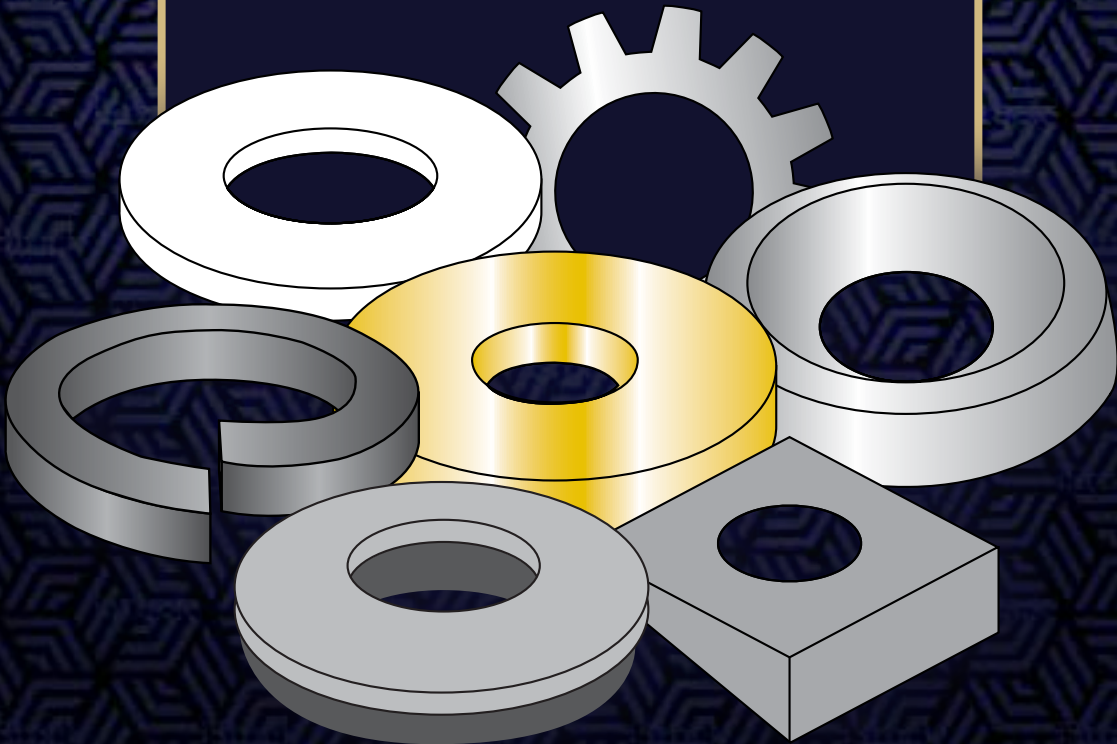


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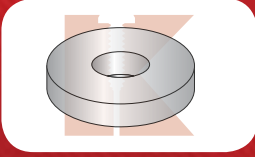
Domestic USS & SAE Flat Washers (Low Carbon Steel Zinc)

- Flat
- Tooth-Lock
- Split-Lock
- Finishing
- Sealing
- Metric
- Inch
- Military-Spec
- Steel & Stainless
- Nylon



BRAND NEW USS & SAE FLAT WASHERS

- Sold By The Piece
- More Consistent Thickness
- Steel Zinc Plated

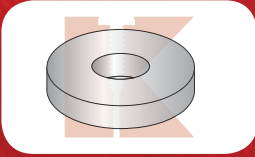


MADE IN USA

FLAT WASHERS SAE

ALL SIZES MADE IN THE U.S.A.

Manufactured to ASME B18.22.1 specifications
Steel Zinc Plated



MADE IN USA

FLAT WASHERS USS

ALL SIZES MADE IN THE U.S.A.

Manufactured to ASME B18.22.1 specifications
Steel Zinc Plated

ADDITIONAL NEW ITEMS

METRIC

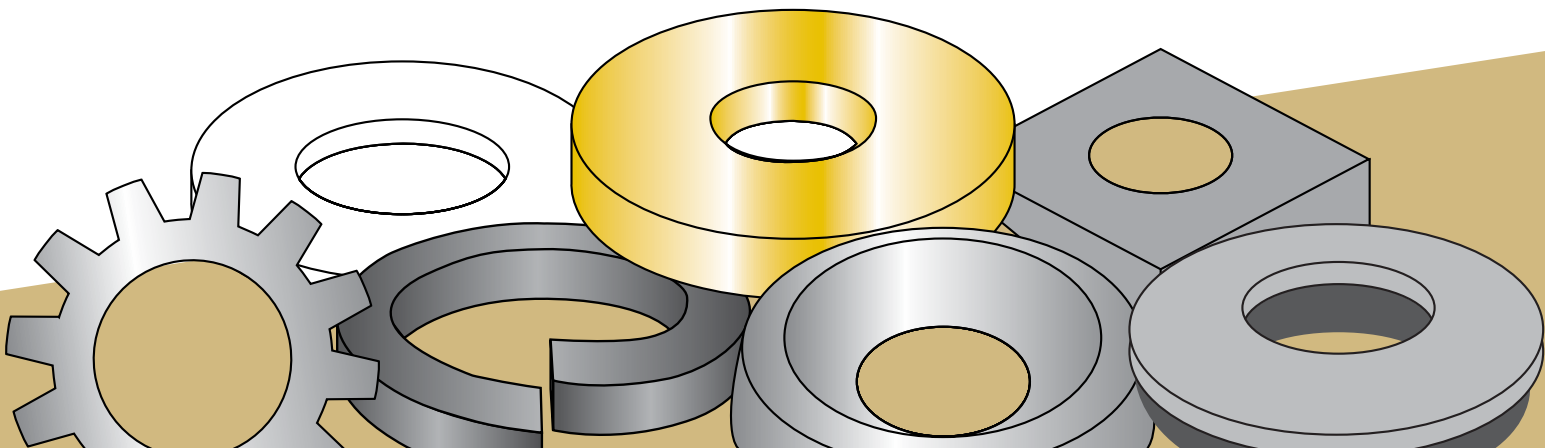
- DIN 128 Curved Spring Lock Washer (A2 SS)
- DIN 128 Curved Spring Lock Washer (A4 SS)
- DIN 6797A External Tooth Washer (Steel Black Oxide)
- DIN 6797J Internal Tooth Washer (Steel Black Oxide)
- DIN 6798 Serrated External Tooth Lock Washer (A2 SS)
- DIN 9021 Fender Washer (Steel Zinc)
- DIN 9021 Fender Washer (A2 SS)
- DIN 9021 Fender Washer (A4 SS)
- DIN 433 Small Flat Washers (Steel Zinc)
- Countersunk Finishing Washer (A2 SS)
- Countersunk Finishing Washer (A4 SS)
- Serrated Conical Spring Washers (A2SS)

MILITARY

- MS35333 Internal Tooth Lock Washers (Steel Cadmium Yellow)
- MS35338 Split Lock Washers (Steel Cadmium Yellow)

INCH

- Extra Heavy Fender Washers (Steel Zinc)
- EPDM Bonded Washers (18-8 SS)
- EPDM Bonded Washers (Galvanized Steel)
- U.S.-Made Flat USS Washers (Steel Zinc)
- U.S.-Made Flat SAE Washers (Steel Zinc)



Washers

Metric & Inch

Military & Commercial

Steel, Stainless & Nylon

Alternative Finishes

-Includes New Items added in 2019-

WASHERS

Steel & Stainless

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WASHERS

Steel, Stainless & Nylon

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STEEL WASHERS; INCH SIZES—BLACK OXIDE

Tooth Lock

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External/Internal	21

Helical Split Lock, Regular	21
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Flat

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STEEL WASHERS; INCH SIZES—BLACK ZINC

Tooth Lock

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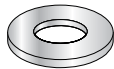
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WASHERS

Steel Zinc Plated

METRIC



The edges of DIN 125A washers are not chamfered

DIN 125A STANDARD FLAT WASHERS

Steel HV-140
Hardness: HV 140 - 250

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D125A	M2	10,000	0.11	M8D125A	M8	5,000	3.62
M2.5D125A	M2.5	10,000	0.17	M10D125A	M10	2,000	6.93
M3D125A	M3	10,000	0.30	M12D125A	M12	1,500	13.00
M3.5D125A	M3.5	10,000	0.35	M16D125A	M16	600	24.90
M4D125A	M4	10,000	0.65	M20D125A	M20	500	37.90
M5D125A	M5	10,000	0.95				
M6D125A	M6	6,000	2.50				

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18-8 Stainless Steel

METRIC



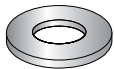
DIN 127B SPLIT LOCKWASHERS

Regular Series

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D127B188	M2	15,000	0.13	M5D127B188	M5	10,000	0.73
M2.5D127B188	M2.5	15,000	0.14	M6D127B188	M6	7,000	1.66
M3D127B188	M3	15,000	0.23	M8D127B188	M8	7,000	3.30
M4D127B188	M4	15,000	0.40				

18-8 Stainless Steel

METRIC



The edges of DIN 125A washers are not chamfered

DIN 125A STANDARD FLAT WASHERS

Hardness: HV 140 - 250

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D125A188	M3	10,000	0.22	M12D125A188	M12	1,250	12.33
M4D125A188	M4	10,000	0.60	M14D125A188	M14	1,000	17.75
M5D125A188	M5	10,000	0.85	M16D125A188	M16	650	22.45
M6D125A188	M6	6,000	1.82	M20D125A188	M20	400	35.95
M8D125A188	M8	5,000	3.32	M24D125A188	M24	250	64.75
M10D125A188	M10	2,500	7.08				

Steel Thermal Black

METRIC



DIN 127B SPLIT LOCKWASHERS

Regular Series / Spring Steel
Hardness: Rockwell C 44-51

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D127BB	M3	20,000	0.29	M10D127BB	M10	3,000	6.12
M4D127BB	M4	20,000	0.38	M12D127BB	M12	3,000	9.40
M5D127BB	M5	15,000	0.80	M16D127BB	M16	1,000	18.70
M6D127BB	M6	7,000	1.89	M20D127BB	M20	600	31.77
M8D127BB	M8	6,000	3.74				

Black Oxide over
18-8 Stainless Steel

METRIC



The edges of DIN 125A washers are not chamfered

DIN 125A STANDARD FLAT WASHERS

Hardness: HV 140 minimum

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D125A188B	M3	10,000	0.22	M6D125A188B	M6	6,000	1.82
M4D125A188B	M4	10,000	0.60	M8D125A188B	M8	5,000	3.24
M5D125A188B	M5	10,000	0.85				

Black Oxide over
18-8 Stainless Steel

METRIC



DIN 127B SPLIT LOCKWASHERS

Regular Series

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D127B188B	M3	15,000	0.23	M5D127B188B	M5	10,000	0.73
M4D127B188B	M4	15,000	0.40	M6D127B188B	M6	7,000	1.66

Steel Zinc Plated

METRIC



DIN 127B SPLIT LOCKWASHERS

Regular Series / Spring Steel
Hardness: Rockwell C 44-51

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D127B	M2	15,000	0.09	M8D127B	M8	5,000	3.73
M2.5D127B	M2.5	15,000	0.11	M10D127B	M10	3,000	6.08
M3D127B	M3	15,000	0.26	M12D127B	M12	2,000	8.86
M4D127B	M4	15,000	0.37	M16D127B	M16	1,000	19.00
M5D127B	M5	10,000	0.81	M20D127B	M20	600	32.25
M6D127B	M6	7,000	1.92				

A2 Stainless Steel

NEW!

METRIC



DIN 128 CURVED SPRING LOCKWASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D128A2	M3	10,000	0.25	M6D128A2	M6	7,000	1.33
M5D128A2	M5	10,000	0.75	M8D128A2	M8	5,000	2.73

A4 Stainless Steel

NEW!

METRIC



DIN 128 CURVED SPRING LOCKWASHERS

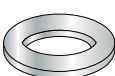
A4 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M
M6D128A4	M6	7,000	1.57

Steel Zinc

NEW!

