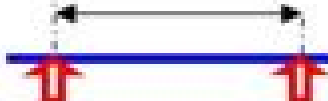
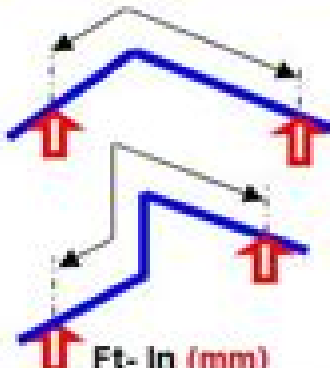
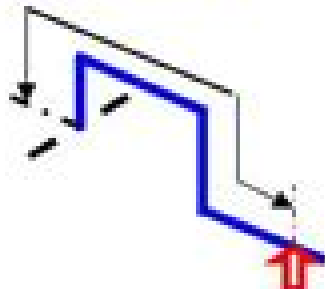


# ALLOWABLE PIPING SPANS

Based on using carbon steel pipe (A53-GR B) filled with water

Spans are based on insulated and uninsulated lines below 650 Deg. F

Nom. Pipe Size	Pipe Sch.	Wall Thickness Inches					
			Allowable Span	Deflection	Ft- In (mm)	Ft- In (mm)	
3/4"	80	0.154	10'-0" (3048)	3/8" (10)	7'-0" (2134)	8'-0" (2438)	
1"	80	0.179	13'-0" (3962)	1/2" (13)	9'-0" (2743)	10'-0" (3048)	
1-1/2"	80	0.200	17'-0" (5182)	3/4" (19)	11'-0" (3353)	13'-0" (3962)	
2"	40	0.154	19'-0" (5791)	1" (25)	12'-0" (3658)	14'-0" (4267)	
2"	80	0.218	20'-0" (6096)	1" (25)	13'-0" (3962)	15'-0" (4572)	
3"	40	0.216	25'-0" (7620)	1" (25)	16'-0" (4877)	18'-0" (5486)	
4"	40	0.237	27'-0" (8230)	1" (25)	18'-0" (5486)	20'-0" (6096)	
6"	40	0.280	33'-0" (10058)	1" (25)	22'-0" (6706)	25'-0" (7620)	
8"	30	0.277	36'-0" (10973)	1" (25)	24'-0" (7315)	27'-0" (8230)	
10"	20	0.250	38'-0" (11582)	1" (25)	25'-0" (7620)	29'-0" (8839)	
10"	40	0.365	41'-0" (12497)	1" (25)	27'-0" (8230)	31'-0" (9449)	
12"	20	0.250	40'-0" (12192)	1" (25)	26'-0" (7925)	30'-0" (9144)	
12"	Std	0.375	44'-0" (13411)	1" (25)	29'-0" (8839)	33'-0" (10058)	
14"	10	0.250	42'-0" (12802)	1" (25)	27'-0" (8230)	31'-0" (9449)	
14"	Std	0.375	46'-0" (14021)	1" (25)	30'-0" (9144)	34'-0" (10363)	
16"	10	0.250	44'-0" (13411)	1" (25)	28'-0" (8534)	33'-0" (10058)	
16"	Std	0.375	48'-0" (14630)	1" (25)	31'-0" (9449)	36'-0" (10973)	
18"	10	0.250	45'-0" (13716)	1" (25)	29'-0" (8839)	34'-0" (10363)	
18"	Std	0.375	50'-0" (15240)	1" (25)	33'-0" (10058)	38'-0" (11582)	
20"	10	0.250	47'-0" (14326)	1" (25)	31'-0" (9449)	36'-0" (10973)	
20"	20	0.375	52'-0" (15850)	1" (25)	34'-0" (10363)	39'-0" (11887)	
24"	10	0.250	49'-0" (14935)	1" (25)	32'-0" (9754)	37'-0" (11278)	
24"	20	0.375	55'-0" (16764)	1" (25)	36'-0" (10973)	41'-0" (12497)	

# Maximum Distance Between Guide Pipe Supports



**ML Yell**

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web dec 7 2015 i noticed that there are only not a knot and clamped spline in matlab which is assembled in the function spline can we change the original code in matlab a little bit so it can perform or only perform natural spline

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web jul 23 2012 the problem of this method is that it produces discontinuous estimation of the function this is annoying when modeling function that describes natural phenomenon because these functions are often continuous amongst other interpolation methods the cubic spline interpolation can solve this problem

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web description example `s` spline `x` `y` `xq` returns a vector of interpolated values `s` corresponding to the query points in `xq` the values of `s` are determined by cubic spline interpolation of `x` and `y` example `pp` spline `x` `y` returns a piecewise polynomial structure for use by `ppval` and the spline utility `unmkpp`

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web mar 19 2021 how do you get the equation of the spline from matlab the code successfully graphs the cubic spline given my points but i need the actual equation for the function of the spline for further calcu