

paulin[®]

WASHERS

www.hpaulin.com

**FENDER, LOCK
FLAT, NYLON
TOOTH LOCK
and more...**



At The Hillman Group, we stock a comprehensive range of standard and non-standard fasteners, hardware, fittings, fluid flow components and automotive products under our Hillman, Paulin, Papco, Dominion, and Pro-Tip family of brands. Our range of products are complimented by our ability to source any item in the required size and material for any type of project. Let us help standardize your range of products or create new programs with the help from our dynamic and vibrant organization. For over 100 years, the Paulin® brand has been recognized as an industry leader. Our customers are retailers, original equipment manufacturers, industrial and automotive aftermarket distributors, and plumbing and gas wholesalers.

The Hillman Group has been a customer-first organization that built a loyal customer base centred on trust, dedication and long-lasting relationships. Paulin® being the First In Fasteners, we look forward to being The Right Fastening Choice for you.

Our five strategically situated warehouses in Vancouver, Edmonton, Winnipeg, Toronto and Montreal are conveniently located to provide courteous service to all of our customers.

The items listed in our catalogue are a representation of the products available and stocked in our distribution network. Our availability may not represent all sizes available or certain applications required. Please contact your local Hillman customer service or sales representative for additional product inquiries. Our knowledgeable staff will provide you with information and solutions that are both cost effective and reliable.

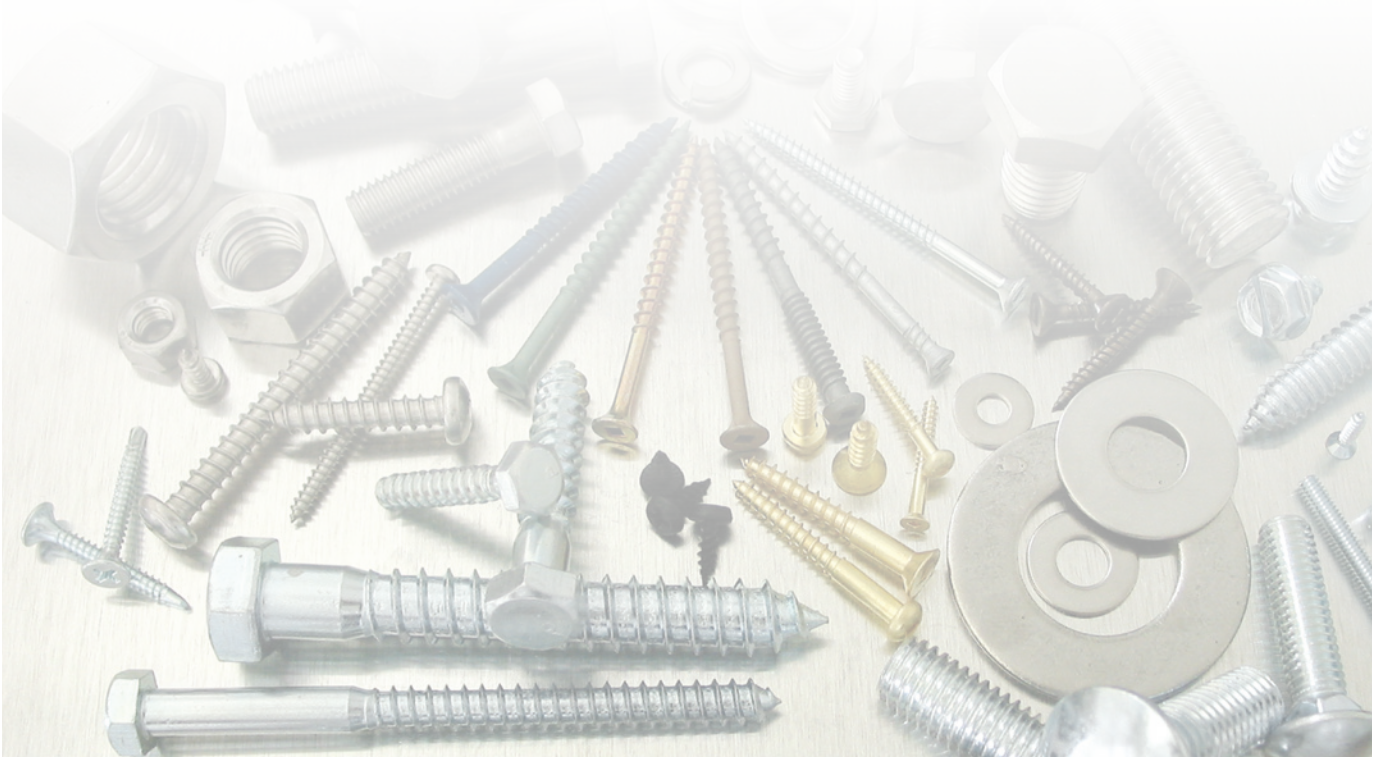


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.....

PACKAGING TYPES AVAILABLE

Clamshell



Handy Pak



Black Box



Jar

Bulk Carton
(1/4 Keg)

GRADE, CLASS AND STRENGTH

Imperial and metric washers do not have any specific strength markings stamped. Generally grades 2 and 5 as well as class 8 are zinc in colour. Grade 8, class 10 and 12 are yellow zinc in colour. Use 200 HV washers with class 8.8 screws, bolts and class 8 nuts. 300 HV washers should be used with class 10.9 screws, bolts and class 10 nuts.

Grade 2 and 5
Class 8
ZincGrade 8
Class 10 and 12
Yellow Zinc

FINISHES

- Bare metal has very low corrosion resistance. It is a good choice for indoor use or when protection from the elements is not an issue.
- Zinc and yellow zinc have better corrosion resistant qualities and are a better choice for indoor and industrial applications.
- Hot dipped galvanized (HDG) provides high corrosion-resistance of all mechanically plated fasteners and are suitable for outdoor use.

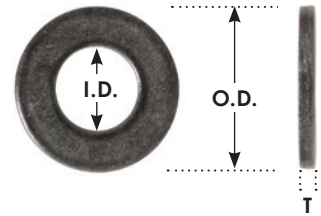
STAINLESS STEEL

Stainless steel is resistant to corrosion, has a long-service life and requires no maintenance. Using stainless steel offers the best-in-class corrosion protection compared to bare or zinc finishes. 18.8 stainless steel is ideal for fresh water and exterior weather exposure applications.

See technical pages for detailed information.

143
Series144
Series145
Series

paulin **FLAT WASHERS**
(STEEL PLATE)



PART CLASS #
804AJ

FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Used behind a nut or screw head to distribute load and to prevent material from buckling or screw pull-through. Washer sizes are specified by the bolt or screw diameter and should be matched to ensure proper fit. These washers are finished with zinc to be corrosion resistant. When selecting a washer, be sure to pick one that matches the fasteners you are already using. Picking a different finish may cause a chemical reaction, weakening your fasteners over time. Bare finish fasteners have low corrosion resistance and are a good choice for indoor and industrial applications.

I.D. = Inside Diameter

O.D. = Outside Diameter

T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

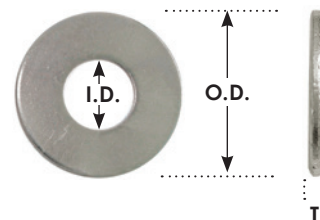
☐ Product not available in this pack size
BARE METAL (PLAIN)

Bolt Size	I.D.	O.D.	T	Approx. Pcs per pound	Black Box #	Qty (lbs)	Black Box #	Qty (lbs)	Black Box #	Qty (pcs)	Bulk Carton #	Qty (lbs)
3/16	1/4	9/16	3/64	294	143-010	1	144-010	5	145-010	100	B143-010	40
1/4	5/16	3/4	1/16	162	143-014	1	144-014	5	145-014	100	B143-014	40
5/16	3/8	7/8	1/16	96	143-016	1	144-016	5	145-016	100	B143-016	40
3/8	7/16	1	5/64	75	143-018	1	144-018	5	145-018	100	B143-018	40
7/16	1/2	1-1/4	3/32	38	143-020	1	144-020	5	145-020	50	B143-020	40
1/2	9/16	1-3/8	7/64	27	143-022	1	144-022	5	145-022	50	B143-022	40
9/16	5/8	1-1/2	7/64	23	143-023	1	144-023	5	145-023	50	B143-023	40
5/8	11/16	1-3/4	9/64	13	143-024	1	144-024	5	145-024	25	B143-024	40
3/4	13/16	2	9/64	9	143-026	1	144-026	5	145-026	20	B143-026	40
3/4 BS	13/16	—	—	9	—	—	—	—	—	—	B143-027	40
7/8	15/16	2-1/4	5/32	7	143-028	1	144-028	5	145-028	20	B143-028	40
1	1-1/16	2-1/2	5/32	6	143-030	1	144-030	5	145-030	20	B143-030	40
1-1/8 (S)	1-3/16	2-3/4	5/32	5	—	—	144-032	5	—	—	B143-032	40
1-1/8 (L)	1-3/16	—	—	5	—	—	144-033	5	—	—	B143-033	40
1-1/4 (S)	1-5/16	2-3/4	5/32	5	—	—	144-034	5	—	—	B143-034	40
1-1/4 (L)	1-5/16	—	—	5	—	—	144-035	5	—	—	B143-035	40
1-3/8 (S)	1-1/2	3-1/4	—	3	—	—	144-036	5	—	—	B143-036	40
1-1/2 (S)	1-5/8	3-1/4	11/64	3	—	—	144-037	5	—	—	B143-037	40
1-1/2 (L)	1-5/8	—	—	3	143-038	1	144-038	5	—	—	B143-038	40
1-5/8 (S)	1-3/4	—	—	2	—	—	—	—	—	—	B143-039	40
1-3/4 (S)	1-7/8	—	—	2	—	—	—	—	—	—	B143-040	40
1-3/4 (L)	1-7/8	—	—	2	—	—	—	—	—	—	B143-041	40
2 (L)	2-1/8	—	—	1	143-043	1	—	—	—	—	B143-043	40

Limited stock available. Subject to change without notification.

