

Pipe support span calculation

ASME B31.1-2001

TABLE 121.5
SUGGESTED PIPE SUPPORT SPACING

Nominal Pipe Size, NPS	Suggested Maximum Span			
	Water Service		Steam, Gas, or Air Service	
	ft	m	ft	m
1	7	2.1	9	2.7
2	10	3.0	13	4.0
3	12	3.7	15	4.6
4	14	4.3	17	5.2
6	17	5.2	21	6.4
8	19	5.8	24	7.3
12	24	7.3	30	9.1
			35	10.7
			39	11.9
24	32	9.8	42	12.8

Eng. Nasir

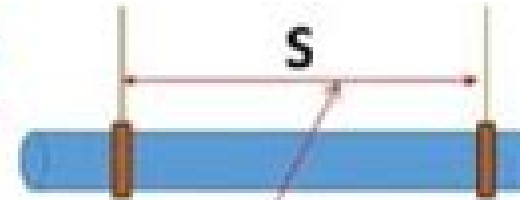
English

Maximum Bending stress

$$S_b = \frac{(0.0624wL^2 + 0.1248w_p L)D}{J}$$

Minimum Deflection,

$$y = \frac{5wL^4 + 8w_p L^3}{384EI} \quad \text{in meter}$$



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