METRIC



DIN 433 SMALL FLAT WASHERS

 Hardness HV 140 - 250
 Steel HV-140 Zinc Plated

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M4WMD433	M4	10,000	0.42	M8WMD433	M8	8,000	2.85
M5WMD433	M5	10,000	0.63	M10WMD433	M10	6,000	4.20
M6WMD433	M6	10,000	1.45				

A2 Stainless Steel

METRIC



DIN 6797A EXTERNAL TOOTH LOCKWASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MD02WEA2	M2	10,000	0.04	MD04WEA2	M4	10,000	0.19
MD02.5WEA2	M2.5	10,000	0.08	MD05WEA2	M5	10,000	0.37
MD03WEA2	M3	10,000	0.09	MD06WEA2	M6	8,000	0.47
MD03.5WEA2	M3.5	10,000	0.14	MD08WEA2	M8	5,000	1.12

Steel Zinc Plated

METRIC



DIN 6797A EXTERNAL TOOTH LOCKWASHERS

 Hardness: Rockwell C 41-47
 Spring Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D6797A	M2	10,000	0.06	M4D6797A	M4	10,000	0.21
M2.5D6797A	M2.5	10,000	0.09	M5D6797A	M5	7,000	0.40
M3D6797A	M3	10,000	0.10	M6D6797A	M6	6,000	0.49
M3.5D6797A	M3.5	10,000	0.16	M8D6797A	M8	3,000	0.88

Steel Black Oxide

NEW!

METRIC



DIN 6797A EXTERNAL TOOTH LOCKWASHERS

 Hardness: Rockwell C 41-47
 Spring Steel / Black Oxide Finish

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D6797AB	M2	10,000	0.06	M4D6797AB	M4	10,000	0.21
M2.5D6797AB	M2.5	10,000	0.09	M5D6797AB	M5	7,000	0.40
M3D6797AB	M3	10,000	0.10	M6D6797AB	M6	6,000	0.49
M3.5D6797AB	M3.5	10,000	0.16	M8D6797AB	M8	3,000	0.88

A2 Stainless Steel

METRIC



DIN 6797J INTERNAL TOOTH LOCKWASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MD02WIA2	M2	10,000	0.05	MD04WIA2	M4	10,000	0.22
MD02.5WIA2	M2.5	10,000	0.09	MD05WIA2	M5	10,000	0.41
MD03WIA2	M3	10,000	0.10	MD06WIA2	M6	8,000	0.53
MD03.5WIA2	M3.5	10,000	0.16	MD08WIA2	M8	5,000	1.04

Steel Zinc Plated

METRIC



DIN 6797J INTERNAL TOOTH LOCKWASHERS

 Hardness: Rockwell C 41-47
 Spring Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D6797J	M2	10,000	0.06	M5D6797J	M5	7,000	0.40
M2.5D6797J	M2.5	10,000	0.09	M6D6797J	M6	6,000	0.49
M3D6797J	M3	10,000	0.10	M8D6797J	M8	3,000	0.88
M3.5D6797J	M3.5	10,000	0.16	M10D6797J	M10	3,000	1.72
M4D6797J	M4	10,000	0.21	M12D6797J	M12	3,000	2.31

Steel Black Oxide

NEW!

METRIC



DIN 6797J INTERNAL TOOTH LOCKWASHERS

 Hardness: Rockwell C 41-47
 Spring Steel / Black Oxide Finish

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D6797JB	M2	10,000	0.06	M5D6797JB	M5	7,000	0.40
M2.5D6797JB	M2.5	10,000	0.09	M6D6797JB	M6	6,000	0.49
M3D6797JB	M3	10,000	0.10	M8D6797JB	M8	3,000	0.88
M3.5D6797JB	M3.5	10,000	0.16	M10D6797JB	M10	3,000	1.72
M4D6797JB	M4	10,000	0.21	M12D6797JB	M12	3,000	2.31

WASHERS

NEW!

METRIC



DIN 6798 SERRATED EXTERNAL TOOTH LOCKWASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3D6798A2	M3	10,000	0.10	M5D6798A2	M5	10,000	0.50
M4D6798A2	M4	10,000	0.25	M6D6798A2	M6	10,000	0.57

Spring Steel, Plain Finish

METRIC



DIN 7980 HIGH COLLAR SPLIT LOCKWASHERS

For use with Cheese Head and/or Socket Head Cap Screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MD03WSH	M3	10,000	0.19	MD10WSH	M10	8,000	4.00
MD04WSH	M4	10,000	0.38	MD12WSH	M12	7,000	4.50
MD05WSH	M5	10,000	0.87	MD14WSH	M14	7,000	8.30
MD06WSH	M6	10,000	1.02	MD16WSH	M16	3,000	11.70
MD08WSH	M8	10,000	2.20	MD18WSH	M18	2,500	13.30

Spring Steel Zinc

METRIC



DIN 7980 HIGH COLLAR SPLIT LOCKWASHERS

For use with Cheese Head and/or Socket Head Cap Screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MD03WSHZ	M3	10,000	0.20	MD10WSHZ	M10	8,000	4.30
MD04WSHZ	M4	10,000	0.40	MD12WSHZ	M12	7,000	5.00
MD05WSHZ	M5	10,000	0.62	MD14WSHZ	M14	7,000	8.40
MD06WSHZ	M6	10,000	0.94	MD16WSHZ	M16	3,000	13.00
MD08WSHZ	M8	10,000	2.30	MD18WSHZ	M18	2,500	14.50

A2 Stainless Steel

METRIC



DIN 7980 HIGH COLLAR SPLIT LOCKWASHERS

For use with Cheese Head and/or Socket Head Cap Screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MD04WSHA2	M4	5,000	0.39	MD08WSHA2	M8	5,000	2.20
MD05WSHA2	M5	5,000	0.82	MD10WSHA2	M10	4,000	4.17
MD06WSHA2	M6	5,000	0.94	MD12WSHA2	M12	3,500	4.44

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NEW!

METRIC



Steel Zinc Plated

DIN 9021 FENDER WASHERS

Steel 140 HV, Zinc Plate

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M4D9021	M4X12X1.0	10,000	1.50	M8D9021	M8X24X2.0	2,000	11.63
M5D9021	M5X15X1.2	10,000	3.17	M10D9021	M10X30X2.5	1,000	24.83
M6D9021	M6X18X1.6	5,000	5.90	M12D9021	M12X37X3.0	500	47.75

A2 Stainless Steel

NEW!

METRIC



DIN 9021 FENDER WASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M2D9021A2	M2.2X6	10,000	0.42	M5D9021A2	M5X15	10,000	2.75
M2.5D9021A2	M2.7X8	10,000	0.50	M6D9021A2	M6X18	5,000	5.06
M4D9021A2	M4X12	10,000	1.43	M8D9021A2	M8X24	2,500	11.70

A4 Stainless Steel

NEW!

METRIC



DIN 9021 FENDER WASHERS

A4 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M6D9021A4	M6X18	5,000	5.38				

A2 Stainless Steel

NEW!

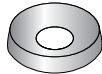
METRIC



METRIC COUNTERSUNK FINISHING WASHERS

A2 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M3WCA2	M3	2,000	1.25	M6WCA2	M6	1,000	5.92
M4WCA2	M4	2,000	2.29	M8WCA2	M8	500	14.88
M5WCA2	M5	1,500	4.25				

NEW! METRIC A4 Stainless Steel 				NEW! METRIC A2 Stainless Steel 			
METRIC COUNTERSUNK FINISHING WASHERS				METRIC SERRATED CONICAL SPRING LOCKWASHERS			
A4 Stainless Steel				A2 Stainless Steel			
Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
M6WCA4	M6	1,000	6.70				
				M4WCRA2	M4X10X0.9	10,000	0.93
				M5WCRA2	M5X12X1.1	8,000	1.83
				M6WCRA2	M6X14X1.3	5,000	2.78
				M8WCRA2	M8X18X1.4	2,500	4.93

Our Newest Metric Washer Categories:

DIN 128 *Curved Spring*—A2 & A4 SS

DIN 433 *Small Flat* — Steel Zinc

DIN 6797A *External Tooth Lock*—Steel Black Oxide

DIN 6797J *Internal Tooth Lock*—Steel Black Oxide

DIN 6798A *Serrated External Tooth Lock*—A2 SS

DIN 9021 *Fender* — Steel Zinc

DIN 9021 *Fender* — A2 & A4 SS

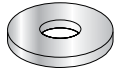
Countersunk Finishing—A2 & A4 SS

Serrated Conical Spring—A2 SS

WASHERS

Steel Cadmium
Yellow Plated

MILITARY GRADE



Free Manufacturer's
Certifications Available

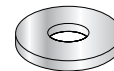
FLAT WASHERS AN960

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
AN960-2	#2	5,000	0.32	AN960-2L	#2	5,000	0.18
AN960-3	#3	5,000	0.32	AN960-4L	#4	5,000	0.28
AN960-4	#4	5,000	0.39	AN960-6L	#6	5,000	0.40
AN960-6	#6	5,000	0.73	AN960-8L	#8	5,000	0.36
AN960-8	#8	5,000	0.71	AN960-10L	#10	5,000	0.93
AN960-10	#10	5,000	1.93	AN960-416L	1/4	5,000	0.89
AN960-416	1/4	5,000	2.23	AN960-516L	5/16	5,000	1.29
AN960-516	5/16	5,000	2.63	AN960-616L	3/8	5,000	1.53
AN960-616	3/8	5,000	3.00				
AN960-816	1/2	3,000	6.55				

Steel Cadmium
Yellow Plated

MILITARY GRADE



Free Manufacturer's
Certifications Available

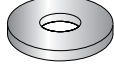
FLAT WASHERS AN970

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
AN970-3	#10	2,000	9.98	AN970-8	1/2	200	84.95
AN970-4	1/4	1,000	16.00	AN970-5	5/16	1,000	23.43
AN970-6	3/8	500	33.33				

18-8 Stainless Steel

MILITARY GRADE



Free Manufacturer's
Certifications Available

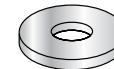
FLAT WASHERS AN960-C

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
AN960-C2	#2	5,000	0.29	AN960-C2L	#2	5,000	0.16
AN960-C3	#3	5,000	0.33	AN960-C3L	#3	5,000	0.16
AN960-C4	#4	5,000	0.47	AN960-C4L	#4	5,000	0.30
AN960-C5	#5	5,000	1.40	AN960-C6L	#6	5,000	0.36
AN960-C6	#6	5,000	0.67	AN960-C8L	#8	5,000	0.36
AN960-C8	#8	5,000	0.63	AN960-C10L	#10	5,000	1.00
AN960-C10	#10	3,000	1.80				
AN960-C416	1/4	3,000	2.27				
AN960-C516	5/16	2,000	2.50				
AN960-C616	3/8	2,000	2.80				
AN960-C716	7/16	1,000	4.50				
AN960-C816	1/2	1,000	6.17				

300-series
Stainless Steel

MILITARY GRADE



Free Manufacturer's
Certifications Available

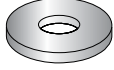
FLAT WASHERS MS15795

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size ID x OD	Ctn Qty	Wght Lbs/M	Part #	Size ID x OD	Ctn Qty	Wght Lbs/M
MS15795-801	.078-.188	10,000	0.11	MS15795-840	.604-1.469	200	39.25
MS15795-802	.094-.250	10,000	0.20				
MS15795-803	.125-.250	10,000	0.18	MS15795-841	.188-.438	5,000	1.25
MS15795-804	.125-.312	5,000	1.34	MS15795-842	.219-.500	5,000	1.71
MS15795-805	.156-.312	5,000	0.42	MS15795-843	.594-1.469	200	41.05
MS15795-806	.156-.375	5,000	0.98				
MS15795-807	.188-.375	5,000	0.86	MS15795-844	.094-.218	10,000	0.16
MS15795-808	.219-.438	5,000	1.22	MS15795-845	.172-.281	5,000	0.30
MS15795-809	.250-.562	3,000	3.15	MS15795-846	.203-.375	10,000	0.41
MS15795-810	.281-.625	3,000	3.94	MS15795-847	.203-.562	5,000	1.98
MS15795-811	.312-.734	2,500	5.57	MS15795-848	.203-.562	2,500	3.47
MS15795-812	.344-.688	2,500	4.15	MS15795-849	.203-.625	2,500	3.15
MS15795-813	.375-.875	1,500	9.60	MS15795-850	.023-1.062	2,000	4.91
MS15795-814	.405-.812	2,500	6.14	MS15795-851	.250-.688	1,000	6.08
MS15795-815	.438-1.000	1,000	12.50	MS15795-852	.266-.625	2,500	2.24
MS15795-816	.469-.922	2,000	7.86	MS15795-853	.266-.688	2,000	4.04
MS15795-817	.500-1.250	1,000	21.00				
MS15795-818	.531-1.062	1,000	13.80	MS15795-854	.296-.438	5,000	0.73
MS15795-819	.562-1.375	500	31.33				
MS15795-820	.656-1.312	500	22.67	MS15795-855	.531-1.250	250	27.90
MS15795-821	.688-1.750	100	66.33				
MS15795-822	.812-1.469	250	37.30	MS15795-856	.172-.312	5,000	0.41
MS15795-823	.812-1.993	100	97.00	MS15795-857	.203-.734	2,500	3.13
MS15795-824	.938-1.750	250	58.25	MS15795-858	.266-.458	5,000	0.91
MS15795-825	.938-2.250	100	147.10				
MS15795-826	1.062-2.000	100	72.67				
MS15795-827	1.062-2.500	100	176.50				

18-8 Stainless Steel

MILITARY GRADE



Free Manufacturer's
Certifications Available

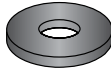
FLAT WASHERS AN960-C DUAL CERTIFIED TO NAS 1149

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
AN960-C416L	1/4	5,000	1.02	AN960-C716L	7/16	2,000	2.06
AN960-C516L	5/16	5,000	1.08	AN960-C816L	1/2	2,000	2.73
AN960-C616L	3/8	3,000	1.36				

Black Oxide over
300-series Stainless

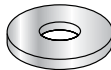
MILITARY GRADE

Free Manufacturer's
Certifications Available**FLAT WASHERS**
MS15795Tested and Certified to Military Standards / Parts are DFAR compliant
All Items Are Made In The U.S.A.

