

BS 3059

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● Production Standard of BS 3059

● BS 3059

BS 3059 Carbon steel seamless pipe is a standard specification issued by the United Kingdom, which strictly specifies the requirements and characteristics of the production of seamless carbon steel pipes. BS 3059 steel pipe carefully constructed from low carbon steel as a raw material, the pipe can not only withstand extreme environmental conditions, but also without compromising durability and efficiency.

● Dimensions and Sizes of BS 3059

Outside Diameter	Tube Thickness (mm)																
mm	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
25.4	●	●	●	●	●	●	●	●	●								
26.9	●	●	●	●	●	●	●	●	●								
31.8	●	●	●	●	●	●	●	●	●	●	●						
33.7	●	●	●	●	●	●	●	●	●	●	●						
38	●	●	●	●	●	●	●	●	●	●	●	●	●				
42.4		●	●	●	●	●	●	●	●	●	●	●	●				

44.5		•	•	•	•	•	•	•	•	•	•	•	•	•			
48.3		•	•	•	•	•	•	•	•	•	•	•	•	•			
51		•	•	•	•	•	•	•	•	•	•	•	•	•	•		
57			•	•	•	•	•	•	•	•	•	•	•	•	•		
60.3			•	•	•	•	•	•	•	•	•	•	•	•	•	•	
63.5			•	•	•	•	•	•	•	•	•	•	•	•	•	•	
70			•	•	•	•	•	•	•	•	•	•	•	•	•	•	
76.1				•	•	•	•	•	•	•	•	•	•	•	•	•	•
82.5					•	•	•	•	•	•	•	•	•	•	•	•	•
88.9					•	•	•	•	•	•	•	•	•	•	•	•	•
101.6						•	•	•	•	•	•	•	•	•	•	•	•
114.3							•	•	•	•	•	•	•	•	•	•	•
127								•	•	•	•	•	•	•	•	•	•

●Chemical Composition of BS 3059

Steel grade	Method of manufacture	Chemical composition (ladle analysis) (see notes 1 and 2)							Mechanical properties at room temperature (see note 3)							
		C	Mn		Si		P	S	Re	Rm		A	Flattening test constant C	Drift expanding test: increase in D		
														d/D ratio		
		max.	min.	max.	min.	max.	max.	max.	min.	min.	max.	min.		≤ 0.6	>0.6 ≤ 0.8	>0.8
320	Seamless Welded	%	%	%	%	%	%	%	N/mm	N/mm	N/mm	%	0.10	%	%	%
320		0.1	0.3	0.7	0.1	0.3	0.0	0.0	2a	m2	m2	25	0.10	1	15	19
320		6	0	0	0.1	5	40	40	195	320	480	25	0.10	2	15	19
320		0.1	0.3	0.7	0 –	0.3	0.0	0.0	195	320	480	25	0.10	1	15	19
320		6b	0	0		5	40	40						2		

●Mechanical Properties Tensile Strength and Yield Strength of BS 3059

Steel grade	Method of manufacture	Chemical composition (ladle analysis) (see notes 1 and 2)							Mechanical properties at room temperature (see note 3)							
		C	Mn		Si		P	S	Re	Rm		A	Flattening test constant C	Drift expanding test: increase in D		
														d/D ratio		
		max.	min.	max.	min.	max.	max.	max.	min.	min.	max.	min.		≤ 0.6	>0.6 ≤ 0.8	>0.8
320	Seamless Welded	%	%	%	%	%	%	%	N/mm	N/mm	N/mm	%	0.10 0.10	%	%	%
320		0.1	0.3	0.7	0.1	0.3	0.0	0.0	2a	m2	m2	25		1	15	19
320		6	0	0	0.1	5	40	40	195	320	480	25		2	15	19
320		0.1	0.3	0.7	0 –	0.3	0.0	0.0	195	320	480	25		1	15	19
320		6b	0	0		5	40	40						2		