



METRIC FASTENERS

The Right Metric Fastening Choice



HILLMAN™

The Hillman Group Canada ULC

TABLE OF CONTENTS

Assortments	89
Automotive	105
Bolts	4
Merchandisers.....	100
Nuts.....	58
Rods & Pins.....	83
Screws	79
Technical Information	118
Washers.....	74

At Paulin®, we stock a comprehensive range of standard and non-standard METRIC FASTENERS. 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, Paulin® has been a customer-first organization that built a loyal customer base centred on trust, dedication and long lasting relationships. Being the First In Fasteners, we look forward to being The Right Metric Fastening Choice.

METRIC FASTENERS are commonly manufactured to meet standards set by DIN - German Institute for Standardization or ISO - International Organization for Standardization. Often the JIS - Japanese Industrial Standard and ANSI - American National Standards Institute may also be specified.

What does DIN mean in fasteners?

DIN standard. DIN stands for “**Deutsches Institut für Normung**” meaning “**German Institute for Standardisation**”. National standards (DIN) will be/have been largely replaced by international/European standards.

METRIC FASTENERS are measured in millimetres when compared to imperial fasteners that are measured in inches. The size of a metric screw or bolt is specified as diameter, pitch and length, in millimetres (millimetres is abbreviated “mm”). For nuts, size will appear as diameter and pitch. If pitch isn’t specified, the fastener is coarse threaded.

M10-1.5 x 35 Here's what the description means...

- M = Metric thread designation
- 10 = Nominal Diameter, in millimetres
- 1.5 = Pitch (distance from thread to thread) in millimetres
- 35 = Length, in millimetres

**M10 is the
matching
coarse
threaded nut**

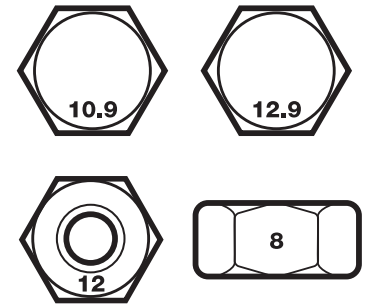
hpaulin[®] METRIC FASTENERS

CLASS AND STRENGTH

METRIC FASTENERS designates strength capabilities as property class or class rather than grades as used in Imperial fasteners. Classes are numeric and are stamped on most bolts and nuts to identify the fastener's class. These fasteners are made to meet certain strength requirements. Always replace a fastener with same or higher grade (don't replace a Class 10.9 with a Class 8.8). If strength is important, verify the class marking is present.

- Tensile strength is the amount of force (pull) the bolt can withstand before not returning to its original length after the pressure is released. The harder the bolt, the greater tensile strength
- Yield strength is the amount of force (pull) it takes to make the bolt break

Common Metric Classes	Strength
Class 4	Similar to Grade 2
Class 8.8 / Class 8	Similar to Grade 5
Class 10.9 / Class 10	Similar to Grade 8
Class 12.9 / Class 12	Highest Class for strength, exceeds Grade 8



STAINLESS STEEL

18.8 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.

PACKAGING TYPES AVAILABLE

Clamshell



Handy Pak



Black Box



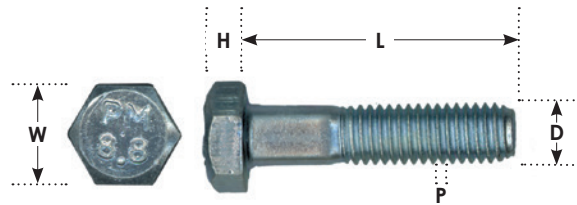
Bulk Carton
(1/4 Keg)



608
Series**paulin® METRIC HEX HEAD CAP SCREWS**

PART CLASS

806BU | DIN 933 = ISO 4017 Fully Threaded
 806AI | DIN 931 = ISO 4014 Partially Threaded



METRIC HEX HEAD CAP SCREWS are similar to imperial fasteners in types, head styles, drives and applications and can often be confused with their imperial counterparts. Always check carefully the fastener being replaced to determine whether it is an imperial or metric fastener.

A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER**ISO Coarse Thread**

Product not available in this pack size

ZINC PLATEDDiameter-Pitch: **M4-.70**Across Flats: **7** Height: **2.8**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.39	—	—	—	—	608-136	100	—	—
16 mm	933	0.47	—	—	—	—	608-139	100	B608-139	8000
20 mm	933	0.53	—	—	—	—	608-141	100	—	—
25 mm	933	0.67	—	—	024-004	11	608-143	100	—	—

Diameter-Pitch: **M5-.80**Across Flats: **8** Height: **3.5**

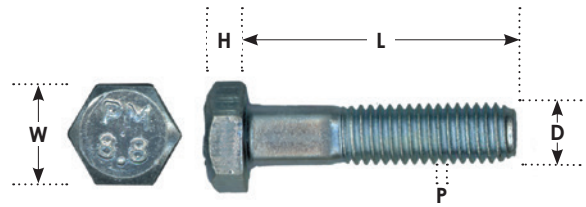
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.63	—	—	024-012	25	608-198	100	B608-198	6300
16 mm	933	0.73	—	—	024-013	19	608-201	100	B608-201	5400
20 mm	933	0.81	—	—	024-014	17	608-203	100	B608-203	4700
25 mm	933	0.99	—	—	024-015	16	608-205	100	B608-205	3900

Diameter-Pitch: **M6-1.00**Across Flats: **10** Height: **4.0**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	1.01	009-221	14	024-023	21	608-267	100	B608-267	3700
16 mm	933	1.19	009-222	12	024-024	18	608-270	100	B608-270	3000
20 mm	933	1.32	009-223	10	024-025	17	608-272	100	B608-272	3000
25 mm	933	1.53	009-224	8	024-026	15	608-274	100	B608-274	2500
30 mm	933	1.80	009-225	7	024-027	13	608-276	100	B608-276	2200
35 mm	931	2.03	009-226	6	024-028	10	608-277	100	B608-277	1900
35 mm	933	2.03	—	—	—	—	608-277TFL	100	B608-277TFL	1900
40 mm	931	2.26	009-227	6	024-029	10	608-278	100	B608-278	1750
40 mm	933	2.26	—	—	—	—	608-278TFL	100	B608-278TFL	1750
45 mm	931	2.50	—	—	024-030	9	608-279	100	B608-279	1600
50 mm	931	2.76	—	—	024-031	9	608-280	100	B608-280	1400
55 mm	931	2.90	—	—	—	—	608-281	100	B608-281	1000
60 mm	931	3.30	—	—	—	—	608-283	100	B608-283	1000
65 mm	931	3.30	—	—	—	—	608-284	100	B608-284	750
70 mm	931	3.74	—	—	—	—	608-285	100	B608-285	900
75 mm	931	3.90	—	—	—	—	608-286	100	B608-286	750
80 mm	931	4.24	—	—	—	—	608-287	100	B608-287	800
90 mm	931	4.50	—	—	—	—	608-289	100	B608-289	550
100 mm	931	5.00	—	—	—	—	608-291	100	B608-291	450

608
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M8-1.25**Across Flats: **13** Height: **5.5**

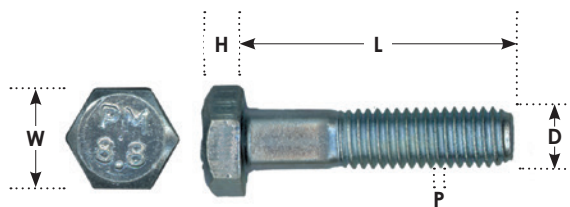
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	2.00	—	—	024-045	9	608-311	100	B608-311	2000
16 mm	933	2.35	009-228	10	024-046	9	608-314	100	B608-314	1700
20 mm	933	2.66	009-229	9	024-047	9	608-316	100	B608-316	1500
25 mm	933	2.96	009-230	8	024-048	9	608-318	100	B608-318	1350
30 mm	933	3.34	009-231	7	024-049	8	608-320	100	B608-320	1150
35 mm	931	3.87	009-232	6	024-050	7	608-321	100	B608-321	1000
40 mm	931	4.30	009-233	5	024-051	6	608-322	100	B608-322	925
40 mm	933	4.30	—	—	—	—	608-322TFL	100	B608-322TFL	925
45 mm	931	4.76	009-234	5	024-052	5	608-323	100	B608-323	850
50 mm	931	5.10	009-235	4	024-053	5	608-324	100	B608-324	750
55 mm	931	5.50	—	—	—	—	608-325	100	B608-325	700
60 mm	931	6.10	—	—	024-055	4	608-326	100	B608-326	650
65 mm	931	6.20	—	—	—	—	608-327	100	B608-327	600
70 mm	931	6.50	—	—	024-057	3	608-328	100	B608-328	550
75 mm	933	6.94	—	—	—	—	608-329TFL	100	B608-329TFL	550
80 mm	931	7.72	—	—	—	—	608-330	100	B608-330	500
90 mm	931	8.40	—	—	—	—	608-331	100	B608-331	450
100 mm	931	9.30	—	—	—	—	608-332	100	B608-332	400
110 mm	931	10.10	—	—	—	—	608-333	100	B608-333	350
120 mm	931	10.70	—	—	—	—	608-334	100	B608-334	350
130 mm	931	11.70	—	—	—	—	608-335	100	B608-335	300
140 mm	931	13.20	—	—	—	—	608-338	100	B608-338	250
150 mm	931	13.30	—	—	—	—	608-339	100	B608-339	250
160 mm	931	14.30	—	—	—	—	608-340	100	B608-340	250
180 mm	931	15.90	—	—	—	—	608-342	100	B608-342	225
200 mm	931	17.70	—	—	—	—	608-344	100	B608-344	225

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

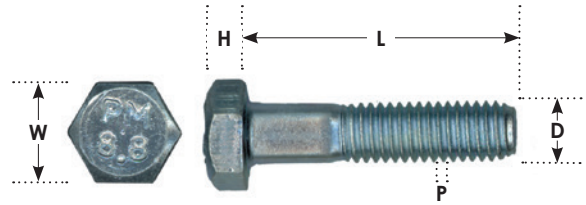
ZINC PLATED										
Diameter-Pitch: M10-1.50							Across Flats: 17 Height: 7.0			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	4.23	—	—	—	—	608-364	100	B608-364	950
20 mm	933	4.81	009-236	5	024-060	5	608-366	100	B608-366	850
25 mm	933	5.44	009-237	4	024-061	4	608-368	100	B608-368	750
30 mm	933	5.96	009-238	4	024-062	4	608-370	100	B608-370	700
35 mm	933	6.52	009-239	3	024-063	4	608-371	100	B608-371	600
40 mm	931	7.31	009-240	3	024-064	4	608-372	100	B608-372	550
40 mm	933	7.31	—	—	—	—	608-372TFL	100	B608-372TFL	550
45 mm	931	7.91	—	—	—	—	608-373	100	B608-373	500
50 mm	931	8.63	009-241	2	024-066	3	608-374	100	B608-374	450
50 mm	933	8.63	—	—	—	—	608-374TFL	100	B608-374TFL	450
55 mm	931	9.20	—	—	—	—	608-375	100	B608-375	450
60 mm	931	10.01	009-242	2	024-068	3	608-376	100	B608-376	400
65 mm	931	10.50	—	—	—	—	608-377	100	B608-377	400
70 mm	931	11.22	009-243	2	024-070	3	608-378	100	B608-378	350
75 mm	931	11.86	—	—	—	—	608-379	100	B608-379	300
80 mm	931	12.54	—	—	—	—	608-380	100	B608-380	300
90 mm	931	13.80	—	—	—	—	608-381	100	B608-381	250
100 mm	931	15.70	—	—	—	—	608-382	100	B608-382	250
110 mm	931	16.80	—	—	—	—	608-383	100	B608-383	200
120 mm	931	18.00	—	—	—	—	608-384	100	B608-384	200
130 mm	931	19.20	—	—	—	—	608-385	100	B608-385	175
140 mm	931	20.80	—	—	—	—	608-386	100	B608-386	175
150 mm	931	22.00	—	—	—	—	608-387	100	B608-387	150
160 mm	931	23.20	—	—	—	—	608-388	100	B608-388	175
180 mm	931	27.00	—	—	—	—	608-390	100	B608-390	150
200 mm	931	29.00	—	—	—	—	608-392	100	B608-392	150

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M12-1.75**

Across Flats: **19** Height: **8.0**

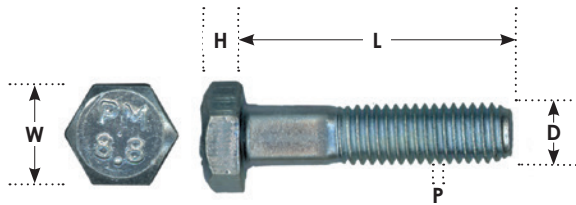
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	7.10	—	—	—	—	608-410	50	B608-410	600
25 mm	933	7.81	009-244	2	—	—	608-412	50	B608-412	500
30 mm	933	8.57	—	—	024-075	3	608-414	50	B608-414	450
35 mm	933	9.40	009-245	2	—	—	608-415	50	B608-415	400
40 mm	933	10.28	009-246	2	024-077	3	608-416	50	B608-416	370
45 mm	931	11.43	—	—	—	—	608-417	50	B608-417	325
45 mm	933	11.43	—	—	—	—	608-417TFL	50	B608-417TFL	325
50 mm	931	12.53	009-247	2	024-079	3	608-418	50	B608-418	300
50 mm	933	12.53	—	—	—	—	608-418TFL	50	B608-418TFL	300
55 mm	931	13.20	—	—	—	—	608-419	50	B608-419	275
60 mm	931	14.34	009-248	2	024-081	2	608-420	50	B608-420	260
65 mm	931	14.90	—	—	—	—	—	—	B608-421	250
70 mm	931	16.17	009-249	2	024-083	2	608-422	50	B608-422	225
75 mm	931	17.15	—	—	—	—	608-423	50	B608-423	225
80 mm	931	18.42	—	—	—	—	608-424	50	B608-424	200
90 mm	931	20.51	—	—	—	—	608-425	50	B608-425	175
100 mm	931	22.00	—	—	—	—	608-426	50	B608-426	175
110 mm	931	23.40	—	—	—	—	608-427	50	B608-427	150
120 mm	931	25.85	—	—	—	—	608-428	50	B608-428	150
130 mm	931	27.64	—	—	—	—	608-429	50	B608-429	125
140 mm	931	29.47	—	—	—	—	608-430	50	B608-430	125
150 mm	931	62.80	—	—	—	—	608-431	25	B608-431	125
160 mm	931	33.60	—	—	—	—	608-432	25	B608-432	120
170 mm	931	35.32	—	—	—	—	608-433	25	B608-433	110
180 mm	931	37.58	—	—	—	—	608-434	25	B608-434	100
200 mm	931	40.82	—	—	—	—	608-435	25	B608-435	90

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

— Product not available in this pack size

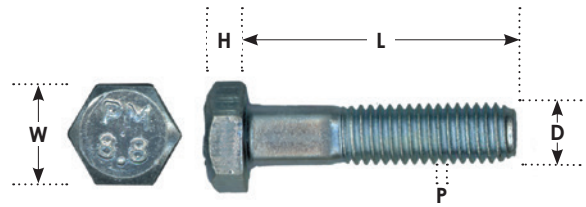
ZINC PLATED										
Diameter-Pitch: M14-2.00							Across Flats: 21 Height: 8.8			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	933	11.54	—	—	—	—	608-436	100	B608-436	350
30 mm	933	12.74	—	—	—	—	608-438	100	B608-438	325
35 mm	933	13.98	—	—	—	—	608-439	100	B608-439	275
40 mm	933	15.20	—	—	—	—	608-440	100	B608-440	275
45 mm	933	16.30	—	—	—	—	608-441	100	B608-441	250
50 mm	931	18.04	—	—	—	—	608-442	100	B608-442	230
50 mm	933	18.04	—	—	—	—	608-442TFL	100	B608-442TFL	230
55 mm	931	—	—	—	—	—	608-443	100	B608-443	225
55 mm	933	—	—	—	—	—	608-443TFL	100	B608-443TFL	225
60 mm	931	21.42	—	—	—	—	608-444	100	B608-444	200
65 mm	931	—	—	—	—	—	608-445	100	—	—
70 mm	931	23.22	—	—	—	—	608-446	100	B608-446	175
75 mm	931	24.00	—	—	—	—	608-447	100	B608-447	200
80 mm	931	25.66	—	—	—	—	608-448	100	B608-448	150
90 mm	931	28.32	—	—	—	—	608-449	100	B608-449	125
100 mm	931	31.04	—	—	—	—	608-450	100	B608-450	125
110 mm	931	33.42	—	—	—	—	608-451	100	B608-451	110
120 mm	931	35.84	—	—	—	—	608-452	100	B608-452	100

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M16-2.00**

Across Flats: **24** Height: **10**

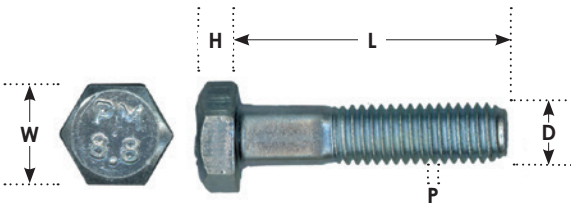
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	933	15.44	—	—	—	—	608-462	25	B608-462	400
30 mm	933	17.06	—	—	—	—	608-464	25	B608-464	225
35 mm	933	18.36	—	—	—	—	608-465	25	B608-465	200
40 mm	933	20.18	—	—	—	—	608-466	25	B608-466	200
45 mm	933	21.74	—	—	—	—	608-467	25	B608-467	175
50 mm	931	23.46	—	—	—	—	608-468	25	B608-468	165
50 mm	933	23.46	—	—	—	—	608-468TFL	25	B608-468TFL	165
55 mm	931	25.20	—	—	—	—	608-469	25	B608-469	150
60 mm	931	26.68	—	—	—	—	608-470	25	B608-470	150
65 mm	931	28.40	—	—	—	—	608-471	25	B608-471	125
70 mm	931	30.08	—	—	—	—	608-472	25	B608-472	125
75 mm	931	31.80	—	—	—	—	608-473	25	B608-473	125
80 mm	931	33.28	—	—	—	—	608-474	25	B608-474	110
90 mm	931	37.42	—	—	—	—	608-475	25	B608-475	100
100 mm	931	40.00	—	—	—	—	608-476	25	B608-476	95
110 mm	931	44.12	—	—	—	—	608-477	25	B608-477	90
120 mm	931	47.36	—	—	—	—	608-478	25	B608-478	80
130 mm	931	50.42	—	—	—	—	608-479	25	B608-479	75
140 mm	931	52.88	—	—	—	—	608-480	25	B608-480	70
150 mm	931	56.36	—	—	—	—	608-481	25	B608-481	70
160 mm	931	60.96	—	—	—	—	608-482	25	B608-482	65
180 mm	931	67.60	—	—	—	—	608-484	25	B608-484	55
200 mm	931	74.40	—	—	—	—	608-486	25	B608-486	50

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

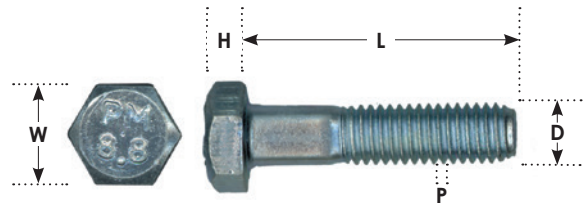
ISO Coarse Thread

— Product not available in this pack size

ZINC PLATED										
Diameter-Pitch: M18-2.50							Across Flats: 27 Height: 11.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	933	26.66	—	—	—	—	608-500	25	B608-500	200
50 mm	933	30.48	—	—	—	—	608-502	25	B608-502	180
60 mm	931	34.68	—	—	—	—	608-504	25	B608-504	145
65 mm	931	36.48	—	—	—	—	608-505	25	—	—
70 mm	931	39.24	—	—	—	—	608-506	25	B608-506	135
75 mm	931	40.11	—	—	—	—	608-507	25	B608-507	120
80 mm	931	43.56	—	—	—	—	608-508	25	B608-508	100
90 mm	931	48.00	—	—	—	—	608-509	25	B608-509	100
100 mm	931	52.06	—	—	—	—	608-510	25	B608-510	100
110 mm	931	57.87	—	—	—	—	608-511	25	B608-511	100
120 mm	931	60.80	—	—	—	—	608-512	25	B608-512	100
130 mm	931	64.32	—	—	—	—	608-513	25	B608-513	80
140 mm	931	69.10	—	—	—	—	608-514	25	B608-514	80
150 mm	931	73.18	—	—	—	—	608-515	25	B608-515	50
160 mm	931	—	—	—	—	—	608-516	25	B608-516	65
180 mm	931	8.68	—	—	—	—	608-491	25	B608-491	55
200 mm	931	9.52	—	—	—	—	608-493	25	B608-493	50

608
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M20-2.50**Across Flats: **30** Height: **12.5**

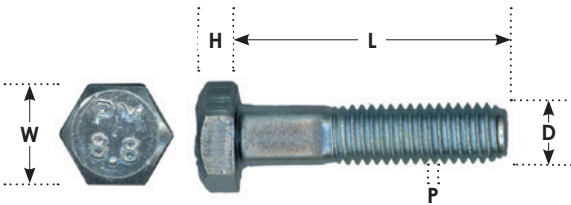
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	32.43	—	—	—	—	—	—	B608-518	130
40 mm	933	34.92	—	—	—	—	608-520	25	B608-520	110
45 mm	933	36.60	—	—	—	—	608-521	25	B608-521	100
50 mm	933	39.14	—	—	—	—	608-522	25	B608-522	100
60 mm	933	43.80	—	—	—	—	608-524	25	B608-524	90
70 mm	931	49.32	—	—	—	—	608-526	25	B608-526	80
75 mm	931	52.08	—	—	—	—	608-527	25	B608-527	75
80 mm	931	55.10	—	—	—	—	608-528	25	B608-528	70
90 mm	931	60.08	—	—	—	—	608-529	25	B608-529	65
100 mm	931	65.66	—	—	—	—	608-530	25	B608-530	60
110 mm	931	72.60	—	—	—	—	—	—	B608-531	55
120 mm	931	76.16	—	—	—	—	608-532	25	B608-532	50
130 mm	931	82.30	—	—	—	—	608-533	10	B608-533	45
140 mm	931	88.50	—	—	—	—	608-534	10	B608-534	45
150 mm	931	92.40	—	—	—	—	608-535	10	B608-535	40
160 mm	931	97.50	—	—	—	—	608-536	10	B608-536	35
170 mm	931	102.12	—	—	—	—	608-537	10	B608-537	35
180 mm	931	108.20	—	—	—	—	608-538	10	B608-538	35
200 mm	931	119.00	—	—	—	—	608-540	10	B608-540	30

608
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

— Product not available in this pack size

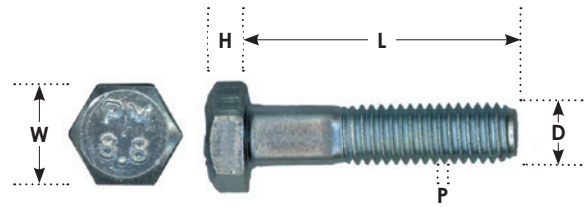
ZINC PLATED										
Diameter-Pitch: M24-3.00							Across Flats: 36 Height: 15			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	933	54.46	—	—	—	—	608-551	25	B608-551	70
50 mm	933	60.28	—	—	—	—	608-552	25	B608-552	65
60 mm	933	67.04	—	—	—	—	608-554	25	B608-554	60
70 mm	931	74.48	—	—	—	—	608-556	25	B608-556	50
80 mm	931	87.85	—	—	—	—	608-558	25	B608-558	45
90 mm	931	90.30	—	—	—	—	608-559	10	B608-559	40
100 mm	931	98.95	—	—	—	—	608-560	10	B608-560	40
110 mm	931	106.00	—	—	—	—	608-561	10	B608-561	35
120 mm	931	116.89	—	—	—	—	608-562	10	B608-562	35
130 mm	931	124.15	—	—	—	—	608-563	10	B608-563	30
140 mm	931	129.20	—	—	—	—	608-564	10	B608-564	30
150 mm	931	137.30	—	—	—	—	608-565	10	B608-565	25
160 mm	931	145.68	—	—	—	—	608-566	10	B608-566	25
170 mm	931	152.94	—	—	—	—	608-567	10	—	—
180 mm	931	160.20	—	—	—	—	608-568	10	B608-568	20
200 mm	931	175.00	—	—	—	—	608-570	10	B608-570	18

609
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M8-1.00**

Across Flats: **13** Height: **5.3**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	931	2.56	—	—	—	—	609-314	50	B609-314	1800
20 mm	931	2.73	—	—	024-120	7	609-316	50	B609-316	1500
25 mm	931	3.08	—	—	—	—	609-318	50	B609-318	1400
30 mm	931	3.42	—	—	024-122	7	609-320	50	B609-320	1150
35 mm	933	3.95	—	—	—	—	609-321TFL	50	B609-321TFL	1000
40 mm	931	4.36	—	—	024-124	6	609-322	50	B609-322	925
40 mm	933	4.36	—	—	—	—	609-322TFL	50	B609-322TFL	925
45 mm	933	4.68	—	—	—	—	609-323TFL	50	B609-323TFL	850
50 mm	931	5.32	—	—	024-126	5	609-324	50	B609-324	750
50 mm	933	5.32	—	—	—	—	609-324TFL	50	B609-324TFL	750