146
Series147
Series148
Series

paulin®

FLAT WASHERS
(STEEL PLATE)PART CLASS #
804AJ

FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Used behind a nut or screw head to distribute load and to prevent material from buckling or screw pull-through. Washer sizes are specified by the bolt or screw diameter and should be matched to ensure proper fit. These washers are finished with zinc to be corrosion resistant. When selecting a washer, be sure to pick one that matches the fasteners you are already using. Picking a different finish may cause a chemical reaction, weakening your fasteners over time. Zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

Bolt Size	I.D.	O.D.	T	Bolt Size	I.D.	O.D.	T	Bolt Size	I.D.	O.D.	T
1/8	—	—	—	5/8	11/16	1-3/4	9/64	1-3/8 (S)	—	—	—
3/16	1/4	9/16	3/64	3/4	13/16	2	9/64	1-1/2 (S)	3-1/4	11/64	3
1/4	5/16	3/4	1/16	7/8	15/16	2-1/4	5/32	1-1/2 (L)	—	—	—
5/16	3/8	7/8	1/16	1	1-1/16	2-1/2	5/32	1-3/4 (L)	—	—	—
3/8	7/16	1	5/64	1-1/8 (S)	1-3/16	2-3/4	5/32	2 (L)	—	—	—
7/16	1/2	1-1/4	3/32	1-1/8 (L)	1-3/16	—	—				
1/2	9/16	1-3/8	7/64	1-1/4 (S)	1-5/16	2-3/4	5/32				
9/16	5/8	1-1/2	7/64	1-1/4 (L)	—	—	5				

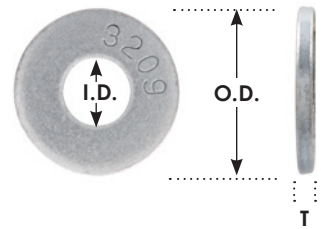
ZINC

Bolt Size	Approx. Pcs per pound	Handy Pak #	Qty	Black Box #	Qty (lbs)	Black Box #	Qty (lbs)	Black Box #	Qty (pcs)	Jar #	Qty	Jar Size	Bulk Carton #	Qty (lbs)
1/8	—	—	—	146-006	1	147-006	5	—	—	—	—	—	B146-006	40
3/16	294	023-302	140	146-010	1	147-010	5	148-010	100	—	—	—	B146-010	40
1/4	162	023-303	86	146-014	1	147-014	5	148-014	100	537-924	400	400 ml	B146-014	40
5/16	96	023-304	59	146-016	1	147-016	5	148-016	100	537-926	200	400 ml	B146-016	40
3/8	75	023-305	40	146-018	1	147-018	5	148-018	100	537-928	150	400 ml	B146-018	40
7/16	38	023-306	21	146-020	1	147-020	5	148-020	50	—	—	—	B146-020	40
1/2	27	023-307	16	146-022	1	147-022	5	148-022	50	537-932	50	400 ml	B146-022	40
9/16	23	023-308	13	146-023	1	147-023	5	148-023	50	—	—	—	B146-023	40
5/8	13	023-309	9	146-024	1	147-024	5	148-024	25	—	—	—	B146-024	40
3/4	9	023-310	6	146-026	1	147-026	5	148-026	20	—	—	—	B146-026	40
7/8	7	—	—	146-028	1	147-028	5	148-028	20	—	—	—	B146-028	40
1	6	—	—	146-030	1	147-030	5	148-030	20	—	—	—	B146-030	40
1-1/8 (S)	5	—	—	—	—	147-032	5	—	—	—	—	—	B146-032	40
1-1/8 (L)	5	—	—	146-033	1	147-033	5	—	—	—	—	—	B146-033	40
1-1/4 (S)	5	—	—	—	—	147-034	5	—	—	—	—	—	B146-034	40
1-1/4 (L)	5	—	—	—	—	147-035	5	—	—	—	—	—	B146-035	40
1-3/8 (S)	3	—	—	—	—	147-036	5	—	—	—	—	—	B146-036	40
1-1/2 (S)	3	—	—	—	—	147-037	5	—	—	—	—	—	B146-037	40
1-1/2 (L)	3	—	—	146-038	1	147-038	5	—	—	—	—	—	B146-038	40
1-3/4 (L)	2	—	—	—	—	—	—	—	—	—	—	—	B146-041	40
2 (L)	1	—	—	146-043	1	—	—	—	—	—	—	—	B146-043	40

856
Series

hpaulin FLAT WASHERS (STEEL PLATE)

PART CLASS #
804AK



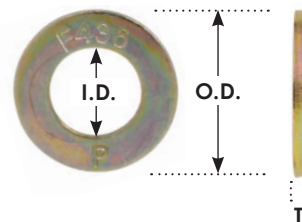
FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Hot dipped galvanized (HDG) is ideal for marine applications such as docks and piers as well as landscaping projects including decks, fences and all outdoor projects.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

GALVANIZED												
Bolt Size	I.D.	O.D.	T	Approx. Pcs per pound	Black Box #	Qty (lbs)	Black Box #	Qty (lbs)	Black Box #	Qty (pcs)	Bulk Carton #	Qty (lbs)
1/4	5/16	3/4	1/16	156	856-414	1	856-614	5	—	—	B856-414	40
5/16	3/8	7/8	5/64	86	856-416	1	856-616	5	856-316	100	B856-416	40
3/8	7/16	1	5/64	67	856-418	1	856-618	5	856-318	100	B856-418	40
7/16	1/2	1-1/4	3/32	41	856-420	1	856-620	5	856-322	50	B856-420	40
1/2	9/16	1-3/8	7/64	26	856-422	1	856-622	5	—	—	B856-422	40
9/16	5/8	1-1/2	7/64	23	856-423	1	856-623	5	—	—	B856-423	40
5/8	11/16	1-3/4	9/64	13	856-424	1	856-624	5	—	—	B856-424	40
3/4	13/16	2	9/64	9	856-426	1	856-626	5	—	—	B856-426	40
7/8	15/16	2-1/4	5/32	6	856-428	1	856-628	5	—	—	B856-428	40
1	1-1/16	2-1/2	5/32	5	856-430	1	856-630	5	—	—	B856-430	40
1-1/4	1-3/8	3	5/32	4	—		—		—	—	B856-435	40

101
Series**paulin® FLAT WASHERS (PAPCOLLOY)**PART CLASS #
804BM

PAPCOLLOY WASHERS are alloy steel, grade 8 flat washers. They are used with grade 8 hex bolts, nuts and lock washers to achieve the maximum strength of a high strength clamping application. Yellow zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

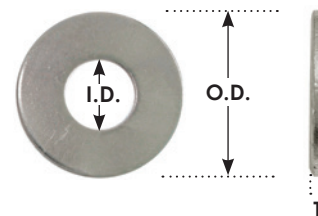
ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

YELLOW ZINC										Hardness Class 38-45 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
1/4	0.250	9/32	5/8	0.063	009-074	12	—	—	101-114	100	B101-114	9000
5/16	0.450	11/32	11/16	0.063	009-075	10	—	—	101-116	100	B101-116	6000
3/8	0.313	13/32	13/16	0.063	009-076	8	—	—	101-118	100	B101-118	5000
7/16	0.417	15/32	59/64	0.063	009-077	6	—	—	101-120	100	B101-120	3000
1/2	1.375	17/32	1-1/16	0.094	009-078	4	—	—	101-122	50	B101-122	1900
9/16	2.580	19/32	1-3/16	0.094	—	—	—	—	101-123	50	B101-123	1500
5/8	2.780	21/32	1-5/16	0.094	—	—	—	—	101-124	50	B101-124	1000
3/4	3.771	13/16	1-25/32	0.125	—	—	—	—	101-126	40	B101-126	700
7/8	6.300	15/16	1-3/4	0.125	—	—	—	—	101-128	40	B101-128	500
1	7.788	1-1/16	2	0.125	—	—	—	—	101-130	40	B101-130	400
1-1/8	9.700	1-1/4	2-1/4	0.156	—	—	—	—	101-132	20	B101-132	330
1-1/4	13.127	1-3/8	2-1/2	0.156	—	—	—	—	101-134	20	B101-134	275
1-1/2	18.643	1-5/8	3	0.156	—	—	—	—	101-138	20	B101-138	140

5055 Series paulin® FLAT WASHERS

PART CLASS #
804AM



FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

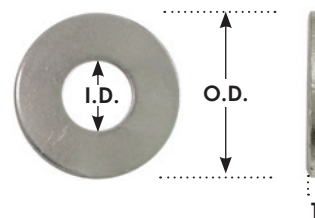
 Product not available in this pack size

18.8 STAINLESS STEEL										
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Clamshell #	Qty	Black Box #	Qty
#2	0.030	0.094	0.250	0.016	—	—	—	—	5055-202	100
#4	0.050	0.125	0.312	0.031	—	—	—	—	5055-204	100
#6	0.080	0.156	0.375	0.031	—	—	—	—	5055-206	100
#8	0.055	0.174	0.375	0.031	—	—	848-247	9	5055-208	100
#10	0.138	0.203	0.438	0.031	—	—	848-248	9	5055-210	100
#12	0.275	0.250	0.563	0.500	—	—	—	—	5055-212	100
1/4	0.330	0.281	0.625	0.050	009-105	16	—	—	5055-214	100
5/16	0.425	0.345	0.750	0.050	009-106	10	—	—	5055-216	100
3/8 (1 O.D)	0.850	0.406	1.000	0.050	009-107	8	—	—	5055-218	100
3/8 (7/8 O.D)	0.585	0.406	0.875	0.050	—	—	—	—	5055-2181	100
7/16	1.300	0.500	1.125	0.062	—	—	—	—	5055-220	50
1/2	1.630	0.531	1.250	0.062	009-108	4	848-246	9	5055-222	50
5/8	2.900	0.688	1.500	0.078	—	—	—	—	5055-224	25
3/4	6.350	0.813	1.875	0.109	—	—	—	—	5055-226	20
7/8	6.775	0.938	2.000	0.109	—	—	—	—	5055-228	20
1	7.700	1.062	2.000	0.125	—	—	—	—	5055-230	20
1-1/8	12.600	1.187	2.500	0.125	—	—	—	—	5055-232	10
1-1/4	15.800	1.312	2.750	0.125	—	—	—	—	5055-234	10
1-1/2	24.000	1.563	3.250	0.140	—	—	—	—	5055-238	10

730
Series**paulin® FLAT WASHERS - METRIC**

PART CLASS #

804AL | DIN 125A = ISO 7089



FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Zinc and yellow zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications. Metric washer hardness is represented by the HV number or Vickers Hardness. Use 200 HV washers with class 8.8 screws, bolts and class 8 nuts. 300 HV washers should be used with class 10.9 screws, bolts and class 10 nuts.

I.D. = Inside Diameter

O.D. = Outside Diameter

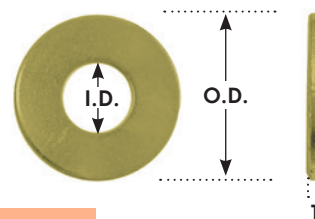
T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER
☐ Product not available in this pack size

ZINC										Hardness Class 200 HV			
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
4 mm	0.06	4.3	9.4	1.0	—	—	024-304	60	730-004	100	B730-004	12000	
5 mm	0.11	5.3	11.0	1.0	—	—	024-305	56	730-005	100	B730-005	10000	
6 mm	0.21	6.4	12.5	1.6	009-031	16	024-306	45	730-006	100	B730-006	10000	
7 mm	0.30	7.4	14.0	1.6	—	—	—	—	730-007	100	B730-007	6000	
8 mm	0.36	8.4	17.0	1.6	009-032	12	024-308	18	730-008	100	B730-008	6000	
10 mm	0.71	10.5	21.0	2.0	009-033	8	024-310	14	730-010	100	B730-010	5000	
12 mm	1.23	13.0	24.0	2.5	009-034	6	024-312	12	730-012	50	B730-012	4000	
14 mm	1.84	15.0	28.0	2.5	—	—	—	—	730-014	25	B730-014	4000	
16 mm	2.40	17.0	30.0	3.0	—	—	—	—	730-016	25	B730-016	2000	
18 mm	2.80	19.0	34.0	3.0	—	—	—	—	730-018	25	B730-018	1500	
20 mm	3.46	21.0	37.0	3.0	—	—	—	—	730-020	25	B730-020	1000	
24 mm	6.40	25.0	44.0	4.0	—	—	—	—	730-024	5	B730-024	25	

PART CLASS #

804AL | DIN 125A = ISO 7089



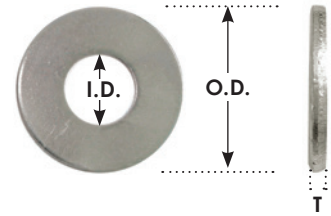
I.D. = Inside Diameter

O.D. = Outside Diameter

T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER
☐ Product not available in this pack size

