



Shear Pin Hubs

Torque Ratings¹ of Shear Pins Based on Actual Ultimate Shear Values

All dimensions are in inches unless otherwise specified.

Shaft Dia.	Shear Pin Diameters (in.)													
	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	
1 5/16	2,150	4,430												
1 3/16	2,150	4,430	8,550											
1 7/16	2,150	4,430	8,550											
1 11/16	2,600	5,300	10,300	15,700										
1 15/16		5,300	10,300	15,700	17,200	27,900								
2 3/16		6,650	12,800	19,700	21,500	24,900								
2 7/16		6,650	12,800	19,700	21,500	34,900	40,900							
2 11/16		7,500	14,500	22,300	24,300	39,500	46,300	68,000						
2 15/16			14,500	22,300	24,300	39,500	46,300	68,000	73,500	88,000				
3 3/16			17,100	26,200	28,600	46,500	54,500	80,000	86,500	103,500				
3 7/16			17,100	26,200	28,600	24,600	54,500	80,000	86,500	103,500	130,000			
3 11/16				30,100	32,900	53,500	62,700	92,000	99,500	119,000	148,000			
3 15/16					32,900	53,500	62,700	92,000	99,500	119,000	148,000			
4 7/16						60,500	70,900	104,000	112,500	135,000	167,000	202,000		
4 15/16						67,400	70,900	116,000	125,500	150,000	186,000	226,000	309,000	
5 7/16							87,200	128,000	138,500	166,000	205,000	249,000	341,000	
5 15/16								95,300	140,000	151,000	181,000	224,000	273,000	373,000

¹Ratings in inch-pounds

Shear Pin Hubs

Dimensions (in.)									Approximate Weight Each (lbs.)					
Shaft Diameter											Hub Flange		Pad Cast On Wheel	
A	B	C	D	E	F	G	H	J	Style 1	Style 2	Style 1	Style 2	Style 1	Style 2
1 5/16	2 5/8	2	2 1/2	3 5/16	1 1/2	1 13/16	3/4	7/8	9.3	8.0	8.5	7.4	0.7	0.9
1 3/16	2 5/8	2	2 1/2	3 5/16	1 1/2	1 13/16	3/4	7/8	9.3	8.0	7.3	6.4	0.8	0.8
1 7/16	2 5/8	2	2 1/2	3 5/16	1 1/2	1 13/16	3/4	7/8	8.0	6.0	6.0	5.1	0.7	1.1
1 11/16	3 3/4	3 3/16	3	4 1/8	2 3/8	2 1/2	1	1	18.5	15.0	17.0	12.0	2.0	3.0
1 15/16	3 3/4	3 3/16	3	4 1/8	2 3/8	2 1/2	1	1	16.0	12.0	13.2	10.0	2.5	3.0
2 3/16	4 9/16	4 1/16	3 3/4	5 1/8	3 1/16	3 1/8	1	1	30.0	21.0	26.0	18.0	3.0	3.0
2 7/16	4 9/16	4 1/16	3 3/4	5 1/8	3 1/16	3 1/8	1	1	25.0	17.0	22.0	12.0	3.0	4.0
2 11/16	5 7/16	4 13/16	4 1/4	5 7/8	3 13/16	3 5/8	1 1/4	1 1/8	45.0	34.0	39.0	27.0	4.2	3.5
2 15/16	5 7/16	4 13/16	4 1/4	5 7/8	3 13/16	3 5/8	1 1/4	1 1/8	41.0	30.0	33.0	21.0	3.4	3.2
3 3/16	6 5/16	5 3/4	5	6 3/4	4 1/2	4 1/4	1 5/16	1 7/16	67.0	46.0	-	-	-	-
3 7/16	6 5/16	5 3/4	5	6 3/4	4 1/2	4 1/4	1 5/16	1 7/16	59.0	40.0	53.0	36.0	6.0	3.4
3 11/16	7	6 1/8	5 3/4	7 1/2	4 3/4	4 5/8	1 11/16	1 7/16	82.0	57.0	-	-	-	-
3 15/16	7	6 1/8	5 3/4	7 1/2	4 3/4	4 5/8	1 11/16	1 7/16	76.0	52.0	64.0	47.0	8.0	5.0
4 7/16	7 3/4	7	6 1/2	8 3/8	5 3/4	5 1/8	1 11/16	1 7/16	112.0	75.0	100.0	65.0	10.0	7.5
4 15/16	8 9/16	7 5/8	7 1/4	9 5/16	6 1/8	5 11/16	1 11/16	1 7/16	151.0	93.0	132.0	80.0	14.0	18.0
5 7/16	9 3/4	8 3/8	8	10 3/16	6 5/8	6 1/2	1 11/16	1 7/16	218.0	124.0	193.0	109.0	24.0	14.0
5 15/16	10 13/16	9 1/8	8 3/4	11 1/8	7 1/8	7 5/16	1 11/16	1 7/16	286.0	157.0	261.0	140.0	33.0	17.0