



NUTS & WASHERS

STANDARD NUTS & WASHERS AVAILABLE IN TYPES & SIZES INDICATED

HEX NUTS & HEX FLANGE NUTS

BOLT DIAMETER INCHES	FINISHED HEX NUTS GRADE 2,5,8		HEAVY SEMI-FINISHED HEX NUTS GRADE 2		SERRATED HEX FLANGE NUTS GRADE 2 / 5			PLAIN HEX FLANGE NUTS GRADE 2		
	ACROSS FLATS	HEIGHT	ACROSS FLATS	HEIGHT	ACROSS FLATS	HEIGHT	FLANGE DIA.	ACROSS FLATS	HEIGHT	FLANGE DIA.
1/4"	7/16"	7/32"	1/2"	15/64"	7/16"	7/32"	19/32"	7/16"	7/32"	19/32"
5/16"	1/2"	17/64"	9/16"	19/64"	1/2"	17/64"	43/64"	1/2"	17/64"	43/64"
3/8"	9/16"	21/64"	11/16"	23/64"	9/16"	21/64"	3/4"	9/16"	21/64"	3/4"
7/16"	11/16"	3/8"	3/4"	27/64"	11/16"	3/8"	15/16"	11/16"	3/8"	15/16"
1/2"	3/4"	7/16"	7/8"	31/64"	3/4"	7/16"	1"	3/4"	7/16"	1"
5/8"	15/16"	35/64"	1-1/16"	39/64"	15/16"	35/64"	1-9/32"	15/16"	35/64"	1-9/32"
3/4"	1-1/8"	41/64"	1-1/8"	41/64"						

FINISHED HEX NUTS - SERRATED BOTH SIDES are available bolt dia. 5/16" - 1/2" Across Flats - Height 17/64"



FINISHED HEX NUTS



HEAVY HEX NUTS



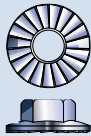
PLAIN FLANGE NUTS



HEX NUTS SERRATED BOTH SIDES



SERRATED FLANGE NUTS



REGULAR & HEAVY SQUARE NUTS

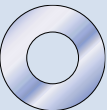


HEX LOCK NUTS

REGULAR & HEAVY SQUARE NUTS

BOLT DIAMETER INCHES	REGULAR SQUARE NUTS GRADE 5		HEAVY SQUARE NUTS GRADE 5		NYLON INSERT HEX LOCK NUTS	
	ACROSS FLATS	HEIGHT	ACROSS FLATS	HEIGHT	ACROSS FLATS	HEIGHT
1/4"	7/16"	7/32"	1/2"	1/4"	7/16"	21/64"
5/16"	9/16"	17/64"	9/16"	5/16"	1/2"	23/64"
3/8"	5/8"	21/64"	11/16"	3/8"	9/16"	15/32"
7/16"	3/4"	3/8"	3/4"	7/16"	11/16"	33/64"
1/2"	13/16"	7/16"	7/8"	1/2"	3/4"	39/64"
9/16"					7/8"	21/32"
5/8"	1"	35/64"	1-1/16"	5/8"	15/16"	49/64"
3/4"	1-1/8"	21/32"	1-1/4"	3/4"	1/1/8"	57/64"
7/8"	1-5/16"	49/64"	1-5/16"	49/64"		
1"	1-1/2"	7/8"	1-1/2"	7/8"		

OTHER NUT & WASHER SIZES ARE AVAILABLE PLEASE CALL FOR INFORMATION



FLAT & S.A.E. WASHERS



SPRING LOCK WASHERS

Standard Coating

JS500 PLATING SYSTEM

Withstands 500 Hours Salt Spray test and 5 cycles in Kesternich (1 litre SO2 per cycle) testing
No Red Rust

FLAT WASHERS

BOLT DIAMETER INCHES	HOLE DIA.	OUTSIDE DIA.	THICKNESS
1/4"	5/16"	3/4"	1/16"
5/16"	3/8"	7/8"	5/64"
3/8"	7/16"	1"	5/64"
7/16"	1/2"	1-1/4"	3/32"
1/2"	9/16"	1-3/8"	7/64"
9/16"	5/8"	1-1/2"	7/64"
5/8"	11/16"	1-3/4"	9/64"
5/8" LARGE	3/4"	1-3/4"	9/64"
3/4"	13/16"	2"	9/64"
3/4" LARGE	7/8"	2"	5/32"
7/8"	15/16"	2-1/4"	5/32"
7/8" LARGE	1"	2-1/4"	5/32"
1"	1-1/16"	2-1/2"	5/32"
1" LARGE	1-1/8"	2-1/2"	5/32"
1-1/8"	1-3/16"	2-3/4"	5/32"
1-1/8" LARGE	1-1/4"	2-3/4"	5/32"
1-1/4"	1-5/16"	2-3/4"	5/32"
1-1/4" LARGE	1-3/8"	3"	5/32"

S.A.E. WASHERS

HOLE DIA.	OUTSIDE DIA.	THICKNESS
9/32"	5/8"	1/16"
11/32"	11/16"	1/16"
13/32"	13/16"	1/16"
15/32"	59/64"	1/16"
17/32"	1-1/16"	3/32"
19/32"	1-3/16"	3/32"
21/32"	1-5/16"	3/32"
13/16"	1-1/2"	1/8"

MEDIUM SPRING LOCK WASHERS

WIDTH	THICKNESS
.109"	.062"
.125"	.078"
.141"	.094"
.156"	.109"
.171"	.125"
.188"	.141"
.203"	.156"
.234"	.188"