YELLOW ZINC										Hardness Class 300 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.21	6.4	12.5	1.6	—	—	—	—	730-406	100	B730-406	9000
8 mm	0.49	8.4	17.0	1.6	—	—	—	—	730-408	100	B730-408	6000
10 mm	0.80	10.5	21.0	2.0	—	—	—	—	730-410	100	B730-410	5000
12 mm	1.27	13.0	24.0	2.5	—	—	—	—	730-412	50	B730-412	1900
14 mm	1.72	15.0	28.0	2.5	—	—	—	—	730-414	25	—	—
16 mm	2.18	17.0	30.0	3.0	—	—	—	—	730-416	25	B730-416	2000
18 mm	2.92	19.0	34.0	3.0	—	—	—	—	730-418	25	—	—
20 mm	3.24	21.0	37.0	3.0	—	—	—	—	730-420	25	—	—
24 mm	6.16	25.0	44.0	4.0	—	—	—	—	730-424	25	—	—

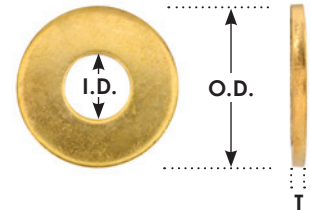
5908
Series**paulin® FLAT WASHERS - METRIC**PART CLASS #
804AO | DIN 125A = ISO 7089

FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER
☐ Product not available in this pack size

18.8 STAINLESS STEEL								
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Black Box #	Qty	Bulk Carton #	Qty
M6	0.16	6.6	12	1.3-1.9	5908-214	50	B5908-214	10000
M8	0.20	9	16	1.3-1.9	5908-216	50	B5908-216	15000
M10	0.70	10.5	20	1.7-2.3	5908-218	50	—	—
M12	1.24	13.0	24.0	2.2-2.8	5908-222	25	B5908-222	4000
M16	2.10	17.0	30.0	2.4-3.6	5908-224	5	B5908-224	2000
M20	3.78	22	37.0	2.4-3.6	5908-226	5	B5908-226	1000

5655
Series**paulin® FLAT WASHERS**PART CLASS #
804AQ

FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Solid brass is very durable and resists rust and corrosion. Made of brass for a high quality look for any repair, remodeling or construction project. Used to mount a variety of brass hardware or for adding a decorative touch on woodworking projects. A non-magnetic material that offers corrosion resistance in both cold and hot environments.

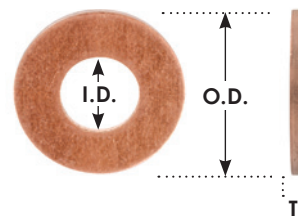
I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

BRASS						
Bolt Size	I.D.	O.D.	T	Approx. Pcs per pound	Black Box #	Qty (lbs)
1/8	0.147	0.375	0.032	1050	5655-807	1
5/32	0.172	0.375	0.032	1160	5655-808	1
3/16	0.200	0.438	0.036	750	5655-810	1
3/16	0.200	0.500	0.040	490	5655-811	1
1/4	0.260	0.563	0.040	410	5655-814	1
1/4	0.282	0.688	0.051	205	5655-815	1
5/16	0.337	0.750	0.064	145	5655-816	1
3/8	0.391	0.875	0.064	105	5655-818	1
3/8	0.391	1.000	0.081	60	5655-819	1
1/2	0.563	1.250	0.091	36	5655-822	1
5/8	0.688	1.500	0.102	23	5655-824	1
3/4	0.813	1.875	0.114	12	5655-826	1
7/8	0.938	2.250	0.128	8	5655-828	1

5455 Series paulin® FLAT WASHERS

PART CLASS #
804AP



FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Silicon bronze fasteners have high strength and high corrosion resistance against salt water, acids, salts and organic chemicals. Excellent for marine environment.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

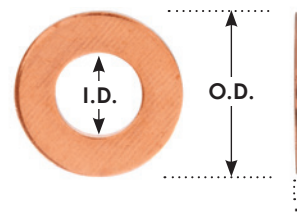
ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

SILICON BRONZE												
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
1/4	0.410	0.260	11/16	0.040	—	—	—	—	5455-815	100	—	—
5/16	0.670	0.337	3/4	0.064	—	—	—	—	5455-816	100	—	—
3/8	0.960	0.391	7/8	0.064	—	—	—	—	5455-818	100	—	—
3/8	1.230	0.391	1	0.064	—	—	—	—	5455-819	100	—	—
1/2	2.760	0.563	1-1/4	0.091	—	—	—	—	5455-822	50	—	—
5/8	4.120	0.688	1-1/2	0.091	—	—	—	—	5455-824	25	—	—

162 Series paulin® FLAT WASHERS

PART CLASS #
804BL



FLAT WASHERS are great for adding resistance to your bolts and screws to prevent them from boring into the surface and weakening it. Use a copper washer where ductility or electrical conductivity is required. In the automotive industry it is known as a crush washer which can create a seal between a bolt and seating area. Copper resists rust in wet environments.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

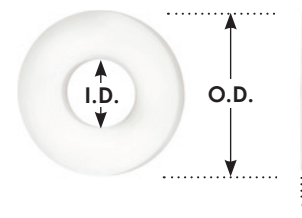
ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

COPPER												
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
#10	0.295	7/32	1/2	1/16	—	—	—	—	162-860	100	—	—
1/4	0.950	9/32	5/8	1/16	—	—	—	—	162-864	100	—	—
5/16	0.520	11/32	11/16	1/16	—	—	—	—	162-866	100	—	—
3/8	2.230	13/32	13/16	1/16	—	—	—	—	162-868	100	—	—
7/16	6.610	15/32	59/64	1/16	—	—	—	—	162-870	50	—	—
1/2	1.730	17/32	1-1/16	3/32	—	—	—	—	162-872	50	—	—

5705 Series paulin® FLAT WASHERS

PART CLASS #
804BB



FLAT WASHERS are great to prevent bolts from boring into the surface and weakening it. Nylon is non-corrosive, anti-magnetic, and resistant to friction and vibration. Nylon washers withstand a good deal of wear and tear. Good for outdoor use. Nylon washers have natural internal lubrication and high-temperature resistance. Nylon is also non conductive.

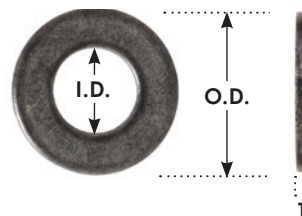
I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

NYLON						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Black Box #	Qty
#6	0.020	0.14	0.312	0.062	5705-206	100
#8	0.020	0.171	0.375	0.062	5705-208	100
#10	0.001	0.194	0.375	0.062	5705-210	100
1/4	0.040	0.257	0.500	0.062	5705-214	100
5/16	0.124	0.315	0.872	0.062	5705-216	100
3/8	0.175	0.375	1.000	0.062	5705-218	100
1/2	0.260	0.516	1.250	0.062	5705-222	100

B149 Series 151 Series paulin® S.A.E WASHERS

PART CLASS #
804BF

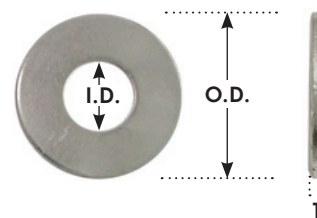


S.A.E WASHERS provide a standard bolt size inside diameter with a smaller than flat washer O.D. SAE washers are ideal where washer space is limited. SAE sizes are designated by the bolt diameter they are intended to fit. Bare finish fasteners have low corrosion resistance and are a good choice for indoor and industrial applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

BARE METAL (PLAIN)							
Bolt Size	I.D.	O.D.	T	Black Box #	Qty (pcs)	Bulk Carton #	Qty (lbs)
#8	3/16	7/16	3/64	151-008	100	B149-008	40
3/16	7/32	1/2	1/16	151-010	100	B149-010	40
1/4	9/32	5/8	1/16	151-014	100	B149-014	40
5/16	11/32	11/16	1/16	151-016	100	B149-016	40
3/8	13/32	13/16	1/16	151-018	100	B149-018	40
7/16	15/32	59/64	1/16	151-020	50	B149-020	40
1/2	17/32	1-1/16	3/32	151-022	50	B149-022	40
9/16	19/32	1-3/16	3/32	151-023	25	B149-023	40
5/8	21/32	1-5/16	3/32	151-024	25	B149-024	40
3/4	13/16	1-1/2	1/8	151-026	20	B149-026	40
7/8	15/16	1-3/4	1/8	151-028	20	B149-028	40
1	1-1/16	2	1/8	151-030	20	B149-030	40

150
Series**154**
Series**paulin® S.A.E WASHERS**PART CLASS #
804BF

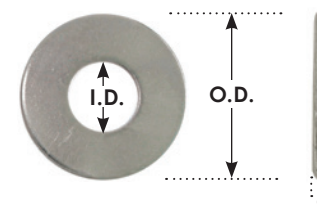
S.A.E (SOCIETY OF AUTOMOTIVE ENGINEERS) WASHERS provide a standard bolt size inside diameter with a smaller than flat washer O.D. SAE washers are ideal where washer space is limited, where a less than usual bearing surface is preferred or for appearance purposes. SAE sizes are designated by the bolt diameter they are intended to fit. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

ZINC									
Bolt Size	I.D.	O.D.	T	Handy Pak #	Qty	Black Box #	Qty (pcs)	Bulk Carton #	Qty (lbs)
#2	3/32	1/4	1/32	—	—	154-002	100	—	—
#4	1/8	5/16	1/32	—	—	154-004	100	B150-004	40
#6 (1/8)	5/32	3/8	3-64	—	—	154-006	100	B150-006	40
#8 (5/32)	3/16	7/16	3-64	—	—	154-008	100	B150-008	40
#10 (3/16)	7/32	1/2	1/16	023-322	112	154-010	100	B150-010	40
1/4	9/32	5/8	1/16	023-323	85	154-014	100	B150-014	40
5/16	11/32	11/16	1/16	023-324	70	154-016	100	B150-016	40
3/8	13-32	13/16	1/16	023-325	59	154-018	100	B150-018	40
7/16	15/32	59/64	1/16	023-326	40	154-020	50	B150-020	40
1/2	17/32	1-1/16	3/32	023-327	37	154-022	50	B150-022	40
9/16	19/32	1-3/16	3/32	023-328	24	154-023	25	B150-023	40
5/8	21/32	1-5/16	3/32	023-329	23	154-024	25	B150-024	40
3/4	13/16	1-1/2	1/8	023-330	13	154-026	20	B150-026	40
7/8	15/16	1-3/4	1/8	—	—	154-028	20	B150-028	40
1	1-1/16	2	1/8	—	—	154-030	20	B150-030	40

239
Series**paulin® BACK UP PLATE WASHERS**PART CLASS #
804BC

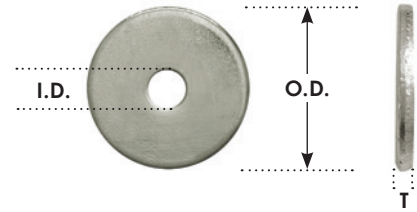
BACK UP PLATE WASHERS are used with blind rivets for extra support when fastening into soft material. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications. Aluminum washers are corrosion and rust resistant.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