Diameter-Pitch: **M10-1.25**

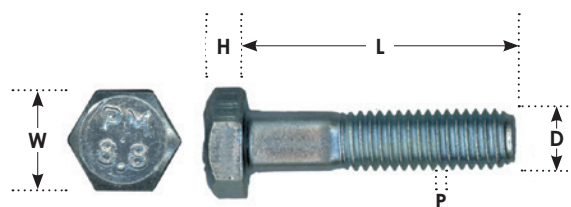
Across Flats: **16** Height: **6.4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	931	5.32	—	—	—	—	609-364	50	B609-364	950
20 mm	931	4.57	—	—	024-130	4	609-366	25	B609-366	850
25 mm	931	4.90	—	—	024-131	3	609-368	25	B609-368	750
30 mm	931	5.48	009-156	1	024-132	3	609-370	25	B609-370	700
35 mm	931	6.04	—	—	024-133	4	609-371	25	—	—
40 mm	931	6.68	009-157	1	024-134	3	609-372	25	B609-372	550
40 mm	933	6.68	—	—	—	—	609-372TFL	25	B609-372TFL	550
45 mm	931	8.06	—	—	—	—	609-373	25	B609-373	500
50 mm	931	8.66	009-158	1	024-136	3	609-374	25	B609-374	450
60 mm	931	10.02	—	—	024-138	2	609-376	25	B609-376	400
70 mm	931	11.74	—	—	—	—	609-378	25	B609-378	350
80 mm	931	13.06	—	—	—	—	609-380	25	B609-380	300
90 mm	931	13.62	—	—	—	—	609-382	25	B609-382	250
100 mm	931	15.74	—	—	—	—	609-384	25	B609-384	250

609
Series**paulin® METRIC HEX HEAD CAP SCREWS**

PART CLASS

806BU | DIN 933 = ISO 4017 Fully Threaded
 806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER**ISO Fine Thread**

 Product not available in this pack size

ZINC PLATEDDiameter-Pitch: **M12-1.50**Across Flats: **18** Height: **7.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	931	7.18	—	—	—	—	609-410	25	B609-410	600
25 mm	931	8.00	—	—	—	—	609-412	25	B609-412	650
30 mm	931	8.72	009-159	1	024-144	3	609-414	25	B609-414	450
35 mm	931	9.68	—	—	—	—	609-415	25	B609-415	500
40 mm	931	10.38	009-160	1	024-146	2	609-416	25	B609-416	370
45 mm	931	10.92	—	—	—	—	609-417	25	B609-417	325
50 mm	931	11.98	009-161	1	024-148	2	609-418	25	B609-418	300
55 mm	931	13.84	—	—	—	—	609-419	25	B609-419	275
60 mm	931	14.68	—	—	—	—	609-420	25	B609-420	260
65 mm	931	15.20	—	—	—	—	609-421	25	B609-421	250
70 mm	931	17.88	—	—	—	—	609-422	25	B609-422	225
80 mm	931	18.40	—	—	—	—	609-424	25	B609-424	200
90 mm	931	20.38	—	—	—	—	609-425	25	B609-425	250
100 mm	931	22.38	—	—	—	—	609-426	25	B609-426	175

Diameter-Pitch: **M14-1.50**Across Flats: **21** Height: **8.8**

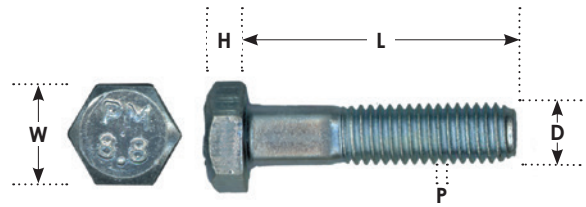
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	11.64	—	—	—	—	609-436	25	B609-436	350
30 mm	931	12.68	—	—	—	—	609-438	25	B609-438	325
35 mm	931	14.16	—	—	—	—	609-439	25	B609-439	300
40 mm	931	15.20	—	—	—	—	609-440	25	B609-440	275
45 mm	931	16.40	—	—	—	—	609-441	25	B609-441	250
50 mm	931	18.04	—	—	—	—	609-442	25	B609-442	230
55 mm	933	18.96	—	—	—	—	609-443TFL	25	B609-443TFL	250
60 mm	931	21.62	—	—	—	—	609-444	25	B609-444	200
70 mm	931	23.20	—	—	—	—	609-446	25	B609-446	175
80 mm	931	26.10	—	—	—	—	609-448	25	B609-448	150

609
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BU | DIN 933 = ISO 4017 Fully Threaded
806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (**W**) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M16-1.50**

Across Flats: **24** Height: **10**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	17.18	—	—	—	—	609-464	25	B609-464	225
40 mm	931	20.54	—	—	—	—	609-466	25	B609-466	200
50 mm	931	23.74	—	—	—	—	609-468	25	B609-468	165
60 mm	931	27.52	—	—	—	—	609-470	25	B609-470	150
70 mm	931	30.84	—	—	—	—	609-472	25	—	—
80 mm	931	34.10	—	—	—	—	609-474	25	B609-474	110
90 mm	931	37.58	—	—	—	—	609-475	25	B609-475	100
100 mm	931	39.14	—	—	—	—	609-476	25	B609-476	95
110 mm	931	42.50	—	—	—	—	609-477	25	B609-477	90

Diameter-Pitch: **M18-1.50**

Across Flats: **27** Height: **11.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	931	28.14	—	—	—	—	609-500	25	B609-500	200
50 mm	931	32.89	—	—	—	—	609-502	25	B609-502	180
60 mm	931	37.02	—	—	—	—	609-504	25	B609-504	150
70 mm	931	40.58	—	—	—	—	609-506	25	B609-506	130
80 mm	931	44.90	—	—	—	—	609-508	25	B609-508	100
90 mm	931	48.94	—	—	—	—	609-509	25	—	—

ISO Extra Fine Thread

ZINC PLATED

Diameter-Pitch: **M20-1.50**

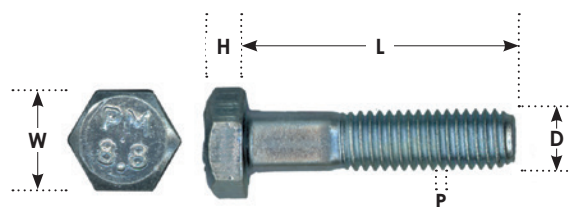
Across Flats: **30** Height: **12.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	931	35.90	—	—	—	—	609-520	10	—	—
50 mm	931	40.50	—	—	—	—	609-522	10	B609-522	100
60 mm	931	46.20	—	—	—	—	609-524	10	B609-524	90
70 mm	931	51.75	—	—	—	—	609-526	10	B609-526	80
80 mm	931	57.20	—	—	—	—	609-528	10	B609-528	70
90 mm	931	62.43	—	—	—	—	609-529	10	B609-529	65
100 mm	931	73.50	—	—	—	—	609-530	10	B609-530	60

610
Seriespaulin[®] METRIC HEX HEAD CAP SCREWS

PART CLASS

806BU | DIN 933 = ISO 4017 Fully Threaded
 806AI | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

— Product not available in this pack size

ZINC PLATED										
Diameter-Pitch: M8-1.00							Across Flats: 13 Height: 5.3			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	931	4.00	—	—	—	—	610-070	25	—	—

ISO Extra Fine Thread

ZINC PLATED										
Diameter-Pitch: M10-1.00							Across Flats: 16 Height: 6.4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	931	5.32	—	—	024-170	4	610-366	25	—	—
25 mm	931	4.00	—	—	024-171	3	610-368	25	—	—
30 mm	931	6.00	—	—	024-172	3	610-370	25	—	—
40 mm	931	7.14	—	—	024-174	3	610-372	25	—	—
50 mm	931	8.88	—	—	024-176	3	610-374	25	—	—

Diameter-Pitch: M10-1.25							Across Flats: 16 Height: 6.4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	931	4.00	—	—	—	—	610-090	25	—	—

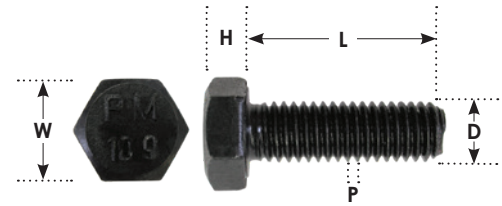
Diameter-Pitch: M12-1.25							Across Flats: 18 Height: 7.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	8.80	009-162	1	024-184	2	610-414	25	—	—
40 mm	931	10.60	009-163	1	024-186	2	610-416	25	—	—
50 mm	931	12.54	009-164	1	024-188	2	610-418	25	—	—

612
Series

paulin METRIC HEX HEAD BOLTS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



HEX HEAD BOLT is similar to a hex head cap screw but does not have a chamfered end or washer face under the bolt head. When the mechanical properties are more important than dimensional tolerances, hex bolts are used.

A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

Product not available in this pack size

BARE METAL (PLAIN)

Diameter-Pitch: **M6-1.00**

Across Flats: **10** Height: **4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	1.32	—	—	—	—	612-272	100	B612-272	3000
25 mm	933	1.53	—	—	—	—	612-274	100	B612-274	2500
30 mm	931	1.77	—	—	—	—	612-276	100	B612-276	2200
35 mm	931	2.02	—	—	—	—	612-277	100	B612-277	1900
40 mm	931	2.26	—	—	—	—	612-278	100	B612-278	1750
45 mm	931	2.53	—	—	—	—	612-279	100	B612-279	1600
50 mm	931	2.79	—	—	—	—	612-280	100	B612-280	1400
60 mm	931	3.24	—	—	—	—	612-283	100	B612-283	1000
70 mm	931	3.72	—	—	—	—	612-285	100	B612-285	900
80 mm	931	4.28	—	—	—	—	612-287	100	B612-287	800

Diameter-Pitch: **M8-1.25**

Across Flats: **13** Height: **5.3**

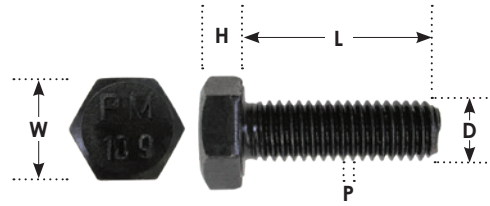
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	2.36	—	—	—	—	612-314	100	B612-314	1700
20 mm	933	2.63	—	—	—	—	612-316	100	B612-316	1500
25 mm	933	2.98	—	—	—	—	612-318	100	B612-318	1350
30 mm	933	3.32	—	—	—	—	612-320	100	B612-320	1150
35 mm	931	3.79	—	—	—	—	612-321	100	B612-321	1000
40 mm	931	4.32	—	—	—	—	612-322	100	B612-322	925
45 mm	931	4.73	—	—	—	—	612-323	100	B612-323	850
50 mm	931	5.13	—	—	—	—	612-324	100	B612-324	750
55 mm	931	5.56	—	—	—	—	612-325	100	B612-325	700
60 mm	931	6.00	—	—	—	—	612-326	100	B612-326	650
70 mm	931	6.86	—	—	—	—	612-328	100	B612-328	550

612
Series

paulin METRIC HEX HEAD BOLTS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

BARE METAL (PLAIN)

Diameter-Pitch: **M10-1.50**

Across Flats: **16** Height: **6.4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	4.41	—	—	—	—	612-364	100	B612-364	950
20 mm	933	7.03	—	—	—	—	612-366	100	B612-366	850
25 mm	933	5.41	—	—	—	—	612-368	100	B612-368	750
30 mm	933	5.98	—	—	—	—	612-370	100	B612-370	700
35 mm	933	6.49	—	—	—	—	612-371	100	B612-371	600
40 mm	931	7.24	—	—	—	—	612-372	100	B612-372	550
45 mm	931	8.15	—	—	—	—	612-373	100	B612-373	500
50 mm	931	8.62	—	—	—	—	612-374	100	B612-374	450
60 mm	931	9.92	—	—	—	—	612-376	100	B612-376	400
70 mm	931	11.22	—	—	—	—	612-378	100	B612-378	350
80 mm	931	12.69	—	—	—	—	612-380	100	B612-380	300

Diameter-Pitch: **M12-1.75**

Across Flats: **18** Height: **7.5**

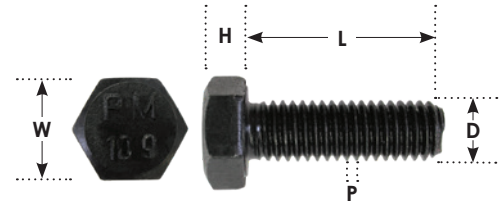
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	7.05	—	—	—	—	612-410	50	B612-410	600
25 mm	933	7.75	—	—	—	—	612-412	50	B612-412	500
30 mm	933	8.57	—	—	—	—	612-414	50	B612-414	450
35 mm	933	9.56	—	—	—	—	612-415	50	B612-415	400
40 mm	933	10.30	—	—	—	—	612-416	50	B612-416	370
45 mm	931	11.68	—	—	—	—	612-417	50	B612-417	325
50 mm	931	12.38	—	—	—	—	612-418	50	B612-418	300
55 mm	931	13.46	—	—	—	—	612-419	50	B612-419	275
60 mm	931	16.40	—	—	—	—	612-420	50	B612-420	260
65 mm	931	15.27	—	—	—	—	612-421	50	B612-421	250
70 mm	931	16.22	—	—	—	—	612-422	50	B612-422	225
80 mm	931	18.12	—	—	—	—	612-424	50	B612-424	200
90 mm	931	20.00	—	—	—	—	612-425	50	B612-425	175
100 mm	931	21.90	—	—	—	—	612-426	50	B612-426	175
120 mm	931	25.66	—	—	—	—	612-428	50	B612-428	175

612
Series

paulin METRIC HEX HEAD BOLTS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (**W**) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size

BARE METAL (PLAIN)

Diameter-Pitch: M14-2.00							Across Flats: 21 Height: 8.8			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	12.64	—	—	—	—	612-438	25	B612-438	325
35 mm	933	14.06	—	—	—	—	612-439	25	B612-439	275
40 mm	933	15.04	—	—	—	—	612-440	25	B612-440	275
45 mm	933	16.22	—	—	—	—	612-441	25	B612-441	250
50 mm	933	17.20	—	—	—	—	612-442	25	B612-442	250
60 mm	931	20.22	—	—	—	—	612-444	25	B612-444	250
70 mm	931	23.00	—	—	—	—	612-446	25	B612-446	175

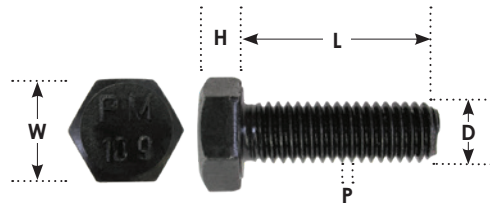
Diameter-Pitch: M16-2.00							Across Flats: 24 Height: 10			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	16.98	—	—	—	—	612-464	25	B612-464	225
35 mm	933	18.52	—	—	—	—	612-465	25	B612-465	200
40 mm	933	20.00	—	—	—	—	612-466	25	B612-466	200
45 mm	933	21.44	—	—	—	—	612-467	25	B612-467	175
50 mm	933	23.02	—	—	—	—	612-468	25	B612-468	165
60 mm	933	25.98	—	—	—	—	612-469	25	B612-469	150
70 mm	931	30.10	—	—	—	—	612-472	25	B612-472	125
75 mm	931	31.84	—	—	—	—	612-473	25	B612-473	125
80 mm	931	33.66	—	—	—	—	612-474	25	B612-474	110
90 mm	931	37.06	—	—	—	—	612-475	25	B612-475	100
100 mm	931	40.46	—	—	—	—	612-476	25	B612-476	95
120 mm	931	50.68	—	—	—	—	612-478	25	B612-478	95

612
Series

hpaulin METRIC HEX HEAD BOLTS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

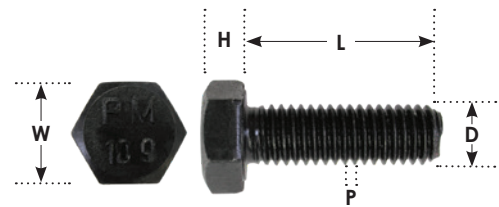
BARE METAL (PLAIN)											
Diameter-Pitch: M20-2.50							Across Flats: 30 Height: 12.5				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
30 mm	933	32.18	—	—	—	—	612-518	25	B612-518	130	
35 mm	933	33.49	—	—	—	—	612-519	25	B612-519	125	
40 mm	933	34.36	—	—	—	—	612-520	25	B612-520	110	
45 mm	933	38.11	—	—	—	—	612-521	25	B612-521	100	
50 mm	933	39.02	—	—	—	—	612-522	25	B612-522	100	
60 mm	933	43.50	—	—	—	—	612-524	25	B612-524	90	
70 mm	931	49.92	—	—	—	—	612-526	25	B612-526	80	
80 mm	931	55.14	—	—	—	—	612-528	25	B612-528	70	
90 mm	931	59.68	—	—	—	—	612-529	25	B612-529	65	
100 mm	931	66.00	—	—	—	—	612-530	25	B612-530	60	
110 mm	931	71.16	—	—	—	—	612-531	25	B612-531	55	
120 mm	931	77.45	—	—	—	—	612-532	10	B612-532	50	
130 mm	931	82.05	—	—	—	—	612-533	10	B612-533	45	
140 mm	931	87.55	—	—	—	—	612-534	10	B612-534	45	
150 mm	931	92.80	—	—	—	—	612-535	10	B612-535	40	
160 mm	931	98.70	—	—	—	—	612-536	10	B612-536	35	

612
Series

paulin METRIC HEX HEAD BOLTS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

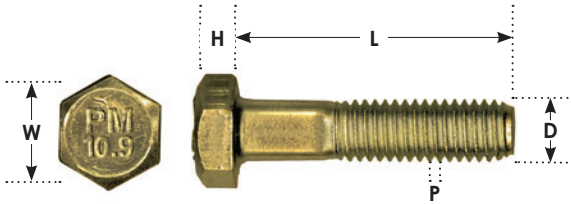
Diameter-Pitch: M24-3.00							Across Flats: 36 Height: 15			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	933	60.60	—	—	—	—	612-552	25	B612-552	65
60 mm	933	67.56	—	—	—	—	612-554	25	B612-554	60
70 mm	933	74.02	—	—	—	—	612-556	25	B612-556	50
80 mm	933	80.30	—	—	—	—	612-558	25	B612-558	45
90 mm	931	90.55	—	—	—	—	612-559	10	B612-559	40
100 mm	931	99.20	—	—	—	—	612-560	10	B612-560	40
110 mm	931	106.65	—	—	—	—	612-561	10	B612-561	35
120 mm	931	114.40	—	—	—	—	612-562	10	B612-562	35
130 mm	931	122.10	—	—	—	—	612-563	10	B612-563	30
140 mm	931	128.70	—	—	—	—	612-564	10	B612-564	30
150 mm	931	136.65	—	—	—	—	612-565	10	B612-565	25
160 mm	931	145.10	—	—	—	—	612-566	10	B612-566	25
170 mm	931	151.80	—	—	—	—	612-567	10	B612-567	25
180 mm	931	160.55	—	—	—	—	612-568	10	B612-568	25
200 mm	931	175.40	—	—	—	—	612-570	10	B612-570	25

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M4-.70**

Across Flats: **7** Height: **2.8**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	—	—	—	—	—	613-139	100	—	—
20 mm	933	—	—	—	—	—	613-141	100	—	—
25 mm	933	—	—	—	—	—	613-143	100	—	—

Diameter-Pitch: **M5-.80**

Across Flats: **8** Height: **3.5**

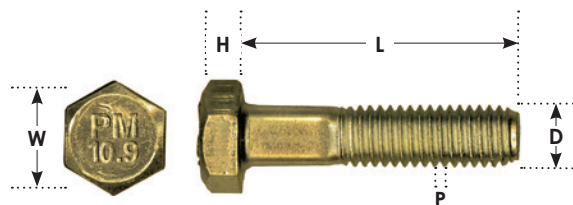
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.63	—	—	—	—	613-198	100	—	—
16 mm	933	0.75	—	—	—	—	613-201	100	—	—
20 mm	933	0.84	—	—	—	—	613-203	100	—	—
25 mm	933	0.97	—	—	—	—	613-205	100	—	—

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (**W**) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M6-1.00**

Across Flats: **10** Height: **4**

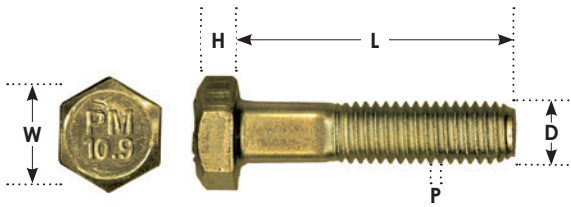
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	931	0.92	—	—	—	—	613-266	100	B613-266	3300
12 mm	933	1.02	—	—	—	—	613-267	100	—	—
14 mm	931	1.08	—	—	—	—	613-268	100	B613-268	3000
16 mm	933	1.17	—	—	—	—	613-270	100	B613-270	3000
20 mm	933	1.32	009-001	9	—	—	613-272	100	B613-272	2500
25 mm	933	1.53	009-002	8	—	—	613-274	100	B613-274	2200
30 mm	931	1.80	009-003	7	—	—	613-276	100	—	—
30 mm	933	1.80	—	—	—	—	613-276TFL	100	B613-276TFL	1900
35 mm	931	2.02	009-004	6	—	—	613-277	100	—	—
35 mm	933	2.02	—	—	—	—	613-277TFL	100	B613-277TFL	1600
40 mm	931	2.25	009-005	5	—	—	613-278	100	—	—
40 mm	933	2.25	—	—	—	—	613-278TFL	100	B613-278TFL	1400
45 mm	931	2.55	—	—	—	—	613-279	100	—	—
50 mm	931	2.70	—	—	—	—	613-280	100	B613-280	1200
55 mm	931	2.97	—	—	—	—	613-281	100	B613-281	1000
60 mm	931	3.23	—	—	—	—	613-283	100	B613-283	900
65 mm	931	—	—	—	—	—	613-284	100	B613-284	750
70 mm	931	3.82	—	—	—	—	613-285	100	—	—
75 mm	931	—	—	—	—	—	613-286	100	B613-286	750
80 mm	931	4.29	—	—	—	—	613-287	100	—	—
90 mm	931	4.53	—	—	—	—	613-289	100	B613-289	550
100 mm	933	4.92	—	—	—	—	613-291	100	B613-291	450

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M8-1.25**

Across Flats: **13** Height: **5.3**

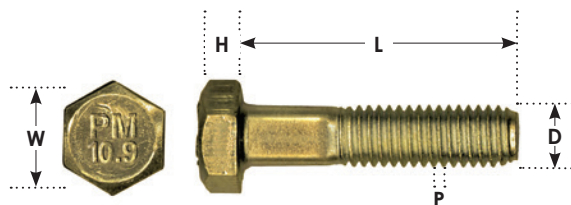
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	2.09	—	—	—	—	613-311	100	—	—
16 mm	933	2.42	—	—	—	—	613-314	100	—	—
20 mm	933	2.68	009-006	5	—	—	613-316	100	B613-316	1500
25 mm	933	3.00	009-007	4	—	—	613-318	100	B613-318	1400
30 mm	933	3.35	009-008	4	—	—	613-320	100	B613-320	1100
35 mm	931	3.68	009-009	3	—	—	613-321	100	—	—
35 mm	933	3.68	—	—	—	—	613-321TFL	100	B613-321TFL	1000
40 mm	931	4.33	009-010	3	—	—	613-322	100	—	—
40 mm	933	4.33	—	—	—	—	613-322TFL	100	B613-322TFL	850
45 mm	931	4.75	009-011	3	—	—	613-323	100	—	—
50 mm	931	5.07	009-012	3	—	—	613-324	100	—	—
50 mm	933	5.07	—	—	—	—	613-324TFL	100	B613-324TFL	800
55 mm	931	5.62	—	—	—	—	613-325	100	B613-325	700
60 mm	931	6.03	—	—	—	—	613-326	100	B613-326	600
60 mm	933	6.03	—	—	—	—	613-326TFL	100	B613-326TFL	600
65 mm	931	6.37	—	—	—	—	613-327	100	B613-327	550
70 mm	931	6.80	—	—	—	—	613-328	100	—	—
70 mm	933	6.80	—	—	—	—	613-328TFL	100	B613-328TFL	550
75 mm	931	7.21	—	—	—	—	613-329	100	B613-329	550
80 mm	931	7.71	—	—	—	—	613-330	100	—	—
90 mm	931	8.37	—	—	—	—	613-331	100	B613-331	450
100 mm	931	9.22	—	—	—	—	613-332	100	B613-332	400
110 mm	931	10.19	—	—	—	—	613-333	100	B613-333	300
120 mm	931	11.10	—	—	—	—	613-334	100	B613-334	300
130 mm	931	11.74	—	—	—	—	613-335	100	B613-335	250
140 mm	931	12.59	—	—	—	—	613-338	100	B613-338	250
150 mm	931	13.52	—	—	—	—	613-339	100	B613-339	250
160 mm	931	—	—	—	—	—	613-340	100	B613-340	250
180 mm	931	16.23	—	—	—	—	613-342	100	B613-342	150
200 mm	931	17.96	—	—	—	—	613-344	100	B613-344	150

