

## USS FLAT WASHERS



USS LOW CARBON STEEL WASHERS										
Bolt Size	Outside Diameter			Inside Diameter			Thickness			Approximate Number per 50 Lbs.
	Nominal	Max	Min	Nominal	Max	Min	Gauge (Standard)	Max	Min	
3/16	9/16	0.577	0.557	1/4	0.265	0.245	18 (3/64)	0.065	0.036	18,050
1/4	3/4	0.749	0.727	5/16	0.327	0.307	16 (1/16)	0.080	0.051	7,450
5/16	7/8	0.905	0.868	3/8	0.390	0.370	14 (5/64)	0.104	0.064	4,350
3/8	1	1.030	0.993	7/16	0.453	0.433	14 (5/64)	0.104	0.064	3,350
7/16	1-1/4	1.280	1.243	1/2	0.515	0.495	14 (5/64)	0.104	0.064	2,050
1/2	1-3/8	1.405	1.368	9/16	0.577	0.557	12 (7/64)	0.132	0.086	1,300
9/16	1-1/2	1.499	1.462	5/8	0.640	0.620	12 (7/64)	0.132	0.086	1,100
5/8	1-3/4	1.780	1.743	11/16	0.718	0.681	10 (9/64)	0.160	0.108	650
3/4	2	2.030	1.993	13/16	0.842	0.805	9 (5/32)	0.177	0.122	455
7/8	2-1/4	2.280	2.243	15/16	0.968	0.931	8 (11/64)	0.192	0.136	325
1	2-1/2	2.530	2.493	1-1/16	1.092	1.055	8 (11/64)	0.192	0.136	265
1-1/8	2-3/4	2.780	2.743	1-1/4	1.280	1.243	8 (11/64)	0.192	0.136	225
1-1/4	3	3.030	2.993	1-3/8	1.405	1.368	8 (11/64)	0.192	0.136	190
1-3/8	3-1/4	3.295	3.240	1-1/2	1.545	1.490	7 (3/16)	0.213	0.153	150
1-1/2	3-1/2	3.545	3.490	1-5/8	1.670	1.615	7 (3/16)	0.213	0.153	130
1-5/8	3-3/4	3.795	3.740	1-3/4	1.795	1.740	7 (3/16)	0.213	0.153	115
1-3/4	4	4.045	3.990	1-7/8	1.920	1.865	7 (3/16)	0.213	0.153	100
1-7/8	4-1/4	4.295	4.240	2	2.045	1.990	7 (3/16)	0.213	0.153	90
2	4-1/2	4.545	4.490	2-1/8	2.170	2.115	7 (3/16)	0.213	0.153	79
2-1/4	4-3/4	4.795	4.740	2-3/8	2.420	2.365	5 (7/32)	0.248	0.193	60
2-1/2	5	5.045	4.990	2-5/8	2.670	2.615	4 (15/64)	0.280	0.210	52
2-3/4	5-1/4	5.315	5.240	2-7/8	2.940	2.865	3 (1/4)	0.310	0.228	45
3	5-1/2	5.565	5.490	3-1/8	3.190	3.115	2 (5/32)	0.327	0.249	43