ZINC										
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Black Box #	Qty	Bulk Carton #	Qty
1/8	0.104	9/16	3/8	1/32	009-219	24	239-493	100	B239-493	25000
3/16	0.292	13/64	1/2	3/64	009-220	24	239-494	100	—	—
ALUMINUM										
3/16	0.135	13/64	1/2	3/64	—	—	239-492	100	—	—

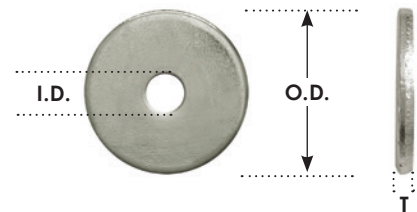
162
Series**paulin® FENDER WASHERS**PART CLASS #
804AD

FENDER WASHERS have a large outer diameter, an increased bearing surface and a surface load reduction. Designed for auto body repair, sheet metal work, plumbing and electrical applications. The greater surface bearing design offers a thinner body for strong, durable performance. Zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER
☐ Product not available in this pack size

ZINC													
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Black Box #	Qty	Jar #	Qty	Jar Size	Bulk Carton #	Qty
3/16	1.210	13/64	1	3/64	—	—	162-393	100	—	—	—	B162-493	4000
3/16	0.755	13/64	3/4	3/64	910-1700	12	162-394	100	537-994	150	400 ml	B162-494	5120
1/4	1.900	9/32	1-3/4	1/16	910-1703	8	162-395	100	537-995	100	400 ml	B162-495	2000
5/16	1.180	11/32	1	1/16	910-1706	9	162-396	100	537-996	200	400 ml	B162-496	3320
5/16	2.100	11/32	1-1/4	1/16	910-1707	6	162-397	100	—	—	—	B162-497	2120
5/16	3.035	11/32	1-1/2	1/16	—	—	162-399	100	—	—	—	B162-499	1400
3/8	2.560	13/32	1-1/2	1/16	—	—	162-398	100	537-998	100	750 ml	B162-498	1440
1/2	4.520	17/32	2	1/16	—	—	162-390	50	—	—	—	—	—
1/2	5.410	17/32	2	1/16	—	—	162-400	100	537-999	70	750 ml	B162-500	800

5057
Series**paulin® FENDER WASHERS**PART CLASS #
804AE

FENDER WASHERS have a large outer diameter, an increased bearing surface and a surface load reduction. Designed for auto body repair, sheet metal work, plumbing and electrical applications. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

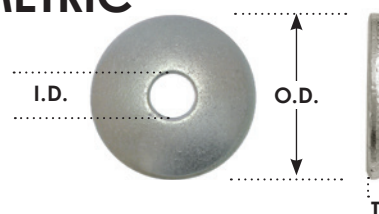
I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

18.8 STAINLESS STEEL						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Black Box #	Qty
#10	1.265	0.203	1	0.062	5057-394	100
1/4	1.825	0.281	1-1/4	0.078	5057-395	100
5/16	2.860	0.343	1-1/2	0.078	5057-396	100
3/8	3.700	0.390	1-1/2	0.078	5057-398	100
1/2	8.230	0.562	2	0.100	5057-400	50

730
Series**750**
Series**paulin® FENDER WASHERS - METRIC**

PART CLASS #

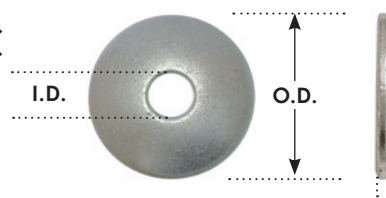
804AD | DIN 9021B = ISO 7093
800AE

FENDER WASHERS have a large outer diameter, an increased bearing surface and a surface load reduction. Designed for auto body repair, sheet metal work, plumbing and electrical applications. The greater surface bearing design offers a thinner body for strong, durable performance. Zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications. 200 HV should be used with class 8.8 bolts and screws and class 8 nuts. 300 HV should be used with class 10.9 bolts and screws and class 10 nuts.

I.D. = Inside Diameter**O.D.** = Outside Diameter**T** = Thickness**ORDER BY ITEM (PACKAGE) NUMBER**

ZINC Hardness Class 200 HV						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Black Box #	Qty
4 mm	0.17	4.3	12.0	1.0	730-304	100
5 mm	0.33	5.3	15.0	1.0	730-305	100
6 mm	0.55	6.4	18.0	1.6	730-306	100
8 mm	1.36	8.4	24.0	2.0	730-308	100
10 mm	2.50	10.5	30.0	2.5	730-310	50
12 mm	4.79	13.0	37.0	3.0	730-312	50
14 mm	6.95	15.0	44.0	3.0	730-314	25

ZINC Hardness Class 300 HV						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Black Box #	Qty
4 mm	0.16	4.3	12.0	1.0	750-004	100
6 mm	0.54	6.4	18.0	1.6	750-006	100
8 mm	1.21	8.4	24.0	2.0	750-008	100
10 mm	2.52	10.5	30.0	2.5	750-010	50
12 mm	4.66	13.0	37.0	3.0	750-012	50

5908
Series**paulin® FENDER WASHERS - METRIC**

FENDER WASHERS have a large outer diameter, an increased bearing surface and a surface load reduction. Designed for auto body repair, sheet metal work, plumbing and electrical applications. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter**O.D.** = Outside Diameter**T** = Thickness**ORDER BY ITEM (PACKAGE) NUMBER**

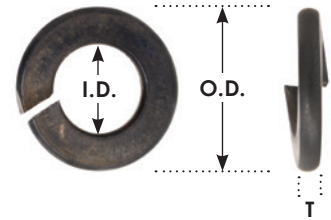
Product not available in this pack size

18.8 STAINLESS STEEL							
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Black Box #	Qty	Bulk Carton # Qty
8 mm	1.22	8.4	24.0	2.0	5908-616	50	— —
10 mm	3.46	10.5	30.0	2.5	5908-618	25	B5908-618 25

155
Series

hpaulin® SPRING LOCK WASHERS

PART CLASS #
804AT



WASHERS

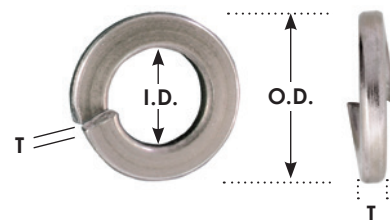
LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. Lock washers provide a locking spring action and are used to prevent nuts and bolts from coming loose from vibrations. They have split ends that help “lock” into the mating material, thus providing a locking feature when tightened beneath a nut. Bare finish fasteners have low corrosion resistance and are a good choice for indoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

BARE METAL (PLAIN)							Hardness Class 372-458 HV			
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
#4	0.030	0.120	0.209	0.025	—	—	155-004	100	—	—
#6 (1/8)	0.045	0.148	0.250	0.031	—	—	155-006	100	B155-006	50000
#8 (5/32)	0.065	0.174	0.293	0.040	—	—	155-008	100	—	—
#10 (3/16)	0.068	0.200	0.334	0.047	—	—	155-010	100	B155-010	50000
#12 (7/32)	0.099	0.227	0.377	0.056	—	—	155-012	100	B155-012	40000
1/4	0.215	0.260	0.487	0.062	—	—	155-014	100	B155-014	15000
5/16	0.382	0.322	0.583	0.078	—	—	155-016	100	B155-016	9000
3/8	0.618	0.385	0.680	0.094	—	—	155-018	100	B155-018	5500
7/16	0.897	0.450	0.776	0.109	—	—	155-020	100	B155-020	3700
1/2	1.245	0.512	0.869	0.125	—	—	155-022	100	B155-022	2500
9/16	1.680	0.574	0.965	0.141	—	—	155-023	100	B155-023	2000
5/8	2.355	0.641	1.073	0.156	—	—	155-024	100	B155-024	1400
3/4	3.611	0.766	1.265	0.188	—	—	155-026	100	B155-026	900
7/8	5.848	0.894	1.459	0.219	—	—	155-028	100	B155-028	525
1	8.480	1.024	1.656	0.250	—	—	155-030	100	B155-030	375
1-1/8	11.527	1.153	1.847	0.281	—	—	155-032	50	B155-032	275
1-1/4	15.050	1.280	2.036	0.312	—	—	155-034	50	B155-034	200
1-3/8	20.714	1.408	2.219	0.344	—	—	155-036	25	B155-036	140
1-1/2	25.500	1.534	2.419	0.375	—	—	155-038	25	B155-038	120

157
Series**paulin® SPRING LOCK WASHERS**PART CLASS #
804AT

LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution, and are great for any indoor/outdoor project. Ideal for situations where potential loosening from corrosion or vibration is a concern. Lock washers provide a locking spring action and are used to prevent nuts and bolts from coming loose from vibrations. They have split ends that help “lock” into the mating material, thus providing a locking feature when tightened beneath a nut. The zinc finish provides rust resistance.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

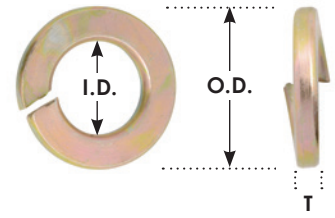
Bolt Size	I.D.	O.D.	T	Bolt Size	I.D.	O.D.	T	Bolt Size	I.D.	O.D.	T
#4	0.120	0.209	0.025	7/16	0.450	0.776	0.109	1-1/4	1.280	2.036	0.312
#6	0.148	0.250	0.031	1/2	0.512	0.869	0.125	1-1/2	1.534	2.419	0.375
#8	0.174	0.293	0.040	9/16	0.574	0.965	0.141				
#10 (3/16)	0.200	0.334	0.047	5/8	0.641	1.073	0.156				
#12 (7/32)	0.227	0.377	0.056	3/4	0.766	1.265	0.188				
1/4	0.260	0.487	0.062	7/8	0.894	1.459	0.219				
5/16	0.322	0.583	0.078	1	1.024	1.656	0.250				
3/8	0.385	0.680	0.094	1-1/8	1.153	1.847	0.281				

ZINC											Hardness Class 372-458 HV	
Bolt Size	Approx. Weight (lb) /100 pcs	Handy Pak #	Qty	Black Box #	Qty	Jar #	Qty	Jar Size	Bulk Carton #	Qty		
#4	0.014	—	—	157-004	100	—	—	—	B157-004	50000		
#6	0.028	—	—	157-006	100	—	—	—	B157-006	50000		
#8	0.030	—	—	157-008	100	—	—	—	B157-008	50000		
#10 (3/16)	0.050	023-342	115	157-010	100	—	—	—	B157-010	50000		
#12 (7/32)	0.090	—	—	157-012	100	—	—	—	B157-012	40000		
1/4	0.200	023-343	144	157-014	100	537-934	500	400 ml	B157-014	15000		
5/16	0.360	023-344	116	157-016	100	537-936	400	400 ml	B157-016	9000		
3/8	0.606	023-345	84	157-018	100	537-938	300	400 ml	B157-018	5500		
7/16	0.855	023-346	59	157-020	100	—	—	—	B157-020	3700		
1/2	1.225	023-347	42	157-022	100	537-942	100	400 ml	B157-022	2500		
9/16	1.685	—	—	157-023	100	—	—	—	B157-023	2000		
5/8	2.279	023-349	22	157-024	100	—	—	—	B157-024	1400		
3/4	3.556	023-350	13	157-026	100	—	—	—	B157-026	900		
7/8	5.870	—	—	157-028	100	—	—	—	B157-028	525		
1	8.613	—	—	157-030	100	—	—	—	B157-030	375		
1-1/8	11.564	—	—	—	—	—	—	—	B157-032	275		
1-1/4	14.900	—	—	—	—	—	—	—	B157-034	200		
1-1/2	25.917	—	—	—	—	—	—	—	B157-038	120		
CARTONS PLATED											Hardness Class 372-458 HV	
#12	0.090	—	—	158-012	1000	—	—	—	—	—		