613
Series

paulin® METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

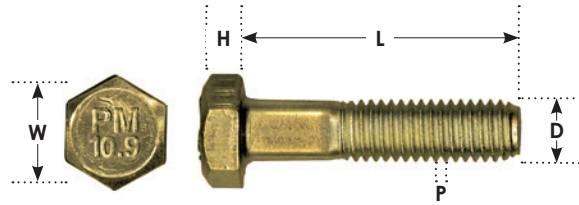
YELLOW ZINC PLATED										
Diameter-Pitch: M10-1.50							Across Flats: 16 Height: 6.4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	4.42	—	—	—	—	613-364	100	B613-364	1200
20 mm	933	4.80	009-013	3	—	—	613-366	100	B613-366	1000
25 mm	933	5.30	009-014	3	—	—	613-368	100	B613-368	900
30 mm	933	6.00	009-015	3	—	—	613-370	100	B613-370	800
35 mm	933	6.40	009-016	3	—	—	613-371	100	B613-371	675
40 mm	931	7.27	009-017	2	—	—	613-372	100	—	—
40 mm	933	7.27	—	—	—	—	613-372TFL	100	B613-372TFL	600
45 mm	931	8.04	—	—	—	—	613-373	100	—	—
45 mm	933	8.04	—	—	—	—	613-373TFL	100	B613-373TFL	600
50 mm	931	8.55	009-018	2	—	—	613-374	100	B613-374	450
50 mm	933	8.55	—	—	—	—	613-374TFL	100	B613-374TFL	450
55 mm	931	9.23	—	—	—	—	613-375	100	B613-375	450
60 mm	931	9.90	009-019	2	—	—	613-376	100	B613-376	400
60 mm	933	9.90	—	—	—	—	613-376TFL	100	B613-376TFL	400
65 mm	931	10.53	—	—	—	—	613-377	100	B613-377	400
70 mm	931	11.20	009-020	2	—	—	613-378	100	B613-378	400
70 mm	933	11.20	—	—	—	—	613-378TFL	100	B613-378TFL	400
75 mm	931	11.83	—	—	—	—	613-379	100	B613-379	400
80 mm	931	12.53	—	—	—	—	613-380	100	B613-380	325
80 mm	931	12.53	—	—	—	—	613-380TFL	100	B613-380TFL	300
90 mm	931	14.20	—	—	—	—	613-381	50	B613-381	300
90 mm	933	14.20	—	—	—	—	613-381TFL	50	B613-381TFL	300
100 mm	931	15.43	—	—	—	—	613-382	50	—	—
110 mm	931	16.79	—	—	—	—	613-383	50	B613-383	225
120 mm	931	18.34	—	—	—	—	613-384	25	B613-384	225
130 mm	931	19.56	—	—	—	—	613-385	25	B613-385	225
140 mm	931	—	—	—	—	—	613-386	25	B613-386	175
150 mm	931	22.20	—	—	—	—	613-387	25	B613-387	175
160 mm	931	23.60	—	—	—	—	613-388	25	B613-388	175
180 mm	931	—	—	—	—	—	613-390	10	B613-390	150
200 mm	931	29.95	—	—	—	—	613-392	10	B613-392	150

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

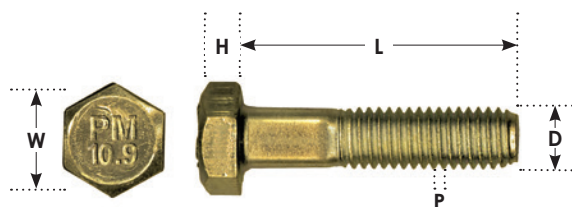
ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED										
Diameter-Pitch: M12-1.75							Across Flats: 18 Height: 7.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	931	7.00	—	—	—	—	613-410	50	B613-410	700
25 mm	933	7.78	—	—	—	—	613-412	50	—	—
30 mm	933	8.49	009-021	2	—	—	613-414	50	—	—
35 mm	933	9.45	009-022	2	—	—	613-415	50	B613-415	500
40 mm	933	10.25	009-023	2	—	—	613-416	50	B613-416	450
45 mm	931	11.49	—	—	—	—	613-417	50	—	—
45 mm	933	11.49	—	—	—	—	613-417TFL	50	B613-417TFL	450
50 mm	931	12.20	009-024	2	—	—	613-418	50	B613-418	400
50 mm	933	12.20	—	—	—	—	613-418TFL	50	B613-418TFL	400
55 mm	931	13.29	—	—	—	—	613-419	50	B613-419	350
60 mm	931	14.28	009-025	2	—	—	613-420	50	—	—
60 mm	933	14.28	—	—	—	—	613-420TFL	50	B613-420TFL	300
65 mm	931	15.20	—	—	—	—	613-421	50	B613-421	300
70 mm	931	16.14	009-026	2	—	—	613-422	50	—	—
75 mm	931	17.27	—	—	—	—	613-423	50	B613-423	300
80 mm	931	18.52	—	—	—	—	613-424	50	—	—
90 mm	931	20.12	—	—	—	—	613-425	50	—	—
100 mm	931	22.04	—	—	—	—	613-426	50	—	—
110 mm	931	23.91	—	—	—	—	613-427	50	—	—
120 mm	931	25.77	—	—	—	—	613-428	50	—	—
140 mm	931	28.59	—	—	—	—	613-430	50	—	—
150 mm	931	15.84	—	—	—	—	613-431	50	—	—
160 mm	931	33.40	—	—	—	—	613-432	25	—	—
170 mm	931	35.18	—	—	—	—	613-433	25	—	—
180 mm	931	37.44	—	—	—	—	613-434	25	—	—

613
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M14-2.00**Across Flats: **21** Height: **8.8**

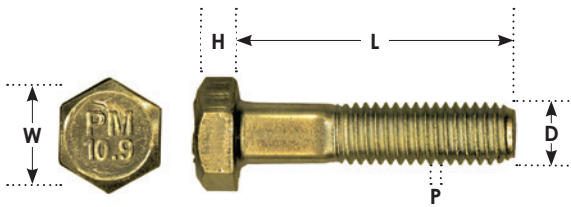
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	933	11.50	—	—	—	—	613-436	25	—	—
30 mm	933	12.74	—	—	—	—	613-438	25	—	—
35 mm	931	13.60	—	—	—	—	613-439	25	B613-439	300
40 mm	933	15.16	—	—	—	—	613-440	25	—	—
45 mm	931	16.10	—	—	—	—	613-441	25	B613-441	275
50 mm	931	17.30	—	—	—	—	613-442	25	—	—
50 mm	933	17.30	—	—	—	—	613-442TFL	25	B613-442TFL	250
55 mm	931	18.98	—	—	—	—	613-443	25	B613-443	225
60 mm	931	20.44	—	—	—	—	613-444	25	—	—
65 mm	931	21.64	—	—	—	—	613-445	25	B613-445	200
70 mm	931	23.12	—	—	—	—	613-446	25	—	—
75 mm	931	24.34	—	—	—	—	613-447	25	B613-447	200
80 mm	931	25.32	—	—	—	—	613-448	25	—	—
90 mm	931	26.74	—	—	—	—	613-449	25	—	—
100 mm	931	30.84	—	—	—	—	613-450	25	—	—
110 mm	931	33.30	—	—	—	—	613-451	25	—	—
120 mm	931	35.92	—	—	—	—	613-452	25	—	—

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

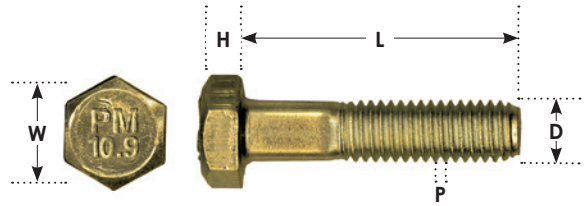
ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED											
Diameter-Pitch: M16-2.00							Across Flats: 24 Height: 10				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
25 mm	933	15.70	—	—	—	—	613-462	25	—	—	
30 mm	933	16.80	—	—	—	—	613-464	25	—	—	
35 mm	933	18.48	—	—	—	—	613-465	25	—	—	
40 mm	933	20.20	—	—	—	—	613-466	25	—	—	
45 mm	933	21.60	—	—	—	—	613-467	25	B613-467	175	
50 mm	933	22.80	—	—	—	—	613-468	25	B613-468	175	
55 mm	931	25.12	—	—	—	—	613-469	25	B613-469	150	
60 mm	931	27.92	—	—	—	—	613-470	25	—	—	
65 mm	931	27.86	—	—	—	—	613-471	25	B613-471	125	
70 mm	931	30.26	—	—	—	—	613-472	25	—	—	
75 mm	931	31.26	—	—	—	—	613-473	25	B613-473	125	
80 mm	931	32.84	—	—	—	—	613-474	25	—	—	
90 mm	931	37.00	—	—	—	—	613-475	25	—	—	
100 mm	931	40.58	—	—	—	—	613-476	25	—	—	
110 mm	931	43.86	—	—	—	—	613-477	25	—	—	
120 mm	931	47.28	—	—	—	—	613-478	25	—	—	
130 mm	931	50.42	—	—	—	—	613-479	25	—	—	
140 mm	931	54.06	—	—	—	—	613-480	25	—	—	
150 mm	931	56.52	—	—	—	—	613-481	25	—	—	
160 mm	931	60.86	—	—	—	—	613-482	25	—	—	
180 mm	931	66.98	—	—	—	—	613-484	25	B613-484	55	
200 mm	931	69.77	—	—	—	—	613-486	25	B613-486	50	

613
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread



Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M18-2.50**Across Flats: **27** Height: **11.5**

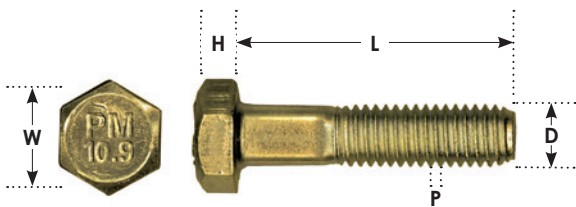
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	23.30	—	—	—	—	613-498	25	B613-498	225
35 mm	931	25.26	—	—	—	—	613-499	25	B613-499	200
40 mm	933	26.58	—	—	—	—	613-500	25	—	—
45 mm	931	28.40	—	—	—	—	613-501	25	B613-501	175
50 mm	933	32.98	—	—	—	—	613-502	25	—	—
55 mm	933	32.04	—	—	—	—	613-503TFL	25	B613-503TFL	150
60 mm	931	34.40	—	—	—	—	613-504	25	—	—
65 mm	931	36.98	—	—	—	—	613-505	25	B613-505	125
70 mm	931	39.18	—	—	—	—	613-506	25	—	—
80 mm	931	43.20	—	—	—	—	613-508	25	—	—
90 mm	931	47.70	—	—	—	—	613-509	25	—	—
100 mm	931	51.96	—	—	—	—	613-510	25	—	—
110 mm	931	56.16	—	—	—	—	613-511	25	—	—
120 mm	931	60.86	—	—	—	—	613-512	25	—	—
130 mm	931	64.10	—	—	—	—	613-513	25	—	—
140 mm	931	68.82	—	—	—	—	613-514	25	—	—
150 mm	931	73.54	—	—	—	—	613-515	25	—	—
160 mm	931	77.76	—	—	—	—	613-516	25	B613-516	65
180 mm	931	83.02	—	—	—	—	613-491	25	B613-491	55
200 mm	931	94.64	—	—	—	—	613-493	25	B613-493	50

613
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

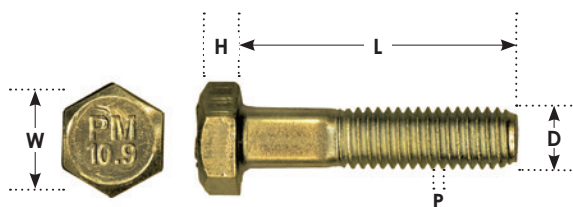
ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED											
Diameter-Pitch: M20-2.50							Across Flats: 30 Height: 12.5				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
40 mm	933	34.72	—	—	—	—	613-520	25	—	—	
45 mm	933	36.40	—	—	—	—	613-521	25	B613-521	120	
50 mm	931	39.32	—	—	—	—	613-522	25	—	—	
55 mm	931	41.14	—	—	—	—	613-523	25	B613-523	100	
60 mm	933	43.62	—	—	—	—	613-524	25	—	—	
65 mm	931	46.72	—	—	—	—	613-525	25	B613-525	85	
70 mm	931	48.22	—	—	—	—	613-526	25	—	—	
75 mm	931	52.38	—	—	—	—	613-527	25	B613-527	85	
80 mm	931	54.40	—	—	—	—	613-528	25	—	—	
90 mm	931	60.00	—	—	—	—	613-529	25	—	—	
100 mm	931	65.60	—	—	—	—	613-530	25	—	—	
110 mm	931	71.52	—	—	—	—	613-531	25	—	—	
120 mm	931	76.60	—	—	—	—	613-532	25	—	—	
130 mm	931	82.45	—	—	—	—	613-533	10	—	—	
140 mm	931	87.75	—	—	—	—	613-534	10	—	—	
150 mm	931	93.45	—	—	—	—	613-535	10	—	—	
160 mm	931	97.70	—	—	—	—	613-536	10	—	—	
170 mm	931	104.65	—	—	—	—	613-537	10	—	—	
180 mm	931	86.40	—	—	—	—	613-538	10	—	—	
200 mm	931	120.20	—	—	—	—	613-540	10	—	—	

613
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806BV | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: **M24-3.00**Across Flats: **36** Height: **15**

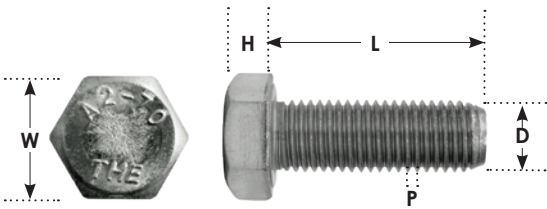
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	931	53.46	—	—	—	—	613-550	25	B613-550	55
45 mm	931	56.90	—	—	—	—	613-551	25	B613-551	55
50 mm	933	60.48	—	—	—	—	613-552	25	—	—
55 mm	931	62.98	—	—	—	—	613-553	25	B613-553	50
60 mm	933	66.88	—	—	—	—	613-554	25	—	—
70 mm	933	73.92	—	—	—	—	613-556	25	—	—
80 mm	931	83.32	—	—	—	—	613-558	25	—	—
90 mm	931	91.65	—	—	—	—	613-559	10	—	—
100 mm	931	98.45	—	—	—	—	613-560	10	—	—
110 mm	931	107.00	—	—	—	—	613-561	10	—	—
120 mm	931	114.55	—	—	—	—	613-562	10	—	—
130 mm	931	133.95	—	—	—	—	613-563	10	—	—
140 mm	931	128.25	—	—	—	—	613-564	10	—	—
150 mm	931	137.35	—	—	—	—	613-565	10	—	—
160 mm	931	145.75	—	—	—	—	613-566	10	—	—
180 mm	931	160.20	—	—	—	—	613-568	10	—	—
200 mm	931	174.80	—	—	—	—	613-570	10	B613-570	18

5900
Series

naulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AO | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



STAINLESS STEEL is used in various industrial, commercial, automotive parts, products and applications. Stainless is known for its superior corrosion resistance. Used in all exterior or interior applications. Non Magnetic.

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

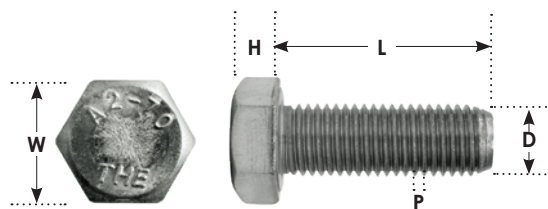
 Product not available in this pack size

18.8 STAINLESS STEEL										
Diameter-Pitch: M6-1.00							Across Flats: 10 Height: 4			
Length	DIN		Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.99	—	—	—	—	5900-305	50	—	—
16 mm	933	1.20	—	—	—	—	5900-306	50	—	—
20 mm	933	1.23	—	—	—	—	5900-307	50	B5900-307	4000
25 mm	933	1.53	—	—	—	—	5900-309	50	—	—
30 mm	933	1.89	—	—	—	—	5900-310	50	—	—
35 mm	933	1.93	—	—	—	—	5900-311	50	—	—
40 mm	933	2.10	—	—	—	—	5900-312	50	—	—
45 mm	933	2.24	—	—	—	—	5900-315	25	—	—
50 mm	933	2.50	—	—	—	—	5900-316	25	—	—
60 mm	933	3.28	—	—	—	—	5900-317	25	—	—

Diameter-Pitch: M8-1.25							Across Flats: 13 Height: 5.3			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	2.00	—	—	—	—	5900-405	50	—	—
16 mm	933	2.40	—	—	—	—	5900-406	50	B5900-406	2200
20 mm	933	2.60	—	—	—	—	5900-407	50	—	—
25 mm	933	2.97	—	—	—	—	5900-409	50	B5900-409	1700
30 mm	933	3.35	—	—	—	—	5900-410	50	—	—
35 mm	933	3.67	—	—	—	—	5900-411	50	B5900-411	1400
40 mm	933	4.04	—	—	—	—	5900-412	50	—	—
45 mm	933	4.38	—	—	—	—	5900-415	25	—	—
50 mm	933	4.74	—	—	—	—	5900-416	25	—	—
60 mm	933	5.97	—	—	—	—	5900-417	15	—	—
70 mm	933	6.67	—	—	—	—	5900-419	15	—	—
80 mm	933	6.93	—	—	—	—	5900-420	15	—	—

5900
Series**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS

806AO | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

18.8 STAINLESS STEEL

Diameter-Pitch: M10-1.50							Across Flats: 17 Height: 6.4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	4.80	—	—	—	—	5900-507	50	—	—
25 mm	933	5.36	—	—	—	—	5900-509	50	B5900-509	1000
30 mm	933	6.02	—	—	—	—	5900-510	50	—	—
35 mm	933	6.63	—	—	—	—	5900-511	50	—	—
40 mm	933	7.01	—	—	—	—	5900-512	50	—	—
45 mm	933	7.54	—	—	—	—	5900-515	25	—	—
50 mm	933	8.12	—	—	—	—	5900-516	25	—	—
60 mm	933	9.40	—	—	—	—	5900-517	10	—	—
70 mm	933	10.35	—	—	—	—	5900-519	10	—	—
80 mm	933	11.65	—	—	—	—	5900-520	10	—	—
90 mm	933	12.80	—	—	—	—	5900-522	10	—	—
100 mm	933	13.90	—	—	—	—	5900-524	10	—	—

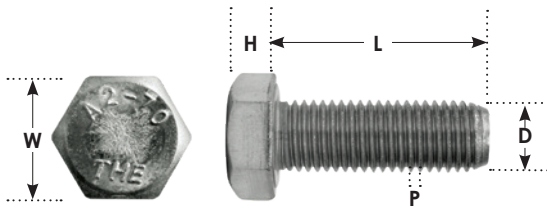
Diameter-Pitch: M12-1.75							Across Flats: 19 Height: 7.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	8.16	—	—	—	—	5900-609	25	B5900-609	700
30 mm	931	8.64	—	—	—	—	5900-610	25	—	—
35 mm	931	9.20	—	—	—	—	5900-611	25	—	—
40 mm	931	10.26	—	—	—	—	5900-612	25	—	—
45 mm	931	11.07	—	—	—	—	5900-615	15	—	—
50 mm	931	11.80	—	—	—	—	5900-616	15	—	—
60 mm	933	13.60	—	—	—	—	5900-617	10	—	—
70 mm	931	16.30	—	—	—	—	5900-619	10	—	—
80 mm	931	16.85	—	—	—	—	5900-620	10	—	—
90 mm	931	20.00	—	—	—	—	5900-622	5	—	—
100 mm	931	20.20	—	—	—	—	5900-624	5	—	—

5900
Series

paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AO | DIN 933 = ISO 4017 Fully Threaded
806AJ | DIN 931 = ISO 4014 Partially Threaded



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

— Product not available in this pack size

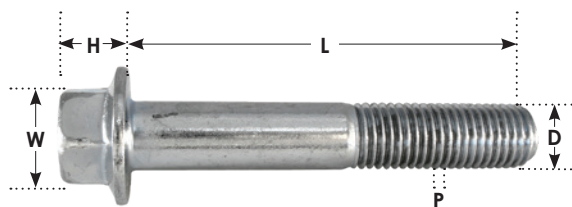
18.8 STAINLESS STEEL											
Diameter-Pitch: M16-2.00							Across Flats: 24 Height: 10				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
25 mm	933	15.40	—	—	—	—	5900-709	5	—	—	
30 mm	933	17.10	—	—	—	—	5900-710	5	—	—	
35 mm	933	18.60	—	—	—	—	5900-711	5	—	—	
40 mm	933	20.00	—	—	—	—	5900-712	5	—	—	
45 mm	933	20.00	—	—	—	—	5900-715	5	—	—	
50 mm	933	23.20	—	—	—	—	5900-716	5	—	—	
60 mm	933	20.00	—	—	—	—	5900-717	5	—	—	
70 mm	933	29.00	—	—	—	—	5900-719	5	—	—	
80 mm	933	20.00	—	—	—	—	5900-720	5	—	—	
90 mm	933	20.00	—	—	—	—	5900-722	5	—	—	
100 mm	933	20.00	—	—	—	—	5900-724	5	—	—	

Diameter-Pitch: M20-2.50							Across Flats: 30 Height: 12.5				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
50 mm	933	39.60	—	—	—	—	5900-816	5	—	—	
70 mm	933	20.00	—	—	—	—	5900-819	5	—	—	

611
Series

paulin METRIC FLANGE BOLTS

PART CLASS #
806BT | JIS B1189



FLANGE BOLTS feature a broad surface under the head which acts like a washer. These Japanese Industrial Standard (JIS) screws are fasteners used in automobile and industrial manufacturing.

A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

Coarse Thread

 Product not available in this pack size

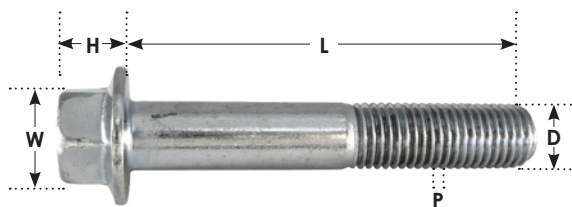
ZINC PLATED										
Diameter-Pitch: M6-1.00							Across Flats: 10 Height: 6			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	JIS B1189	1.40	009-113	4	024-802	8	611-267	20	—	—
16 mm	JIS B1189	1.55	009-114	4	024-803	8	611-270	20	—	—
20 mm	JIS B1189	1.68	009-115	4	024-804	7	611-272	20	—	—
25 mm	JIS B1189	2.00	—	—	024-805	6	611-274	20	—	—
30 mm	JIS B1189	2.28	009-116	4	024-806	6	611-276	20	—	—
35 mm	JIS B1189	2.48	—	—	024-807	5	611-277	20	—	—
40 mm	JIS B1189	2.50	009-117	4	024-808	5	611-278	20	—	—
45 mm	JIS B1189	2.65	—	—	024-809	4	611-279	20	—	—

Diameter-Pitch: M8-1.25							Across Flats: 12 Height: 8			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	JIS B1189	2.43	—	—	024-812	5	611-311	20	—	—
16 mm	JIS B1189	2.90	009-118	3	024-813	4	611-314	20	—	—
20 mm	JIS B1189	3.08	009-119	3	024-814	4	611-316	20	—	—
25 mm	JIS B1189	3.38	—	—	024-815	4	611-318	20	—	—
30 mm	JIS B1189	4.18	009-120	2	024-816	3	611-320	20	—	—
35 mm	JIS B1189	4.38	—	—	024-817	3	611-321	20	—	—
40 mm	JIS B1189	4.75	009-121	2	024-819	3	611-322	20	—	—
45 mm	JIS B1189	5.40	—	—	024-820	3	611-323	20	—	—
50 mm	JIS B1189	5.60	—	—	024-821	3	611-324	15	—	—
60 mm	JIS B1189	6.07	—	—	024-823	3	611-326	15	—	—
70 mm	JIS B1189	6.70	—	—	024-825	2	611-328	15	—	—
80 mm	JIS B1189	8.63	—	—	—	—	611-330	20	—	—
100 mm	JIS B1189	10.80	—	—	—	—	611-332	20	—	—
120 mm	JIS B1189	12.10	—	—	—	—	611-334	20	—	—

611
Series

paulin METRIC FLANGE BOLTS

PART CLASS #
806BT | JIS B1189



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

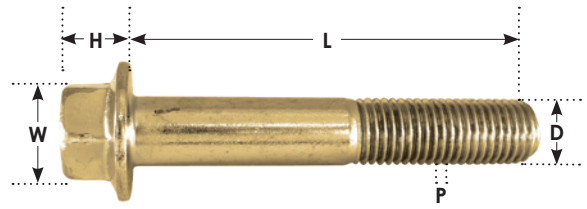
Fine Thread

 Product not available in this pack size

ZINC PLATED										
Diameter-Pitch: M10-1.25							Across Flats: 14 Height: 10			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	JIS B1189	4.83	009-122	2	024-830	3	611-364	15	—	—
20 mm	JIS B1189	5.57	009-123	2	024-831	3	611-366	15	—	—
25 mm	JIS B1189	6.07	—	—	024-832	2	611-368	15	—	—
30 mm	JIS B1189	6.77	009-124	2	024-833	2	611-370	15	—	—
35 mm	JIS B1189	7.33	—	—	024-834	2	611-371	15	—	—
40 mm	JIS B1189	8.07	009-125	2	024-835	2	611-372	15	—	—
45 mm	JIS B1189	7.97	—	—	024-836	2	611-373	15	—	—
50 mm	JIS B1189	9.33	—	—	024-837	2	611-374	15	—	—
60 mm	JIS B1189	9.33	—	—	024-839	2	611-376	15	—	—
70 mm	JIS B1189	11.05	—	—	024-841	2	611-378	10	—	—
80 mm	JIS B1189	24.35	—	—	—	—	611-380	10	—	—

Coarse Thread

ZINC PLATED										
Diameter-Pitch: M12-1.75							Across Flats: 17 Height: 11.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	JIS B1189	9.35	—	—	—	—	611-412	10	—	—
30 mm	JIS B1189	10.30	—	—	—	—	611-414	10	—	—
35 mm	JIS B1189	11.10	—	—	—	—	611-415	10	—	—
40 mm	JIS B1189	12.90	—	—	—	—	611-416	10	—	—
50 mm	JIS B1189	13.55	—	—	—	—	611-418	10	—	—
60 mm	JIS B1189	15.40	—	—	—	—	611-420	10	—	—
80 mm	JIS B1189	16.90	—	—	—	—	611-424	5	—	—

615
Series**paulin® METRIC FLANGE BOLTS**PART CLASS #
806BT | JIS B1189

A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATEDDiameter-Pitch: **M5-.80**Across Flats: **8** Height: **5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	JIS B1189	0.94	—	—	—	—	615-205	40	—	—
16 mm	JIS B1189	1.03	—	—	—	—	615-207	40	—	—

Diameter-Pitch: **M6-1.00**Across Flats: **10** Height: **6**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	JIS B1189	1.40	—	—	—	—	615-253	20	—	—
16 mm	JIS B1189	1.53	—	—	—	—	615-255	20	—	—
20 mm	JIS B1189	1.70	—	—	—	—	615-257	20	—	—
25 mm	JIS B1189	1.88	—	—	—	—	615-260	20	—	—
40 mm	JIS B1189	2.53	—	—	—	—	615-266	20	—	—

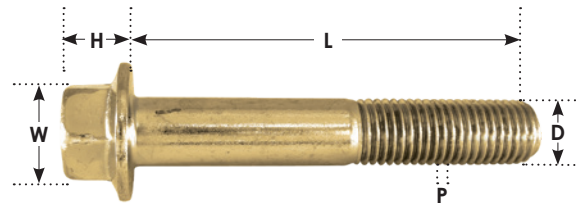
Diameter-Pitch: **M8-1.25**Across Flats: **12** Height: **8**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	JIS B1189	2.50	—	—	—	—	615-303	20	—	—
16 mm	JIS B1189	2.75	—	—	—	—	615-305	20	—	—
20 mm	JIS B1189	3.15	—	—	—	—	615-307	20	—	—
25 mm	JIS B1189	3.48	—	—	—	—	615-310	20	—	—
30 mm	JIS B1189	3.85	—	—	—	—	615-312	20	—	—
35 mm	JIS B1189	4.20	—	—	—	—	615-314	20	—	—
40 mm	JIS B1189	4.50	—	—	—	—	615-316	20	—	—

615
Series

paulin METRIC FLANGE BOLTS

PART CLASS #
806BT | JIS B1189



A/F = Across Flats (W) W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

 Product not available in this pack size

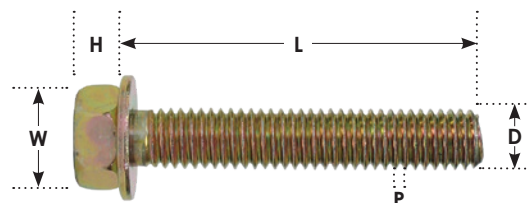
YELLOW ZINC PLATED										
Diameter-Pitch: M10-1.25							Across Flats: 14 Height: 10			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	JIS B1189	5.30	—	—	—	—	615-357	15	—	—
30 mm	JIS B1189	6.47	—	—	—	—	615-362	15	—	—
35 mm	JIS B1189	7.00	—	—	—	—	615-364	15	—	—
40 mm	JIS B1189	7.67	—	—	—	—	615-366	15	—	—
50 mm	JIS B1189	8.53	—	—	—	—	615-370	15	—	—
60 mm	JIS B1189	10.03	—	—	—	—	615-374	15	—	—
70 mm	JIS B1189	11.30	—	—	—	—	615-378	10	—	—
80 mm	JIS B1189	12.45	—	—	—	—	615-382	10	—	—

ISO Extra Fine Thread

YELLOW ZINC PLATED										
Diameter-Pitch: M12-1.25							Across Flats: 17 Height: 12			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	JIS B1189	9.70	—	—	—	—	615-410	10	—	—
30 mm	JIS B1189	10.45	—	—	—	—	615-412	10	—	—
35 mm	JIS B1189	11.45	—	—	—	—	615-414	10	—	—
40 mm	JIS B1189	12.20	—	—	—	—	615-416	10	—	—
50 mm	JIS B1189	14.05	—	—	—	—	615-420	10	—	—
60 mm	JIS B1189	15.50	—	—	—	—	615-424	10	—	—

615
Series**paulin** METRIC HEX BOLT WITH CAPTIVE WASHERS

PART CLASS #

806BU
806AI

HEX BOLT WITH CAPTIVE WASHER is a bolt and washer assembly that protects the seating surface. The captive assembly prevents the washer from falling off.