Part #	Size ID x OD	Ctn Qty	Wght Lbs/M	Part #	Size ID x OD	Ctn Qty	Wght Lbs/M
MS15795-801B	.078-.188	5,000	0.12	MS15795-840B	.604-1.469	100	39.17
MS15795-802B	.094-.250	5,000	0.21	MS15795-841B	.188-.438	5,000	1.38
MS15795-803B	.125-.250	5,000	0.22	MS15795-842B	.219-.500	5,000	1.75
MS15795-804B	.125-.312	5,000	0.55	MS15795-843B	.594-1.469	200	40.67
MS15795-805B	.156-.312	5,000	0.50	MS15795-844B	.094-.218	10,000	0.18
MS15795-806B	.156-.375	5,000	1.02	MS15795-845B	.172-.281	5,000	0.33
MS15795-807B	.188-.375	5,000	0.93	MS15795-846B	.203-.375	5,000	0.43
MS15795-808B	.219-.438	2,500	1.23	MS15795-847B	.203-.562	2,500	2.00
MS15795-809B	.250-.562	2,000	3.13	MS15795-848B	.203-.562	2,000	3.57
MS15795-810B	.281-.625	2,000	4.09	MS15795-849B	.203-.625	2,000	3.03
MS15795-811B	.312-.734	1,000	5.67	MS15795-850B	.023-1.062	1,000	4.89
MS15795-812B	.344-.688	1,000	4.63	MS15795-851B	.250-.688	1,000	6.50
MS15795-813B	.375-.875	500	10.75	MS15795-852B	.266-.625	2,000	2.27
MS15795-814B	.405-.812	1,000	6.44	MS15795-853B	.266-.688	2,000	4.08
MS15795-815B	.438-1.000	500	13.50	MS15795-854B	.296-.438	5,000	0.73
MS15795-816B	.469-.922	1,000	7.83	MS15795-855B	.531-1.250	200	28.50
MS15795-817B	.500-1.250	250	21.83	MS15795-856B	.172-.312	5,000	0.46
MS15795-818B	.551-1.062	250	14.13	MS15795-857B	.203-.734	2,000	3.75
MS15795-819B	.562-1.375	200	30.83	MS15795-858B	.266-.458	5,000	0.91
MS15795-820B	.656-1.312	200	22.13				
MS15795-821B	.688-1.750	100	64.75				
MS15795-822B	.812-1.469	100	36.75				
MS15795-823B	.812-1.469	100	91.00				
MS15795-824B	.938-1.750	100	53.75				
MS15795-825B	.938-2.250	50	166.00				
MS15795-826B	1.062-2.000	50	73.00				
MS15795-827B	1.062-2.500	50	168.80				

Steel Cadmium Plated

MILITARY GRADE

Free Manufacturer's
Certifications Available**FLAT WASHERS**
MS27183Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS27183-3	.125-.250	10,000	0.19	MS27183-15	.438-1.000	2,500	8.00
MS27183-4	.125-.312	10,000	0.63	MS27183-18	.551-1.062	2,500	17.00
MS27183-5	.156-.312	10,000	0.41	MS27183-19	.562-1.375	1,000	24.00
MS27183-7	.188-.375	10,000	0.95	MS27183-23	.812-1.469	1,000	38.00
MS27183-8	.219-.438	10,000	2.00	MS27183-25	.938-1.75	500	72.00
MS27183-9	.250-.562	5,000	2.40	MS27183-41	.188-.438	5,000	1.00
MS27183-10	.281-.625	5,000	2.80	MS27183-42	.219-.500	5,000	2.50
MS27183-11	.312-.734	5,000	4.00	MS27183-47	.219-.365	5,000	1.60
MS27183-12	.344-.688	5,000	5.20	MS27183-52	.271-.734	5,000	5.62
MS27183-13	.375-.875	2,500	6.50	MS27183-57	.405-.875	5,000	7.80
MS27183-14	.405-.812	5,000	7.50				

410 Stainless Steel

MILITARY GRADE

Free Manufacturer's
Certifications Available**INTERNAL TOOTH LOCKWASHERS**
MS35333Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35333-69	#2	5,000	0.05	MS35333-75	5/16	2,000	1.23
MS35333-70	#4	5,000	0.14	MS35333-76	3/8	1,000	1.75
MS35333-71	#6	5,000	0.18	MS35333-77	7/16	1,000	2.19
MS35333-72	#8	5,000	0.26	MS35333-78	1/2	1,000	3.40
MS35333-73	#10	4,000	0.38	MS35333-80	5/8	500	5.65
MS35333-74	1/4	4,000	0.65				

Steel Mechanical
Zinc Yellow

MILITARY GRADE

Free Manufacturer's
Certifications Available**INTERNAL TOOTH LOCKWASHERS**
MS35333Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35333-35	#2	10,000	0.05	MS35333-40	1/4	10,000	0.65
MS35333-36	#4	10,000	0.15	MS35333-41	5/16	4,000	1.21
MS35333-37	#6	10,000	0.16	MS35333-42	3/8	3,000	1.77
MS35333-38	#8	10,000	0.28	MS35333-43	7/16	2,500	2.27
MS35333-39	#10	10,000	0.38				

NEW!

MILITARY GRADE



Steel Cadmium Yellow

Free Manufacturer's
Certifications Available**INTERNAL TOOTH LOCKWASHERS**
MS35333Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35333-35CD	#2	10,000	0.04	MS35333-41CD	5/16	4,000	1.20
MS35333-39CD	#10	10,000	0.38	MS35333-43CD	7/16	2,500	2.27
MS35333-40CD	1/4	10,000	0.65	MS35333-44CD	1/2	2,000	3.25

410 Stainless Steel

MILITARY GRADE

Free Manufacturer's
Certifications Available**EXTERNAL TOOTH LOCKWASHERS**
MS35335Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35335-57	#4	5,000	0.09	MS35335-62	5/16	2,000	1.05
MS35335-58	#6	5,000	0.27	MS35335-63	3/8	1,000	1.50
MS35335-59	#8	4,000	0.33	MS35335-64	7/16	1,000	1.50
MS35335-60	#10	4,000	0.38	MS35335-65	1/2	1,000	2.50
MS35335-61	1/4	4,000	0.75				

WASHERS

Spring Steel Mechanical
Zinc Yellow Plated

MILITARY GRADE



Free Manufacturer's
Certifications Available

SPLIT LOCKWASHERS MS35338

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35338-39	#2	5,000	0.10	MS35338-46	3/8	1,000	6.21
MS35338-40	#4	5,000	0.17	MS35338-47	7/16	1,000	8.70
MS35338-41	#6	5,000	0.28	MS35338-48	1/2	1,000	12.33
MS35338-42	#8	5,000	0.52	MS35338-49	9/16	1,000	17.00
MS35338-43	#10	5,000	0.74	MS35338-50	5/8	1,000	22.40
MS35338-44	1/4	2,000	2.45	MS35338-51	3/4	1,000	37.45
MS35338-45	5/16	1,000	3.83				

NEW!

MILITARY GRADE



Spring Steel Cadmium
Yellow Plated

Free Manufacturer's
Certifications Available

SPLIT LOCKWASHERS MS35338

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35338-40CD	#4	5,000	0.15	MS35338-46CD	3/8	1,000	6.31
MS35338-41CD	#6	5,000	0.25	MS35338-47CD	7/16	1,000	8.70
MS35338-42CD	#8	5,000	0.45	MS35338-48CD	1/2	1,000	12.40
MS35338-43CD	#10	5,000	0.71	MS35338-49CD	9/16	1,000	17.00
MS35338-44CD	1/4	2,000	2.40	MS35338-50CD	1/2	1,000	22.90
MS35338-45CD	5/16	1,000	4.00	MS35338-51CD	3/4	1,000	37.00

MILITARY GRADE



316 Stainless Steel

Free Manufacturer's
Certifications Available

SPLIT LOCKWASHERS MS35338

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35338-134	#2	10,000	0.10	MS35338-142	7/16	500	9.00
MS35338-135	#4	10,000	0.17	MS35338-143	1/2	500	12.33
MS35338-136	#6	5,000	0.28	MS35338-144	9/16	500	17.35
MS35338-137	#8	5,000	0.48	MS35338-145	5/8	500	22.60
MS35338-138	#10	3,000	0.66	MS35338-146	3/4	250	36.55
MS35338-139	1/4	3,000	2.47	MS35338-147	7/8	100	59.05
MS35338-140	5/16	2,000	3.90	MS35338-148	1	100	85.75
MS35338-141	3/8	1,000	6.21				

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420 Stainless Steel

MILITARY GRADE



Free Manufacturer's
Certifications Available

SPLIT LOCKWASHERS MS35338

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS35338-153	#2	10,000	0.07	MS35338-158	1/4	3,000	2.03
MS35338-154	#4	10,000	0.15	MS35338-159	5/16	2,000	3.60
MS35338-155	#6	5,000	0.25	MS35338-160	3/8	1,000	5.83
MS35338-156	#8	5,000	0.46	MS35338-161	7/16	500	8.40
MS35338-157	#10	3,000	0.65	MS35338-162	1/2	250	11.93

MILITARY GRADE



Spring Steel Zinc-II Finish

Free Manufacturer's
Certifications Available

HIGH COLLAR SPLIT LOCKWASHERS MS51848

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS51848-7	#6	10,000	0.18	MS51848-11	5/16	5,000	2.00
MS51848-8	#8	7,500	0.39	MS51848-12	3/8	2,500	3.88
MS51848-9	#10	7,500	0.43	MS51848-14	1/2	2,000	9.60
MS51848-10	1/4	5,000	2.42				

MILITARY GRADE



Spring Steel
Black Phosphate Finish

Free Manufacturer's
Certifications Available

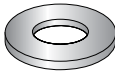
HIGH COLLAR SPLIT LOCKWASHERS MS51848

Tested and Certified to Military Standards
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
MS51848-27	#6	10,000	0.19	MS51848-31	5/16	5,000	1.90
MS51848-28	#8	7,500	0.38	MS51848-32	3/8	2,500	3.86
MS51848-29	#10	7,500	0.40	MS51848-34	1/2	2,000	9.67
MS51848-30	1/4	5,000	0.97				

300-series Stainless Steel

MILITARY GRADE


Free Manufacturer's
Certifications Available

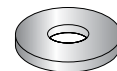
FLAT WASHERS NAS620 AND NAS620L

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
NAS620-C0	#0	10,000	0.02	NAS620-C3L	#3L	10,000	0.20
NAS620-C2	#2	10,000	0.05	NAS620-C4L	#4L	10,000	0.10
NAS620-C3	#3	10,000	0.14	NAS620-C5L	#5L	10,000	0.13
NAS620-C4	#4	10,000	0.20	NAS620-C6L	#6L	10,000	0.17
NAS620-C5	#5	10,000	0.27	NAS620-C8L	#8L	10,000	0.24
NAS620-C6	#6	10,000	0.35	NAS620-C10L	#10L	5,000	0.59
NAS620-C8	#8	10,000	0.44	NAS620-C416L	1/4 L	5,000	1.08
NAS620-C10	#10	5,000	1.13				
NAS620-C416	1/4	5,000	2.00				

18-8 Stainless Steel

MILITARY GRADE


Free Manufacturer's
Certifications Available

FLAT WASHERS NAS1149

Tested and Certified to Military Standards / Parts are DFAR-Compliant
All Items Are Made In The U.S.A.