101
Series

hpaulin® SPRING LOCK WASHERS (PAPCOLLOY)

PART CLASS #
804AU



PAPCOLLOY WASHERS are alloy steel, grade 8 flat washers. They are used with grade 8 hex bolts, nuts and lock washers to achieve the maximum strength of a high strength clamping application. Zinc finish for rust resistance. Always use same grades of bolts, nuts and washers in installations requiring strength. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

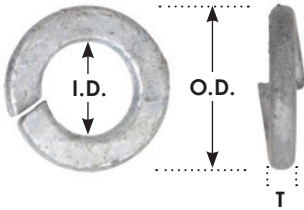
 Product not available in this pack size

YELLOW ZINC												Hardness Class 372-458 HV	
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
1/4	0.205	0.260	0.487	0.062	009-079	12	—	—	101-014	100	B101-014	15000	
5/16	0.380	0.322	0.583	0.078	009-080	10	—	—	101-016	100	B101-016	9000	
3/8	0.610	0.385	0.680	0.094	009-081	8	—	—	101-018	100	B101-018	5500	
7/16	1.105	0.450	0.776	0.109	009-082	6	—	—	101-020	100	B101-020	3700	
1/2	1.288	0.512	0.869	0.125	009-083	4	—	—	101-022	50	B101-022	2500	
9/16	1.770	0.574	0.965	0.141	—	—	—	—	101-023	50	B101-023	2000	
5/8	2.329	0.641	1.073	0.156	—	—	—	—	101-024	50	B101-024	1400	
3/4	3.656	0.766	1.265	0.188	—	—	—	—	101-026	40	B101-026	900	
7/8	5.867	0.894	1.459	0.219	—	—	—	—	101-028	40	B101-028	525	
1	8.427	1.024	1.656	0.250	—	—	—	—	101-030	40	B101-030	375	
1-1/8	11.382	1.153	1.847	0.281	—	—	—	—	101-032	20	B101-032	275	
1-1/4	15.450	1.280	2.036	0.312	—	—	—	—	101-034	20	B101-034	200	
1-1/2	27.800	1.534	2.419	0.375	—	—	—	—	101-038	20	B101-038	120	

856
Series

paulin SPRING LOCK WASHERS

PART CLASS #
804AV



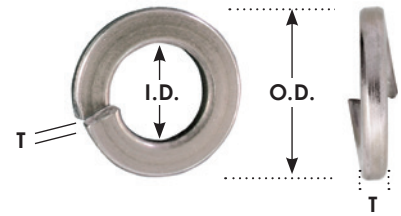
LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. Lock washers provide a locking spring action and are used to prevent nuts and bolts from coming loose from vibrations. They have split ends that help “lock” into the mating material, thus providing a locking feature when tightened beneath a nut. Hot dipped galvanized (HDG) provides one of the highest degree of corrosion-resistance of all mechanically plated fasteners. Used predominately in exterior applications where prolonged exposure to the elements are present. Ideal for marine applications such as docks and piers as well as landscaping projects including decks, fences, retaining walls, and more.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

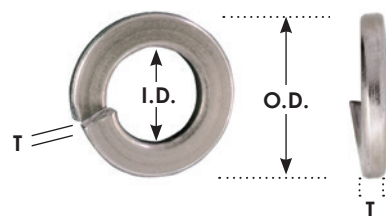
GALVANIZED												
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
1/4	0.220	0.260	0.487	0.062	—	—	—	—	856-514	100	B856-514	15000
5/16	0.380	0.322	0.583	0.078	—	—	—	—	856-516	100	B856-516	9000
3/8	0.600	0.385	0.680	0.094	—	—	—	—	856-518	100	B856-518	4000
1/2	1.360	0.512	0.869	0.125	—	—	—	—	856-522	100	B856-522	2000
5/8	2.379	0.641	1.073	0.156	—	—	—	—	856-524	100	B856-524	1400
3/4	3.765	0.766	1.265	0.188	—	—	—	—	856-526	100	B856-526	900
7/8	5.943	0.894	1.459	0.219	—	—	—	—	856-528	100	B856-528	525
1	8.800	1.024	1.656	0.250	—	—	—	—	856-530	100	B856-530	375
1-1/2	11.657	1.534	2.419	0.375	—	—	—	—	—	—	B856-534	200

5058
Series**paulin® SPRING LOCK WASHERS**PART CLASS #
804AX

LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter**O.D.** = Outside Diameter**T** = Thickness**ORDER BY ITEM (PACKAGE) NUMBER** Product not available in this pack size

18.8 STAINLESS STEEL					Hardness Class 32-43 HV					
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
#2	0.030	0.094	0.172	0.020	—	—	—	—	5058-002	100
#4	0.030	0.120	0.209	0.025	—	—	—	—	5058-004	100
#6	0.035	0.148	0.250	0.031	848-276	9	—	—	5058-006	100
#8	0.070	0.174	0.293	0.040	848-277	9	—	—	5058-008	100
#10	0.100	0.200	0.334	0.047	848-278	9	—	—	5058-010	100
#12	0.115	0.227	0.377	0.056	—	—	—	—	5058-012	100
1/4	0.200	0.260	0.487	0.062	009-109	16	—	—	5058-014	100
5/16	0.320	0.322	0.583	0.078	009-110	10	—	—	5058-016	100
3/8	0.500	0.385	0.680	0.094	009-111	8	—	—	5058-018	100
7/16	0.945	0.450	0.776	0.109	—	—	—	—	5058-020	100
1/2	1.250	0.512	0.869	0.125	009-112	4	—	—	5058-022	100
5/8	2.000	0.641	1.073	0.156	—	—	—	—	5058-024	100
3/4	3.200	0.766	1.265	0.188	—	—	—	—	5058-026	25
7/8	5.600	0.894	1.495	0.219	—	—	—	—	5058-028	25
1	8.000	1.024	1.656	0.250	—	—	—	—	5058-030	20

740
Series**paulin®****SPRING LOCK WASHERS - METRIC**PART CLASS #
804AW | DIN 127B = ISO 7980

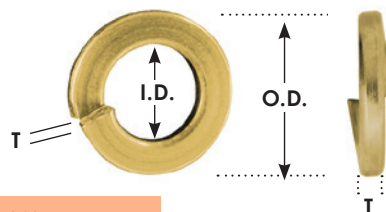
LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. Zinc and yellow zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications. Metric washer hardness is represented by the HV number or Vickers Hardness.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size

ZINC								Hardness Class 392 to 490 HV				
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
4 mm	0.05	4.1	7.6	0.9	—	—	024-324	80	740-004	100	B740-004	12000
5 mm	0.08	5.1	9.2	1.2	—	—	024-325	80	740-005	100	B740-005	10000
6 mm	0.19	6.1	9.7	1.4	009-035	16	024-326	60	740-006	100	B740-006	9000
8 mm	0.32	8.2	12.8	1.9	009-036	12	024-328	40	740-008	100	B740-008	6000
10 mm	0.55	10.2	16.1	2.35	009-037	10	024-330	32	740-010	100	B740-010	6000
12 mm	0.83	12.2	18.3	2.35	009-038	8	024-332	20	740-012	50	B740-012	4000
14 mm	1.32	14.2	21.4	2.8	—	—	—	—	740-014	25	B740-014	4000
16 mm	1.94	16.2	24.6	3.3	—	—	—	—	740-016	25	B740-016	2000
18 mm	2.22	18.2	26.6	3.3	—	—	—	—	740-018	25	B740-018	2000
20 mm	3.28	20.2	30.5	4.3	—	—	—	—	740-020	25	B740-020	2000
24 mm	5.46	24.5	35.9	4.8	—	—	—	—	740-024	25	B740-024	1100

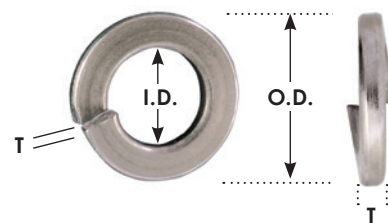
PART CLASS #
804AW | DIN 127B = ISO 7980

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size

YELLOW ZINC												Hardness Class 430 to 530 HV	
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
4 mm	0.06	4.1	7.6	0.9	—	—	—	—	740-404	100	B740-404	12000	
5 mm	0.10	5.1	9.2	1.2	—	—	—	—	740-405	100	B740-405	10000	
6 mm	0.18	6.1	11.8	1.6	—	—	—	—	740-406	100	B740-406	9000	
8 mm	0.36	8.1	14.8	2.0	—	—	—	—	740-408	100	B740-408	6000	
10 mm	0.57	10.2	18.1	2.2	—	—	—	—	740-410	100	B740-410	6000	
12 mm	0.85	12.2	21.1	2.5	—	—	—	—	740-412	50	B740-412	4000	
14 mm	1.30	14.2	24.1	3.0	—	—	—	—	740-414	25	B740-414	4000	
16 mm	2.02	16.2	27.4	3.5	—	—	—	—	740-416	25	B740-416	2000	
18 mm	2.18	18.2	29.4	3.5	—	—	—	—	740-418	25	B740-418	2000	
20 mm	3.42	20.2	33.6	4.0	—	—	—	—	740-420	25	B740-420	2000	
24 mm	5.68	24.5	40.0	5.0	—	—	—	—	740-424	25	B740-424	1100	

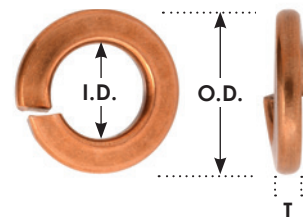
5909
Series**paulin® SPRING LOCK WASHERS - METRIC**PART CLASS #
804BA | DIN 127B = ISO 7980

LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

18.8 STAINLESS STEEL						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D. MM	O.D. MM	T MM	Black Box #	Qty
M6	0.150	6.5	11.8	1.5-1.7	5909-014	50
M8	0.330	8.5	14.8	1.9-2.1	5909-016	50
M10	0.595	10.7	18.1	2.0-2.4	5909-018	50
M12	0.860	12.7	21.1	2.3-2.7	5909-022	25
M16	2.080	17.0	27.4	3.3-3.7	5909-024	5
M20	3.300	21.2	33.6	3.8-4.2	5909-026	5

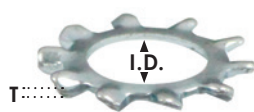
5458
Series**paulin® SPRING LOCK WASHERS**PART CLASS #
804AZ

LOCK WASHERS known as split lock washers are engineered to provide a more uniform load distribution. Ideal for situations where potential loosening from corrosion or vibration is a concern. Silicon bronze fasteners have high strength and high corrosion resistance against salt water, acids, salts and organic chemicals. Excellent for marine environment.

