

TABLE XII.

TABLE OF WORKING BENDING-MOMENTS FOR IRON AND STEEL PINS, AND OF WORKING SHEARING-STRESSES FOR STEEL PINS.

Diameter.	Resisting Moments for Bending.					Resisting Shearing-Stresses.		Diameter.
	IRON.			STEEL.		STEEL.		
	Class A.	Classes B and C.	Lateral System.	Class A.	Classes B and C.	Class A.	Classes B and C.	
1 1/4"			2.1					1 1/4"
1 3/8"			2.9					1 3/8"
1 1/2"		3.1	3.7		5.0		8.5	1 1/2"
1 5/8"		4.0	4.8		6.4		10.0	1 5/8"
1 3/4"		4.9	5.9		7.8		11.6	1 3/4"
1 7/8"		6.1	7.2		9.8		13.3	1 7/8"
2"	5.9	7.4	8.8	9.4	11.8	12.1	15.2	2"
2 1/8"	7.1	8.9	10.6	11.4	14.2	13.7	17.2	2 1/8"
2 1/4"	8.4	10.5	12.6	13.4	16.8	15.4	19.2	2 1/4"
2 3/8"	9.9	12.3	14.8	15.8	19.7	17.1	21.3	2 3/8"
2 1/2"	11.5	14.4	17.2	18.4	23.0	18.9	23.6	2 1/2"
2 5/8"	13.3	16.6	19.9	21.3	26.6	20.8	26.1	2 5/8"
2 3/4"	15.3	19.1	22.9	24.5	30.6	22.9	28.7	2 3/4"
2 7/8"	17.5	21.8	26.2	28.0	34.9	25.1	31.4	2 7/8"
3"	19.9	24.8	29.8	31.8	39.7	27.3	34.2	3"
3 1/8"	22.5	28.1	33.7	36.0	45.0	29.6	37.1	3 1/8"
3 1/4"	25.3	31.6	37.9	40.5	50.6	32.0	40.1	3 1/4"
3 3/8"	28.3	35.4	42.4	45.3	56.6	34.5	43.2	3 3/8"
3 1/2"	31.6	39.5	47.4	50.6	63.2	37.1	46.5	3 1/2"
3 5/8"	35.1	43.8	52.6	56.2	70.1	39.8	49.9	3 5/8"
3 3/4"	38.8	48.5	58.2	62.1	77.6	42.7	53.4	3 3/4"
3 7/8"	42.8	53.5	64.2	68.5	85.6	45.6	57.0	3 7/8"
4"	47.1	58.9	70.6	75.4	94.2	48.6	60.7	4"
4 1/8"	51.7	64.6		82.7	103.6	51.7	64.6	4 1/8"
4 1/4"	56.5	70.6		90.4	113.0	54.8	68.6	4 1/4"
4 3/8"	61.7	77.1		98.7	123.4	58.1	72.7	4 3/8"
4 1/2"	67.1	83.8		107.4	134.1	61.5	76.9	4 1/2"
4 5/8"	72.8	91.0		116.5	145.6	65.0	81.2	4 5/8"
4 3/4"	78.9	98.6		126.2	157.8	68.5	85.6	4 3/4"
4 7/8"	85.3	106.6		136.5	170.6	72.1	90.1	4 7/8"
5"	92.0	115.0		147.2	184.0	75.8	94.8	5"
5 1/8"	99.1	123.8		158.6	198.1	79.7	99.6	5 1/8"
5 1/4"	106.5	133.1		170.4	213.0	83.7	104.6	5 1/4"
5 3/8"	114.3	142.9		182.9	228.7	87.8	109.7	5 3/8"
5 1/2"	122.5	153.1		196.0	245.0	91.9	114.9	5 1/2"
5 5/8"	131.0			209.6		96.1		5 5/8"
5 3/4"	140.0			224.0		100.4		5 3/4"
5 7/8"	149.3			238.9		104.8		5 7/8"
6"	159.0			254.4		109.3		6"