A/F = Across Flats (W) **W** = Width **H** = Height **L** = Length **D** = Diameter **P** = Pitch

ORDER BY ITEM (PACKAGE) NUMBER**ISO Coarse Thread**

Product not available in this pack size

YELLOW ZINC PLATEDDiameter-Pitch: **M5-.80**Across Flats: **8** Height: **3.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	1.00	—	—	—	—	615-460	40	—	—
30 mm	931	1.20	—	—	—	—	615-462	40	—	—
40 mm	931	1.48	—	—	—	—	615-466	40	—	—

Diameter-Pitch: **M6-1.00**Across Flats: **10** Height: **4**

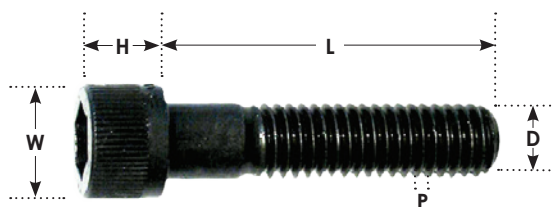
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	0.81	—	—	—	—	615-512	20	—	—
35 mm	931	0.91	—	—	—	—	615-514	20	—	—
45 mm	931	2.48	—	—	—	—	615-518	20	—	—
50 mm	931	2.68	—	—	—	—	615-520	20	—	—

Diameter-Pitch: **M8-1.25**Across Flats: **13** Height: **5.3**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
45 mm	931	4.60	—	—	—	—	615-568	15	—	—
50 mm	931	5.00	—	—	—	—	615-570	15	—	—
60 mm	931	5.73	—	—	—	—	615-574	15	—	—

ISO Fine ThreadDiameter-Pitch: **M10-1.25**Across Flats: **17** Height: **6.4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	5.50	—	—	—	—	615-610	15	—	—
100 mm	931	14.40	—	—	—	—	615-636	10	—	—

622
Series**paulin® METRIC SOCKET HEAD CAP SCREWS**PART CLASS #
806AY | DIN 912 = ISO 47623

SOCKET HEAD CAP SCREWS are ideal for applications in which there is not enough space to maneuver wrenches or sockets and have an internal-wrenching drive, such as a hex socket. Also known as socket head bolts.

W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER**ISO Coarse Thread**

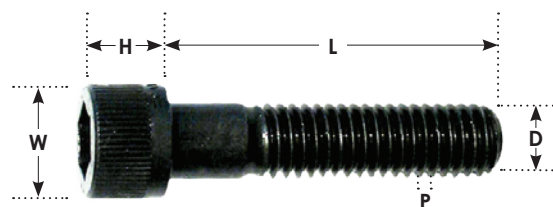
Product not available in this pack size

BLACK OXIDE										
Diameter-Pitch: M3-.50							Height: 3 Width: 5.5 Drive: 2.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	912	0.23	—	—	—	—	622-126	100	—	—
Diameter-Pitch: M4-.70							Height: 4 Width: 7 Drive: 3			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	912	0.43	—	—	—	—	622-136	100	—	—
Diameter-Pitch: M5-.80							Height: 5 Width: 8.5 Drive: 4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	912	0.70	—	—	—	—	622-198	100	—	—
25 mm	912	1.03	—	—	—	—	622-205	100	—	—
Diameter-Pitch: M6-1.00							Height: 6 Width: 10 Drive: 5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	912	1.01	—	—	—	—	622-266	100	—	—
25 mm	912	1.59	—	—	—	—	622-274	100	—	—
45 mm	912	2.55	—	—	—	—	622-279	100	—	—
Diameter-Pitch: M8-1.25							Height: 8 Width: 13 Drive: 6			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	912	3.22	—	—	—	—	622-318	100	—	—
30 mm	912	3.59	—	—	—	—	622-320	100	—	—
50 mm	912	5.35	—	—	—	—	622-324	100	—	—

622
Series

paulin METRIC SOCKET HEAD CAP SCREWS

PART CLASS #
806AY | DIN 912 = ISO 47623



W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

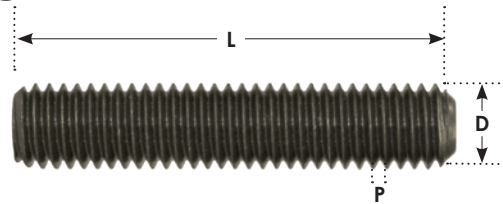
Product not available in this pack size

BLACK OXIDE										
Diameter-Pitch: M10-1.50							Height: 10 Width: 16 Drive: 8			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	912	4.95	—	—	—	—	622-366	100	—	—
35 mm	912	6.64	—	—	—	—	622-371	100	—	—
60 mm	912	10.14	—	—	—	—	622-376	50	—	—
Diameter-Pitch: M12-1.75							Height: 12 Width: 18 Drive: 10			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	912	7.09	—	—	—	—	622-410	50	—	—
45 mm	912	11.25	—	—	—	—	622-417	50	—	—
Diameter-Pitch: M14-2.00							Height: 14 Width: 21 Drive: 12			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	912	17.32	—	—	—	—	622-442	25	—	—
Diameter-Pitch: M16-2.00							Height: 16 Width: 24 Drive: 14			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	912	19.66	—	—	—	—	622-465	25	—	—
Diameter-Pitch: M24-2.50							Height: 24 Width: 36 Drive: 19			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
60 mm	912	74.70	—	—	—	—	622-554	5	—	—

623
Series

hpaulin METRIC SOCKET SET SCREW

PART CLASS #
803BD | DIN 916 = ISO 4029



SOCKET SET SCREWS are driven with an internal-wrenching drive, such as a hex socket. Used in industrial and mechanical applications, particularly within assemblies with rotating items such as pulleys or wheels where a component is locked onto a shaft.

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

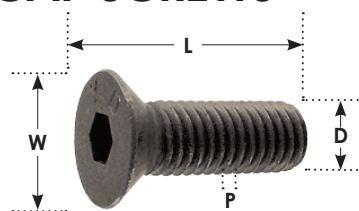
ISO Coarse Thread

 Product not available in this pack size

BLACK OXIDE										
Diameter-Pitch: M3-.50							Drive: 1.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	916	0.09	—	—	—	—	623-125	100	—	—
Diameter-Pitch: M4-.70							Drive: 2			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
5 mm	916	0.09	—	—	024-904	6	—	—	—	—
10 mm	916	0.17	—	—	024-907	6	—	—	—	—
16 mm	916	0.27	—	—	—	—	623-139	100	—	—
Diameter-Pitch: M5-.80							Drive: 2.5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	916	0.27	—	—	024-910	6	—	—	—	—
Diameter-Pitch: M6-1.00							Drive: 3			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
8 mm	916	0.31	—	—	024-916	6	—	—	—	—
12 mm	916	0.47	—	—	024-919	6	—	—	—	—
20 mm	916	0.78	—	—	024-922	6	623-272	100	—	—
Diameter-Pitch: M8-1.25							Drive: 4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
8 mm	916	0.56	—	—	024-926	6	—	—	—	—
12 mm	916	0.84	—	—	024-930	6	—	—	—	—
20 mm	916	1.40	—	—	024-934	6	—	—	—	—
40 mm	916	2.81	—	—	—	—	623-322	100	—	—
Diameter-Pitch: M10-1.50							Drive: 5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	916	2.20	—	—	—	—	623-366	100	—	—

623
Series

paulin METRIC FLAT SOCKET HEAD CAP SCREWS

PART CLASS #
806AY | DIN 7991 = ISO 10642

FLAT SOCKET HEAD CAP SCREWS are ideal for applications in which there is not enough space to maneuver wrenches or sockets and have an internal-wrenching drive, with a flat top and cone-shaped bearing surface. The length of flat head screws are measured from the tip to the top of the head.

W = Width

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size

BLACK OXIDE

Diameter-Pitch: **M4-.70**Width: **8** Drive: **2.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	7991	0.43	—	—	—	—	623-141	100	—	—

Diameter-Pitch: **M5-.80**Width: **10** Drive: **3**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	7991	0.68	—	—	—	—	623-205	100	—	—

Diameter-Pitch: **M6-1.00**Width: **12** Drive: **4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	7991	0.68	—	—	—	—	623-267	100	—	—
35 mm	7991	1.55	—	—	—	—	623-277	100	—	—

Diameter-Pitch: **M8-1.25**Width: **16** Drive: **5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	7991	5.03	—	—	—	—	623-318	100	—	—

Diameter-Pitch: **M10-1.50**Width: **20** Drive: **6**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
45 mm	7991	6.09	—	—	—	—	623-373	100	—	—

Diameter-Pitch: **M12-1.75**Width: **24** Drive: **8**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	7991	15.25	—	—	—	—	623-415	50	—	—

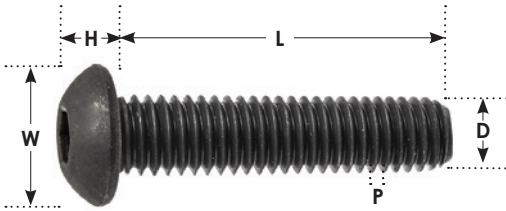
Diameter-Pitch: **M16-2.00**Width: **30** Drive: **10**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	7991	11.52	—	—	—	—	623-464	25	—	—

624
Series

hpaulin METRIC BUTTON HEAD CAP SCREWS

PART CLASS #
806AY | ISO 7380



BUTTON HEAD CAP SCREWS are used when clearance is an issue and where countersinking is not an option. They feature a low profile dome hex socket head that uses a hex key or hex bit to drive. Measure screw length from the tip to under the head.

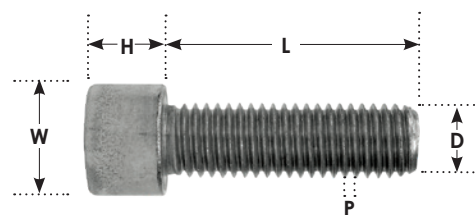
W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

BLACK OXIDE									
Diameter-Pitch: M10-1.50						Width: 17.5 Height: 5.5 Drive: 6			
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	4.17	—	—	—	—	624-368	100	-	-

5914
Series**paulin** METRIC SOCKET HEAD CAP SCREWSPART CLASS #
DIN 912 = ISO 4762

W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

18.8 STAINLESS STEEL

Diameter-Pitch: M4-.70							Height: 4 Width: 7 Drive: 3			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
8 mm	912	0.33	—	—	—	—	5914-102	50	—	—
10 mm	912	0.37	—	—	—	—	5914-103	50	—	—
12 mm	912	0.39	—	—	—	—	5914-105	50	—	—
16 mm	912	0.46	—	—	—	—	5914-106	50	—	—
20 mm	912	0.59	—	—	—	—	5914-107	50	—	—
25 mm	912	0.72	—	—	—	—	5914-109	50	—	—

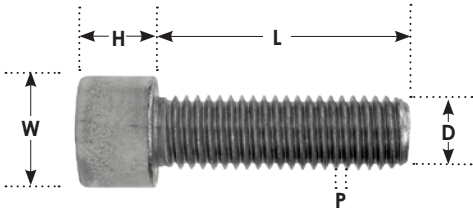
Diameter-Pitch: M5-.80							Height: 5 Width: 8.5 Drive: 4			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	912	0.65	—	—	—	—	5914-203	50	—	—
12 mm	912	0.69	—	—	—	—	5914-205	50	—	—
16 mm	912	0.81	—	—	—	—	5914-206	50	—	—
20 mm	912	0.95	—	—	—	—	5914-207	50	—	—
25 mm	912	1.12	—	—	—	—	5914-209	50	—	—
30 mm	912	2.00	—	—	—	—	5914-210	50	—	—
35 mm	912	2.00	—	—	—	—	5914-211	50	—	—

Diameter-Pitch: M6-1.00							Height: 6 Width: 10 Drive: 5			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	912	1.00	—	—	—	—	5914-303	50	—	—
12 mm	912	1.12	—	—	—	—	5914-305	50	—	—
16 mm	912	1.22	—	—	—	—	5914-306	50	—	—
20 mm	912	1.37	—	—	—	—	5914-307	50	—	—
25 mm	912	1.58	—	—	—	—	5914-309	50	—	—
30 mm	912	1.74	—	—	—	—	5914-310	25	—	—
35 mm	912	2.06	—	—	—	—	5914-311	25	—	—
40 mm	912	2.30	—	—	—	—	5914-312	25	—	—

5914
Series

paulin METRIC SOCKET HEAD CAP SCREWS

PART CLASS #
DIN 912 = ISO 4762



W = Width H = Height L = Length D = Diameter P = Pitch

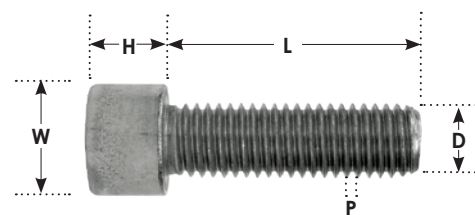
ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

18.8 STAINLESS STEEL										
Diameter-Pitch: M8-1.25							Height: 8 Width: 13 Drive: 6			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	912	2.54	—	—	—	—	5914-406	50	—	—
20 mm	912	2.60	—	—	—	—	5914-407	50	—	—
25 mm	912	3.16	—	—	—	—	5914-409	50	B5914-409	1700
30 mm	912	3.54	—	—	—	—	5914-410	25	—	—
35 mm	912	3.96	—	—	—	—	5914-411	25	—	—
40 mm	912	4.46	—	—	—	—	5914-412	25	—	—
45 mm	912	4.92	—	—	—	—	5914-415	25	—	—
50 mm	912	5.47	—	—	—	—	5914-416	15	—	—
55 mm	912	5.92	—	—	—	—	5914-417	15	—	—
60 mm	912	6.30	—	—	—	—	5914-418	15	—	—

Diameter-Pitch: M10-1.50							Height: 10 Width: 16 Drive: 8			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	912	4.84	—	—	—	—	5914-507	50	—	—
25 mm	912	5.41	—	—	—	—	5914-509	50	—	—
30 mm	912	6.10	—	—	—	—	5914-510	-	—	—
35 mm	912	6.69	—	—	—	—	5914-511	25	—	—
40 mm	912	7.23	—	—	—	—	5914-512	15	—	—
45 mm	912	8.10	—	—	—	—	5914-515	-	—	—
50 mm	912	8.64	—	—	—	—	5914-516	10	—	—
60 mm	912	10.00	—	—	—	—	5914-518	10	—	—
70 mm	912	11.46	—	—	—	—	5914-519	10	—	—

5914
Series**paulin** METRIC SOCKET HEAD CAP SCREWSPART CLASS #
DIN 912 = ISO 4762

W = Width H = Height L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

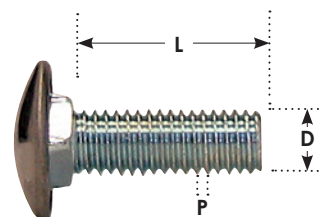
Product not available in this pack size

18.8 STAINLESS STEELDiameter-Pitch: **M12-1.75**Height: **12** Width: **18** Drive: **10**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	912	8.83	—	—	—	—	5914-610	20	—	—
35 mm	912	9.55	—	—	—	—	5914-611	—	—	—
40 mm	912	10.47	—	—	—	—	5914-612	15	—	—
45 mm	912	11.02	—	—	—	—	5914-615	15	—	—
50 mm	912	11.99	—	—	—	—	5914-616	15	—	—
55 mm	912	12.96	—	—	—	—	5914-617	10	—	—
60 mm	912	13.95	—	—	—	—	5914-618	5	—	—
70 mm	912	16.50	—	—	—	—	5914-619	10	—	—

Diameter-Pitch: **M16-2.00**Height: **16** Width: **24** Drive: **14**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	912	—	—	—	—	—	5914-711	5	—	—

245
Series**paulin** METRIC BUMPER BAR BOLTSPART CLASS #
806AB

BUMPER BAR BOLTS are used for automotive bumper repairs. Specially designed to secure car bumpers in place.

L = Length D = Diameter P = Pitch

ISO Coarse Thread

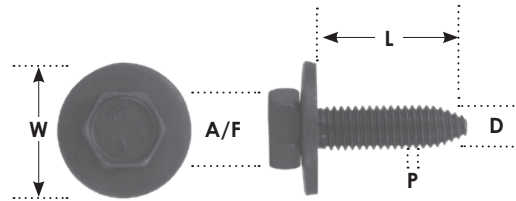
CHROMEDiameter-Pitch: **M8-1.25**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	4.00	910-1390	2	—	—	—	—	—	—

245
Series

paulin METRIC BODY BOLTS

PART CLASS #
806AA



BODY BOLTS are used for the attachment of automotive fenders, radiators, hoods, trunks and general purpose automotive fastening. They can be a fastening solution for many home, and commercial applications. Bolts are either a hex washer head or hex head with screw or bolt-washer assembly. Please refer to product images at the end of this section, p.48

A/F = Across Flats W = Width L = Length D = Diameter P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

BLACK OXIDE											
Diameter-Pitch: M6-1.00											
Length	Approx. Weight (lb) /100 pcs	A/F	W	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	1.88	10	17	910-0043	3	—	—	245-405	25	—	—
20 mm	1.74	10	13	910-0040	4	—	—	245-505	25	—	—
25 mm	2.06	10	17	910-0050	5	—	—	245-407	25	—	—
25 mm	2.94	10	24	910-0053	4	—	—	245-408	25	—	—
25 mm	1.66	10	13	—	—	—	—	245-507	25	—	—
35 mm	2.38	10	17	910-0065	3	—	—	245-510	25	—	—
Diameter-Pitch: M8-1.25											
Length	Approx. Weight (lb) /100 pcs	A/F	W	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	3.12	13	17	—	—	—	—	245-525	25	—	—
25 mm	3.96	13	24	910-0075	2	—	—	245-526	25	—	—
30 mm	3.78	13	17	910-0080	2	—	—	245-527	25	—	—
30 mm	4.86	13	24	910-0090	2	—	—	245-440	25	—	—
30 mm	3.30	13	17	910-0085	3	—	—	245-441	25	—	—
Diameter-Pitch: M10-1.50											
Length	Approx. Weight (lb) /100 pcs	A/F	W	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	8.63	15	29	910-0100	2	—	—	245-450	15	—	—

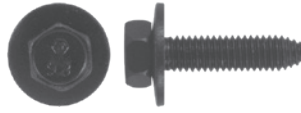
245
Series

paulin METRIC BODY BOLTS

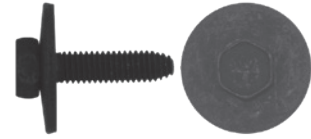
M6-1.00



245-405



245-407



245-408



245-505

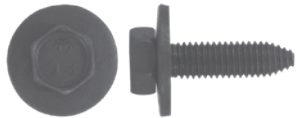


245-507



247-510

M8-1.25



245-440



245-441



245-525



245-526



245-527

M10-1.50



245-450

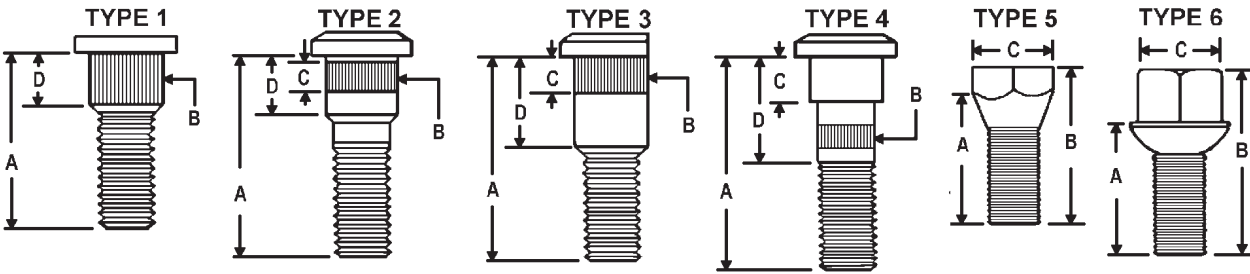
Images do not represent actual size

561
Series

paulin METRIC WHEEL BOLTS

PART CLASS #
802BY

WHEEL BOLTS are standard on many German-built cars and use a threaded stem with a tapered head to match the wheel insert. Wheel bolts are installed with a hex socket tool. Product images on p.52.



ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

Diameter-Pitch: M12-1.50						
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Length B	Hex C	OEM Number
561-130	6	10.90	M12 x 1.5R x 27 mm	40.00 mm	17.00 mm	321-601-139
561-167	6	16.00	M12 x 1.5R x 28 mm	44.00 mm	21.00 mm	—
561-132	6	11.80	M12 x 1.5R x 30 mm	45.00 mm	17.00 mm	321-601-139C
561-367	6	15.10	M12 x 1.5R x 36 mm	52.00 mm	17.00 mm	—

Diameter-Pitch: M14-1.25						
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Length B	Hex C	OEM Number
561-532	6	14.75	M14 x 1.25R x 36 mm	49.00 mm	17.00 mm	36136774896

Diameter-Pitch: M14-1.50						
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Length B	Hex C	OEM Number
561-133	6	13.45	M14 x 1.5R x 31 mm	50.00 mm	17.00 mm	431/443-601-139A
561-467	6	17.25	M14 x 1.5R x 36 mm	50.50 mm	17.00 mm	4D0601139A
561-516	6	17.30	M14 x 1.5R x 36 mm	49.00 mm	17.00 mm	0009904907
561-522	6	18.10	M14 x 1.5R x 41 mm	54.50 mm	17.00 mm	36136758730

PART CLASS #
802BY

WHEEL STUDS are mounted in the hub and stick out beyond the brake rotor face. Wheel studs must be fully seated by a hydraulic press. Product images on p.53.