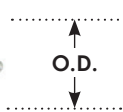
I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

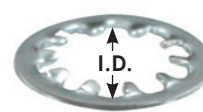
SILICON BRONZE Hardness Class 185 HV						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Black Box #	Qty
#6 (1/8)	0.050	0.148	0.250	0.031	5458-006	100
#8 (5/32)	0.080	0.174	0.293	0.040	5458-008	100
#10 (3/16)	0.138	0.200	0.334	0.047	5458-010	100
#12 (3/32)	0.196	0.227	0.377	0.056	5458-012	100
1/4	0.343	0.260	0.487	0.062	5458-014	100
5/16	0.455	0.322	0.583	0.078	5458-016	100
3/8	0.680	0.385	0.680	0.094	5458-018	100
1/2	1.390	0.512	0.869	0.125	5458-022	100
5/8	2.760	0.641	1.073	0.156	5458-024	100

161
Series**paulin® TOOTH LOCK WASHERS**PART CLASS #
804BI

External Type



Countersunk Type



Internal Type

EXTERNAL TOOTH LOCK WASHERS are used to lock nuts in place. They are serrated washers that create tension between the washer's teeth and the installation surface. External Tooth Lock Washers are used to lock assemblies underneath the head of the fastener or a nut.

INTERNAL TOOTH LOCK WASHERS are for locking and tension. Teeth on the inside of the washer create locking tension by "biting down" on the assembly. The tension adds resistance to rotation that may be caused by vibration. They provide a smooth finished exterior edge. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER
☐ Product not available in this pack size

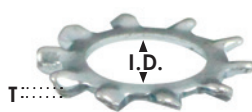
EXTERNAL TYPE - ZINC								Hardness Class 392-513 HV			
Bolt Size	Approx. Weight (lb) /100 pcs	I.D		O.D		T		Black Box #	Qty	Bulk Carton #	Qty
		Max	Min	Max	Min	Max	Min				
#4	0.017	0.123	0.115	0.260	0.245	0.018	0.012	161-104	100	B161-104	15000
#6 (1/8)	0.021	0.150	0.141	0.320	0.305	0.022	0.016	161-106	100	B161-106	15000
#8 (5/32)	0.015	0.176	0.168	0.381	0.365	0.023	0.018	161-108	100	B161-108	50000
#10 (3/16)	0.025	0.204	0.195	0.410	0.395	0.024	0.018	161-110	100	B161-110	15000
#12 (7/32)	0.090	0.231	0.221	0.475	0.460	0.027	0.020	161-112	100	B161-112	15000
1/4	0.069	0.267	0.256	0.510	0.494	0.028	0.023	161-114	100	B161-114	10000
5/16	0.085	0.322	0.320	0.610	0.588	0.034	0.028	161-118	100	B161-118	10000
3/8	0.175	0.398	0.384	0.694	0.670	0.040	0.032	161-120	100	B161-120	10000
7/16	0.170	0.464	0.448	0.760	0.740	0.040	0.032	161-122	100	B161-122	10000
1/2	0.314	0.530	0.513	0.900	0.880	0.045	0.037	161-124	100	B161-124	5000
9/16	0.380	0.596	0.576	0.985	0.960	0.045	0.037	161-126	100	B161-126	5000
5/8	0.425	0.663	0.641	1.070	1.045	0.050	0.042	161-128	100	B161-128	4000
3/4	0.680	0.795	0.768	1.260	1.220	0.055	0.047	161-132	100	B161-132	3000
7/8	0.925	0.927	0.897	1.410	1.380	0.060	0.052	161-134	100	B161-134	2000
1	1.300	1.060	1.025	1.620	1.590	0.067	0.059	161-136	100	B161-136	2000
INTERNAL TYPE - ZINC								Hardness Class 392-513 HV			
#4	0.019	0.123	0.115	0.270	0.245	0.018	0.012	161-204	100	B161-204	15000
#6 (1/8)	0.010	0.150	0.141	0.295	0.275	0.022	0.016	161-206	100	—	—
#8 (5/32)	0.026	0.176	0.168	0.340	0.325	0.023	0.018	161-208	100	—	—
#10 (3/16)	0.020	0.204	0.195	0.381	0.365	0.024	0.018	161-210	100	—	—
1/4	0.070	0.267	0.256	0.478	0.460	0.028	0.023	161-214	100	—	—
5/16	0.105	0.332	0.320	0.610	0.594	0.034	0.028	161-218	100	—	—
3/8	0.155	0.398	0.384	0.692	0.670	0.040	0.032	161-220	100	—	—
7/16	0.180	0.464	0.448	0.789	0.740	0.040	0.032	161-222	100	B161-222	10000
1/2	0.300	0.530	0.512	0.900	0.867	0.045	0.037	161-224	100	—	—
9/16	0.410	0.596	0.576	0.985	0.957	0.045	0.037	161-226	100	—	—
5/8	0.470	0.663	0.640	1.071	1.045	0.050	0.042	161-228	100	B161-228	4000
3/4	0.755	0.795	0.769	1.245	1.220	0.055	0.047	161-232	100	B161-232	3000
7/8	0.975	0.927	0.894	1.410	1.364	0.060	0.052	161-234	100	B161-234	2000
1	1.500	1.060	1.019	1.637	1.590	0.067	0.059	161-236	100	B161-236	2000

Limited stock available. Subject to change without notification.

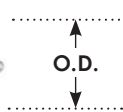
161
Series

PAULIN TOOTH LOCK WASHERS

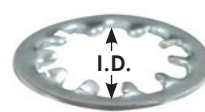
PART CLASS #
804BI



External Type



Countersunk Type



Internal Type

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

EXTERNAL COUNTERSUNK TYPE - ZINC

Hardness Class 392-513 HV

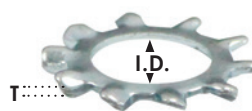
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.		O.D.		T		Black Box #	Qty	Bulk Carton #	Qty
		Max	Min	Ref	Max	Min	Max				
1/4	0.062	0.267	0.255	0.454	0.025	0.020	—	—	—	B161-314	10000

5061
Series

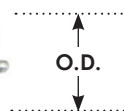
5062
Series

PAULIN TOOTH LOCK WASHERS

PART CLASS #
804BJ



External Type



Internal Type

EXTERNAL and INTERNAL TOOTH LOCK WASHERS are used to lock nuts in place. Stainless Steel Fasteners provide excellent protection against corrosion caused by extreme exposure to the elements, water or humidity. Stainless Steel Fasteners are recommended whenever the highest degree of protection is desired or necessary.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

EXTERNAL - 410 STAINLESS STEEL

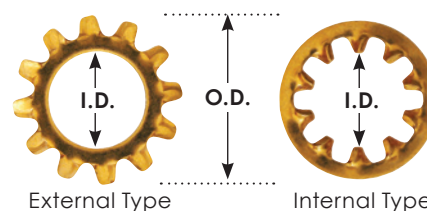
Hardness Class 392-513 HV

Bolt Size	Approx. Weight (lb) /100 pcs	I.D.		O.D.		T		Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
		Max	Min	Max	Min	Max	Min						
#4	0.020	0.123	0.115	0.260	0.245	0.018	0.012	—	—	—	—	5061-104	100
#6	0.030	0.150	0.141	0.320	0.305	0.022	0.016	—	—	—	—	5061-106	100
#8	0.040	0.176	0.168	0.381	0.365	0.023	0.018	—	—	—	—	5061-108	100
#10	0.050	0.204	0.195	0.410	0.395	0.024	0.018	—	—	—	—	5061-110	100
1/4	0.070	0.267	0.256	0.510	0.494	0.028	0.023	—	—	—	—	5061-114	100
5/16	0.135	0.322	0.320	0.610	0.588	0.034	0.028	—	—	—	—	5061-118	100
3/8	0.165	0.398	0.384	0.694	0.670	0.040	0.032	—	—	—	—	5061-120	100
1/2	0.365	0.530	0.513	0.900	0.880	0.045	0.037	—	—	—	—	5061-124	100
5/8	0.510	0.663	0.641	1.070	1.045	0.050	0.042	—	—	—	—	5061-128	100

INTERNAL - 410 STAINLESS STEEL

Hardness Class 392-513 HV

Bolt Size	Approx. Weight (lb) /100 pcs	I.D.		O.D.		T		Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
		Max	Min	Max	Min	Max	Min						
#4	0.025	0.123	0.115	0.270	0.245	0.018	0.012	—	—	—	—	5062-204	100
#6	0.030	0.150	0.141	0.295	0.275	0.022	0.016	—	—	—	—	5062-206	100
#8	0.035	0.176	0.168	0.340	0.325	0.023	0.018	—	—	—	—	5062-208	100
#10	0.070	0.204	0.195	0.381	0.365	0.024	0.018	—	—	—	—	5062-210	100
1/4	0.093	0.267	0.256	0.478	0.460	0.028	0.023	—	—	—	—	5062-214	100
5/16	0.115	0.332	0.320	0.610	0.594	0.034	0.028	—	—	—	—	5062-218	100
3/8	0.270	0.398	0.384	0.692	0.670	0.040	0.032	—	—	—	—	5062-220	100
1/2	0.330	0.530	0.512	0.900	0.867	0.045	0.037	—	—	—	—	5062-224	100
5/8	0.390	0.663	0.640	1.071	1.045	0.050	0.042	—	—	—	—	5062-228	100

5461
Series**5462**
Series**paulin****TOOTH LOCK WASHERS**PART CLASS #
804BK

EXTERNAL and **INTERNAL TOOTH LOCK WASHERS** are used to lock nuts in place. Silicon bronze fasteners have high strength and high corrosion resistance against salt water, acids, salts and organic chemicals. Excellent for marine environment.

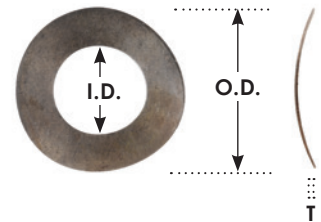
I.D. = Inside Diameter**O.D.** = Outside Diameter**ORDER BY ITEM (PACKAGE) NUMBER**
☐ Product not available in this pack size

EXTERNAL - SILICON BRONZE													
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.		O.D.		T		Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
		Max	Min	Max	Min	Max	Min						
#6 (1/8)	0.045	0.150	0.141	0.320	0.305	0.022	0.016	—	—	—	—	5461-106	100
#8 (5/32)	0.060	0.176	0.168	0.381	0.365	0.023	0.018	—	—	—	—	5461-108	100
#10 (3/16)	0.065	0.204	0.195	0.410	0.395	0.024	0.018	—	—	—	—	5461-110	100
1/4	0.090	0.267	0.256	0.510	0.494	0.028	0.023	—	—	—	—	5461-114	100
5/16	0.115	0.332	0.320	0.610	0.588	0.034	0.028	—	—	—	—	5461-118	100
3/8	0.140	0.398	0.384	0.694	0.670	0.040	0.032	—	—	—	—	5461-120	100
1/2	0.160	0.530	0.513	0.900	0.880	0.045	0.037	—	—	—	—	5461-124	100
5/8	0.180	0.663	0.641	1.070	1.045	0.050	0.042	—	—	—	—	5461-128	100
INTERNAL - SILICON BRONZE													
#4	0.035	0.123	0.115	0.270	0.245	0.018	0.012	—	—	—	—	5462-204	100
#6 (1/8)	0.050	0.150	0.141	0.295	0.275	0.022	0.016	—	—	—	—	5462-206	100
#8 (5/32)	0.055	0.176	0.168	0.340	0.325	0.023	0.018	—	—	—	—	5462-208	100
#10 (3/16)	0.050	0.204	0.195	0.381	0.365	0.024	0.018	—	—	—	—	5462-210	100
1/4	0.080	0.267	0.256	0.478	0.460	0.028	0.023	—	—	—	—	5462-214	100
5/16	0.165	0.332	0.320	0.610	0.594	0.034	0.028	—	—	—	—	5462-216	100
3/8	0.185	0.398	0.384	0.692	0.670	0.040	0.032	—	—	—	—	5462-218	100
5/8	0.605	0.663	0.640	1.071	1.045	0.050	0.042	—	—	—	—	5462-228	100

