Thickness

The tolerance including eccentricity shall be +/- 10%

TOLERANCES ON SPECIFIED OUTSIDE DIAMETER	EN10305-4 +/- MM
4 - 30mm	0.08mm
35 - 38mm	0.15mm
42 - 50mm	0.20mm
55 - 60mm	0.25mm
70mm	0.30mm
80mm	0.35mm

All tubes are marked with both size, cast number, specification and are eddy current tested. For tolerances on specified inside diameters please enquire. Diameter tolerances include out-of-roundness.

Size Chart

O.D	WALL	0.91	1.00	1.22	1.42	1.50	1.63	2.00	2.03	2.50	2.64	2.95	3.00	3.25	3.66	4.00	4.06	4.88	5.00	6.00	
6.00			•			•		•													
6.35				•			•														
7.94		•		•			•	•													
8.00			•			•		•													
9.53		•		•	•		•		•												
10.00			•			•		•													
12.00			•			•		•													
12.70		•		•			•		•												
14.00			•			•		•		•											
15.00			•			•		•		•											
15.88		•		•			•		•		•			•							
16.00			•			•		•					•								
17.46												•									
18.00			•			•		•													
19.05		•		•			•		•		•			•							
20.00						•		•		•			•			•					
21.43											•			•							
22.00						•		•		•			•								
22.22				•			•		•		•		•	•							
25.00						•		•		•			•			•					
25.40				•			•		•		•			•							
28.00						•		•		•			•			•				•	
30.00								•		•			•			•					
31.75							•		•		•	•		•							
34.13																	•				
34.93									•												
35.00								•					•			•					
38.00								•					•			•				•	
38.10							•				•			•							
42.00								•					•								
44.45														•							
48.42							•							•							
50.00													•					•			

Size Chart

O.D	WALL	0.91	1.00	1.22	1.42	1.50	1.63	2.00	2.03	2.50	2.64	2.95	3.00	3.25	3.66	4.00	4.06	4.88	5.00	6.00
50.80							•		•					•						