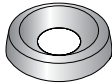
Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1149CN016R	0x.016	10,000	0.10	1149C0316R	10x.016	5,000	0.54
1149CN032R	0x.032	10,000	0.19	1149C0332R	10x.032	5,000	1.00
				1149C0363R	10x.063	5,000	1.81
1149CN216R	2x.016	10,000	0.18				
1149CN232R	2x.032	10,000	0.34	1149C0416R	1/4x.016	5,000	0.63
				1149C0432R	1/4x.032	5,000	1.17
1149CN316R	3x.016	10,000	0.18	1149C0463R	1/4x.063	5,000	1.40
1149CN332R	3x.032	10,000	0.34				
				1149C0516R	5/16x.016	5,000	0.73
1149CN416R	4x.016	10,000	0.30	1149C0532R	5/16x.032	5,000	1.34
1149CN432R	4x.032	10,000	0.56	1149C0563R	5/16x.063	5,000	2.47
1149CN516R	5x.016	10,000	0.64	1149C0616R	3/8x.016	5,000	0.82
1149CN532R	5x.032	10,000	1.12	1149C0632R	3/8x.032	5,000	1.59
				1149C0663R	3/8x.063	3,000	2.84
1149CN616R	6x.016	10,000	0.41				
1149CN632R	6x.032	10,000	0.75	1149C0716R	7/16x.016	3,000	1.25
				1149C0732R	7/16x.032	3,000	2.39
1149CN816R	8x.016	10,000	0.38	1149C0763R	7/16x.063	2,000	4.41
1149CN832R	8x.032	10,000	0.73				
				1149C0816R	1/2x.016	3,000	1.83
				1149C0832R	1/2x.032	3,000	3.22
				1149C0863R	1/2x.063	2,000	6.12

Our Newest Military Washer Categories:

MS35333 *Internal Tooth*—Steel Cadmium II

MS35338 *Helical Split* — Steel Cadmium II

18-8 Stainless Steel

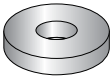


COUNTERSUNK FINISHING WASHERS

To be used with Flat Head or Oval Head Screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WC188	4	10,000	0.49	12WC188	12	4,000	2.00
06WC188	6	10,000	0.80	14WC188	1/4	2,500	2.40
08WC188	8	10,000	1.00	31WC188	5/16	1,500	3.90
10WC188	10	8,000	1.50	37WC188	3/8	1,000	6.30

18-8 Stainless Steel

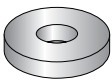


STANDARD FLAT WASHERS

18-8 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1410WF188	1/4X5/8X.05	5,000	2.70	4318WF188	7/16X1 1/8X.06	2,000	13.00
1412WF188	1/4X3/4X.05	1,000	3.00	5020WF188	1/2X1 1/4X.06	1,000	16.00
3110WF188	5/16X5/8X.05	1,000	4.00	6224WF188	5/8X1 1/2X.08	500	30.00
3112WF188	5/16X3/4X.05	5,000	4.36	7528WF188	3/4X1 3/4X.11	500	52.00
3114WF188	5/16X7/8X.05	1,000	5.20	8732WF188	7/8X2X.11	300	68.00
3116WF188	5/16X1X.05	1,000	6.40	10032WF188	1X2X.12	100	63.00
3712WF188	3/8X3/4X.05	1,000	4.05				
3714WF188	3/8X7/8X.05	3,000	6.15				
3716WF188	3/8X1X.05	2,000	8.50				

316 Stainless Steel

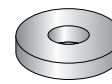


STANDARD FLAT WASHERS

316 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1410WF316	1/4X5/8X.04	5,000	3.09	6220WF316	5/8X1 1/4X.07	500	30.00
1411WF316	1/4X11/16X.04	5,000	4.10	6224WF316	5/8X1 1/2X.07	500	28.00
3112WF316	5/16X3/4X.04	5,000	4.36	7528WF316	3/4X1 3/4X.1	500	41.00
3714WF316	3/8X7/8X.04	3,000	6.00	8732WF316	7/8X2X.1	300	64.00
3716WF316	3/8X1X.04	2,000	8.50	8736WF316	7/8X2 1/4X.1	100	90.00
5020WF316	1/2X1 1/4X.06	1,000	16.00	10032WF316	1X2X.12	100	61.25
				10040WF316	1X2 1/2X.12	100	110.21

18-8 Stainless Steel

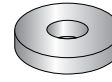


FLAT USS WASHERS

Manufactured to ASME B18.22.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WUSS188	#10	5,000	2.90	50WUSS188	1/2	500	38.50
14WUSS188	1/4 INCH	1,000	6.70	62WUSS188	5/8	500	77.00
31WUSS188	5/16	1,000	11.50	75WUSS188	3/4	500	110.00
37WUSS188	3/8	1,000	14.90				

316 Stainless Steel

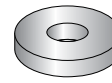


FLAT USS WASHERS

Manufactured to ASME B18.22.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WUSS316	#10	5,000	2.90	37WUSS316	3/8	1,000	14.90
14WUSS316	1/4	1,000	6.70	50WUSS316	1/2	500	38.50
31WUSS316	5/16	1,000	11.50				

18-8 Stainless Steel

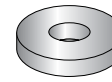


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WSAE188	#4	5,000	0.60	31WSAE188	5/16	1,000	5.75
06WSAE188	#6	5,000	1.30	37WSAE188	3/8	1,000	6.25
08WSAE188	#8	5,000	1.65	50WSAE188	1/2	500	14.00
10WSAE188	#10	5,000	2.30	75WSAE188	3/4	500	37.50
14WSAE188	1/4	1,000	3.80				

316 Stainless Steel

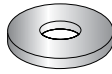


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSAE316	#10	5,000	1.67	50WSAE316	1/2	500	14.40
14WSAE316	1/4	1,000	3.89	62WSAE316	5/8	300	21.20
31WSAE316	5/16	1,000	4.32	75WSAE316	3/4	200	37.60
37WSAE316	3/8	1,000	6.13	100WSAE316	1	200	70.75

18-8 Stainless Steel

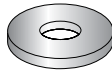


FENDER WASHERS

Used when an extra wide bearing surface is required
18-8 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1011WF188	10X11/16X.05	5,000	13.20	3720WF188	3/8X1 1/4X.05	1,000	11.50
1016WF188	10X1X.05	5,000	14.29	3724WF188	3/8X1 1/2X.06	1,000	30.30
1020WF188	10X1 1/4X.05	3,000	15.00	3728WF188	3/8X1 3/4X.06	800	36.30
1024WF188	10X1 1/2X.05	1,500	9.50	3732WF188	3/8X2X.06	500	34.00
1416WF188	1/4X1X.05	3,000	14.65	5024WF188	1/2X1 1/2X.06	500	18.00
1420WF188	1/4X1 1/4X.05	3,000	21.74	5028WF188	1/2X1 3/4X.06	500	35.55
1424WF188	1/4X1 1/2X.06	1,000	23.50	5032WF188	1/2X2X.06	500	52.63
1432WF188	1/4X2X.06	1,000	50.45	5040WF188	1/2X2 1/2X.06	500	76.00
3120WF188	5/16X1 1/4X.05	1,000	20.83	6232WF188	5/8X2X.07	500	43.50
3124WF188	5/16X1 1/2X.06	1,000	31.25	7532WF188	3/4X2X.07	500	52.00
3128WF188	5/16X1 3/4X.06	1,000	37.60				
3132WF188	5/16X2X.06	1,000	48.45				

316 Stainless Steel

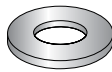


FENDER WASHERS

Used when an extra wide bearing surface is required
316 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1416WF316	1/4X1	3,000	14.65	3720WF316	3/8X1 1/4	1,000	11.50
1420WF316	1/4X1 1/4	3,000	21.70	3724WF316	3/8X1 1/2	1,000	30.30
3116WF316	5/16X1	1,000	6.40	5024WF316	1/2X1 1/2	500	18.00
3120WF316	5/16X1 1/4	1,000	20.83	5032WF316	1/2X2	500	52.63
3124WF316	5/16X1 1/2	1,000	31.25	8740WF316	7/8X2 1/2	100	68.00

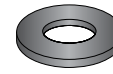
18-8 Stainless Steel



MACHINE SCREW WASHERS

18-8 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WM188	#2	5,000	0.25	10WM188	#10	5,000	0.95
04WM188	#4	5,000	0.36	12WM188	#12	5,000	1.50
06WM188	#6	5,000	0.67	14WM188	1/4	1,000	2.48
08WM188	#8	5,000	0.78				

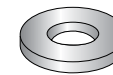
 18-8 Stainless Steel with
Black Oxide Finish


MACHINE SCREW WASHERS

18-8 Stainless Steel With Black Oxide Finish

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WM188B	#4	5,000	0.36	10WM188B	#10	5,000	0.90
06WM188B	#6	5,000	0.67	14WM188B	1/4	1,000	2.96
08WM188B	#8	5,000	0.63				

300-Series Stainless

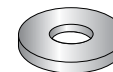


FLAT TYPE B—NARROW SERIES WASHERS

All Items are manufactured in the U.S.A.
Manufactured to ASME B18.21.1 specifications
300-Series Stainless Steel / DFARS-Compliant

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
0WFBN300	#0	10,000	0.05	31WFBN300	0.312	2,000	3.75
01WFBN300	#1	10,000	0.10	37WFBN300	0.375	2,000	4.71
02WFBN300	#2	10,000	0.13	43WFBN300	0.4375	1,000	7.06
03WFBN300	#3	10,000	0.21	50WFBN300	0.5	1,000	9.30
04WFBN300	#4	10,000	0.32	56WFBN300	0.5625	500	11.60
05WFBN300	#5	10,000	0.38	62WFBN300	0.625	250	24.83
06WFBN300	#6	10,000	0.50	75WFBN300	0.75	200	26.75
08WFBN300	#8	10,000	0.93	87WFBN300	0.875	250	27.33
10WFBN300	#10	10,000	1.06	100WFBN300	1	100	42.50
12WFBN300	#12	5,000	1.17	112WFBN300	1.125	100	56.75
14WFBN300	0.25	5,000	2.08				

300-Series Stainless

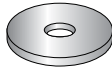


FLAT TYPE B—REGULAR SERIES WASHERS

All Items are manufactured in the U.S.A.
Manufactured to ASME B18.21.1 specifications
300-Series Stainless Steel / DFARS-Compliant

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
0WFBR300	#0	10,000	0.14	31WFBR300	0.312	1,000	8.44
01WFBR300	#1	10,000	0.20	37WFBR300	0.375	1,000	10.93
02WFBR300	#2	10,000	0.36	43WFBR300	0.4375	500	14.00
03WFBR300	#3	10,000	0.58	50WFBR300	0.5	250	28.67
04WFBR300	#4	10,000	1.09	56WFBR300	0.5625	250	41.00
05WFBR300	#5	10,000	1.25	62WFBR300	0.625	200	58.33
06WFBR300	#6	5,000	1.46	75WFBR300	0.75	100	73.75
08WFBR300	#8	5,000	1.92	87WFBR300	0.875	50	144.50
10WFBR300	#10	5,000	2.44	100WFBR300	1	50	178.50
12WFBR300	#12	2,000	3.93	112WFBR300	1.125	25	205.75
14WFBR300	0.25	2,000	5.86				

300-Series Stainless



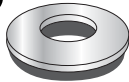
FLAT TYPE B—WIDE SERIES WASHERS

All Items are manufactured in the U.S.A.
Manufactured to ASME B18.21.1 specifications
300-Series Stainless Steel / DFARS-Compliant

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
0WFBW300	#0	10,000	0.28	14WFBW300	0.25	1,000	12.07
01WFBW300	#1	10,000	0.50	31WFBW300	0.312	1,000	14.70
02WFBW300	#2	10,000	0.70	37WFBW300	0.375	250	31.13
03WFBW300	#3	5,000	1.35	43WFBW300	0.4375	250	43.17
04WFBW300	#4	5,000	1.53	50WFBW300	0.5	200	61.50
05WFBW300	#5	10,000	2.10	56WFBW300	0.5625	100	81.25
06WFBW300	#6	5,000	2.58	62WFBW300	0.625	100	162.25
08WFBW300	#8	2,000	4.83	75WFBW300	0.75	50	194.25
10WFBW300	#10	2,000	6.35	87WFBW300	0.875	50	226.00
12WFBW300	#12	1,000	9.06				

NEW!

