

DIMENSIONAL DATA

BA and Fractional Washers to BS 3410

Bright Steel, Stainless and Brass

Bolt size BA	Table 1		Table 2		Bolt size ins	Table 3		Table 4		Table 5		Table 6	
	O/D ins	Small SWG	O/D ins	Large SWG		Light SWG	Heavy SWG	Light SWG	Heavy SWG	Normal SWG		O/D ins	Large SWG
0	0.500	19	0.625	17	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$				
1	0.443	20	0.565	18	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$				
2	0.391	21	0.500	18	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$				
3	0.341	22	0.432	19	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$				
4	0.301	22	0.378	19	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$				
5	0.268	23	0.335	20	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$				
6	0.233	23	0.288	20	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$				
7	0.208	24	0.257	22	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$				
8	0.185	25	0.228	25	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$				
9			0.197	27	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$				
10			0.176	27	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$				
12			0.130	27	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$				
14			0.097	27	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$				

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UNION TRACUONAL WASNERS TO BS 3410

Bright Steel, Stainless and Brass

Bolt size BA	Table 1		Table 2		Bolt size Ins	Table 3	
	Small O/D Ins	SWG	Large O/D Ins	SWG		Light O/D Ins	SWG
0	0.500	19	0.625	17	$\frac{1}{8}$	$\frac{5}{16}$	21
1	0.443	20	0.565	18	$\frac{5}{32}$	$\frac{3}{8}$	21
2	0.391	21	0.500	18	$\frac{3}{16}$	$\frac{7}{16}$	21
3	0.341	22	0.432	19	$\frac{1}{4}$	$\frac{9}{16}$	20
4	0.301	22	0.378	19	$\frac{5}{16}$	$\frac{5}{8}$	19
5	0.268	23	0.335	20	$\frac{3}{8}$	$\frac{3}{4}$	18
6	0.233	23	0.288	20	$\frac{7}{8}$	$\frac{7}{8}$	18
7	0.208	24	0.257	22	$\frac{1}{2}$	1	17
8	0.185	25	0.228	25	$\frac{9}{16}$	$\frac{1}{8}$	17
9			0.197	27	$\frac{5}{8}$	$\frac{1}{4}$	15
10			0.176	27	$\frac{3}{4}$	$\frac{1}{2}$	15
12			0.130	27	$\frac{7}{8}$	$\frac{3}{4}$	15
14			0.097	27	1	$\frac{7}{8}$	15
					$\frac{1}{8}$	$\frac{1}{8}$	13
					$\frac{1}{4}$	$\frac{1}{4}$	11
					$\frac{3}{8}$	$\frac{3}{8}$	10
					$\frac{1}{2}$	$\frac{1}{2}$	10

3		Table 4		Table 5		Table 6	
Heavy O/D Ins SWG	Light O/D Ins SWG	Heavy O/D Ins SWG	Normal O/D Ins SWG	Large O/D Ins SWG			
19 1 3/8	21 1 3/8	18 1 3/8	16 1 3/8	16 1			
18 1 7/8	21 1 7/8	18 1 7/8	15 1 7/8	14 1 1/4			
18 1 7/8	21 1 7/8	17 1 7/8	15 1 7/8	13 1 3/8			
17 1 7/8	19 1 7/8	17 1 7/8	14 1 7/8	12 1 1/2			
15 1 5/8	18 1 5/8	15 1 5/8	13 1 5/8	11 1 5/8			
15 1 5/8	18 1 5/8	13 1 5/8	12 1 5/8	11 1 5/8			
13 1 1/8	17 1 1/8	13 1 1/8	10 1 1/8	10 2			
13 1 1/8	17 1 1/8	12 1 1/8	9 1 1/8	9 2 1/4			
12 1 1/8	15 1 1/8	11 1 1/8	8 1 1/8	8 2 1/2			
11 1 1/4	15 1 1/4	10 1 1/4	6 1 1/4	6 2 3/4			
10 1 1/2	15 1 1/2	9 1 1/2					
9 1 5/8	15 1 5/8	8 1 5/8					
8 1 7/8	13 1 7/8	7 1 7/8					
7 2 1/8	12 2 1/8	7 2 1/8					
6 2 3/8	10 2 3/8	6 2 3/8					
6 2 7/8	10 2 7/8	5 2 7/8					
5 3 1/8	10 3 1/8	5 3 1/8					
5 3 5/8	10 3 5/8	5 3 5/8					