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

Diameter-Pitch: M10-1.25							
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-380	2	5.10	M10 x 1.25R x 29 mm	10.00 mm	6.00 mm	9.00 mm	96055156
Diameter-Pitch: M12-1.25							
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-102	2	8.55	M12 x 1.25R x 32 mm	12.90 mm	7.00 mm	10.60 mm	40222-2201
561-155	1	8.15	M12 x 1.25R x 33 mm	12.00 mm	—	10.00 mm	90113-634-003
561-174	1	7.95	M12 x 1.25R x 34 mm	12.24 mm	—	10.00 mm	96057612
561-175	2	9.40	M12 x 1.25R x 38 mm	12.24 mm	9.60 mm	14.00 mm	96057613
561-100	2	9.80	M12 x 1.25R x 39 mm	12.90 mm	7.00 mm	15.40 mm	40222-A0800
561-378	2	11.15	M12 x 1.25R x 42 mm	14.35 mm	7.00 mm	13.50 mm	—
561-401	2	10.85	M12 x 1.25R x 42 mm	14.43 mm	6.00 mm	14.50 mm	—
Diameter-Pitch: M12-1.50							
Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-166	1	8.50	M12 x 1.5R x 32 mm	13.00 mm	—	9.00 mm	D5RY-1107C
561-115	2	8.05	M12 x 1.5R x 35 mm	12.70 mm	5.00 mm	9.00 mm	—
561-122	1	9.00	M12 x 1.5R x 36 mm	14.30 mm	—	9.00 mm	90942-02035
561-154	2	8.40	M12 x 1.5R x 36 mm	12.00 mm	6.30 mm	12.00 mm	90113-SAO-003
561-139	2	9.40	M12 x 1.5R x 37 mm	14.00 mm	4.00 mm	11.00 mm	—
561-140	1	8.15	M12 x 1.5R x 37 mm	14.40 mm	—	6.40 mm	MB057603
561-168	2	9.30	M12 x 1.5R x 38 mm	13.00 mm	7.00 mm	12.00 mm	E07Z-1107A/C
561-106	1	9.05	M12 x 1.5R x 38.5 mm	14.70 mm	—	10.00 mm	6500352/073
561-108	2	10.10	M12 x 1.5R x 38.5 mm	14.30 mm	7.00 mm	10.00 mm	5204272
561-109	3	9.70	M12 x 1.5R x 40 mm	14.80 mm	7.00 mm	13.50 mm	—
561-112	2	8.25	M12 x 1.5R x 40 mm	12.50 mm	8.00 mm	10.00 mm	94024217
561-126	2	9.60	M12 x 1.5R x 41 mm	14.20 mm	5.00 mm	8.50 mm	90942-02037
561-309	3	10.00	M12 x 1.5R x 42.7 mm	13.08 mm	7.00 mm	19.50 mm	8596-33-062
561-110	2	9.05	M12 x 1.5R x 43 mm	13.00 mm	6.00 mm	9.60 mm	9590475/76
561-169	2	10.00	M12 x 1.5R x 43 mm	12.85 mm	6.50 mm	13.80 mm	F0CZ-1107A
561-248	2	9.65	M12 x 1.5R x 43 mm	14.50 mm	5.50 mm	11.00 mm	E43Z-1107A
561-371	2	13.00	M12 x 1.5R x 43 mm	17.00 mm	6.00 mm	15.00 mm	6502330
561-370	2	11.00	M12 x 1.5R x 44 mm	15.80 mm	6.00 mm	15.20 mm	6502247
561-312	2	10.75	M12 x 1.5R x 44 mm	14.17 mm	7.00 mm	12.00 mm	MB584750
561-438	3	11.30	M12 x 1.5R x 44.5 mm	16.23 mm	7.90 mm	12.70 mm	6104381, 6504891AA
561-247	2	10.50	M12 x 1.5R x 46 mm	13.41 mm	6.50 mm	11.20 mm	F0DZ-1107A
561-369	2	11.90	M12 x 1.5R x 46 mm	15.00 mm	6.60 mm	18.00 mm	6502311
561-249	2	11.85	M12 x 1.5R x 46 mm	15.37 mm	5.70 mm	15.00 mm	E9SZ-1107C
561-250	3	10.50	M12 x 1.5R x 47 mm	13.34 mm	6.50 mm	14.30 mm	E0SZ-1107A

561
Series**paulin** METRIC WHEEL STUDSPART CLASS #
802BY

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size
Diameter-Pitch: **M12-1.50**

Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-492	2	9.65	M12 x 1.5R x 48.3 mm	12.84 mm	5.50 mm	7.00 mm	22701519
561-376	3	11.00	M12 x 1.5R x 49 mm	13.90 mm	7.70 mm	15.00 mm	F3DZ-1107A
561-445	1	11.75	M12 x 1.5R x 49 mm	14.48 mm	—	7.00 mm	—
561-251	2	10.65	M12 x 1.5R x 51 mm	13.50 mm	5.00 mm	14.50 mm	E3FZ-1107A
561-255	2	11.90	M12 x 1.5R x 52 mm	12.90 mm	13.00 mm	26.50 mm	FB05-26-113A
561-416	2	12.70	M12 x 1.5R x 52 mm	14.80 mm	8.00 mm	15.30 mm	—
561-264	4	13.25	M12 x 1.5R x 52 mm	14.33 mm	5.50 mm	25.12 mm	90942-02053/044

Diameter-Pitch: **M12-1.75**

Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-390	1	11.10	M12 x 1.75R x 51 mm	14.73 mm	—	8.00 mm	—
561-393	2	14.00	M12 x 1.75R x 55 mm	14.73 mm	6.00 mm	18.00 mm	—

Diameter-Pitch: **M14-1.50**

Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-414	2	13.70	M14 x 1.5R x 43 mm	15.70 mm	8.00 mm	16.50 mm	15589423
561-413	2	13.00	M14 x 1.5R x 43 mm	15.70 mm	8.50 mm	6.00 mm	12338040
561-527	1	14.60	M14 x 1.5R x 45.5 mm	16.50 mm	—	9.00 mm	90113-SHJ-A01
561-415	2	14.10	M14 x 1.5R x 46 mm	15.80 mm	7.00 mm	14.00 mm	15589455
561-410	2	14.10	M14 x 1.5R x 49 mm	15.70 mm	8.00 mm	14.50 mm	12338057
561-502	3	16.15	M14 x 1.5R x 50 mm	16.02 mm	—	18.00 mm	—
561-417	4	16.65	M14 x 1.5R x 54 mm	15.70 mm	7.00 mm	19.00 mm	15589486
561-434	2	17.70	M14 x 1.5R x 58 mm	16.00 mm	6.00 mm	18.00 mm	—
561-428	2	19.10	M14 x 1.5R x 65 mm	15.70 mm	7.00 mm	17.00 mm	—
561-490	2	19.00	M14 x 1.5R x 69.75 mm	15.70 mm	—	—	2C2Z1107AA
561-411	2	28.00	M14 x 1.5R x 76 mm	15.70 mm	23.00 mm	27.00 mm	15545356
561-431	2	27.70	M14 x 1.5R x 80 mm	15.67 mm	19.00 mm	35.0 mm	—
561-418	2	30.70	M14 x 1.5R x 91 mm	15.70 mm	22.00 mm	33.00 mm	15589493
561-436	2	37.55	M14 x 1.5R x 104 mm	16.00 mm	30.00 mm	59.00 mm	—

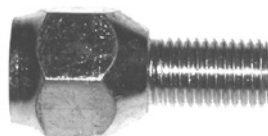
Diameter-Pitch: **M14-2.00**

Black Box #	Type	Approx. Weight (lb) /100 pcs	Size x Length Diameter x A	Knurl B	Knurl/ Shoulder C	Knurl/ Shoulder D	OEM Number
561-442	2	16.25	M14 x 2.0R x 58 mm	15.50 mm	4.60 mm	12.00 mm	—
561-424	2	19.50	M14 x 2.0R x 73 mm	15.78 mm	8.00 mm	14.25 mm	—
561-418	2	30.70	M14 x 1.5R x 91 mm	15.70 mm	22.00 mm	33.00 mm	15589493
561-436	2	37.55	M14 x 1.5R x 104 mm	16.00 mm	30.00 mm	59.00 mm	—

M12-1.50



561-130



561-167



561-132



561-367

M14-1.25



561-532

M14-1.50



561-133



561-467



561-516



561-522

Images do not represent actual size

561
Series

paulin METRIC WHEEL STUDS

M10-1.25

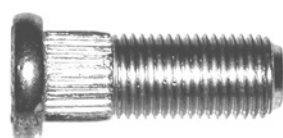


561-380

M12-1.25



561-102



561-155



561-174



561-175



561-100



561-378



561-401

M12-1.50



561-166



561-115



561-122

Images do not represent actual size

561
Series

paulin

METRIC WHEEL STUDS

M12-1.50



561-154



561-139



561-140



561-168



561-106



561-108



561-109



561-112



561-126



561-309



561-110



561-169



561-248



245-371



561-370



561-312



561-438



561-247



561-369



561-249



561-250

Images do not represent actual size

561
Series

paulin METRIC WHEEL STUDS

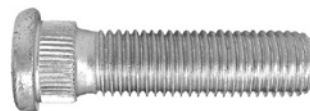
M12-1.50



561-492



561-376



561-445



561-251



561-255



561-416



561-264



561-390



561-393

M14-1.50



561-414



561-413



561-527



561-415



561-410



561-502



561-417



561-434



561-428



561-490



561-411



561-431

Images do not represent actual size

561
Series



METRIC WHEEL STUDS

M14-2.00



561-442



561-424



561-418



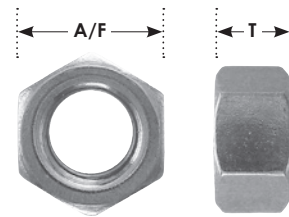
561-436

Images do not represent actual size

670
Series

paulin METRIC HEX NUTS

PART CLASS #
800AX | DIN 934 = ISO 4032



Use a HEX NUT with a screw or bolt to fasten two or more parts. The Class (strength grade) of the nut should be the same as or greater than that of the mating screw or bolt. Nuts can be coarse, fine or extra fine thread.



A/F = Across Flats (W) **W** = Width **T** = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

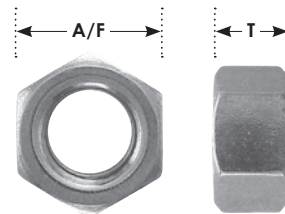
ZINC PLATED											
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M3-.50	0.09	5.5	2.4	—	—	024-203	33	670-003	100	B670-003	12000
M4-.70	0.16	7.0	3.2	—	—	024-204	33	670-004	100	B670-004	10000
M5-.80	0.24	8.0	4.0	—	—	024-205	33	670-005	100	B670-005	15000
M6-1.00	0.47	10.0	5.0	009-250	12	024-206	33	670-006	100	B670-006	9000
M8-1.25	1.03	13.0	6.5	009-251	10	024-208	18	670-008	100	B670-008	4000
M10-1.50	2.26	17.0	8.0	009-252	6	024-210	11	670-010	100	B670-010	2000
M12-1.75	3.31	19.0	10.0	009-253	4	024-212	6	670-012	50	B670-012	1200
M14-2.00	4.92	22.0	11.0	—	—	—	—	670-014	25	B670-014	1000
M16-2.00	6.58	24.0	13.0	—	—	—	—	670-016	25	B670-016	600
M18-2.50	9.28	27.0	15.0	—	—	—	—	670-018	25	B670-018	500
M20-2.50	12.00	30.0	16.0	—	—	—	—	670-020	25	B670-020	400
M24-3.00	20.72	—	—	—	—	—	—	670-024	25	B670-024	200



ISO Fine Thread

RED ZINC PLATED											
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M8-1.00	1.04	13.0	6.5	—	—	024-258	16	670-208	25	B670-208	6000
M10-1.25	2.30	17.0	8.0	009-165	2	024-260	12	670-210	25	B670-210	2000
M12-1.50	3.38	19.0	10.0	009-166	2	024-262	7	670-212	25	B670-212	1700
M14-1.50	4.68	22.0	11.0	—	—	—	—	670-214	25	B670-214	1000
M16-1.50	6.46	24.0	13.0	—	—	—	—	670-216	25	B670-216	800
M18-1.50	8.96	27.0	15.0	—	—	—	—	670-218	25	B670-218	400
M20-1.50	11.66	30.0	16.0	—	—	—	—	670-220	25	B670-220	400

Images do not represent actual size

670
Series**paulin® METRIC HEX NUTS**PART CLASS #
800AX | DIN 934= ISO 4032

A/F = Across Flats (W)

W = Width

T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

ISO Extra Fine Thread

Product not available in this pack size

GREEN ZINC PLATED

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M10-1.00	2.28	17.0	8.0	—	—	024-270	10	670-750	25	—	—
M12-1.25	3.42	19.0	10.0	009-167	2	024-272	7	670-765	25	—	—

671
Series**paulin® METRIC HEX NUTS**PART CLASS #
800AY | DIN 934

ISO Coarse Thread

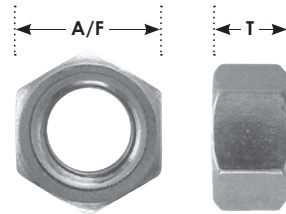
BARE METAL

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.49	10.0	5.0	—	—	—	—	671-006	100	B671-006	9000
M8-1.25	1.02	13.0	6.5	—	—	—	—	671-008	100	B671-008	4000
M10-1.50	2.31	17.0	8.0	—	—	—	—	671-010	100	B671-010	2000
M12-1.75	3.36	19.0	10.0	009-027	12	—	—	671-012	50	B671-012	1200
M14-2.00	4.92	22.0	11.0	—	—	—	—	671-014	25	—	—
M16-2.00	6.50	24.0	13.0	009-028	10	—	—	671-016	25	B671-016	600
M18-2.50	—	27.0	15.0	—	—	—	—	671-018	25	—	—
M20-2.50	12.02	30.0	16.0	009-029	6	—	—	671-020	25	B671-020	400
M24-3.00	20.50	36.0	19.0	009-030	4	—	—	671-024	25	B671-024	200

672
Series

paulin METRIC HEX NUTS

PART CLASS #
800AY | DIN 934 = ISO 4032



A/F = Across Flats (W) W = Width T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.50	10.0	5.0	—	—	—	—	672-006	100	B672-006	9000
M8-1.25	1.05	13.0	6.5	—	—	—	—	672-008	100	B672-008	4000
M10-1.50	2.26	17.0	8.0	—	—	—	—	672-010	100	B672-010	2000
M12-1.75	3.38	19.0	10.0	—	—	—	—	672-012	50	B672-012	1200
M14-2.00	4.90	22.0	11.0	—	—	—	—	672-014	25	—	—
M16-2.00	6.46	24.0	13.0	—	—	—	—	672-016	25	B672-016	600
M18-2.50	9.14	27.0	15.0	—	—	—	—	672-018	25	—	—
M20-2.50	11.88	30.0	16.0	—	—	—	—	672-020	25	—	—
M24-3.00	20.66	36.0	19.0	—	—	—	—	672-024	25	—	—

5901
Series

paulin METRIC HEX NUTS

PART CLASS #
800AZ | DIN 934= ISO 4032



ISO Coarse Thread

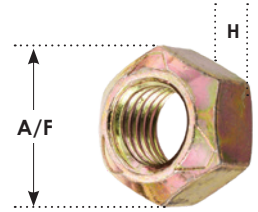
18.8 STAINLESS STEEL

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M4-0.70	0.20	7.0	3.2	—	—	—	—	5901-008	50	—	—
M5-0.80	0.22	8.0	4.0	—	—	—	—	5901-010	50	—	—
M6-1.00	0.50	10.0	5.0	—	—	—	—	5901-014	50	—	—
M8-1.25	1.06	13.0	6.5	—	—	—	—	5901-016	50	B5901-016	5500
M10-1.50	2.32	17.0	8.0	—	—	—	—	5901-018	50	—	—
M12-1.75	3.40	19.0	10.0	—	—	—	—	5901-022	25	—	—
M16-2.00	6.50	24.0	13.0	—	—	—	—	5901-024	5	—	—
M20-2.50	12.30	30.0	16.0	—	—	—	—	5901-026	5	—	—

672
Series

hpaulin® METRIC CONELOCK® LOCK NUTS

PART CLASS #
800AD



CONELOCK® LOCK NUTS are a type of prevailing-torque locknut or self-locking nut. They are frictionally resistant to rotation due to localized precision deformation of the thread in the cone section on top of the nut.

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

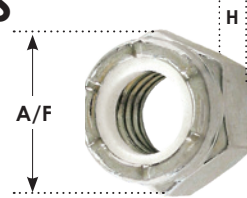
YELLOW ZINC PLATED

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.50	10.0	5.5	—	—	—	—	672-206	100	—	—
M8-1.25	1.20	13.0	7.5	—	—	—	—	672-208	100	—	—
M10-1.50	2.80	17.0	9.5	—	—	—	—	672-210	100	—	—
M12-1.75	4.00	19.0	11.5	—	—	—	—	672-212	50	—	—
M14-2.00	5.60	22.0	13.0	—	—	—	—	672-214	25	—	—
M16-2.00	7.20	24.0	15.0	—	—	—	—	672-216	25	—	—
M18-2.50	10.20	27.0	17.0	—	—	—	—	672-218	25	—	—
M20-2.50	13.60	30.0	19.0	—	—	—	—	672-220	25	—	—
M24-3.00	24.40	36.0	22.5	—	—	—	—	672-224	25	—	—

700
Series

paulin METRIC NYLON INSERT LOCK NUTS

PART CLASS #
800CL | DIN 985



NYLON INSERT LOCK NUTS have a nylon insert. These locknuts are strong enough to use on most machinery and equipment that are prone to vibration and temperature changes. The nylon insert also won't damage the threads on your bolt. These nuts are reusable, but their holding power lessens with each use. Pair them with compatible Class 8.8 metric bolts.

A/F = Across Flats (W) H = Height

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

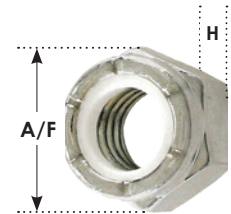
ZINC PLATED

Diameter-Pitch	Approx. Weight (lb) / 100 pcs	A/F	H	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M4-0.70	0.19	7	5.0	—	—	024-224	10	700-004	100	B700-004	9000
M5-0.80	0.23	8	5.0	—	—	024-225	9	700-005	100	B700-005	9000
M6-1.00	0.47	10	6.0	—	—	024-226	9	700-006	100	B700-006	8000
M8-1.25	1.10	13	8.0	—	—	024-228	6	700-008	100	B700-008	4000
M10-1.50	2.41	17	10.0	—	—	024-230	5	700-010	100	B700-010	1500
M12-1.75	3.33	19	12.0	—	—	—	—	700-012	50	B700-012	1000
M14-2.00	5.10	21	14.0	—	—	—	—	700-014	25	B700-014	700
M16-2.00	6.40	24	16.0	—	—	—	—	700-016	25	B700-016	400
M18-2.50	10.08	26	18.5	—	—	—	—	700-018	100	B700-018	300
M20-2.50	12.98	28	20.0	—	—	—	—	700-020	25	B700-020	250
M24-3.00	—	30	24.0	—	—	—	—	700-024	20	B700-024	90

5904
Series

hpaulin METRIC NYLON INSERT LOCK NUTS

PART CLASS #
800BI | DIN 985



NUTS

A/F = Across Flats (W) H = Height

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size

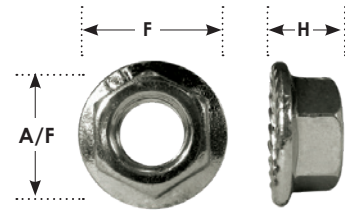
18.8 STAINLESS STEEL

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.0	0.47	10	6	—	—	—	—	5904-014	50	—	—
M8-1.25	1.03	13	8	—	—	—	—	5904-016	50	—	—
M10-1.5	2.25	16	10	—	—	—	—	5904-018	50	—	—
M12-1.75	3.20	18	12	—	—	—	—	5904-022	25	—	—
M16-2.0	7.10	24	16	—	—	—	—	5904-024	5	—	—
M24-3.0	20.00	36	24	—	—	—	—	5904-028	5	—	—

244
Seriespaulin[®] METRIC FLANGE NUTS

PART CLASS #

800CK | DIN 6923 = ISO 4161



FLANGE NUTS are a type of fastener with a wide bottom circular flange. Their “washer like” base helps in distributing the load pressure of the nut uniformly over a large surface area.

WASHER NUTS are also known as flange nuts.

FREE SPINNING WASHER NUTS are an attached free spinning lock washer. For applications where there is little or no vibration in the assembly and when the assembly consists of thin materials, slots or non-precision oversize holes.

SPIN LOCK NUTS also known as flange nuts with serrations.

A/F = Across Flats (W)

H = Height

F = Flange

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

PHOSPHATE COATED										Washer Nut		
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	1.42	10	9	18	910-0130	4	—	—	244-955	25	—	—
OEM #: 6100048												

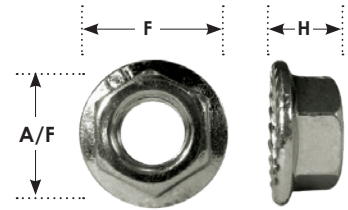
Free Spinning Washer Nut												
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.80	10	10	17	910-0165	6	—	—	244-956	25	—	—
OEM #: GM 11503752, 1150329, VW N90100001												
M6-1.00	1.70	10	9	20	910-0170	2	—	—	244-957	25	—	—
OEM #: 6100049												
M6.3-1.00	1.50	11	9	16	910-0175	3	—	—	244-958	25	—	—
OEM #: 11500747, 11501106												
M8-1.25	1.75	13	—	19	910-0180	4	—	—	244-959	100	—	—

BLACK OXIDE										Flange Nut		
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M5-.80	0.50	8	—	11.5	910-0120	3	—	—	—	—	—	—
M6-1.00	0.82	10	6	14	910-0125	4	024-850	10	244-986	25	—	—
OEM #: 11503745												
M8-1.25	1.33	—	—	—	910-0140	—	—	—	244-960	25	—	—
M8-1.25	1.64	13	—	17	910-0135	4	024-852	8	244-987	25	—	—
OEM #: 11501889												
M10-1.25	2.50	—	—	—	—	—	024-854	6	244-998	25	—	—
M10-1.50	2.68	15	—	21	910-0150	3	—	—	244-988	25	—	—
OEM #: 11501850												

244
Series

paulin[®] METRIC FLANGE NUTS

PART CLASS #
800CK | DIN 6923 = ISO 4161



NUTS

A/F = Across Flats (W) H = Height F = Flange

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

ZINC PLATED

Spin Lock Nut with Serrations

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.78	10	6	14	009-126	4	—	—	244-996	25	—	—
M8-1.25	1.30	13	10.5	24	009-127	4	—	—	244-997	25	B244-997	—
OEM #: 11503745												

611
Series

paulin[®] METRIC FLANGE NUTS

Flange Nut with Serrations

Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6-1.00	0.71	10	5.85	14.2	—	—	—	—	611-906	100	—	—
M8-1.25	1.26	12	7.5	16.0	—	—	—	—	611-908	100	—	—
M10-1.50	2.71	15	9.80	21.8	—	—	—	—	611-910	50	—	—
M12-1.75	1.32	18	11.8	26.0	—	—	—	—	611-912	50	—	—

Images do not represent actual size



244-955



**244-956/244-957/
244-958/244-959**



**244-986/244-987/
244-988**

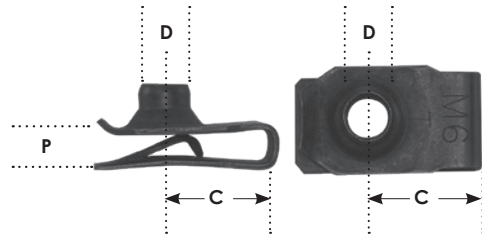


**244-996/244-997/244-987
611-906/611-908/611-910/611-912**

241
Series

hpaulin® METRIC U-NUTS

PART CLASS #
800CA



U-NUTS (similar to J-type) provide a strong and secure fixing for applications where two or more panels require holding together. The use of U-Nuts prevents stripping of screws in metal and reduces squeaks and rattles. Typical applications include motor vehicles, domestic appliances, electrical equipment and machinery.

D = Diameter-Pitch

C = Centre of Hole

P = Panel Range

ORDER BY ITEM (PACKAGE) NUMBER

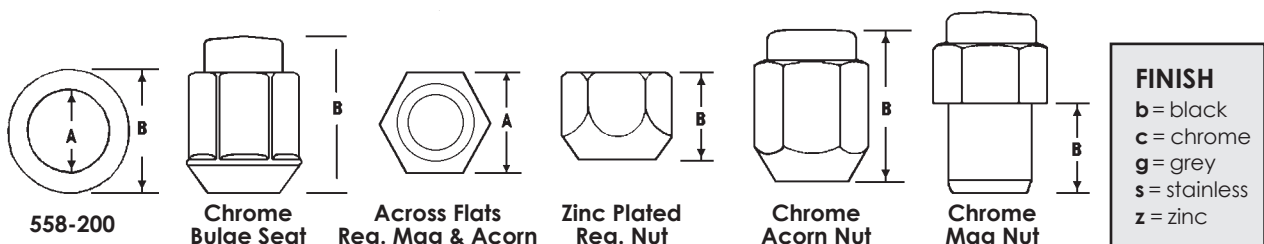
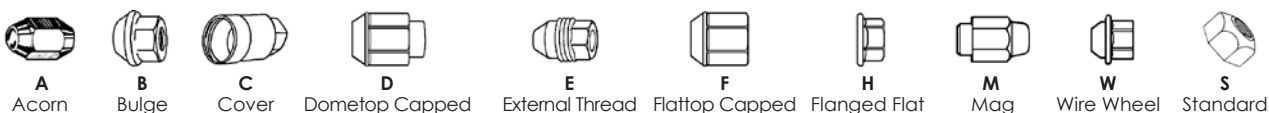
 Product not available in this pack size

BLACK OXIDE										Multi-Thread	
Diameter-Pitch	Approx. Weight (lb) /100 pcs	C	P	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M4 x .70	0.46	—	—	—	—	—	—	241-604	25	—	—
M4 x .70	0.54	—	—	—	—	—	—	241-605	25	—	—
M6 x 1.00	1.36	13.5	.80 -4	910-1420	3	—	—	241-606	25	—	—
OEM #: 11503957, 1016937, N623332-S2, N623332-S53, N623332-S100											
M6 x 1.00L	1.42	19.5	.34 -4	910-1421	2	—	—	241-607	25	—	—
OEM #: 11503715, 11508241, 11609385											
M6.3 x 1.00	1.08	13.5	.80 -4	910-1425	3	—	—	241-612	25	—	—
OEM #: 11500658, 9433043											
M8 x 1.25L	2.02	20	.80 -4.5	910-1430	2	—	—	241-608	25	—	—
OEM #: 11500661, 11503317, 11516150, N623343-S2, N623343-S100											
M8 x 1.25	1.72	14.5	.80 -4	910-1427	3	—	—	241-609	25	—	—
OEM #: 11500660, 11502617, N623333-S2, 6101283											
M10 x 1.50	3.60	19	1-6	910-1435	2	—	—	241-610	10	—	—
OEM #: 11500662, 22531616											

559
Series**paulin® METRIC WHEEL NUTS**PART CLASS #
802BU

NUTS

METRIC WHEEL NUTS or wheel lugs are made to meet SAE standards and have a zinc, chrome or stainless finish. Open and closed wheel nuts are interchangeable. When replacing your wheel nut, match the thread size, seat type and hex size to your original. Optionally, a wheel nut with the same thread size and seat type but with a different hex size can be used, however a new matching hex size wheel nut removal tool is required. Keep the tool in your vehicle for future or emergency use. Product images on p.69.