162
Series

paulin® TENSION WASHERS

PART CLASS #
804BH



TENSION WASHER also known as a wave washer is a load bearing metal washer has an irregular shape that acts as a spring and compresses when tightened. Can be used on uneven surfaces and to dampen vibration. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

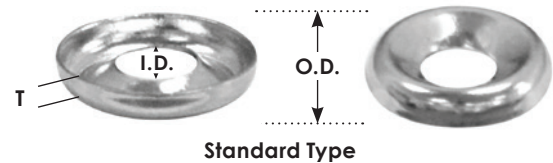
 Product not available in this pack size

ZINC										
Shaft Diameter	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
#10 (3/16)	0.050	0.199	0.563	0.011	—	—	162-963	100	—	—
1/4	0.030	0.271	0.485	0.008	—	—	162-964	100	—	—
5/16	0.025	0.296	0.563	0.011	—	—	162-965	100	—	—
3/8	0.060	0.398	0.750	0.008	—	—	162-966	100	—	—
7/16	0.065	0.457	0.750	0.012	—	—	162-967	100	—	—
1/2	0.045	0.522	0.750	0.013	—	—	162-968	100	—	—

162
Series

paulin® FINISHING WASHERS (COUNTERSUNK)

PART CLASS #
804AG



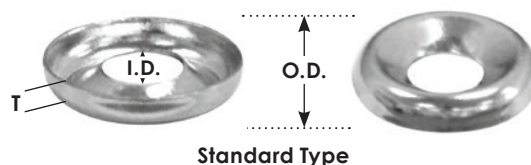
FINISHING WASHERS are countersunk to accept the countersunk head of oval or flat head screws. They provide a finished look to projects where countersinking the screw alone is not possible or a load bearing washer is required. Finishing washers are used in a multitude of products. They can be used with wood, metal or machine screws with countersunk heads and are sized according to the screw gauge number of the screw for correct fit. Nickel plating provides high resistance to corrosion and does not flake or chip.

I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

NICKEL										Standard
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
#6 (1/8)	0.065	0.168	7/16	0.167	—	—	162-981	100	B162-981	30000
#8 (5/32)	0.086	0.207	1/2	0.193	—	—	162-982	100	B162-982	20000
#10 (3/16)	0.160	0.247	19/32	0.228	—	—	162-983	100	B162-983	20000
#12 (7/32)	0.192	0.275	11/16	0.291	—	—	162-984	100	B162-984	15000
1/4	0.205	0.320	25/32	0.318	—	—	162-985	100	B162-985	7500
NICKEL										Flush
3/16	0.120	—	15/32	13/64	—	—	—	—	B162-990	25000
1/4	0.240	—	5/8	17/64	—	—	—	—	B162-994	7500

162
Series**paulin® FINISHING WASHERS (COUNTERSUNK)**PART CLASS #
804AI

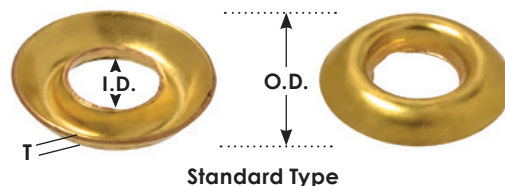
COUNTERSUNK FINISHING WASHERS are designed to accept the countersunk head of oval or flat head screws, they provide a finished look to projects where countersinking the screw alone is not possible or a load bearing washer is required. Made of solid brass for a high quality look for any repair, remodeling or construction project. Used to mount a variety of brass hardware or for adding a decorative touch on woodworking projects.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size

BRASS NICKEL PLATED										Standard		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
#6 (1/8)	0.083	0.180	0.438	0.110	—	—	—	—	162-971	100	B162-971	30000
#8 (5/32)	0.091	0.210	0.531	0.130	—	—	—	—	162-973	100	B162-973	20000
#10 (3/16)	0.108	0.250	0.594	0.130	—	—	—	—	162-975	100	B162-975	20000
#12 (7/32)	0.141	0.280	0.688	0.160	—	—	—	—	162-977	100	B162-977	15000
1/4	0.205	0.320	0.781	0.180	—	—	—	—	162-979	100	B162-979	7500

5656
Series**paulin® FINISHING WASHERS (COUNTERSUNK)**PART CLASS #
804AI

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

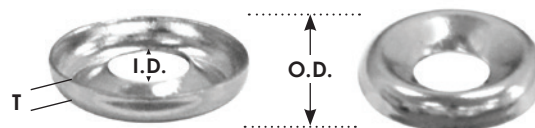
☐ Product not available in this pack size

BRASS										Standard	
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	
#4	0.085	0.140	0.375	0.110	—	—	—	—	5656-670	100	
#6	0.080	0.180	0.438	0.110	—	—	—	—	5656-671	100	
#8	0.135	0.210	0.531	0.130	—	—	—	—	5656-673	100	
#10	0.100	0.250	0.594	0.130	—	—	—	—	5656-675	100	
1/4	0.245	0.320	0.781	0.180	—	—	—	—	5656-679	100	
5/16	0.415	0.380	0.891	0.180	—	—	—	—	5656-681	100	

5056
Series

paulin® FINISHING WASHERS (COUNTERSUNK)

PART CLASS #
804AH |



Standard Type

COUNTERSUNK FINISHING WASHERS are designed to accept the countersunk head of oval or flat head screws, they provide a finished look to projects where countersinking the screw alone is not possible or a load bearing washer is required. 18.8 stainless steel fasteners have excellent corrosion resistant qualities and are an excellent choice for general use and outdoor applications.

I.D. = Inside Diameter

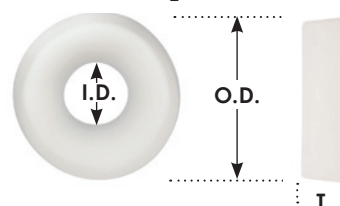
O.D. = Outside Diameter

T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

18.8 STAINLESS STEEL										
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
#6	0.070	0.180	0.438	0.110	848-266	9	—	—	5056-971	100
#8	0.100	0.210	0.531	0.130	848-267	9	—	—	5056-973	100
#10	0.130	0.250	0.594	0.130	848-268	9	—	—	5056-975	100
#12	0.150	0.280	0.688	0.160	—	—	—	—	5056-977	100
1/4	0.290	0.320	0.781	0.180	848-269	8	—	—	5056-979	100
5/16	0.395	0.380	0.891	0.180	—	—	—	—	5056-981	100

5706
Series**paulin® FINISHING WASHERS (COUNTERSUNK)**PART CLASS #
804BB

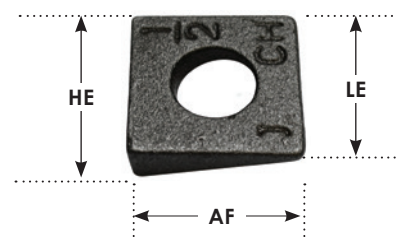
COUNTERSUNK FINISHING WASHER are designed to accept the countersunk head of oval or flat head screws. They provide a finished look to projects where countersinking the screw alone is not possible or a load bearing washer is required. Nylon is non-corrosive, anti-magnetic, and resistant to friction and vibration. Nylon washers can withstand a good deal of wear and tear and movement without becoming damaged or compromised. Their weather-resistant properties allow for great versatility in a range of outdoor application. Nylon washers also have natural internal lubrication and high-temperature resistance. Nylon is also non conductive and very insulative, making it an ideal choice for electrical applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

NYLON										
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
#6	0.070	0.143	0.438	0.100	—	—	—	—	5706-206	100
#8	0.060	0.171	0.510	0.115	—	—	—	—	5706-208	100
#10	0.075	0.196	0.575	0.152	—	—	—	—	5706-210	100
1/4	0.130	0.26	0.683	0.180	—	—	—	—	5706-214	100

162
Series**paulin® BEVEL WASHERS**PART CLASS #
804AB

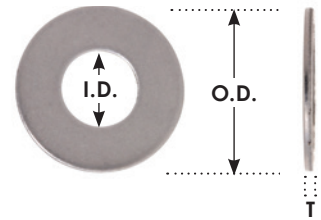
BEVEL WASHERS also called leveling washers are tapered to provide a parallel bearing surface on an uneven surface such as an I-beam. Bare finish fasteners have low corrosion resistance and are a good choice for indoor and industrial applications.

AF: Across Flats **HE:** Heavy End **LE:** Light End

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

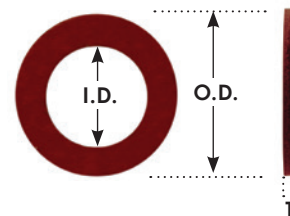
BARE METAL (PLAIN)												
Bolt Size	Approx. Weight (lb) /100 pcs	AF	HE	LE	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
3/8	7.367	1-1/4	11/32	5/32	—	—	—	—	162-890	50	B162-890	600
1/2	7.083	1-1/4	11/32	5/32	—	—	—	—	162-892	50	B162-892	600
5/8	10.833	1-1/2	13/32	5/32	—	—	—	—	162-894	50	B162-894	300
3/4	13.400	1-1/2	15/32	7/32	—	—	—	—	162-896	50	B162-896	300
7/8	32.200	2	9/16	7/32	—	—	—	—	162-898	50	B162-898	100
1	29.970	2	9/16	7/32	—	—	—	—	162-900	50	B162-900	100

162
Series**paulin® SPACER WASHERS**PART CLASS #
804BG

All Spacer Washers are 1/32" thick. Commonly used on axles, and shafts to space between cotter pins, lock nuts, hitch pin clips and hitch pins or to take up slack between machinery parts. Minimizes wear due to slipping and vibration. Provides a tight fit. Zinc plated fasteners have good corrosion resistant qualities and are a better choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter**O.D.** = Outside Diameter**T** = Thickness**ORDER BY ITEM (PACKAGE) NUMBER**
☐ Product not available in this pack size

ZINC								
Hole Size	Approx. Weight (lb) /100 pcs	I.D. Nominal	O.D.	T	Clamshell #	Qty	Black Box #	Qty
#10 (3/16)	0.125	0.192	1/2	1/32	—	—	162-910	100
1/4	0.100	0.254	9/16	1/32	—	—	162-914	100
5/16	0.235	0.319	5/8	1/32	—	—	162-916	100
3/8	0.260	0.382	3/4	1/32	—	—	162-918	100
7/16	0.295	0.452	13/16	1/32	—	—	162-920	100
1/2	0.374	0.506	7/8	1/32	—	—	162-922	100
9/16	0.455	0.566	1	1/32	—	—	162-923	100
5/8	0.415	0.633	1	1/32	—	—	162-924	100
11/16	0.425	0.7	1-1/16	1/32	—	—	162-925	100
3/4	0.460	0.766	1-1/8	1/32	—	—	162-926	100
13/16	0.600	0.812	1-1/4	1/32	—	—	162-927	100
7/8	0.740	0.895	1-3/8	1/32	—	—	162-928	100
1	1.600	1.02	1-1/2	1/32	—	—	162-930	50
1-1/8	0.900	1.250	1-5/8	1/32	—	—	162-932	50
1-1/4	1.320	1.250	1-7/8	1/32	—	—	162-934	50
1-3/8	1.333	1.375	2	1/32	—	—	162-936	50
1-1/2	1.870	1.51	2-1/4	1/32	—	—	162-938	50
2	2.340	2	2-3/4	1/32	—	—	162-944	25