18-8 Stainless Steel



EPDM BONDED WASHERS

18-8 Stainless Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1008WN188	10X1/2	8,000	2.10	4314WN188	7/16X7/8	2,500	5.25
1209WN188	12X9/16	7,000	2.43	5016WN188	1/2X1	2,000	7.20
1410WN188	1/4X5/8	5,000	3.19	7524WN188	3/4X1 1/2	500	15.83
3712WN188	3/8X3/4	4,000	3.67	10032WN188	1X2	250	30.17

18-8 Stainless Steel



REGULAR SPLIT LOCKWASHERS

Made from SAE J405 302-305 Stainless Steel
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WS188	#2	10,000	0.11	37WS188	3/8	3,000	6.20
04WS188	#4	10,000	0.22	43WS188	7/16	500	9.06
06WS188	#6	10,000	0.30	50WS188	1/2	1,000	12.68
08WS188	#8	10,000	0.49	62WS188	5/8	500	23.60
10WS188	#10	10,000	0.70	75WS188	3/4	100	38.70
12WS188	#12	5,000	1.10	87WS188	7/8	100	59.80
14WS188	1/4	5,000	2.40	100WS188	1 Inch	50	86.50
31WS188	5/16	3,000	4.00				

18-8 Stainless Steel
with Black Oxide Finish

REGULAR SPLIT LOCKWASHERS

Made from SAE J405 302-305 Stainless Steel
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WS188B	#2	10,000	0.10	10WS188B	#10	10,000	0.60
04WS188B	#4	10,000	0.16	14WS188B	1/4	5,000	2.15
06WS188B	#6	10,000	0.26	31WS188B	5/16	3,000	3.58
08WS188B	#8	10,000	0.39	37WS188B	3/8	3,000	5.79

316 Stainless Steel



REGULAR SPLIT LOCKWASHERS

Made from SAE J405 302-305 Stainless Steel
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WS316	#2	1,000	0.11	31WS316	5/16	1,000	3.88
04WS316	#4	1,000	0.19	37WS316	3/8	500	6.02
06WS316	#6	1,000	0.28	50WS316	1/2	500	12.68
08WS316	#8	1,000	0.35	62WS316	5/8	100	23.60
10WS316	#10	1,000	0.83	75WS316	3/4	100	37.56
14WS316	1/4	1,000	2.15				

18-8 Stainless Steel



HEAVY SPLIT LOCKWASHERS

Made from SAE J405 302-305 Stainless Steel
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSV188	#10	7,500	0.80	43WSV188	7/16	2,125	10.93
14WSV188	1/4	8,750	2.69	50WSV188	1/2	1,500	15.22
31WSV188	5/16	5,000	4.75	62WSV188	5/8	800	27.80
37WSV188	3/8	3,125	7.38	75WSV188	3/4	450	45.85

18-8 Stainless Steel



HIGH COLLAR SPLIT LOCKWASHERS

To be used with Socket Cap Screws
Hardness: Rockwell C35 - 43 (all sizes thru 5/8")
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WSH188	#2	2,500	0.08	14WSH188	1/4	2,500	1.05
04WSH188	#4	2,500	0.05	31WSH188	5/16	2,500	2.00
06WSH188	#6	2,500	0.15	37WSH188	3/8	2,500	3.90
08WSH188	#8	2,500	0.39	43WSH188	7/16	2,500	6.00
10WSH188	#10	2,500	0.46	50WSH188	1/2	2,250	9.13

410 Stainless Steel

**EXTERNAL TOOTH
LOCKWASHERS**

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WE410	#2	10,000	0.04	31WE410	5/16	5,000	1.06
04WE410	#4	10,000	0.10	37WE410	3/8	2,000	1.50
06WE410	#6	10,000	0.15	43WE410	7/16	2,000	1.59
08WE410	#8	10,000	0.19	50WE410	1/2	2,000	2.80
10WE410	#10	10,000	0.39	62WE410	5/8	2,000	5.13
14WE410	1/4	5,000	0.65	75WE410	3/4	1,000	6.25

18-8 Stainless Steel

**EXTERNAL TOOTH
LOCKWASHERS**

Annealed: Rockwell B88 minimum, 1/4 hard thru full hard: Rockwell C 20-45
Manufactured to ASME B18.21.1 specifications

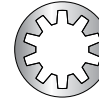
Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WE188	#2	10,000	0.04	31WE188	5/16	5,000	1.30
04WE188	#4	10,000	0.09	37WE188	3/8	2,000	1.38
06WE188	#6	10,000	0.19	43WE188	7/16	2,000	1.60
08WE188	#8	10,000	0.31	50WE188	1/2	2,000	2.90
10WE188	#10	10,000	0.39	62WE188	5/8	1,000	5.07
12WE188	#12	5,000	0.58	75WE188	3/4	1,000	6.60
14WE188	1/4	5,000	0.66				

**18-8 Stainless Steel with
Black Oxide Finish**

**EXTERNAL TOOTH
LOCKWASHERS**

Annealed: Rockwell B88 minimum, 1/4 hard thru full hard: Rockwell C 20-45
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WE188B	#4	10,000	0.09	14WE188B	1/4	5,000	0.66
06WE188B	#6	10,000	0.20	31WE188B	5/16	5,000	1.30
08WE188B	#8	10,000	0.30	37WE188B	3/8	2,000	1.37
10WE188B	#10	10,000	0.37				

410 Stainless Steel

**INTERNAL TOOTH
LOCKWASHERS**

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WI410	#2	10,000	0.05	12WI410	#12	5,000	0.42
04WI410	#4	10,000	0.13	14WI410	1/4	5,000	0.62
06WI410	#6	10,000	0.18	31WI410	5/16	5,000	1.14
08WI410	#8	10,000	0.26	37WI410	3/8	2,000	1.79
10WI410	#10	10,000	0.36	50WI410	1/2	2,000	3.17
				62WI410	5/8	2,000	5.65

18-8 Stainless Steel

**INTERNAL TOOTH
LOCKWASHERS**

Annealed: Rockwell B88 minimum, 1/4 hard thru full hard: Rockwell C 20-45
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WI188	#2	10,000	0.05	31WI188	5/16	5,000	1.17
04WI188	#4	10,000	0.13	37WI188	3/8	2,000	1.91
06WI188	#6	10,000	0.18	50WI188	1/2	2,000	3.40
08WI188	#8	10,000	0.23	56WI188	9/16	1,000	3.71
10WI188	#10	10,000	0.32	62WI188	5/8	1,000	5.07
12WI188	#12	5,000	0.58	75WI188	3/4	1,000	6.50
14WI188	1/4	5,000	0.58				

18-8 Stainless Steel

**COMBINATION TOOTH
LOCKWASHERS**

Annealed: Rockwell B88 minimum, 1/4 hard thru full hard: Rockwell C 20-45
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WEI188	#4	5,000	0.63	14WEI188	1/4	5,000	2.75
06WEI188	6	5,000	0.76	31WEI188	5/16	3,750	3.88
08WEI188	8	5,000	1.46	37WEI188	3/8	500	4.44
10WEI188	10	5,000	1.45	50WEI188	1/2	500	8.07

18-8 Stainless Steel

**COUNTERSUNK EXTERNAL TOOTH
LOCKWASHERS**

Annealed: Rockwell B88 minimum, 1/4 hard thru full hard: Rockwell C 20-45
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WEC188	#6	1,000	0.16	12WEC188	#12	1,000	0.52
08WEC188	#8	1,000	0.25	14WEC188	1/4	1,000	0.60
10WEC188	#10	1,000	0.45				

Washers

Spring Steel
Zinc Plated



EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WE	#2	10,000	0.04	31WE	5/16	9,000	1.30
03WE	#3	10,000	0.07	37WE	3/8	6,000	1.38
04WE	#4	10,000	0.09	43WE	7/16	6,000	1.59
05WE	#5	10,000	0.13	50WE	1/2	4,000	3.58
06WE	#6	10,000	0.19	56WE	9/16	2,000	4.13
08WE	#8	10,000	0.31	62WE	5/8	2,000	4.67
10WE	#10	10,000	0.39	75WE	3/4	2,000	5.90
12WE	#12	10,000	0.58	87WE	7/8	1,000	6.09
14WE	1/4	10,000	0.66	100WE	1 INCH	1,000	14.40

Spring Steel Zinc
Plated



INTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WI	#2	10,000	0.05	43WI	7/16	6,000	2.31
03WI	#3	10,000	0.10	50WI	1/2	4,000	3.26
04WI	#4	10,000	0.13	56WI	9/16	2,000	4.46
05WI	#5	10,000	0.13	62WI	5/8	2,000	5.65
06WI	#6	10,000	0.18	75WI	3/4	2,000	7.48
08WI	#8	10,000	0.23	87WI	7/8	2,000	9.08
10WI	#10	10,000	0.32	100WI	1 INCH	1,000	15.00
12WI	#12	10,000	0.43	112WI	1 1/8	900	20.13
14WI	1/4	10,000	0.58	125WI	1 1/4	750	0.73
31WI	5/16	9,000	1.17	137WI	1 3/8	600	18.20
37WI	3/8	6,000	1.91	162WI	1 5/8	300	24.10
				125WPIPE	1/8 PIPE	6,000	0.68

Spring Steel
Zinc Plated



COMBINATION TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WEI	#4	10,000	0.09	31WEI	5/16	7,500	3.20
06WEI	6	10,000	0.78	37WEI	3/8	6,000	4.20
08WEI	8	10,000	0.80	43WEI	7/16	4,000	5.60
10WEI	10	10,000	1.30	50WEI	1/2	1,000	12.53
14WEI	1/4	10,000	2.23	62WEI	5/8	500	14.00

Spring Steel
Zinc Plated

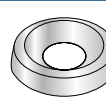


COUNTERSUNK EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WEC	2	5,000	0.05	12WEC	12	10,000	0.55
04WEC	4	10,000	0.13	14WEC	1/4	10,000	0.66
06WEC	6	10,000	0.16	31WEC	5/16	9,000	1.26
08WEC	8	10,000	0.33	37WEC	3/8	6,000	3.00
10WEC	10	10,000	0.43	50WEC	1/2	1,000	4.88

Steel Nickel Plated



COUNTERSUNK FINISHING WASHERS

For use with 82° countersunk screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WC	4	10,000	0.49	12WC	12	4,000	2.13
06WC	6	10,000	0.67	14WC	1/4	2,500	2.47
08WC	8	10,000	0.87	31WC	5/16	1,500	3.90
10WC	10	8,000	1.15	37WC	3/8	1,000	6.35

Spring Steel Zinc
Plated and Baked



REGULAR SPLIT LOCKWASHERS

Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WS	#2	30,000	0.11	50WS	1/2	2,000	12.68
03WS	3	30,000	0.15	56WS	9/16	1,500	17.72
04WS	4	30,000	0.19	62WS	5/8	1,000	23.60
05WS	5	30,000	0.25	75WS	3/4	500	37.56
06WS	6	30,000	0.28	87WS	7/8	350	59.80
08WS	8	20,000	0.40	100WS	1 INCH	250	87.12
10WS	10	15,000	0.83	112WS	1 1/8	200	120.80
12WS	12	10,000	1.10	125WS	1 1/4	130	154.00
14WS	1/4	10,000	2.15	137WS	1 3/8	100	218.00
31WS	5/16	4,500	3.88	150WS	1 1/2	80	282.00
37WS	3/8	3,000	6.02	175WS	1 3/4	50	334.00
43WS	7/16	2,500	9.06	200WS	2 INCH	50	386.50

Steel Mechanically
Zinc Plated


HEAVY SPLIT LOCKWASHERS

 Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSV	#10	15,000	0.75	62WSV	5/8	1,625	31.50
14WSV	1/4	17,500	2.90	75WSV	3/4	875	51.70
31WSV	5/16	10,000	5.00	87WSV	7/8	625	78.80
37WSV	3/8	6,250	7.70	100WSV	1 INCH	375	115.00
43WSV	7/16	4,250	11.50	112WSV	1 1/8	300	167.83
50WSV	1/2	3,000	16.40	125WSV	1 1/4	150	169.55

Steel Plain Finish



HEAVY SPLIT LOCKWASHERS

 Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSVP	#10	15,000	0.80	56WSVP	9/16	2,125	21.10
31WSVP	5/16	10,000	4.63	62WSVP	5/8	1,625	28.10
37WSVP	3/8	6,250	7.25	75WSVP	3/4	875	46.75
43WSVP	7/16	4,250	10.67	87WSVP	7/8	625	70.50
50WSVP	1/2	3,000	15.50	100WSVP	1 INCH	375	101.33

 New
Sizes!