**TYPE****ORDER BY ITEM (PACKAGE) NUMBER****Diameter-Pitch: M10-1.25**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type Finish	Standard Pkg. Qty
559-060	5.10	Acorn	17.00 mm	21.00 mm	Ac	10

Diameter-Pitch: M12-1.25

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type Finish	Standard Pkg. Qty
559-064	4.80	Regular	19.00 mm	16.00 mm	Sc	10
559-078	6.95	Acorn	19.00 mm	25.00 mm	Ac	10
559-113	6.20	Standard	21.00 mm	16.00 mm	Sc	10
559-125	6.55	Regular	21.00 mm	16.00 mm	Sz	10
B559-125	6.55	Regular	21.00 mm	16.00 mm	Sz	100
559-095	6.55	Mag	21.00 mm (13/16 in)	3/4 in	Mc	10
559-114	11.80	Acorn	21.00 mm	29.00 mm	Ac	10
559-310	18.70	Dometop Capped	21.00 mm	34.00 mm	Dc	10
559-065	14.20	Acorn	21.00 mm (13/16 in)	1-3/8 in	Ac	10

559
Series**paulin** METRIC WHEEL NUTSPART CLASS #
802BU

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size
Diameter-Pitch: **M12-1.50**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type	Standard Pkg. Qty
559-150	4.30	Regular	19.00 mm	14.00 mm	Sz	10
8559-150	4.30	Regular	19.00 mm	14.00 mm	Sz	100
559-085	9.00	Wirewheel	19.00 mm	22.00 mm	Wb	10
559-163	8.65	Bulge	19.00 mm	23.00 mm	Bz	10
559-191	11.70	External Thread	19.00 mm	28.00 mm	Ez	5
559-087	10.00	Dometop Capped	19.00 mm	30.00 mm	Ds	10
559-301	10.00	Acorn Bulge	19.00 mm	30.00 mm	ABc	10
559-074	8.65	Dometop Capped	19.00 mm	31.00 mm	Ds	10
559-192	13.10	External Thread	19.00 mm	31.00 mm	Ez	5
559-089	11.25	Flattop Capped	19.00 mm	32.00 mm	Fs	10
559-151	15.35	External Thread	19.00 mm	34.00 mm	EHZ	10
559-075	11.05	Acorn	19.00 mm (3/4 in)	1-3/8 in	Ac	10
559-077	12.60	Acorn Bulge	19.00 mm	35.00 mm	ABc	10
559-138	13.00	Acorn Flanged	19.00 mm	35.00 mm	AHc	10
559-190	10.60	Dometop Capped	19.00 mm	36.00 mm	Ds	5
559-137	13.50	Acorn Flanged	19.00 mm	40.00 mm	AHc	10
559-181	18.00	Wirewheel	19.00 mm	43.00 mm	Ws	10
559-172	7.50	Regular	21.00 mm	18.00 mm	Sz	10
559-141	8.50	Acorn	21.00 mm	27.00 mm	Ac	10
559-104	16.90	Mag	21.00 mm	5/16 in	Mc	10
559-100	13.60	Mag	21.00 mm (13/16 in)	3/4 in	Mc	10
559-070	12.60	Acorn	21.00 mm	1-3/8	Ac	10
559-117	18.00	Flanged Flat	21.00 mm	37.00 mm	DHc	10
559-167	23.65	Mag	21.00 mm	47.00 mm	Mc	10
558-200	1.50	11/16 in ID x 1 in OD Mag washer for mag wheel nuts	—	—	c	10

Diameter-Pitch: **M12-1.75**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type	Standard Pkg. Qty
559-174	11.15	Flanged Flat	19.00 mm	23.00 mm	Hb	10

559
Series**paulin** METRIC WHEEL NUTSPART CLASS #
802BU

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size
Diameter-Pitch: **M14-1.50**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type	Standard Pkg. Qty
559-246	13.00	Flanged Flat	21.00 mm	23.20 mm	Hb	10
559-112	14.70	Dometop Capped	21.00 mm	34.00 mm	D	10
559-154	10.15	Bulge	22.00 mm	21.00 mm	Bz	10
559-194	13.40	External Thread	22.00 mm	26.00 mm	Ez	5
559-193	14.00	External Thread	22.00 mm	29.00 mm	Ez	5
559-257	9.95	Bulge	21.00 mm	24.00 mm	Bz	10
559-259	17.35	Dometop Capped	21.00 mm	43.50 mm	Dc	10
559-302	29.40	Flanged Flat	22.00 mm	34.00 mm	Hb	10
559-236	23.00	Flattop Capped	22.00 mm	44.50 mm	Fc	10
559-277	28.10	Acorn	22.00 mm	46.00 mm	Ac	10
559-306	—	Dometop Capped	20.00 mm	50.00 mm	Ds	10
559-196	12.05	Flanged Flat	21.00 mm	23.00 mm	Hb	10
559-323	16.00	Wire Wheel	21.00 mm	31.00 mm	Ws	10
559-288	—	Dometop Capped	21.00 mm	54.00 mm	Dc	10

Diameter-Pitch: **M24-2.00**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type	Standard Pkg. Qty
559-200	1.70	Cover Grey	18.00 mm	29.00 mm	Cg	5
559-209	1.20	Cover Black	18.00 mm	29.00 mm	Cb	5
559-211	1.40	Cover Grey	19.00 mm	33.00 mm	Cg	5
559-201	2.90	Cover Stainless	19.00 mm	39.00 mm	Cs	5
559-202	2.00	Cover Black	19.00 mm	40.00 mm	Cb	5
559-220	2.40	Cover Black	19.00 mm	33.00 mm	Cb	5
559-203	2.00	Cover Grey	19.00 mm	44.00 mm	Cg	5
559-204	2.00	Cover Black	19.00 mm	45.00 mm	Cb	5

Diameter-Pitch: **M27-2.00**

Part #	Approx. Weight (lb) /100 pcs	Type	Across Flats/Hex Size A	Length B	Type	Standard Pkg. Qty
559-210	2.80	Regular	21.00 mm	39.00 mm	Cg	5
559-205	2.90	Acorn	22.00 mm	40.00 mm	Cb	5
559-212	2.70	Standard	22.00 mm	36.00 mm	Cb	5
559-206	2.90	Regular	23.00 mm	40.00 mm	Cg	5

559
Series

paulin® METRIC WHEEL NUTS

M10-1.25 / M12-1.25



559-060



559-064



559-078



559-113



559-125



559-095



559-114



559-310



559-065

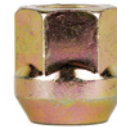
M12-1.50



559-150



559-085



559-163



559-191



559-087



559-301



559-074



559-192



559-089



559-151



559-075



559-077

Images do not represent actual size

559
Series

paulin METRIC WHEEL NUTS

M12-1.50



559-138



559-190



559-137



559-181



559-172



559-141



559-104



559-100



559-070



559-117



559-167



558-200

M12-1.75



559-174

Images do not represent actual size

559
Series

paulin METRIC WHEEL NUTS

M14-1.50



559-246



559-112



559-154



559-194



559-193



559-257



559-259



559-302



559-236



559-277



559-306



559-196



559-323



559-288

Images do not represent actual size

559
Series

paulin METRIC WHEEL NUTS

M24-2.0



559-200



559-209



559-211



559-201



559-202



559-220



559-203



559-204

M27-2.00



559-210



559-205



559-212



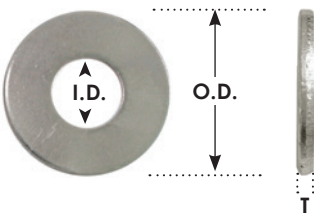
559-206

Images do not represent actual size

730 Series

hpaulin[®] METRIC FLAT WASHERS

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. These metric 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. 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 PLATED										Hardness Class 200 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	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

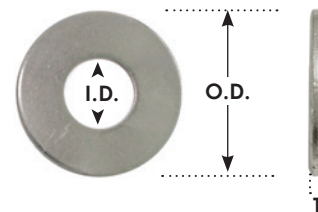


YELLOW ZINC PLATED										Hardness Class 300 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.21	6.4	12.5	1.6	—	—	—	—	730-406	100	B730-406	9000
8 mm	0.49	8.4	17.0	1.6	—	—	—	—	730-408	100	B730-408	6000
10 mm	0.80	10.5	21.0	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 METRIC FLAT WASHERS

PART CLASS #
804AO | DIN 125A = ISO 7089



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

ORDER BY ITEM (PACKAGE) NUMBER

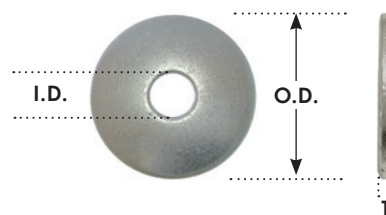
☐ Product not available in this pack size

18.8 STAINLESS STEEL

Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M6	0.16	6.4	1.25	1.6	—	—	—	—	5908-214	50	B5908-214	10000
M8	0.20	8.4	17.0	1.6	—	—	—	—	5908-216	50	B5908-216	15000
M10	0.70	10.5	—	2.0	—	—	—	—	5908-218	50	B5908-218	5000
M12	1.24	13.0	24.0	2.5	—	—	—	—	5908-222	25	B5908-222	4000
M16	2.10	17.0	30.0	—	—	—	—	—	5908-224	5	B5908-224	2000
M20	3.78	21.0	37.0	—	—	—	—	—	5908-226	5	B5908-226	1000

730
Series**paulin® METRIC FENDER WASHERS**

PART CLASS #

804AD | DIN 9021B = ISO 7093
800AE |

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

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size

ZINC PLATED										Hardness Class 200 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	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	—	—

750
Series**paulin® METRIC FENDER WASHERS**

PART CLASS #

804AD | DIN 9021B = ISO 7093
800AE |

										Hardness Class 300 HV		
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	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	—	—

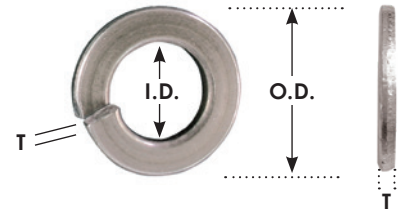
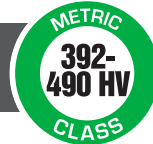
5908
Series**paulin® METRIC FENDER WASHERS**

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

740
Series

paulin METRIC LOCK WASHERS

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



METRIC 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 are used to prevent nuts and bolts from coming loose. 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

ZINC PLATED						Hardness Class 392 to 490 HV						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	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

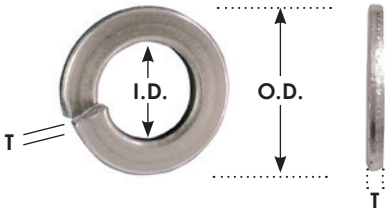


YELLOW ZINC PLATED						Hardness Class 430 to 530 HV						
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
4 mm	0.06	4.1	7.6	0.9	—	—	—	—	740-404	100	B740-404	12000
5 mm	0.10	5.1	9.2	1.2	—	—	—	—	740-405	100	B740-405	10000
6 mm	0.18	6.1	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 METRIC SPRING LOCK WASHERS

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

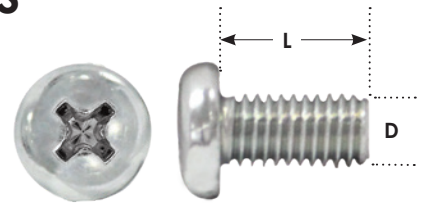


I.D. = Inside Diameter O.D. = Outside Diameter T = Thickness

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

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 mm	0.15	6.5	11.8	1.5-1.7	—	—	—	—	5909-014	50
8 mm	0.31	8.5	14.8	1.9-2.1	—	—	—	—	5909-016	50
10 mm	0.51	10.7	18.1	2.0-2.4	—	—	—	—	5909-018	50
12 mm	0.86	12.7	21.1	2.3-2.7	—	—	—	—	5909-022	25
16 mm	1.94	17.0	27.4	3.3-3.7	—	—	—	—	5909-024	5
20 mm	3.30	21.2	33.6	3.8-4.2	—	—	—	—	5909-026	5

024
Series**paulin** METRIC MACHINE SCREWSPART CLASS #
803AR | DIN 7985 = ISO 7045

MACHINE SCREWS are fully threaded fasteners with a uniform diameter the entire length of the shaft. Machine screws are also called stove bolts which have a blunt end and tend to be smaller in size. They are either fastened with a nut or driven into a tapped hole.

L = Length

D = Diameter

ORDER BY ITEM (PACKAGE) NUMBER**ISO Coarse Thread** Product not available in this pack size**ZINC PLATED**

Pan Phillips Head

Diameter: **M3-.50**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.21	—	—	024-398	82	—	—	—	—
10 mm	0.28	—	—	024-399	75	—	—	—	—
16 mm	0.32	—	—	024-400	62	—	—	—	—
20 mm	0.36	—	—	024-401	56	—	—	—	—
25 mm	0.39	—	—	024-402	48	—	—	—	—

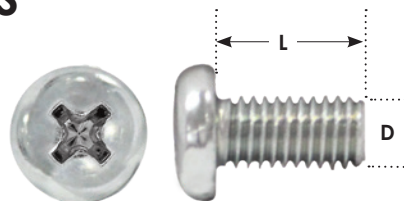
Diameter: **M4-.70**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.33	—	—	024-406	81	—	—	—	—
10 mm	0.41	—	—	024-407	74	—	—	—	—
12 mm	0.48	—	—	024-410	60	—	—	—	—
16 mm	0.55	—	—	024-411	55	—	—	—	—
20 mm	0.57	—	—	024-412	72	—	—	—	—
25 mm	0.63	—	—	024-413	47	—	—	—	—
30 mm	0.76	—	—	024-414	40	—	—	—	—
35 mm	0.84	—	—	024-415	25	—	—	—	—
40 mm	0.98	—	—	024-416	23	—	—	—	—
50 mm	1.18	—	—	024-417	20	—	—	—	—
60 mm	1.33	—	—	024-418	18	—	—	—	—

024
Series**paulin® METRIC MACHINE SCREWS**

PART CLASS #

803AR | DIN 7985 = ISO 7045



L = Length

D = Diameter

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size
ZINC PLATED

Pan Phillips Head

Diameter: **M5-.80**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.58	—	—	024-419	62	—	—	—	—
10 mm	0.69	—	—	024-420	54	—	—	—	—
12 mm	0.76	—	—	024-421	50	—	—	—	—
16 mm	0.83	—	—	024-426	45	—	—	—	—
20 mm	0.96	—	—	024-422	40	—	—	—	—
25 mm	1.11	—	—	024-423	35	—	—	—	—
30 mm	1.27	—	—	024-424	33	—	—	—	—
35 mm	1.35	—	—	024-425	30	—	—	—	—
40 mm	1.52	—	—	024-427	28	—	—	—	—
50 mm	1.86	—	—	024-428	25	—	—	—	—

Diameter: **M6-1.00**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	1.17	—	—	024-430	30	—	—	—	—
10 mm	1.23	—	—	024-432	30	—	—	—	—
16 mm	1.35	—	—	024-436	30	—	—	—	—
20 mm	1.56	—	—	024-440	27	—	—	—	—
25 mm	1.62	—	—	024-441	25	—	—	—	—
30 mm	1.91	—	—	024-442	23	—	—	—	—
35 mm	2.10	—	—	024-443	21	—	—	—	—
40 mm	2.33	—	—	024-444	18	—	—	—	—
50 mm	2.75	—	—	024-446	16	—	—	—	—

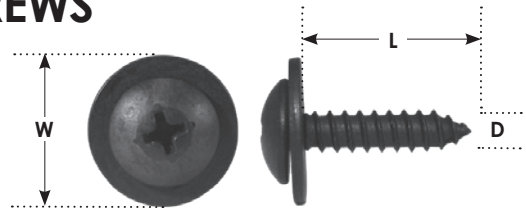
Diameter: **M8-1.25**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	2.46	—	—	024-448	24	—	—	—	—
30 mm	3.73	—	—	024-451	20	—	—	—	—
40 mm	5.94	—	—	024-453	15	—	—	—	—

230
Series

hpaulin[®] METRIC TAPPING SCREWS

PART CLASS #
803BQ
803BF



TAPPING SCREWS are ideal for all types of projects and can be used with all types of materials, including plastic, wood, and metal. Tapping screws tap their own thread and require a pilot hole slightly smaller than its diameter.

L = Length

D = Diameter

W = Width

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

 Product not available in this pack size

BLACK PHOSPHATE

Pan Phillips Head

Diameter: **M4.2-1.41**

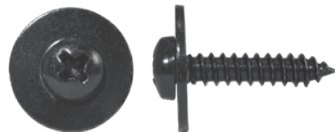
Length	Approx. Weight (lb) /100 pcs	W	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	1.00	16 mm	910-1270	3	—	—	230-623	100	—	—

Truss Phillips Head

Diameter: **M4.8-1.61**

Length	Approx. Weight (lb) /100 pcs	W	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
19 mm	1.09	16 mm	910-1275	3	—	—	230-619	100	—	—

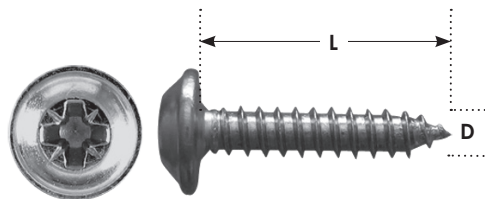
Images do not represent actual size



230-623



230-619

230
Series**paulin® METRIC TRIM SCREWS**PART CLASS #
803BQ
803BF

TRIM SCREWS are great for attaching automotive trim. These screws feature a washer under the head in order to provide a wider, more uniform load-bearing surface. Trim screws can also be used in HVAC, steel stud framing, gutters, and other indoor or outdoor projects.

L = Length**D** = Diameter**ORDER BY ITEM (PACKAGE) NUMBER****ISO Coarse Thread**

Product not available in this pack size

CHROME PLATED						Pan Pozidriv® Head			
Diameter: 4.2									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
13 mm	0.51	—	—	—	—	230-203	100	—	—
20 mm	0.51	—	—	—	—	230-205	100	—	—
20 mm	0.51	—	—	—	—	230-206	100	—	—

Oval Pozidriv® Head									
Diameter: 4.2									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	0.51	—	—	—	—	230-207	100	—	—

Round Washer Pozidriv® Head									
Diameter: 4.2									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
8 mm	0.32	—	—	—	—	230-301	100	—	—
12 mm	0.44	—	—	—	—	230-302	100	—	—
16 mm	0.45	—	—	—	—	230-304	100	—	—
20 mm	0.55	—	—	—	—	230-305	100	—	—

BLACK OXIDE						Round Washer Pozidriv® Head			
Diameter: 4.2									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	0.46	—	—	—	—	230-303	100	—	—
20 mm	0.46	910-1245	10	—	—	230-306	100	—	—

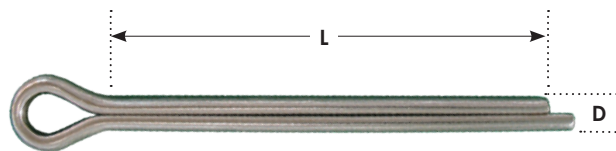
Images do not represent actual size

**230-203/230-205/230-206****230-207****230-301/230-302/230-204/230-305****230-303/230-306**

024
Series**paulin****METRIC COTTER PINS**

PART CLASS #

808AC | DIN 94 = ISO 1234



COTTER PINS are used to secure two items together with the use of a common hole. The bulbous head stops the pin from moving all the way through. To secure in place, bend the open tips using pliers. It is a fastener that is used to secure a bolt in place so it is less likely to loosen and come out. It is also a fastener used for locking the nuts onto the bolts

L = Length

D = Diameter

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

ZINC PLATEDDiameter: **M1.5**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	94	0.09	—	—	024-704	80	—	—	—	—

Diameter: **M2**

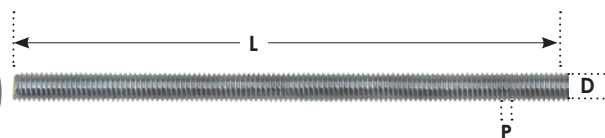
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	94	0.19	—	—	024-707	36	—	—	—	—

Diameter: **M3**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	94	0.45	—	—	024-710	40	—	—	—	—
40 mm	94	0.61	—	—	024-713	35	—	—	—	—

Diameter: **M4**

Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	94	1.16	—	—	024-716	16	—	—	—	—

141
Series**paulin** METRIC THREADED RODSPART CLASS #
811AI | DIN 975

THREADED RODS are great for hangers, anchor bolts, U-bolts, and clamps. Threaded rods have many applications, working as a pin to fasten or connect two materials together. Rods can be inserted into various materials like concrete, wood or metal either temporarily or permanently.

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

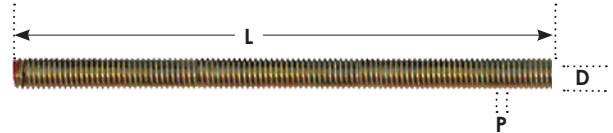
ZINC PLATED									
Diameter-Pitch: M6-1.00					Diameter-Pitch: M14-2.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
300 mm	975	10.00	141-606	1	1 metre	975	213.00	141-714	5
1 metre	975	40.00	141-706	10					
Diameter-Pitch: M8-1.25					Diameter-Pitch: M16-2.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
300 mm	975	10.00	141-608	1	1 metre	975	292.00	141-716	5
1 metre	975	70.00	141-708	10					
Diameter-Pitch: M10-1.50					Diameter-Pitch: M18-2.50				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
300 mm	975	30.00	141-610	1	1 metre	975	363.00	141-718	3
1 metre	975	110.00	141-710	10					
Diameter-Pitch: M12-1.75					Diameter-Pitch: M20-2.50				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
300 mm	975	40.00	141-612	1	1 metre	975	458.00	141-720	3
1 metre	975	140.00	141-712	5					
					Diameter-Pitch: M24-3.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975				1 metre	975	660.00	141-724	3

141
Series

paulin

METRIC THREADED RODS

PART CLASS #
811AI | DIN 975



L = Length

D = Diameter

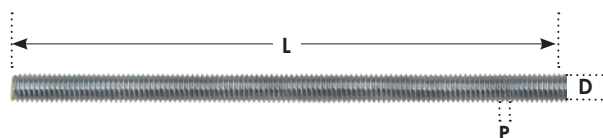
P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER
ISO Coarse Thread

— Product not available in this pack size

YELLOW ZINC PLATED

Diameter-Pitch: M6-1.00					Diameter-Pitch: M14-2.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	—	141-806	10	1 metre	975	—	141-814	5
Diameter-Pitch: M8-1.25					Diameter-Pitch: M16-2.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	70.00	141-808	10	1 metre	975	288.00	141-816	5
Diameter-Pitch: M10-1.50					Diameter-Pitch: M18-2.50				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	—	141-810	10	1 metre	975	—	141-818	3
Diameter-Pitch: M12-1.75					Diameter-Pitch: M20-2.50				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	160.00	141-812	5	1 metre	975	—	141-820	3
					Diameter-Pitch: M24-3.00				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	—	141-824	3	1 metre	975	—	141-824	3

5912
Series**hpaulin® METRIC THREADED RODS**PART CLASS #
811AJ | DIN 975

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

18.8 STAINLESS STEELDiameter-Pitch: **M5-.08**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	27.00	5912-310	1

Diameter-Pitch: **M12-1.75**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	160.00	5912-322	1

Diameter-Pitch: **M6-1.00**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	50.00	5912-314	1

Diameter-Pitch: **M16-2.00**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	295.00	5912-324	1

Diameter-Pitch: **M8-1.25**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	75.00	5912-316	1

Diameter-Pitch: **M20-2.50**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	470.00	5912-326	1

Diameter-Pitch: **M10-1.50**

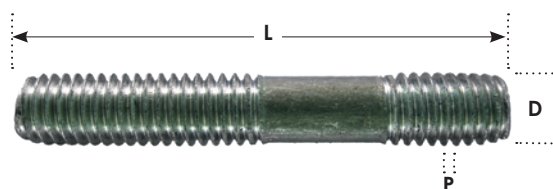
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	120.00	5912-318	1

Diameter-Pitch: **M24-3.00**

Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	665.00	5912-330	1

264
Series**paulin** METRIC ENGINE STUDS

PART CLASS #

802AT
802BA

ENGINE STUDS are a headless bolt that is threaded at both ends. An engine stud is used to insert one end into the head or block and then insert a nut or washer on the other end.

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread



Product not available in this pack size

ZINC PLATEDDiameter-Pitch: **M6-1.00**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	1.35	009-329	2	—	—	264-230	10	—	—

Diameter-Pitch: **M8-1.25**

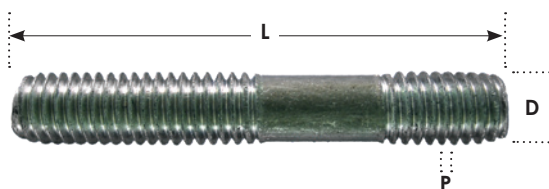
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
38 mm	2.75	009-330	2	—	—	264-338	10	—	—
40 mm	2.60	—	—	—	—	264-339	10	—	—
40 mm	2.75	—	—	—	—	264-640	10	—	—
46 mm	3.30	009-331	2	—	—	264-346	10	—	—
50 mm	3.95	009-332	2	—	—	264-348	10	—	—

Diameter-Pitch: **M10-1.50**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	4.55	—	—	—	—	264-449	10	—	—
50 mm	5.65	009-333	2	—	—	264-451	10	—	—
60 mm	6.70	—	—	—	—	264-454	10	—	—
62 mm	7.35	009-334	2	—	—	264-453	10	—	—

Diameter-Pitch: **M12-1.75**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	5.45	—	—	—	—	264-459	10	—	—

264
Series**paulin** METRIC ENGINE STUDSPART CLASS #
802AT
802BA

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Fine Thread

☐ Product not available in this pack size

ZINC PLATED

Diameter-Pitch: **M8-1.00**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	3.15	—	—	—	—	264-327	10	—	—

Diameter-Pitch: **M10-1.25**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	4.75	—	—	—	—	264-442	10	—	—
50 mm	5.85	—	—	—	—	264-450	10	—	—

Diameter-Pitch: **M12-1.50**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	5.40	—	—	—	—	264-460	10	—	—
40 mm	6.85	—	—	—	—	264-461	10	—	—

ISO Extra Fine Thread

Diameter-Pitch: **M12-1.25**

Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	8.75	—	—	—	—	264-462	10	—	—

paulin METRIC GARAGE ASSORTMENTS

GARAGE ASSORTMENTS are available in transparent plastic containers. You can see your stock of small fasteners—it is kept neat and handy. Your work bench is clear—yet the right fastener is available when you need it.