162
Series**paulin® FIBRE WASHERS**PART CLASS #
804AF

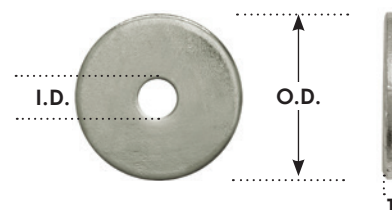
FIBRE WASHERS are made from vulcanized fibre and are used wherever an insulating washer or gasket is required. Found on electrical appliances and tools as well as generators, drain plugs, carburetors and fuel pumps in cars, trucks, and machinery.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
1/8	0.030	1/8	5/16	1/32	—	—	—	—	162-204	100
3/16	0.010	3/16	3/8	1/32	—	—	—	—	162-206	100
1/4	0.040	1/4	1/2	1/32	—	—	—	—	162-209	100
5/16	0.055	5/16	9/16	1/16	—	—	—	—	162-261	100
3/8	0.075	3/8	5/8	1/16	—	—	—	—	162-262	100
1/2	0.075	1/2	3/4	1/16	—	—	—	—	162-265	100

162
Series**paulin® BONDED WASHERS**PART CLASS #
804AC

BONDED WASHERS have a rubber-like gasket "fused" to the steel washer to provide a seal on the surface area. Fastening sheet metal, fiberglass or other manmade products or panels in exterior applications requires a gasket to prevent water from penetrating beneath the fastener head. The absence of a seal can result in rot, discoloration or corrosion. Fasten with sufficient force to flatten the washer without "dishing" it. Bonded washers are both ozone and weather resistant. Zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor, outdoor and industrial applications.

I.D. = Inside Diameter **O.D.** = Outside Diameter **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

ZINC										
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
1/4	0.330	0.275	0.625	0.084	—	—	—	—	162-283	50
5/16	0.420	0.330	0.750	0.084	—	—	—	—	162-284	50
3/8	0.370	0.434	0.750	0.084	—	—	—	—	162-285	50

PLATE WASHERS

Screw or Bolt Size	Hole Diameter	Outside Diameter	Thickness		Zinc and Bare		Hot Dipped Galvanized	
			Gauge	Inches	Approx. Number in 100 lbs.	Approx. Weight 1000 Pcs. In lbs.	Approx. Number in 100 lbs.	Approx. Weight 1000 Pcs. In lbs.
1/8	3/16	7/16	18	3/64	55,400	1.8	-	-
3/16	1/4	9/16	18	3/64	29,400	3.4	-	-
1/4	5/16	3/4	16	1/16	16,200	6.2	15,700	6.4
5/16	3/8	7/8	14	5/64	9,600	10.4	9,100	11.0
3/8	7/16	1"	14	5/64	7,460	13.4	6,500	15.4
7/16	1/2	1-1/4	13	3/32	3,800	26.2	3,350	29.9
1/2	9/16	1-3/8	12	7/64	2,740	36.6	2,400	41.7
9/16	5/8	1-1/2	12	7/64	2,300	43.3	2,100	47.6
5/8	11/16	1-3/4	10	9/64	1,290	77.5	1,200	83.3
5/8L	3/4	1-3/4	10	9/64	1,340	74.8	-	-
3/4	13/16	2"	10	9/64	1,000	100.0	950	105.3
3/4L	7/8	2"	9	5/32	930	107.6	-	-
7/8	15/16	2-1/4	9	5/32	720	139.2	660	151.5
7/8L	1"	2-1/4	9	5/32	740	135.2	-	-
1"	1-1/16	2-1/2	9	5/32	580	170.4	530	188.7
1"L	1-1/8	2-1/2	9	5/32	600	165.9	-	-
1-1/8	1-3/16	2-3/4	9	5/32	490	204.7	-	-
1-1/8L	1-1/4	2-3/4	9	5/32	500	199.7	-	-
1-1/4	1-5/16	2-3/4	9	5/32	520	194.3	-	-
1-1/4L	1-3/8	3"	9	5/32	420	236.6	-	-
1-3/8	1-1/2	3-1/4	9	5/32	360	276.6	-	-
1-1/2	1-9/16	3-1/4	8	11/64	340	297.2	-	-
1-1/2L	1-5/8	3-1/2	8	11/64	280	351.6	-	-
1-5/8	1-3/4	3-3/4	8	11/64	250	402.5	-	-
1-3/4	1-13/16	3-3/4	7	3/16	230	430.1	-	-
1-3/4L	1-7/8	4"	7	3/16	200	498.3	-	-
2"	2-1/16	4-1/4	7	3/16	180	551.1	-	-
2"L	2-1/8	4-1/2	7	3/16	160	628.0	-	-

S.A.E. WASHERS

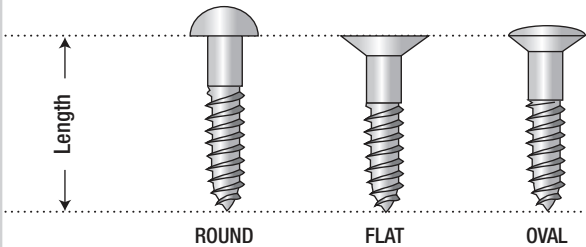
No. 2	3/32	1/4	22	1/32	250,000	.4	-	-
No. 4	1/8	5/16	22	1/32	165,000	.6	-	-
No. 6 (1/8)	5/32	3/8	18	3/64	80,000	1.3	-	-
No. 8	3/16	7/16	18	3/64	55,000	1.8	-	-
No. 10 (3/16)	7/32	1/2	16	1/16	37,000	2.7	-	-
1/4	9/32	5/8	16	1/16	24,400	4.1	-	-
5/16	11/32	11/16	16	1/16	21,200	4.7	-	-
3/8	13/32	13/16	16	1/16	15,140	6.6	-	-
7/16	15/32	59/64	16	1/16	11,360	8.8	-	-
1/2	17/32	1-1/16	13	3/32	5,900	16.9	-	-
9/16	19/32	1-3/16	13	3/32	4,740	21.1	-	-
5/8	21/32	1-5/16	13	3/32	3,880	25.8	-	-
3/4	13/16	1-1/2	11	1/8	2,360	42.3	-	-
7/8	15/16	1-3/4	11	1/8	1,720	58.1	-	-
1"	1-1/16	2"	11	1/8	1,310	76.4	-	-

*Note: Number of pieces per pound may vary $\pm$ 15% based on I.F.I. allowable thickness tolerances.

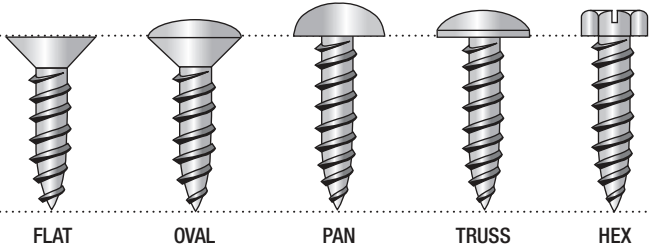
NOTES

FASTENER IDENTIFICATION CHART

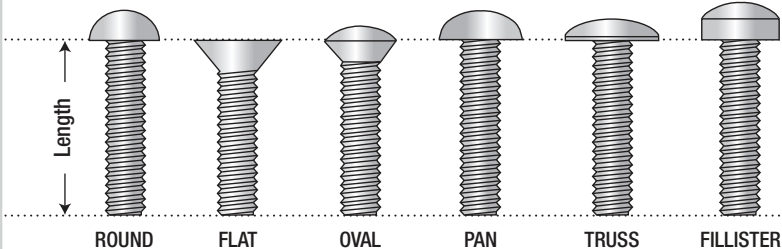
WOOD SCREWS



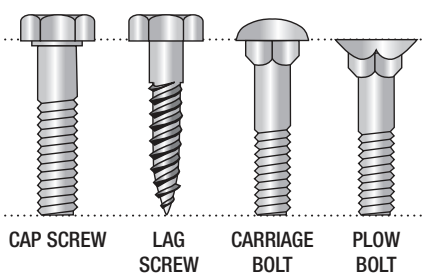
TAPPING SCREWS



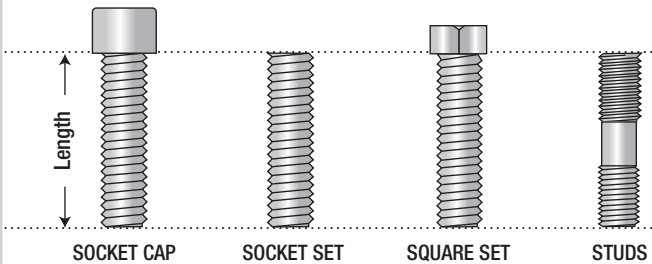
MACHINE SCREWS



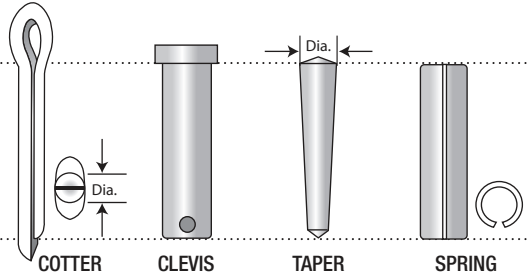
SCREWS & BOLTS



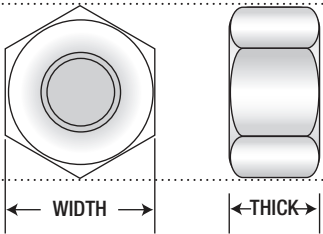
SET SCREWS & STUDS



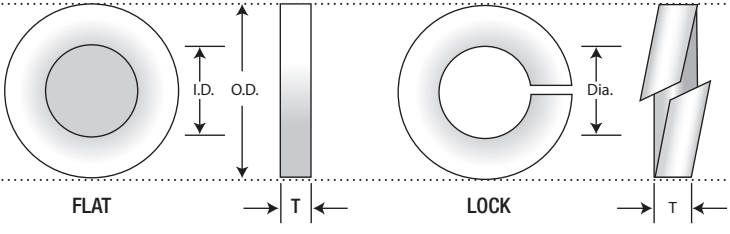
STANDARD PINS



HEX NUTS



WASHERS





TORONTO

900 Passmore Avenue, Toronto, ON, M1X 0C6

Tel: 416-694-3351

Fax: 416-981-7956

LAVAL

2591 Debray Street Laval, QC H7S 2J4

Tel: 1-450-688-4292

Fax: 1-450-688-4750

EDMONTON

17306 129th Avenue Edmonton, AB T5V 0C7

Tel: 1-800-262-9026

Fax: 1-780-900-0463

WINNIPEG

1670-A Inkster Blvd. Winnipeg, MB. R2X 2W8

Tel: 1-204 694-3802

Fax: 1-204-694-3804

VANCOUVER

3179 Thunderbird Cres. Burnaby, BC V5A 3G1

Tel: 1-604-421-3096

Fax: 1-604-357-1112



The Hillman Group Canada ULC

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