 Steel Mechanically
Zinc Yellow Plated


EXTRA DUTY HELICAL SPLIT LOCKWASHERS

 Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSXVY	#10	7,000	2.11	62WSXVY	5/8	1,000	36.00
14WSXVY	1/4	5,000	3.64	75WSXVY	3/4	500	60.07
31WSXVY	5/16	4,000	6.40	87WSXVY	7/8	250	94.50
37WSXVY	3/8	3,000	9.73	100WSXVY	1	150	143.00
50WSXVY	1/2	1,500	20.20				

 AISI 4037 Alloy Steel*
Mechanically Zinc
Yellow Plated

 Free Manufacturer's
Certifications Available

HIGH ALLOY REGULAR SPLIT LOCKWASHERS

 To be used with Grades 5 & 8 Fastenings
Manufactured to ASME B18.21.1 specifications
*All sizes over 1" are Heavy Split Lockwashers made of 1055-1065 carbon steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WS8	1/4	2,000	2.39	75WS8	3/4	100	37.20
31WS8	5/16	1,500	3.90	87WS8	7/8	100	58.80
37WS8	3/8	1,000	6.35	100WS8	1 INCH	70	82.14
43WS8	7/16	700	9.20				
50WS8	1/2	500	12.54	*112WS8	1 1/8	50	110.60
56WS8	9/16	300	16.93	*125WS8	1 1/4	40	157.25
62WS8	5/8	300	22.46	*150WS8	1 1/2	25	263.60

Steel Plain Finish

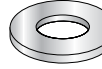


HIGH COLLAR SPLIT LOCKWASHERS

 To be used with Socket Cap Screws
Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WSH	4	5,000	0.06	56WSH	9/16	3,000	13.37
06WSH	6	5,000	0.15	62WSH	5/8	2,500	16.99
08WSH	8	5,000	0.41	75WSH	3/4	1,375	27.41
10WSH	10	5,000	0.44	87WSH	7/8	900	40.66
14WSH	1/4	5,000	1.03	100WSH	1 INCH	650	56.24
31WSH	5/16	5,000	1.96	112WSH	1 1/8	475	89.09
37WSH	3/8	5,000	3.82	125WSH	1 1/4	450	97.58
43WSH	7/16	5,000	6.17	150WSH	1 1/2	225	175.07
50WSH	1/2	4,500	9.71				

Steel Zinc

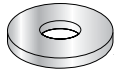


MACHINE SCREW WASHERS

Steel Zinc Plated

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WM	2	10,000	0.16	10WM	10	10,000	0.95
03WM	3	10,000	0.22	12WM	12	10,000	2.01
04WM	4	10,000	0.31	14WM	1/4	10,000	2.48
05WM	5	10,000	0.33	31WM	5/16	10,000	4.02
06WM	6	10,000	0.80	37WM	3/8	10,000	6.54
08WM	8	10,000	0.78				

Steel Zinc Plated

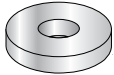


FENDER WASHERS

Used when an extra wide bearing surface is required.
Steel Zinc Plated

Part #	Size	Ctn Qty	Approx. # Pcs/Box	Part #	Size	Ctn Qty	Approx. # Pcs/Box
1012WF	10X3/4	50	8,000	3720WF	3/8X1 1/4	50	3,000
1014WF	10X7/8	50	5,000	3724WF	3/8X1 1/2	50	2,000
1016WF	10X1	50	3,500	3728WF	3/8X1 3/4	50	1,145
1020WF	10X1 1/4	50	3,000	3732WF	3/8X2	50	950
1032WF	10X2	50	796	3740WF	3/8X2 1/2	50	668
1416WF	1/4X1	50	3,751	5020WF	1/2X1 1/4	50	3,690
1420WF	1/4X1 1/4	50	2,304	5024WF	1/2X1 1/2	50	1,984
1424WF	1/4X1 1/2	50	1,550	5028WF	1/2X1 3/4	50	1,145
1428WF	1/4X1 3/4	50	1,100	5032WF	1/2X2	50	950
1432WF	1/4X2	50	810	5040WF	1/2X2 1/2	50	668
3120WF	5/16X1 1/4	50	2,400	5048WF	1/2X3	50	355
3124WF	5/16X1 1/2	50	1,600	6232WF	5/8X2	50	866
3132WF	5/16X2	50	820	6248WF	5/8X3	50	365
3140WF	5/16X2 1/2	50	500				

Steel Zinc Plated



FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box	Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box
04WSAE	#4	10	16,660	56WSAE	9/16	50	2,250
06WSAE	#6	50	39,500	62WSAE	5/8	50	1,850
08WSAE	#8	50	29,500	75WSAE	3/4	50	1,050
10WSAE	#10	50	22,750	87WSAE	7/8	50	775
12WSAE	#12	50	14,705	100WSAE	1 INCH	50	585
14WSAE	1/4 INCH	50	11,100	112WSAE	1 1/8	50	460
31WSAE	5/16	50	9,750	125WSAE	1 1/4	50	335
37WSAE	3/8	50	7,000	137WSAE	1 3/8	50	275
43WSAE	7/16	50	5,500	150WSAE	1 1/2	50	230
50WSAE	1/2	50	2,800				

NEW!

Steel Zinc



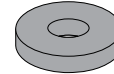
FLAT SAE WASHERS

ALL SIZES MADE IN THE U.S.A.

Manufactured to ASME B18.22.1 specifications
Steel Zinc Plated

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WSAED	#6	20,000	1.31	43WSAED	7/16	3,700	10.60
08WSAED	#8	15,000	1.66	50WSAED	1/2	2,000	14.10
10WSAED	#10	10,000	2.30	56WSAED	9/16	2,000	16.50
12WSAED	#12	5,000	3.17	62WSAED	5/8	1,300	22.83
14WSAED	1/4	9,000	3.86	75WSAED	3/4	900	37.50
31WSAED	5/16	8,000	5.80	87WSAED	7/8	500	53.38
37WSAED	3/8	5,000	6.28	100WSAED	1 INCH	400	69.67

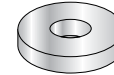
Steel Plain Finish



FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

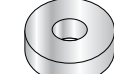
Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box	Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box
37WSAEP	3/8	50	6,944				

Steel Zinc Yellow Plated
and Baked after PlatingFree Manufacturer's
Certifications Available

THRU-HARDENED FLAT SAE WASHERS

Hardness: Rockwell C38 - 45
Manufactured to ASME B18.22.1 specifications
& Hardness of HRC 38-45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WSAEH	#6	5,000	1.08	56WSAEH	9/16	400	24.25
08WSAEH	#8	5,000	1.44	62WSAEH	5/8	400	32.00
10WSAEH	#10	5,000	1.87	75WSAEH	3/4	400	38.40
12WSAEH	#12	5,000	2.90	87WSAEH	7/8	200	72.00
14WSAEH	1/4	4,000	3.85	100WSAEH	1 INCH	200	80.80
31WSAEH	5/16	3,000	4.70	112WSAEH	1 1/8	140	107.20
37WSAEH	3/8	2,000	6.20	125WSAEH	1 1/4	120	131.00
43WSAEH	7/16	1,400	8.70	150WSAEH	1 1/2	80	195.75
50WSAEH	1/2	800	17.40	175WSAEH	1 3/4	60	328.00

Steel Mechanically
Zinc Yellow Plated
and Baked after PlatingFree Manufacturer's
Certifications Available

DOMESTIC HEAVY DUTY FLAT SAE THRU-HARD WASHERS (EXTRA THICK)

All Items are Made in the U.S.A.
Hardness: Rockwell C38 - 45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WSAETH	1/4	9,400	4.80	56WSAETH	9/16	1,600	28.80
31WSAETH	5/16	8,000	6.80	62WSAETH	5/8	1,150	40.00
37WSAETH	3/8	5,300	9.40	75WSAETH	3/4	950	49.50
43WSAETH	7/16	3,600	13.30	87WSAETH	7/8	650	70.80
50WSAETH	1/2	2,000	23.50	100WSAETH	1 INCH	500	90.00

Steel EcoGuard™
1000-hour Gray/Silver
coating



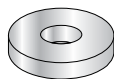
100% Made in U.S.A.
Free Manufacturer's
Certifications Available

SAE THRU-HARDENED FLAT WASHERS FOR GRADE-9 APPLICATIONS

Nominal dimensions to ASME B18.21.1 / DFAR-Compliant
Carbon or Alloy Steel / Hardness: Rockwell C38-45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WSAE9	1/4	10,000	5.10	50WSAE9	1/2	2,000	23.50
31WSAE9	5/16	7,500	6.38	62WSAE9	5/8	1,250	38.75
37WSAE9	3/8	5,000	8.67	75WSAE9	3/4	500	45.25
43WSAE9	7/16	3,750	12.77				

Steel Zinc Plated



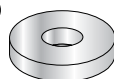
FLAT USS WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box	Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box
10WUSS	#10	50	18,050	112WUSS	1 1/8	50	225
14WUSS	1/4 INCH	50	7,450	125WUSS	1 1/4	50	190
31WUSS	5/16	50	4,350	137WUSS	1 3/8	50	150
37WUSS	3/8	50	2,940	150WUSS	1 1/2	50	130
43WUSS	7/16	50	2,050	162WUSS	1 5/8	50	115
50WUSS	1/2	50	1,300	175WUSS	1 3/4	50	100
56WUSS	9/16	50	1,100	187WUSS	1 7/8	50	90
62WUSS	5/8	50	650	200WUSS	2 INCH	50	79
75WUSS	3/4	50	455	225WUSS	2 1/4	50	60
87WUSS	7/8	50	325	250WUSS	2 1/2	50	52
100WUSS	1 INCH	50	265	275WUSS	2 3/4	50	45
				300WUSS	3 INCH	50	43

Steel Zinc

NEW!

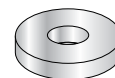


FLAT USS WASHERS ALL SIZES MADE IN THE U.S.A.

Manufactured to ASME B18.22.1 specifications
Steel Zinc Plated

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WUSSD	#10	5,000	2.80	62WUSSD	5/8	600	63.63
14WUSSD	1/4	6,000	5.07	75WUSSD	3/4	400	91.67
31WUSSD	5/16	4,000	9.25	87WUSSD	7/8	300	128.00
37WUSSD	3/8	2,500	12.75	100WUSSD	1 INCH	200	159.25
43WUSSD	7/16	1,500	20.38	112WUSSD	1 1/8	175	185.00
50WUSSD	1/2	1,200	30.50	125WUSSD	1 1/4	125	219.75
56WUSSD	9/16	1,100	39.40	150WUSSD	1 1/2	75	373.75

Steel Zinc Yellow Plated
and Baked after Plating



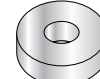
Free Manufacturer's
Certifications Available

THRU-HARDENED FLAT USS WASHERS

Hardness: Rockwell C38 - 45
Manufactured to ASME B18.22.1 specifications
& Hardness of HRC 38-45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WUSSH	1/4	2,000	6.20	75WUSSH	3/4	200	115.60
31WUSSH	5/16	1,400	8.30	87WUSSH	7/8	100	138.00
37WUSSH	3/8	1,000	14.50	100WUSSH	1 INCH	100	158.00
43WUSSH	7/16	600	18.40	112WUSSH	1 1/8	80	187.00
50WUSSH	1/2	400	35.60	125WUSSH	1 1/4	60	222.00
56WUSSH	9/16	400	39.30	150WUSSH	1 1/2	30	400.66
62WUSSH	5/8	200	67.62				

Steel Mechanically
Zinc Yellow Plated
and Baked after Plating



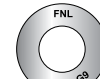
Free Manufacturer's
Certifications Available

DOMESTIC HEAVY DUTY FLAT USS THRU HARD WASHERS (EXTRA THICK)

All Items are Made in the U.S.A.
Hardness: Rockwell C38 - 45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WUSSTH	1/4	6,500	7.60	56WUSSTH	9/16	950	52.60
31WUSSTH	5/16	4,200	11.90	62WUSSTH	5/8	550	90.90
37WUSSTH	3/8	3,250	15.40	75WUSSTH	3/4	450	111.10
43WUSSTH	7/16	1,750	28.60	87WUSSTH	7/8	375	133.30
50WUSSTH	1/2	1,100	45.50	100WUSSTH	1 INCH	300	166.70

Steel EcoGuard™
1000-hour Gray/Silver
coating



100% Made in U.S.A.
Free Manufacturer's
Certifications Available

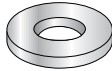
USS THRU-HARDENED FLAT WASHERS FOR GRADE-9 APPLICATIONS

Nominal dimensions to ASME B18.21.1 / DFAR-Compliant
Carbon or Alloy Steel / Hardness: Rockwell C38-45