- Contains popular items
- Quantity of each item is based on popularity
- Each assortment contains only listed items—no “odds and ends”
- Refills of individual items available from standard stock
- A wide range of sizes for any repair job for a minimum investment
- Three Plastic Compartments — speed up selection



020-038

INCH & METRIC DRAIN PLUGS		
Part #	Size	Qty
263-710	1-1/2 - 20 STD	4
263-911	12 mm x 1.75 STD	3
263-914	14 mm x 1.5 STD	2
263-816	9/16 x 13/16	4
263-815	31/64 x 3/4	3
263-817	5/8 x 15/16	10
Contains 18 pcs, 6 sizes		



020-135

METRIC SPRING PINS		
Part #	Size	Qty
024-737	2.5 x 18	10
024-743	3 x 40	10
024-746	4 x 18	8
024-755	5 x 36	8
024-758	5 x 50	5
024-764	6 x 50	5
Contains 18 pcs, 6 sizes		



020-079

“U” NUTS		
Part #	Size	Qty
241-605	M4 x 0.7	4
241-607	M4 x 1.0 L	6
241-608	M4 x 1.25 L	8
241-609	M8 x 1.25	6
241-610	M8 x 1.5	6
Contains 30 Nuts, 5 sizes Multi-Thread		

paulin® METRIC UTILITY ASSORTMENTS

These practical assortments enable every garage and repair shop to carry a useful stock of popular fasteners.

- Every size in an individual compartment
- Sturdy, reinforced fibreboard display boxes with plastic trays
- Wide range of popular items at small cost
- Refills available from standard stock
- Suggested retail codes shown in lid
- Contents bright plated
- 5-1/2" w x 11-1/4" l x 1-1/2" d



020-425

CAP SCREWS & NUTS (FINE & EXTRA FINE THREAD)

Part #	Size	Qty
609-322	M8 x 40	10
610-374	M10 x 50	10
609-374	M10 x 50	10
610-418	M12 x 50	10
609-418	M12 x 50	10
670-208	M8 x 1	10
670-750	M10 x 1	10
670-210	M10 x 1.25	10
670-765	M12 x 1.25	10
670-212	M12 x 1.5	10

Contains 100 pcs, 10 sizes



020-426

CAP SCREWS & NUTS (COARSE THREAD)

Part #	Size	Qty
608-203	M5 x 20	5
608-272	M6 x 20	10
608-276	M6 x 30	10
608-316	M8 x 20	10
608-320	M8 x 30	15
608-322	M8 x 40	10
608-372	M10 x 40	15
608-416	M12 x 40	5
670-005	M5	5
670-006	M6	20
670-008	M8	35
670-010	M10	15
670-012	M12	5

Contains 160 pcs, 13 sizes

paulin® STAX-SIX CABINET

The modern method of stocking Master Assortments. Each steel STAX-SIX Cabinet holds six Master Assortments in its own rigid drawer slide.



Assortments not included

022-091

- Heavy gauge steel construction
- Baked black enamel finish
- Rigid drawer slide
- No-spill feature
- Size: 15-1/4" W
15-1/2" H
11-3/4" D

paulin® METRIC MASTER ASSORTMENTS

MASTER ASSORTMENTS are the best selection of products for all automotive, industrial and commercial end users. Six tray cabinet available for easier organization (022-091, p.89).

- Assortments are packed in a sturdy, metal container with high-strength, moulded plastic compartments and hinged lid
- Individual compartments separate items for quick selection
- Illustrations and retail price codes shown on grease-resistant lid label
- Curved, 'coin-drawer' bottom makes removal easy
- Refill available in standard packages or 'Papco®' Handy-Paks®
- Carrying handle and safety snap lock for greater convenience
- Merchandiser size: 9-3/4" w x 13-3/4" l x 2" d



020-728

020-630

DRAIN PLUGS & GASKETS		
Part #	Size	Qty
263-710	1/2-20	5
263-718	1/2-20	5
263-912	12 mm x 1.25	5
263-913	12 mm x 1.25	5
263-911	12 mm x 1.75 STD	5
263-875	12 mm x 25 mm	25
263-870	14 mm x 20 mm	25
263-917	14 mm x .5	5
263-914	14 mm x 1.5 STD	5
263-885	15/32 x 15/16 x .078	25
263-869	15/32 x 7/8 x .080	25
263-844	17/32 x 3/4 x .080	25
263-876	17/32 x 31/32	25
263-856	19/32 (14 mm)	25
263-815	31/64 x 3/4	25
263-817	5/8	25
263-816	9/16	25
263-908	M12 x 1.75	5
263-919	M12 x 1.75	5
263-929	M12 x 1.75	5
263-923	M14 x 1.5	5
263-925	M14 x 1.5	5

Contains 126 pcs, 22 sizes

020-658

WHEEL BOLTS & NUTS		
Part #	Size	Qty
560-103	1/2-20R x 1-1/2	5
560-114	7/16-20R x 1-1/2	5
560-138	1/2-20R x 1-5/8	5
560-148	1/2-20R x 1-13/16	5
560-155	1/2-20R x 1-5/8	5
560-167	1/2-20R x 1-15/16	5
560-172	1/2-20R x 1-7/8	5
560-173	1/2-20R x 1-3/4	5
560-386	7/16-20R x 15/16	5
561-108	M12-1.5R x 38.5 mm	5
561-109	M12-1.5R x 40 mm	5
561-110	M12-1.5R x 43 mm	10
561-122	M12-1.5R x 36 mm	5
561-154	M12-1.5R x 36 mm	5
561-248	M12-1.5R x 43 mm	5
561-251	M12-1.5R x 51 mm	5
558-014	7/16-20R REG	10
558-016	1/2-20R REG	10
558-027	1/2-20R REG	10
559-150	M12-1.5 REG	10

Contains 125 pcs, 20 sizes

020-661

CHROME TRIM SCREWS		
Part #	Size	Qty
229-806	6 x 3/4	15
229-811	8 x 3/4	40
229-815	8 x 1	40
229-819	8 x 1-1/4	20
229-833	10 x 3/4	30
229-837	10 x 1	20
229-985	8 x 3/4	20
229-986	8 x 1	5
230-203	4.2 x 13 mm	5
230-205	4.2 x 20 mm	10
230-206	4.2 x 20 mm	10
230-207	4.2 x 20 mm	10
230-301	4.2 x 8 mm	30
230-302	4.2 x 12 mm	30
230-304	4.2 x 12 mm	30
230-305	4.2 x 20 mm	15

Contains 350 pcs, 16 sizes

paulin METRIC MASTER ASSORTMENTS

020-666

EXPANSION PLUGS		
Part #	Size	Qty
261-024	24 mm	10
261-046	35 mm	10
261-090	52 mm	10
261-105	12 mm	10
261-107	14 mm	10
261-126	25 mm	10
261-138	30 mm	10
261-145	34 mm	10
261-146	35 mm	10
261-161	40 mm	10
261-165	41 mm	10
261-170	42.3 mm	10
261-177	45 mm	10
261-181	47 mm	10
261-184	49.5 mm	10
261-185	50 mm	10
Contains 120 pcs, 16 sizes Standard & Cup Types		

020-674

'PALNUT' FASTENERS		
Part #	Size	Qty
242-016	5/16-24	13
242-018	3/8-24	10
242-108	8-32	13
242-110	10-24	20
242-114	1/4-20	20
242-206	5/16- 8	10
242-208	1/8	8
242-210	5/32	8
242-214	3/16	15
242-216	1/4	13
242-314	5/16	10
242-316	1/4	15
242-318	5/16	15
242-406	3/8	15
242-408	5/32	10
242-410	3/16	10
242-413	.240	15
243-004	M4	10
243-106	M6	10
243-204	4 mm	13
243-306	M6	13
243-308	M8	13
243-310	M10	10
243-404	M4	13
243-405	M5	10
Contains 325 pcs, 26 sizes		

020-685

GREASE FITTINGS		
Part #	Size	Qty
904-610	1/8 NPT	25
904-612	1/8 NPT	25
904-613	1/8 NPT	25
904-688	1/8 NPT	25
904-636	1/4-28	25
904-641	1/4-28	25
904-652	1/4-28	25
904-691	1/4-28	25
904-701	6 mm x 1.0	25
904-745	6 mm x 1.0	25
904-790	6 mm x 1.0	25
904-702	8 mm x 1.0	10
904-746	8 mm x 1.0	10
904-791	8 mm x 1.0	10
904-703	10 mm x 1.0	10
904-747	10 mm x 1.0	10
904-792	10 mm x 1.0	10
Contains 160 pcs, 16 sizes Inch & Metric Fittings		

020-692

BUMPER BAR BOLTS		
Part #	Size	Qty
240-614	1/4-20	5
240-615	1/4-20	5
240-616	5/16-18	10
240-617	5/18-18	5
240-618	3/8-16	5
240-619	3/8-16	10
240-706	#6	2
240-708	#8	2
240-709	#8	3
240-710	#10	3
240-714	#14	3
240-715	#14	2
241-604	M4 x .7	2
241-605	M4 x .7	3
241-606	M6 x 1.0	5
241-607	M6 x 1.0	5
241-608	M8 x 1.25	10
241-609	M8 x 1.25	10
241-610	M10 x 1.5	5
241-612	M6.3 x 1.0	5
Contains 100 pcs, 26 sizes		

020-693

"PLASTI-RIVETS"		
Part #	Size	Qty
247-300	6.3 mm x 10 mm	10
247-301	6.3 mm x 6 mm	10
247-302	6.3 mm x 10 mm	10
247-303	6.6 mm x 5 mm	10
247-304	6.6 mm x 5 mm	10
247-305	5 mm x 4.5 mm	10
247-306	5 mm x 10 mm	10
247-307	GM	10
247-401	GM	5
247-402	GM	5
247-403	GM	5
247-405	GM, FORD	5
247-406	GM	5
247-407	GM	5
247-411	FORD	5
247-462	FORD	10
247-464	FORD	5
247-466	FORD	10
247-467	FORD	5
247-468	M6.3 x 1.0	5
Contains 120 pcs, 20 sizes		

020-725

CAP SCREWS & NUTS		
Part #	Size	Qty
608-139	M4 x 16	25
608-198	M5 x 12	25
608-201	M5 x 16	30
608-203	M5 x 20	30
608-205	M5 x 25	25
608-267	M6 x 12	20
608-270	M6 x 16	25
608-272	M6 x 20	25
608-274	M6 x 25	25
608-276	M6 x 30	15
608-277	M6 x 35	5
608-279	M6 x 45	5
670-004	M4	25
670-005	M5	110
670-006	M6	112
700-004	M4	20
700-005	M5	20
700-006	M6	20
Contains 562 pcs, 18 sizes		

020-695

10.9 FLANGE HEX BOLT IFI STD ZINC		
Part #	Size	Qty
611-270	M6 x 1.0 x 16	10
611-274	M6 x 1.0 x 25	10
611-276	M6 x 1.0 x 30	10
611-278	M6 x 1.0 x 40	10
611-316	M8 x 1.25 x 20	10
611-318	M8 x 1.25 x 25	10
611-322	M8 x 1.25 x 40	5
611-324	M8 x 1.25 x 50	5
611-326	M8 x 1.25 x 60	5
611-366	M10 x 1.25 x 20	5
611-368	M10 x 1.25 x 25	5
611-370	M10 x 1.25 x 30	5
611-371	M10 x 1.25 x 35	5
611-372	M10 x 1.25 x 40	5
611-373	M10 x 1.25 x 45	5
611-374	M10 x 1.25 x 50	5
611-376	M10 x 1.25 x 60	5
244-986	M6 x 1.0	25
244-987	M8 x 1.25	25
244-998	M10 x 1.25	25
Contains 190 pcs, 20 sizes		

020-726

CAP SCREWS & NUTS		
Part #	Size	Qty
608-311	M8 x 12	8
608-314	M8 x 16	9
608-316	M8 x 20	10
608-318	M8 x 25	10
608-320	M8 x 30	8
608-322	M8 x 40	6
608-324	M8 x 50	4
608-326	M8 x 60	3
608-328	M8 x 70	3
608-370	M10 x 30	6
608-372	M10 x 40	6
608-374	M10 x 50	4
608-376	M10 x 60	3
608-378	M10 x 70	3
670-008	M8	61
670-010	M10	22
700-008	M8	10
700-010	M10	10
Contains 186 pcs, 18 sizes		

paulin METRIC MASTER ASSORTMENTS

020-727

FLAT, SPRING & LOCK WASHERS		
Part #	Size	Qty
730-004	4 mm	100
730-005	5 mm	100
730-006	6 mm	100
730-008	8 mm	75
730-010	10 mm	50
740-004	4 mm	100
740-005	5 mm	100
740-006	6 mm	125
740-008	8 mm	75
740-010	10 mm	50
024-324	M4	25
024-325	M5	25
024-326	M6	25
024-328	M8	25
024-330	M10	25

Contains 1000 pcs, 15 sizes

020-729

COTTER PINS & SLOTTED SPRING PINS		
Part #	Size	Qty
024-704	M1.5 x 16 CP	150
024-707	M2 x 20 CP	200
024-710	M3 x 25 CP	100
024-713	M3 x 40 CP	150
024-716	M4 x 50 CP	75
024-734	M2 x 16 SP	20
024-737	M2.5 x 18 SP	20
024-740	M3 x 24 SP	20
024-743	M3 x 40 SP	15
024-746	M4 x 18 SP	20
024-749	M4 x 36 SP	15
024-752	M4 x 50 SP	10
024-755	M5 x 36 SP	15
024-758	M5 x 50 SP	10
024-761	M6 x 22 SP	10
024-764	M6 x 50 SP	5

Contains 562 pcs, 18 sizes

020-728

SOCKET SET SCREWS & KEYS		
Part #	Size	Qty
024-981	M2	1
024-982	M2.5	1
024-983	M3	1
024-984	M4	1
024-204	M4	40
024-205	M5	40
024-206	M6	60
024-406	M4 x 6	20
024-412	M4 x 12	20
024-420	M5 x 10	20
024-426	M5 x 16	20
024-430	M6 x 10	20
024-436	M6 x 16	20
024-440	M6 x 20	20
024-904	M4 x 5	10
024-907	M4 x 10	10
024-910	M5 x 10	10
024-913	M5 x 16	10
024-916	M6 x 8	10
024-919	M6 x 12	10
024-922	M6 x 20	10
024-926	M8 x 8	10
024-930	M8 x 12	10
024-934	M8 x 20	10

Contains 384 pcs, 24 sizes

020-730

CAP SCREWS & NUTS (FINE & EXTRA FINE THREAD)		
Part #	Size	Qty
610-366	M10 x 1.0 x 20 mm	4
610-368	M10 x 1.0 x 25 mm	4
610-372	M10 x 1.0 x 40 mm	4
610-374	M10 x 1.0 x 50 mm	4
610-414	M12 x 1.25 x 30 mm	3
610-416	M12 x 1.25 x 40	3
610-418	M12 x 1.25 x 50 mm	3
670-750	M10 x 1	16
670-765	M12 x 1.25	9
609-320	M8 x 1.0 x 30 mm	5
609-324	M8 x 1.0 x 50 mm	5
609-368	M10 x 1.25 x 25 mm	5
609-370	M10 x 1.25 x 30 mm	5
609-372	M10 x 1.25 x 40 mm	5
609-374	M10 x 1.25 x 50 mm	5
609-416	M12 x 1.5 x 40 mm	5
609-418	M12 x 1.5 x 50 mm	5
670-208	M8 x 1	10
670-210	M10 x 1.25	20
670-212	M12 x 1.5	10

Contains 120 pcs, 20 sizes

paulin® METRIC SUPER SERVICE ASSORTMENTS

SUPER SERVICE ASSORTMENTS are perfect for Dealers, Jobbers and large users. These popular assortments have a wide range of carefully selected items in balanced quantities.

020-834

BODY BOLT & NUTS ASSORTMENT		
Part #	Size	Qty
240-614	1/4-20	20
240-616	5/16-18	20
240-617	5/16-18 L	25
240-618	3/8-16 L	10
240-708	#8	12
240-709	#8 L	20
240-710	#10	10
241-606	M6 x 1.00	20
241-607	M6 x 1.00 L	12
241-608	M8 x 1.25 L	10
241-609	M8 x 1.25	10
245-322	M6 x 22 mm	10
245-400	M4.2 x 20	20
245-407	M6 x 1.00 x 25	25
245-440	M8 x 1.25 x 30	15
245-525	M8 x 25 mm	10
245-610	1/4-20 x 1-1/4	8
245-615	5/16-18 x 7/8	20
245-616	5/16-18 x 1	30
245-620	3/8-16 x 1	10
245-630	3/8-16 x 1-1/2	10

Contains 327 pcs, 21 sizes

020-836



020-836

JIS 10.9 METRIC FLANGE BOLT & NUTS ASSORTMENT		
Part #	Size	Qty
611-270	M6 x 1.00 x 16 mm	8
611-272	M6 x 1.00 x 20 mm	8
611-274	M6 x 1.00 x 25 mm	8
611-276	M6 x 1.00 x 30 mm	8
611-278	M6 x 1.00 x 40 mm	4
611-314	M8 x 1.25 x 16 mm	6
611-316	M8 x 1.25 x 20 mm	6
611-318	M8 x 1.25 x 25 mm	6
611-320	M8 x 1.25 x 30 mm	6
611-321	M8 x 1.25 x 35 mm	4
611-322	M8 x 1.25 x 40 mm	4
611-324	M8 x 1.25 x 50 mm	4
611-326	M8 x 1.25 x 60 mm	4
611-366	M10 x 1.25 x 20 mm	4
611-370	M10 x 1.25 x 30 mm	4
611-372	M10 x 1.25 x 40 mm	4
611-374	M10 x 1.25 x 50 mm	4
244-996	Metric Flange Nut M6 x 1.00	30
244-997	Metric Flange Nut M8 x 1.25	30
244-998	Metric Flange Nut M10 x 1.25	30

Contains 182 pcs, 20 sizes

paulin® METRIC SUPER SERVICE ASSORTMENTS

020-840

METRIC EXPANSION PLUGS		
Part #	Size	Qty
261-014	18 mm	4
261-024	24 mm	6
261-026	25 mm	4
261-046	35 mm	10
261-064	40 mm	4
261-090	52 mm	6
261-103	11 mm	5
261-107	14 mm	5
261-109	15 mm	4
261-114	18 mm	4
261-117	20 mm	4
261-124	24 mm	6
261-126	25 mm	8
261-132	28 mm	5
261-138	30 mm	4
261-145	34 mm	12
261-146	35 mm	4
261-149	36 mm	4
261-150	36.5 mm	4
261-155	38 mm	8
261-161	40 mm	12
261-165	41 mm	16
261-177	45 mm	5
261-181	47 mm	4
261-184	49.5 mm	6
261-185	50 mm	16
261-186	50 mm	5
261-188	51 mm	5
Contains 180 pcs, 28 sizes		

020-842

METRIC CAP SCREWS & NUTS		
Part #	Size	Qty
608-198	M5-0.80 x 12	15
608-201	M5-0.80 x 16	15
608-203	M5-0.80 x 20	15
608-205	M5-0.80 x 25	15
608-267	M6-1.00 x 12	25
608-270	M6-1.00 x 16	15
608-272	M6-1.00 x 20	25
608-274	M6-1.00 x 25	15
608-276	M6-1.00 x 30	10
608-277	M6-1.00 x 35	10
608-279	M6-1.00 x 45	10
608-311	M8-1.25 x 12	20
608-314	M8-1.25 x 16	15
608-316	M8-1.25 x 20	20
608-318	M8-1.25 x 25	15
608-320	M8-1.25 x 30	10
608-322	M8-1.25 x 40	8
608-323	M8-1.25 x 45	8
608-324	M8-1.25 x 50	8
608-326	M8-1.25 x 60	7
608-368	M10-1.50 x 25	15
608-370	M10-1.50 x 30	10
608-371	M10-1.50 x 35	15
608-372	M10-1.50 x 40	8
608-373	M10-1.50 x 45	8
608-374	M10-1.50 x 50	8
608-376	M10-1.50 x 60	8
608-378	M10-1.50 x 70	7
670-005	M5-0.80	25
670-006	M6-1.00	50
670-008	M8-1.25	50
670-010	M10-1.50	50
Contains 535 pcs, 32 sizes		



Assortments or
Assortment Drawers
NOT included.

022-093

- Each Papco® Stax-Four Cabinet holds four Super-Service Assortments
- Welded steel construction
- Rigid drawer slide
- Baked black enamel finish
- No-spill feature

Size: 20" W
14-1/2" H
15-3/4" D

paulin® METRIC ASSORTMENTS



022KIT-02 assortment contains 3,315 pieces of our most popular 8.8 metric hex head cap screws, nuts and washers. All products are zinc plated. The assortment also includes a metal merchandiser 022-019 and labels to help identify your stock for easy reorder. The product assortment and labels are available without a merchandiser, 022KIT-02R.

022KIT-02

8.8 HEX HEAD CAP SCREWS, NUTS, WASHERS ASSORTMENT		
Part #	Size	Qty
608-267	M6-1.00 x 12	100
608-274	M6-1.00 x 25	100
608-277TFL	M6-1.00 x 35	25
608-280	M6-1.00 x 50	25
608-316	M8-1.25 x 20	100
608-318	M8-1.25 x 25	100
608-321	M8-1.25 x 35	25
608-324	M8-1.25 x 50	100
608-326	M8-1.25 x 60	25
608-366	M10-1.50 x 20	25
608-368	M10-1.50 x 25	50
608-371	M10-1.50 x 35	50
608-374	M10-1.50 x 50	25
608-376	M10-1.50 x 60	25
608-378	M10-1.50 x 70	25
608-382	M10-1.50 x 100	10
608-412	M12-1.75 x 25	25
608-415	M12-1.75 x 35	25
608-418	M12-1.75 x 50	25
608-420	M12-1.75 x 60	25
608-422	M12-1.75 x 70	25
608-426	M12-1.75 x 100	10
608-465	M16-2.00 x 35	10
608-468	M16-2.00 x 50	10
608-470	M16-2.00 x 60	10
608-472	M16-2.00 x 70	10
608-476	M16-2.00 x 100	10
608-520	M20-2.50 x 40	5
608-522	M20-2.50 x 50	5
608-524	M20-2.50 x 60	5
608-526	M20-2.50 x 70	5
608-530	M20-2.50 x 100	5
670-006	M6-1.00	200
670-008	M8-1.25	300
670-010	M10-1.50	200
670-012	M12-1.75	50
670-016	M16-2.00	25
670-020	M20-2.50	20

FLAT WASHERS, 200HV		
Part #	Size	Qty
730-006	6 mm	200
730-008	8 mm	200
730-010	10 mm	200
730-012	12 mm	100
730-016	16 mm	25
730-020	20 mm	25

LOCK WASHERS, 392-490HV		
Part #	Size	Qty
740-006	6 mm	200
740-008	8 mm	200
740-010	10 mm	200
740-012	12 mm	100
740-016	16 mm	25
740-020	20 mm	25

Contains 3,315 pcs, 50 sizes

Bin included



PRODUCT & LABEL REFILL ONLY

022KIT-02R

Bin Not Included
Stickers Included



72 Compartments

paulin METRIC ASSORTMENTS



022KIT-03 assortment contains 3,315 pieces of our most popular 10.9 metric hex head cap screws, nuts and washers. All products are zinc plated. The assortment also includes a metal merchandiser 022-019 and labels to identify your stock for easy reorder. The product assortment and labels are available without a merchandiser, 022KIT-03R.

022KIT-03

10.9 HEX HEAD CAP SCREWS, NUTS, WASHERS ASSORTMENT		
Part #	Size	Qty
613-267	M6-1.00 x 12	100
613-274	M6-1.00 x 25	100
613-277	M6-1.00 x 35	25
613-280	M6-1.00 x 50	25
613-316	M8-1.25 x 20	100
613-318	M8-1.25 x 25	100
613-321	M8-1.25 x 35	25
613-324	M8-1.25 x 50	100
613-326	M8-1.25 x 60	25
613-366	M10-1.50 x 20	25
613-368	M10-1.50 x 25	50
613-371	M10-1.50 x 35	50
613-374	M10-1.50 x 50	25
613-376	M10-1.50 x 60	25
613-378	M10-1.50 x 70	25
613-382	M10-1.50 x 100	10
613-412	M12-1.75 x 25	25
613-415	M12-1.75 x 35	25
613-418	M12-1.75 x 50	25
613-420	M12-1.75 x 60	25
613-422	M12-1.75 x 70	25
613-426	M12-1.75 x 100	10
613-465	M16-2.00 x 35	10
613-468	M16-2.00 x 50	10
613-470	M16-2.00 x 60	10
613-472	M16-2.00 x 70	10
613-476	M16-2.00 x 100	10
613-520	M20-2.50 x 40	5
613-522	M20-2.50 x 50	5
613-524	M20-2.50 x 60	5
613-526	M20-2.50 x 70	5
613-530	M20-2.50 x 100	5
672-006	M6-1.00	200
672-008	M8-1.25	300
672-010	M10-1.50	200
672-012	M12-1.75	50
672-016	M16-2.00	25
672-020	M20-2.50	20

FLAT WASHERS, 300HV

Part #	Size	Qty
730-406	6 mm	200
730-408	8 mm	200
730-410	10 mm	200
730-412	12 mm	100
730-416	16 mm	25
730-420	20 mm	25

LOCK WASHERS, 430-530HV

Part #	Size	Qty
740-406	6 mm	200
740-408	8 mm	200
740-410	10 mm	200
740-412	12 mm	100
740-416	16 mm	25
740-420	20 mm	25

Contains 3,315 pcs, 50 sizes

Bin included



PRODUCT & LABEL REFILL ONLY

022KIT-03R

Bin Not Included
Stickers Included



72 Compartments

paulin® METRIC ASSORTMENTS

022-603 assortment contains 2,270 pieces of our most popular 10.9 Metric JIS 1189 Serrated Flange Bolts, 10.9 Flange Bolts, 8.8 Cap Screws with Captive Washer, Class 8 and 10 Nuts and Washers. All products are zinc plated. The assortment also includes a metal merchandiser 022-017 and labels to identify your stock for easy reorder.