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WUSS9	1/4	6,200	7.75	50WUSS9	1/2	1,100	42.90
31WUSS9	5/16	4,200	11.75	62WUSS9	5/8	625	81.50
37WUSS9	3/8	3,300	15.25	75WUSS9	3/4	475	103.75
43WUSS9	7/16	1,800	27.17				

Washers

Steel RoHS Zinc Plated

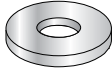


FLAT TYPE B—NARROW SERIES WASHERS

Manufactured to ASME B18.21.1 specifications

Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M	Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M
02WFBN	2X.188X.028	10,000	0.12	14WFBN	1/4X.515X.071	5,000	2.17
03WFBN	3X.219X.028	10,000	0.18	31WFBN	5/16X.640X.071	5,000	3.60
04WFBN	4X.250X.036	10,000	0.29	37WFBN	3/8X.749X.071	5,000	5.10
06WFBN	6X.312X.036	10,000	0.50	50WFBN	1/2X1.015X.071	2,500	9.38
08WFBN	8X.383X.045	10,000	0.86	62WFBN	5/8X1.280X.112	1,000	24.50
10WFBN	10X.414X.045	10,000	1.07	75WFBN	3/4X1.405X.112	1,000	27.25
12WFBN	12X.466X.045	10,000	1.07				

Steel RoHS Zinc Plated

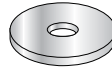


FLAT TYPE B—REGULAR SERIES WASHERS

Manufactured to ASME B18.21.1 specifications

Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M	Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M
02WFBR	2X.250X.036	10,000	0.32	14WFBR	1/4X.749X.071	2,500	6.00
03WFBR	3X.312X.036	10,000	0.58	31WFBR	5/16X.890X.071	2,500	8.60
04WFBR	4X.380X.045	10,000	1.03	37WFBR	3/8X1.015X.071	2,500	11.10
06WFBR	6X.446X.045	10,000	1.37	50WFBR	1/2X1.280X.112	1,000	28.33
08WFBR	8X.508X.045	10,000	1.77	62WFBR	5/8X1.743X.112	500	52.75
10WFBR	10X.570X.045	5,000	2.43	75WFBR	3/4X2.030X.112	500	74.50
12WFBR	12X.640X.071	5,000	4.79				

Steel RoHS Zinc Plated



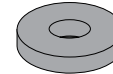
FLAT TYPE B—WIDE SERIES WASHERS

Manufactured to ASME B18.21.1 specifications

Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M	Part #	Nominal Size x O.D. x Thick.	Ctn Qty	Wght Lbs/M
02WFBW	2X.344X.036	10,000	0.71	14WFBW	1/4X1.015X.071	2,000	12.10
03WFBW	3X.414X.045	10,000	1.25	31WFBW	5/16X1.140X.07	2,000	15.70
04WFBW	4X.446X.045	10,000	1.44	37WFBW	3/8X1.280X.112	1,000	31.33
06WFBW	6X.570X.045	10,000	2.50	50WFBW	1/2X1.780X.112	500	63.13
08WFBW	8X.640X.071	5,000	4.94	62WFBW	5/8X2.280X.174	250	151.50
10WFBW	10X.749X.071	2,500	6.63	75WFBW	3/4X2.530X.174	250	183.50
12WFBW	12X.890X.071	2,500	9.50				

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Steel Plain Finish



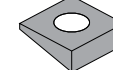
Free Manufacturer's
Certifications Available

HIGH STRENGTH ROUND STRUCTURAL WASHERS

Hardness: Rockwell C38 - 45
Manufactured to ASTM F436 specifications
All sizes are Made in the U.S.A.

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
50F436-1	1/2	750	20.00	87F436-1	7/8	300	71.00
62F436-1	5/8	625	39.00	100F436-1	1 INCH	250	93.00
75F436-1	3/4	550	45.00				

Hardened Steel Plain Finish



Free Manufacturer's
Certifications Available

BEVELED WASHERS

Hardness: Rockwell C38 - 45
Manufactured to ASTM F436 & ASME B18.2.6 specifications
All sizes are Made in the U.S.A. / For use with A325 & A490 Structural Bolts

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
50WBF436-1	1/2	250	238.60	87WBF436-1	7/8	250	197.80
62WBF436-1	5/8	250	227.40	100WBF436-1	1 INCH	250	171.40
75WBF436-1	3/4	250	223.30				

Steel Plain Finish



DOCK WASHERS

Steel Plain Finish

Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box	Part #	Size	Ctn Qty (Lbs.)	Approx. # Pcs/Box
50WDOC	1/2	50	103	87WDOC	7/8	50	111
62WDOC	5/8	50	105	100WDOC	1 INCH	50	95
75WDOC	3/4	50	108				

**18-8 Stainless Steel with
Black Oxide Finish**


EXTERNAL TOOTH LOCKWASHERS

Hardness: Annealed 88 minimum Rockwell B,
1/4 hard through full hard Rockwell C20 - 45.
Manufactured to ASME B18.21.1 specifications

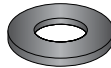
Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WE188B	#4	10,000	0.09	14WE188B	1/4	5,000	0.66
06WE188B	#6	10,000	0.20	31WE188B	5/16	5,000	1.30
08WE188B	#8	10,000	0.30	37WE188B	3/8	2,000	1.37
10WE188B	#10	10,000	0.37				

**18-8 Stainless Steel
with Black Oxide Finish**


REGULAR SPLIT LOCKWASHERS

Made from SAE J405 302-305 Stainless Steel
Manufactured to ASME B18.21.1 dimensions

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WS188B	#2	10,000	0.10	10WS188B	10	10,000	0.60
04WS188B	4	10,000	0.16	14WS188B	1/4	5,000	2.15
06WS188B	6	10,000	0.26	31WS188B	5/16	3,000	3.58
08WS188B	8	10,000	0.39	37WS188B	3/8	3,000	5.79

**18-8 Stainless Steel with
Black Oxide Finish**


MACHINE SCREW WASHERS

18-8 Stainless Steel With Black Oxide Finish

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WM188B	4	5,000	0.36	10WM188B	10	5,000	0.90
06WM188B	6	5,000	0.67	14WM188B	1/4	1,000	2.96
08WM188B	8	5,000	0.63				

**Spring Steel
Black Oxide**


EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WEB	2	10,000	0.06	12WEB	12	10,000	0.58
04WEB	4	10,000	0.10	14WEB	1/4	10,000	0.78
06WEB	6	10,000	0.22	37WEB	3/8	6,000	1.38
08WEB	8	10,000	0.35	50WEB	1/2	4,000	3.58
10WEB	10	10,000	0.45				

**Spring Steel
Black Oxide**


INTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WIB	2	10,000	0.06	14WIB	1/4	10,000	0.61
04WIB	4	10,000	0.14	31WIB	5/16	9,000	1.17
06WIB	6	10,000	0.18	37WIB	3/8	6,000	1.91
08WIB	8	10,000	0.26	50WIB	1/2	4,000	3.20
10WIB	10	10,000	0.39	62WIB	5/8	2,000	4.58
12WIB	12	10,000	0.43	75WIB	3/4	2,000	7.48

**Spring Steel
Black Oxide**


COMBINATION TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
100WIB	1 INCH	1,000	15.40	10WEIB	10	10,000	1.20
04WEIB	#4	10,000	0.70	12WEIB	#12	10,000	1.80
06WEIB	#6	10,000	0.78	14WEIB	1/4	10,000	2.23
08WEIB	#8	10,000	0.80	37WEIB	3/8	6,000	4.20

**Spring Steel
Black Oxide**


REGULAR SPLIT LOCKWASHERS

Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WSB	2	30,000	0.08	37WSB	3/8	4,500	3.88
04WSB	4	30,000	0.15	50WSB	1/2	3,000	13.50
06WSB	6	30,000	0.25	56WSB	9/16	1,500	16.90
08WSB	8	20,000	0.50	62WSB	5/8	1,000	22.00
10WSB	10	15,000	0.82	75WSB	3/4	500	38.55
12WSB	12	10,000	1.10	87WSB	7/8	350	54.75
14WSB	1/4	10,000	2.57	100WSB	1 INCH	250	79.83
31WSB	5/16	4,500	3.88				

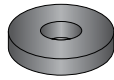
Steel Black Oxide


MACHINE SCREW WASHERS

Steel Black Oxide

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WMB	2	10,000	0.16	10WMB	10	10,000	1.53
03WMB	3	10,000	0.25	12WMB	12	10,000	2.04
04WMB	4	10,000	0.36	14WMB	1/4	10,000	2.28
05WMB	5	10,000	0.30	31WMB	5/16	10,000	3.10
06WMB	6	10,000	0.75	37WMB	3/8	10,000	3.38
08WMB	8	10,000	0.80				

Steel Black Oxide

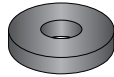


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
04WSAEB	#4	10	16,660	31WSAEB	5/16	50	9,750
06WSAEB	#6	50	39,500	37WSAEB	3/8	50	7,000
08WSAEB	#8	50	29,500	50WSAEB	1/2	50	2,800
10WSAEB	#10	50	22,750	62WSAEB	5/8	50	1,850
12WSAEB	#12	50	14,700	75WSAEB	3/4	50	1,050
14WSAEB	1/4	50	11,100				

Steel Black Oxide

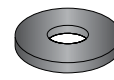


FLAT USS WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
10WUSSB	#10	50	18,050	50WUSSB	1/2	50	1,300
14WUSSB	1/4 INCH	50	7,450	62WUSSB	5/8	50	650
31WUSSB	5/16	50	4,350	75WUSSB	3/4	50	455
37WUSSB	3/8	50	2,940	87WUSSB	7/8	50	325
43WUSSB	7/16	50	2,050				

Steel Black Oxide

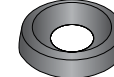


FENDER WASHERS

Used when an extra large bearing surface is required
Steel Black Oxide

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
1012WFB	10X3/4	50	8,000	3720WFB	3/8X1 1/4	50	2,358
1014WFB	10X7/8	50	5,000	3724WFB	3/8X1 1/2	50	1,650
1016WFB	10X1	50	3,251	3728WFB	3/8X1 3/4	50	1,130
1020WFB	10X1 1/4	50	2,145	3732WFB	3/8X2	50	994
1416WFB	1/4X1	50	3,751	3740WFB	3/8X2 1/2	50	5,123
1420WFB	1/4X1 1/4	50	2,304	5020WFB	1/2X1 1/4	50	3,000
1424WFB	1/4X1 1/2	50	1,550	5024WFB	1/2X1 1/2	50	1,984
3120WFB	5/16X1 1/4	50	2,400	5032WFB	1/2X2	50	950
3124WFB	5/16X1 1/2	50	1,600	5048WFB	1/2X3	50	355

Steel Black Oxide



COUNTERSUNK FINISHING WASHERS

For use with 82° countersunk screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WCB	4	10,000	0.49	10WCB	10	8,000	1.50
06WCB	6	10,000	0.70	14WCB	1/4	2,500	2.30
08WCB	8	10,000	1.00	31WCB	5/16	1,500	3.90

Spring Steel
Black Zinc



EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WEBZ	#4	10,000	0.09	31WEBZ	5/16	9,000	1.00
06WEBZ	#6	10,000	0.19	37WEBZ	3/8	6,000	1.38
08WEBZ	#8	10,000	0.36	43WEBZ	7/16	6,000	1.63
10WEBZ	#10	10,000	0.39	50WEBZ	1/2	4,000	3.18
12WEBZ	#12	10,000	0.61	56WEBZ	9/16	2,000	3.68
14WEBZ	1/4	10,000	0.68	100WEBZ	1 INCH	1,000	12.50

Spring Steel
Black Zinc



INTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WIBZ	#2	10,000	0.05	12WIBZ	#12	10,000	0.43
03WIBZ	#3	10,000	0.10	14WIBZ	1/4	10,000	0.58
04WIBZ	#4	10,000	0.13	31WIBZ	5/16	9,000	1.20
05WIBZ	#5	10,000	0.16	37WIBZ	3/8	6,000	1.60
06WIBZ	#6	10,000	0.17	43WIBZ	7/16	6,000	2.31
08WIBZ	#8	10,000	0.25	50WIBZ	1/2	4,000	3.17
10WIBZ	#10	10,000	0.32				

Spring Steel
Black Zinc

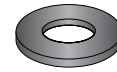


REGULAR SPLIT LOCKWASHERS

Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WSBZ	#2	30,000	0.09	37WSBZ	3/8	3,000	6.00
04WSBZ	#4	30,000	0.14	50WSBZ	1/2	2,000	13.17
06WSBZ	#6	30,000	0.24	56WSBZ	9/16	1,500	17.10
08WSBZ	#8	20,000	0.39	62WSBZ	5/8	1,000	22.20
10WSBZ	#10	15,000	0.63	75WSBZ	3/4	500	38.60
14WSBZ	1/4	10,000	2.34	87WSBZ	7/8	350	54.83
31WSBZ	5/16	4,500	3.92	100WSBZ	1 INCH	250	79.33

Steel Black Zinc

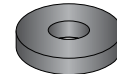


MACHINE SCREW WASHERS

Steel Black Zinc

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WMBZ	#2	10,000	0.15	08WMBZ	#8	10,000	0.78
03WMBZ	#3	10,000	0.27	10WMBZ	#10	10,000	1.03
04WMBZ	#4	10,000	0.32	14WMBZ	1/4	10,000	2.48
05WMBZ	#5	10,000	0.32	31WMBZ	5/16	10,000	3.05
06WMBZ	#6	10,000	0.67	37WMBZ	3/8	10,000	3.33

Steel Black Zinc

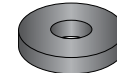


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
04WSAEBZ	#4	10	16,660	14WSAEBZ	1/4	50	11,100
06WSAEBZ	#6	50	39,500	31WSAEBZ	5/16	50	9,750
08WSAEBZ	#8	50	29,500	37WSAEBZ	3/8	50	7,000
10WSAEBZ	#10	50	22,750	50WSAEBZ	1/2	50	2,800

Steel Black Zinc

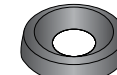


FLAT USS WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
10WUSSBZ	#10	50	16,660	62WUSSBZ	5/8	50	650
14WUSSBZ	1/4	50	7,450	75WUSSBZ	3/4	50	455
31WUSSBZ	5/16	50	4,350	87WUSSBZ	7/8	50	325
37WUSSBZ	3/8	50	2,940	100WUSSBZ	1 INCH	50	265
43WUSSBZ	7/16	50	2,050	125WUSSBZ	1 1/4	50	190
50WUSSBZ	1/2	50	1,300				

Steel Black Zinc



COUNTERSUNK FINISHING WASHERS

For use with 82° countersunk screws

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WCBZ	#6	10,000	0.78	10WCBZ	#10	8,000	1.30
08WCBZ	#8	10,000	1.00	14WCBZ	1/4	2,500	2.30

Spring Steel
Zinc Yellow and Baked



EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
04WEY	4	10,000	0.10	14WEY	1/4	10,000	0.66
06WEY	6	10,000	0.19	31WEY	5/16	9,000	1.13
08WEY	8	10,000	0.33	37WEY	3/8	6,000	1.51
10WEY	10	10,000	0.37	50WEY	1/2	4,000	2.62
12WEY	12	10,000	0.52	62WEY	5/8	2,000	4.50

Spring Steel
Zinc Yellow and Baked



COUNTERSUNK EXTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WECY	6	10,000	0.22	10WECY	10	10,000	0.43
08WECY	8	10,000	0.30				

Spring Steel
Zinc Yellow and Baked



INTERNAL TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WIY	2	10,000	0.06	14WIY	1/4	10,000	0.61
04WIY	4	10,000	0.16	31WIY	5/16	9,000	1.07
06WIY	6	10,000	0.18	37WIY	3/8	6,000	1.91
08WIY	8	10,000	0.26	50WIY	1/2	4,000	3.07
10WIY	10	10,000	0.33	62WIY	5/8	2,000	5.19
12WIY	12	10,000	0.48				

Spring Steel Zinc
Yellow and Baked



REGULAR SPLIT LOCKWASHERS

Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WSY	#2	10,000	0.11	37WSY	3/8	3,000	6.14
04WSY	4	10,000	0.16	43WSY	7/16	2,500	9.06
05WSY	5	10,000	0.24	50WSY	1/2	2,500	12.85
06WSY	6	10,000	0.27	62WSY	5/8	2,000	23.70
08WSY	8	10,000	0.50	75WSY	3/4	1,500	39.60
10WSY	10	10,000	0.68	87WSY	7/8	1,000	60.00
12WSY	12	10,000	1.07	100WSY	1	750	88.00
14WSY	1/4	10,000	2.45	112WSY	1 1/8	200	116.00
31WSY	5/16	4,500	3.73	125WSY	1 1/4	150	154.00

Spring Steel
Zinc Yellow and Baked



COMBINATION TOOTH LOCKWASHERS

Hardness: Rockwell C40 - 50
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
06WEIY	6	10,000	0.78	10WEIY	10	10,000	1.30
08WEIY	8	10,000	0.80				

Steel Mechanically
Zinc Yellow Plated

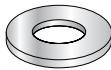
 New
Sizes!


EXTRA DUTY HELICAL SPLIT LOCKWASHERS

 Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
10WSXVY	#10	7,000	2.11	62WSXVY	5/8	1,000	36.00
14WSXVY	1/4	5,000	3.64	75WSXVY	3/4	500	60.07
31WSXVY	5/16	4,000	6.40	87WSXVY	7/8	250	94.50
37WSXVY	3/8	3,000	9.73	100WSXVY	1	150	143.00
50WSXVY	1/2	1,500	20.20				

Steel Zinc Yellow

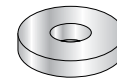


MACHINE SCREW WASHERS

Steel Zinc Yellow

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02WMY	2	10,000	0.16	08WMY	8	10,000	0.78
03WMY	3	10,000	0.22	10WMY	10	10,000	0.95
04WMY	4	10,000	0.31	12WMY	12	10,000	2.01
05WMY	5	10,000	0.67	14WMY	14	10,000	2.48
06WMY	6	10,000	0.67				

Steel Zinc Yellow

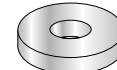


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
04WSAEY	#4	10	16,600	43WSAEY	7/16	50	5,500
06WSAEY	#6	50	39,500	50WSAEY	1/2	50	2,732
08WSAEY	#8	50	29,500	62WSAEY	5/8	50	1,850
10WSAEY	#10	50	22,750	75WSAEY	3/4	50	1,050
12WSAEY	#12	50	14,700	87WSAEY	7/8	50	775
14WSAEY	1/4 INCH	50	11,100	100WSAEY	1 INCH	50	585
31WSAEY	5/16	50	9,750	125WSAEY	1 1/4	50	335
37WSAEY	3/8	50	7,000				

Steel Zinc Yellow



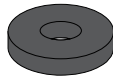
FLAT USS WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
10WUSSY	#10	50	17,187	62WUSSY	5/8	50	650
14WUSSY	1/4	50	7,450	75WUSSY	3/4	50	455
31WUSSY	5/16	50	4,350	87WUSSY	7/8	50	325
37WUSSY	3/8	50	3,350	100WUSSY	1 INCH	50	265
43WUSSY	7/16	50	2,050	125WUSSY	1 1/4	50	190
50WUSSY	1/2	50	1,300				

Washers

Steel Hot Dip Galvanized

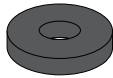


FLAT USS WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
14WUSSG	1/4	20	2,985	62WUSSG	5/8	20	259
31WUSSG	5/16	20	1,738	75WUSSG	3/4	20	181
37WUSSG	3/8	20	1,342	100WUSSG	1	20	106
50WUSSG	1/2	20	519				

Steel Hot Dip Galvanized

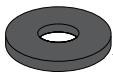


FLAT SAE WASHERS

Manufactured to ASME B18.22.1 specifications

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
14WSAEG	1/4	20	4,440	62WSAEG	5/8	20	722
31WSAEG	5/16	20	3,900	75WSAEG	3/4	20	337
37WSAEG	3/8	20	2,800				
50WSAEG	1/2	20	1,120				

Steel Hot Dip Galvanized



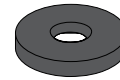
FENDER WASHERS

Used when an extra large bearing surface is required
Steel Hot Dip Galvanized

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
1416WFG	1/4X1	20	1,500	3720WFG	3/8X1 1/4	20	1,200
1420WFG	1/4X1 1/4	20	921	3728WFG	3/8X1 3/4	20	458
1424WFG	1/4X1 1/2	20	620	3732WFG	3/8X2	20	380
1432WFG	1/4X2	20	324	3740WFG	3/8X2 1/2	20	267
3120WFG	5/16X1 1/4	20	960	5020WFG	1/2X1 1/4	20	1,436
3124WFG	5/16X1 1/2	20	640	5024WFG	1/2X1 1/2	20	793
3132WFG	5/16X2	20	328	5028WFG	1/2X1 3/4	20	458
3140WFG	5/16X2 1/2	20	200	5032WFG	1/2X2	20	380
				5040WFG	1/2X2 1/2	20	267
				5048WFG	1/2X3	20	142

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Steel Hot Dip Galvanized



DOCK WASHERS

Steel Hot Dip Galvanized

Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn	Part #	Size	Ctn Qty (lbs)	Approx Pcs/Ctn
50WDOCG	1/2	50	103	87WDOCG	7/8	50	111
62WDOCG	5/8	50	105	100WDOCG	1 INCH	50	95
75WDOCG	3/4	50	108				

Spring Steel
Hot Dip Galvanized



REGULAR SPLIT LOCKWASHERS

Hardness: Rockwell C38 - 46
Manufactured to ASME B18.21.1 specifications

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
14WSG	1/4	5,000	2.77	62WSG	5/8	500	25.00
31WSG	5/16	3,000	4.36	75WSG	3/4	300	41.63
37WSG	3/8	2,000	7.26	100WSG	1 INCH	250	87.00
50WSG	1/2	1,000	13.79				

Steel Galvanized



EPDM BONDED WASHERS

690 Galvanized Steel

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
1008WNG	10X1/2	10,000	2.05	4314WNG	7/16X7/8	3,000	5.25
1209WNG	12X9/16	10,000	2.40	5016WNG	1/2X1	2,000	7.25
1410WNG	1/4X5/8	10,000	3.22	7524WNG	3/4X1 1/2	1,000	16.00
3712WNG	3/8X3/4	4,000	3.86	10032WNG	1X2	500	30.33

Type 6/6 Nylon

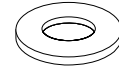


NYLON STANDARD SHOULDER WASHERS

Used as both a guide and a spacer

Part #	Size	Ctn Qty	Wght Lbs/M	Part #	Size	Ctn Qty	Wght Lbs/M
02250WSLDN	2	2,500	0.13	10437WSLDN	10	2,500	0.20
04281WSLDN	4	2,500	0.10	14562WSLDN	1/4	2,500	0.25
06328WSLDN	6	2,500	0.10				

Type 6/6 Nylon



STANDARD FLAT WASHERS

Type 6/6 Nylon

Part #	Nominal Size x O.D. x Thickness	Ctn Qty	Wght Lbs/M	Part #	Nominal Size x O.D. x Thickness	Ctn Qty	Wght Lbs/M
0204.032WFN	2X1/4X.032	5,000	0.06	0806.032WFN	8X3/8X.032	5,000	0.10
0204.062WFN	2X1/4X.062	5,000	0.11	0806.062WFN	8X3/8X.062	5,000	0.30
0204.093WFN	2X1/4X.093	5,000	0.16	0806.093WFN	8X3/8X.093	5,000	0.30
0204.125WFN	2X1/4X.125	5,000	0.22	0806.125WFN	8X3/8X.125	5,000	0.40
0404.032WFN	4X1/4X.032	5,000	0.05	1006.093WFN	10X3/8X.093	5,000	0.30
0404.062WFN	4X1/4X.062	5,000	0.10	1006.032WFN	10X3/8X.032	5,000	0.10
0404.093WFN	4X1/4X.093	5,000	0.15	1006.062WFN	10X3/8X.062	5,000	0.20
0404.125WFN	4X1/4X.125	5,000	0.20	1006.125WFN	10X3/8X.125	5,000	0.40
0605.032WFN	6X5/16X.032	5,000	0.10	1408.032WFN	1/4X1/2X.032	5,000	0.38
0605.062WFN	6X5/16X.062	5,000	0.10	1408.062WFN	1/4X1/2X.062	5,000	0.30
0605.093WFN	6X5/16X.093	5,000	0.30	1408.093WFN	1/4X1/2X.093	5,000	0.60
0605.125WFN	6X5/16X.125	5,000	0.40	1408.125WFN	1/4X1/2X.125	5,000	0.50