022-603

10.9 FLANGE BOLTS SERRATED JIS B1189		
Part #	Size	Qty
611-267	M6-1.00 x 12	25
611-274	M6-1.00 x 25	25
611-276	M6-1.00 x 30	25
611-278	M6-1.00 x 40	25
611-316	M8-1.25 x 20	25
611-318	M8-1.25 x 25	25
611-321	M8-1.25 x 35	25
611-324	M8-1.25 x 50	25
611-326	M8-1.25 x 60	25
611-366	M10-1.25 x 20	25
611-368	M10-1.25 x 25	25
611-371	M10-1.25 x 35	25
611-374	M10-1.25 x 50	25
611-376	M10-1.25 x 60	25
611-378	M10-1.25 x 70	25
611-412	M12-1.75 x 25	20
611-415	M12-1.75 x 35	20
611-418	M12-1.75 x 50	20

10.9 HEX HEAD CAP SCREWS DIN933		
Part #	Size	Qty
613-370	M10-1.50 x 30	50
613-371	M10-1.50 x 35	50
613-372	M10-1.50 x 40	50
613-374	M10-1.50 x 50	50

8.8 HEX CAP SCREWS WITH CAPTIVE WASHERS		
Part #	Size	Qty
615-460	M5-0.80 x 25	40
615-512	M6-1.00 x 30	20
615-514	M6-1.00 x 35	20
615-568	M8-1.25 x 45	15
615-570	M8-1.25 x 50	15

CLASS 10 HEX FLANGE NUTS SERRATED		
Part #	Size	Qty
611-906	M6-1.00	200
611-908	M8-1.25	200
611-910	M10-1.50	200
611-912	M12-1.75	200

FREE SPINNING WASHER NUTS		
Part #	Size	Qty
244-952	M5 - 0.80	50

CLASS 10 FLANGE NUTS SERRATED JIS		
Part #	Size	Qty
244-996	M6-1.00	25
244-997	M8-1.25	25
244-998	M10-1.50	25

CLASS 8 HEX NUTS		
Part #	Size	Qty
670-010	M10-1.50	200

FLAT WASHERS, 200HV		
Part #	Size	Qty
730-010	10 mm	200

LOCK WASHERS		
Part #	Size	Qty
740-010	10 mm	200
Contains 2,270 pcs, 38 sizes		



ASSORTMENTS

Bin included



PRODUCT & LABEL REFILL ONLY

022-603R

Bin Not Included
Stickers Included

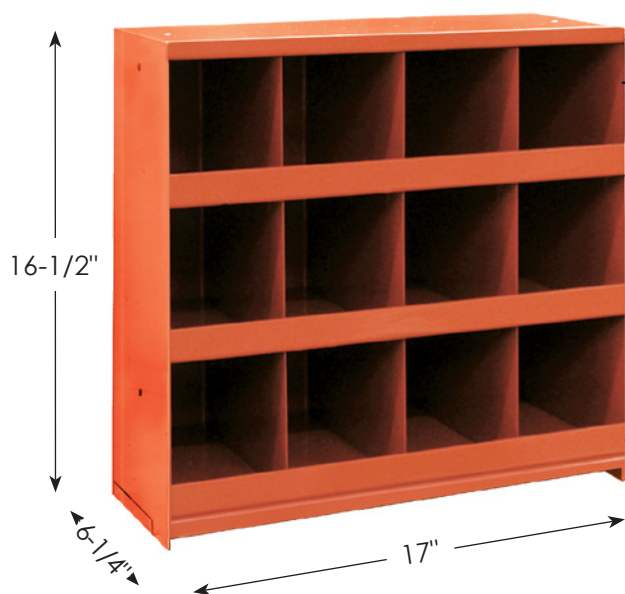


40 Compartments

paulin[®] METRIC MERCHANDISERS

Store your cap screws, washers, nuts and other fasteners or fittings in these heavy duty, all-steel Papco[®] Bolt Bins. Products will be easy to find – your stock is kept clean, neat and organized.

- Sturdy, heavy gauge, reinforced steel
- Welded construction
- Safety bin lips avoid spillage
- Baked finish
- Use on floor, work bench or hang on the wall depending on size of merchandiser
- Optional steel base 022-027 Base, 4" high black finish

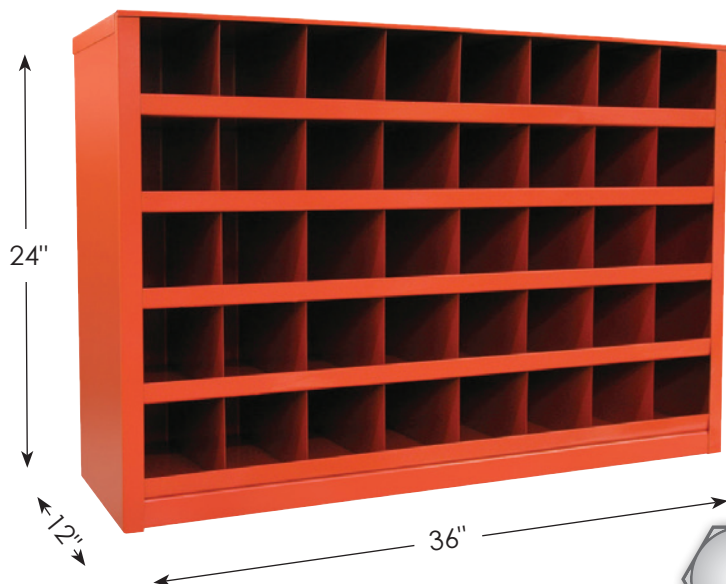


022-020 (Empty)

- 12 Compartments
- Compartment Size:
4-1/4" x 5-1/2" x 6-1/4"
- Overall Dimensions:
17" W x 16-1/2" H x 6-1/4" D
- Shipping Weight:
7 lbs
- The modular design allows you to mount additional bins to the top, bottom or sides



12 Compartments

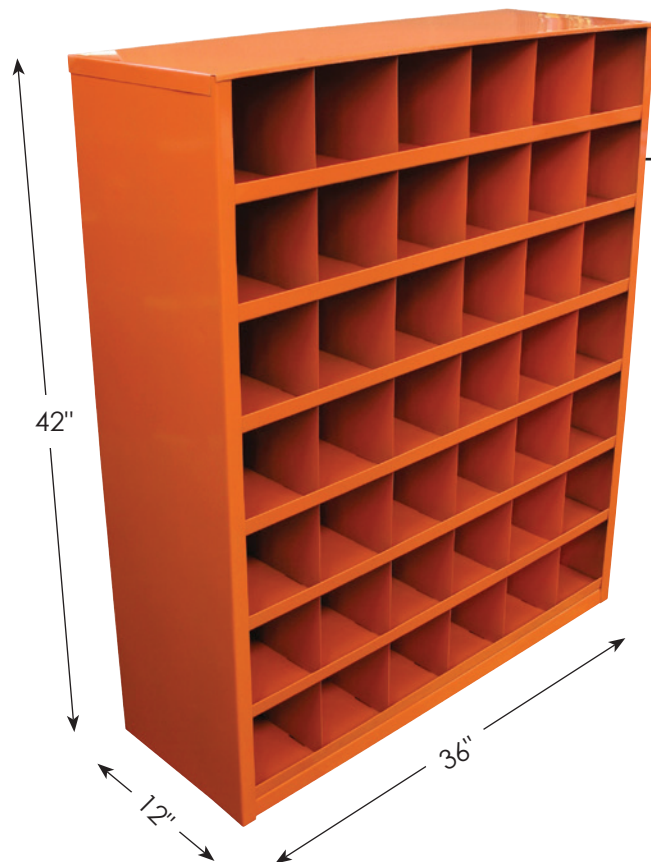


022-017 (Empty)

- 40 Compartments
- Compartment Size:
4-1/2" x 4-1/2" x 12"
- Overall Dimensions:
36" W x 24" H x 12" D
- Shipping Weight:
50 lbs



40 Compartments

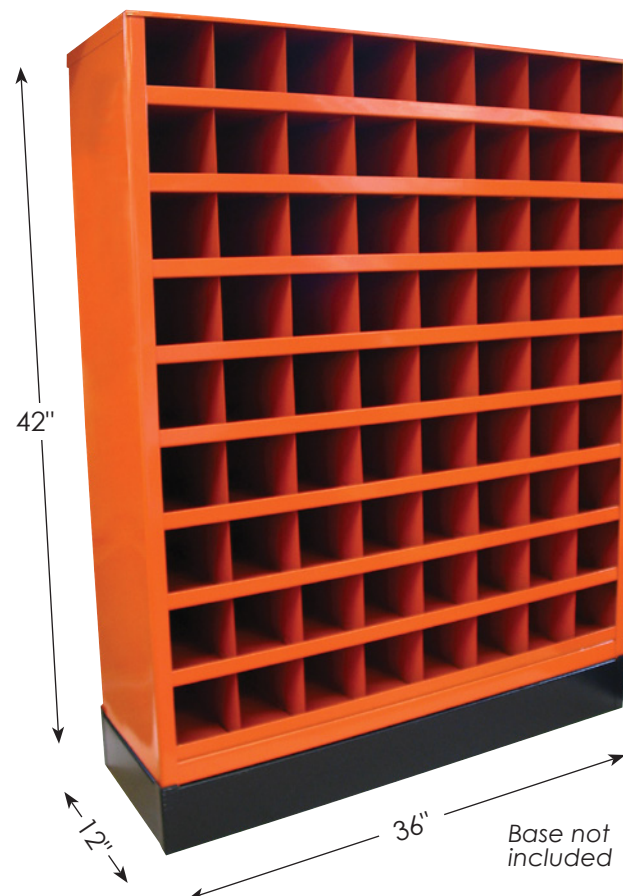


022-018 (Empty)

- 42 Compartments
- Compartment Size: 5-3/8" x 5-7/16" x 12"
- Overall Dimensions: 36" W x 42" H x 12" D
- Shipping Weight: 70 lbs



42 Compartments



022-019 (Empty)

- 72 Compartments
- Compartment Size: 4-1/2" x 4-1/2" x 12"
- Overall Dimensions: 36" W x 42" H x 12" D
- Shipping Weight: 80 lbs



72 Compartments

paulin METRIC HANDY-PAKS® MERCHANDISERS

HANDY-PAKS® are uniformed priced packages of fast moving hardware items. They contain the most popular sizes of bolts, nuts, screws and washers as well as the best sizes of replacement parts. The available merchandisers are designed to give maximum coverage for a minimum investment.

HANDY-PAKS®

- All Bright Plated Material
- No Broken Boxes
- Good For Regular Stock
- Ideal For Assortment Refills
- Best Value
- Fully Illustrated, Colour-Coded Labels



022-062

METRIC ISO FINE THREAD MERCHANDISER

35 sizes of Metric Fine and Extra Fine Cap Screws, Nuts and Lock Washers.

CAP SCREWS (FINE THREAD)		
Part #	Size	Qty
024-120	M8 x 20	7
024-122	M8 x 30	7
024-124	M8 x 40	6
024-126	M8 x 50	5
024-130	M10 x 20	4
024-131	M10 x 25	3
024-132	M10 x 30	3
024-134	M10 x 40	3
024-136	M10 x 50	3
024-138	M10 x 60	2
024-144	M12 x 30	3
024-146	M12 x 40	2
024-148	M12 x 50	2

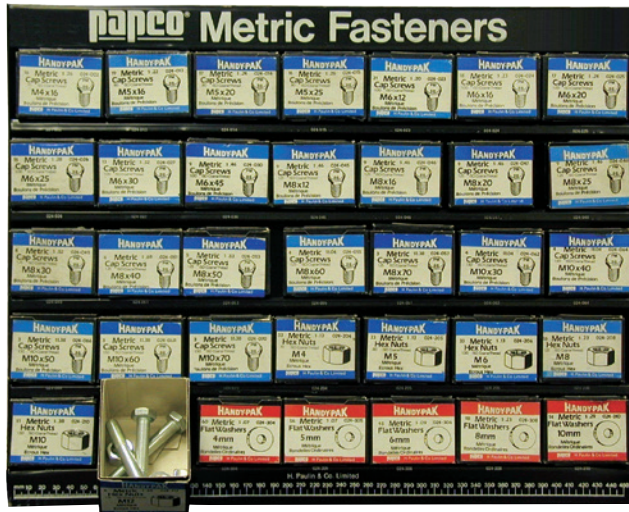
CAP SCREWS (EXTRA FINE THREAD)		
Part #	Size	Qty
024-170	M10 x 20	4
024-171	M10 x 25	3
024-172	M10 x 30	3
024-174	M10 x 40	3
024-176	M10 x 50	3
024-184	M12 x 30	2
024-186	M12 x 40	2
024-188	M12 x 50	2

HEX NUTS (FINE THREAD)		
Part #	Size	Qty
024-170	M10 x 20	4
024-171	M10 x 25	3
024-172	M10 x 30	3

HEX NUTS (FINE THREAD)		
Part #	Size	Qty
024-170	M10 x 20	4
024-171	M10 x 25	3

CAP SCREWS (EXTRA FINE THREAD)		
Part #	Size	Qty
024-120	M8 x 20	7
024-122	M8 x 30	7
024-124	M8 x 40	6
024-126	M8 x 50	5
024-130	M10 x 20	4
024-131	M10 x 25	3

Contains 436 pcs, includes merchandiser



14-3/4" H x 18-1/2" W

HANDY-PAKS® Merchandiser included in:

022-062/022-065

- Sturdy, heavy gauge, reinforced steel cabinet
- Use on work bench or hang on wall

022-065

METRIC ISO COARSE THREAD MERCHANDISER

35 best sizes of Metric Coarse Thread Cap Screws, Nuts and Washers.

CAP SCREWS (ISO COARSE THREAD)		
Part #	Size	Qty
024-002	M4 x 16	16
024-013	M5 x 16	19
024-014	M5 x 20	17
024-015	M5 x 25	16
024-023	M6 x 12	21
024-024	M6 x 16	18
024-025	M6 x 20	17
024-026	M6 x 25	15
024-027	M6 x 30	13
024-030	M6 x 45	9
024-045	M8 x 12	9
024-046	M8 x 16	9
024-047	M8 x 20	9
024-048	M8 x 25	9
024-049	M8 x 30	8
024-051	M8 x 40	6
024-053	M8 x 50	5
024-055	M8 x 60	4
024-057	M8 x 70	3
024-062	M10 x 30	4
024-064	M10 x 40	4
024-066	M10 x 50	3
024-068	M10 x 60	3
024-070	M10 x 70	3

FLAT WASHERS		
Part #	Size	Qty
024-304	4 mm	60
024-305	5 mm	56
024-306	6 mm	45
024-308	8 mm	18
024-310	10 mm	14

HEX NUTS (COARSE THREAD)		
Part #	Size	Qty
024-204	M4	33
024-205	M5	33
024-206	M6	33
024-208	M8	18
024-210	M10	11
024-212	M12	6
Contains 567 pcs, includes merchandiser		

paulin® METRIC HANDY-PAKS® MERCHANDISERS

022-068

CAP SCREWS - ISO COARSE			
Part #	Size	Pcs/Pk	Packs
024-002	M4 x 16	16	2
024-004	M4 x 25	11	2
024-012	M5 x 12	25	2
024-013	M5 x 16	19	2
024-014	M5 x 20	17	2
024-015	M5 x 25	16	2
024-023	M6 x 12	21	2
024-024	M6 x 16	18	4
024-025	M6 x 20	17	8
024-026	M6 x 25	15	8
024-027	M6 x 30	13	4
024-028	M6 x 35	10	4
024-029	M6 x 40	10	4
024-030	M6 x 45	9	2
024-031	M6 x 50	9	2
024-045	M8 x 12	9	2
024-046	M8 x 16	9	4
024-047	M8 x 20	9	8
024-048	M8 x 25	9	8
024-049	M8 x 30	8	4
024-050	M8 x 35	7	4
024-051	M8 x 40	6	4
024-052	M8 x 45	5	2
024-053	M8 x 50	5	4
024-055	M8 x 60	4	2
024-057	M8 x 70	3	2
024-060	M10 x 20	5	4
024-061	M10 x 25	4	8
024-062	M10 x 30	4	8
024-063	M10 x 35	4	4
024-064	M10 x 40	4	4
024-066	M10 x 50	3	4
024-068	M10 x 60	3	2
024-070	M10 x 70	3	2
024-075	M12 x 30	3	3
024-077	M12 x 40	3	3
024-079	M12 x 50	3	3
024-081	M12 x 60	2	2
024-083	M12 x 70	2	2
024-170	M10 x 20	4	2
024-171	M10 x 25	3	2
024-172	M10 x 30	3	2
024-174	M10 x 40	3	2
024-176	M10 x 50	3	2
024-184	M12 x 30	2	2
024-186	M12 x 40	2	2
024-188	M12 x 50	2	2

- Assortment contains 310 HANDY-PAKS®, 95 sizes of our most popular 8.8 Metric Cap Screws. Coarse, Fine and Extra Fine Thread. Cotter Pins and Machine Screws
- Includes metal merchandiser and signage



CAP SCREWS - FINE			
Part #	Size	Pcs/Pk	Packs
024-120	M8 x 20	7	2
024-122	M8 x 30	7	2
024-124	M8 x 40	6	2
024-126	M8 x 50	5	2
024-130	M10 x 20	4	2
024-131	M10 x 25	3	2
024-132	M10 x 30	3	2
024-133	M10 x 35	4	2
024-134	M10 x 40	3	2
024-136	M10 x 50	3	2
024-138	M10 x 60	2	2
024-144	M12 x 30	3	2
024-146	M12 x 40	2	2
024-148	M12 x 50	2	2

HEX NUTS - FINE			
Part #	Size	Pcs/Pk	Packs
024-258	M8 x 1.00	16	2
024-260	M10 x 1.25	12	2
024-262	M12 x 1.5	7	2

HEX NUTS - EXTRA FINE			
Part #	Size	Pcs/Pk	Packs
024-270	M10 x 1.00	10	2
024-272	M12 x 1.25	7	2

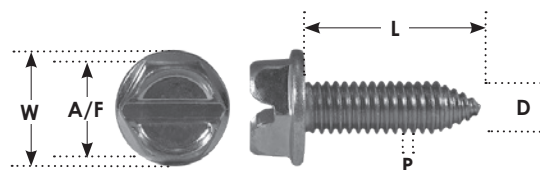
HEX NUTS - ISO COARSE			
Part #	Size	Pcs/Pk	Packs
024-204	M4	33	3
024-205	M5	33	3
024-206	M6	33	8
024-208	M8	18	8
024-210	M10	11	7
024-212	M12	6	3

MACHINE SCREWS			
Part #	Size	Pcs/Pk	Packs
024-430	M6 x 10	30	2
024-436	M6 x 16	80	2
024-440	M6 x 20	27	2

LOCK NUTS			
Part #	Size	Pcs/Pk	Packs
024-224	M4	10	2
024-226	M6	9	2
024-228	M8	6	2
024-230	M10	5	2

FLAT WASHERS			
Part #	Size	Pcs/Pk	Packs
024-304	4 mm	60	3
024-305	5 mm	56	3
024-306	6 mm	45	6
024-308	8 mm	18	6
024-310	10 mm	14	6
024-312	12 mm	12	3

LOCK WASHERS			
Part #	Size	Pcs/Pk	Packs
024-324	4 mm	80	3
024-325	5 mm	80	3
024-326	6 mm	60	6
024-328	8 mm	40	6
024-330	10 mm	32	6
024-332	12 mm	20	3

230
Series**paulin****METRIC LICENCE PLATE SCREWS**PART CLASS #
802AZ

LICENSE PLATE SCREWS are used to attach license plates. They can have either a tapping screw thread or a machine screw thread.

A/F = Across Flats (W)

W = Width

L = Length

D = Diameter

P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

☐ Product not available in this pack size

ZINC PLATED

Slotted Hex Washer Head

Diameter-Pitch: **M6-1.00**

Length	Approx. Weight (lb) /100 pcs	A/F	L	W	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	1.42	10	20	13	910-1190	4	—	—	230-616	50	—	—
OEM #: CHRY 34201287, AMC 8934201287												

245
Series**paulin****METRIC LICENCE PLATE SCREWS**PART CLASS #
802AZ

ISO Coarse Thread

ZINC PLATED

Slotted Round Washer Head

Diameter-Pitch: **M6-1.00**

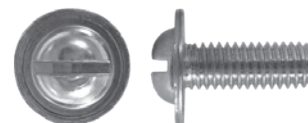
Length	Approx. Weight (lb) /100 pcs	A/F	L	W	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	1.16	-	16	14	—	—	—	—	245-912	25	—	—

YELLOW ZINC PLATED

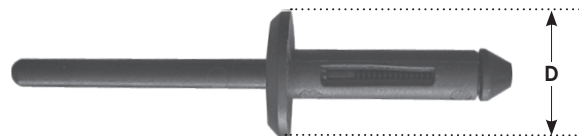
Hex Washer Head Phillips Drive

Diameter-Pitch: **M6-1.81**

Length	Approx. Weight (lb) /100 pcs	A/F	L	W	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	1.34	10	20	10	—	—	—	—	245-911	25	—	—
OEM #: TOYOTA 93904-46320, HONDA 91500-SM4-999AH												

**230-616****245-911****245-912**

Images do not represent actual size

247
Series**paulin® METRIC PLASTIC RIVETS**PART CLASS #
802BL

PLASTIC RIVETS are designed to join plastic, fiberglass, wood, and metal. They are non-conductive to join materials when you only have access to one side.

D = Diameter**F** = Head Flange Diameter**DS** = Drill Size**ORDER BY ITEM (PACKAGE) NUMBER**
☐ Product not available in this pack size

PLASTIC									
Diameter: M5									
Maximum Grip	Approx. Weight (lb) /100 pcs	Head Flange Diameter	Drill Size	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
4.5 mm	0.28	12	7/32	—	—	247-306	25	—	—
OEM #: Ford N804189S / GM 2042367									
6 mm	0.28	12	7/32	—	—	247-300	25	—	—
OEM #: Chrysler 6500899 / GM 20432975 / VW 175-853-57701C									
10 mm	0.32	12	7/32	—	—	247-307	25	—	—
OEM #: Chrysler 6500898									
Diameter: M6.3									
Maximum Grip	Approx. Weight (lb) /100 pcs	Head Flange Diameter	Drill Size	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.50	17	1/4	—	—	247-302	25	—	—
OEM #: GM 14070914 (White)									
10 mm	0.54	17	1/4	—	—	247-301	25	—	—
OEM #: Chrysler 6500911 / Ford N803043-S / GM 14063981									
10 mm	0.48	13	—	—	—	247-303	25	—	—
OEM #: Ford N803862-S / GM: 20452072									
Diameter: M6.6									
Maximum Grip	Approx. Weight (lb) /100 pcs	Head Flange Diameter	Drill Size	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
5 mm	0.48	17	9/32	—	—	247-304	25	—	—
OEM #: GM 20433026 / VW 175-853-577A									
5 mm	0.38	13	9/32	—	—	247-305	25	—	—
OEM #: GM 20421672									

247
Series

paulin METRIC PLASTIC RIVETS

AUTOMOTIVE

RIVETS



247-300



247-301



247-302



247-303



247-304



247-305



247-306



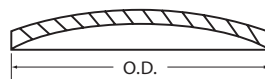
247-307

Images do not represent actual size

261
Series

paulin METRIC EXPANSION PLUGS

PART CLASS #
802AU

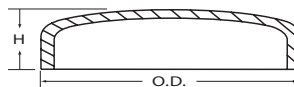


EXPANSION PLUGS also known as Frost Plugs, Welsh Plugs or Freeze-Out Plugs.
Papco® Expansion Plugs are made of heavy gauge plated steel or solid brass to resist rust.

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

ZINC PLATED								Standard Type	
Nominal O.D.	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	2.40	—	—	—	—	261-011	10	—	—
18 mm	2.70	—	—	—	—	261-014	10	—	—
24 mm	3.60	—	—	—	—	261-024	10	—	—
25 mm	3.75	—	—	—	—	261-026	10	—	—
35 mm	5.25	—	—	—	—	261-046	10	—	—
40 mm	6.00	—	—	—	—	261-064	10	—	—
42 mm	6.30	—	—	—	—	261-069	10	—	—
45 mm	6.75	—	—	—	—	261-077	10	—	—
52 mm	7.80	—	—	—	—	261-090	10	—	—
55 mm	8.25	—	—	—	—	261-096	10	—	—

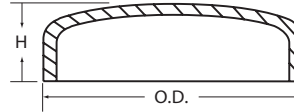


ZINC PLATED								Shallow Cup Type	
Nominal O.D.	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	2.60	—	—	—	—	261-326	10	—	—
35 mm	9.30	—	—	—	—	261-347	10	—	—
40 mm	5.60	—	—	—	—	261-364	10	—	—
42 mm	6.60	—	—	—	—	261-367	10	—	—
45 mm	8.10	—	—	—	—	261-377	10	—	—

261
Series

paulin METRIC EXPANSION PLUGS

PART CLASS #
802AU



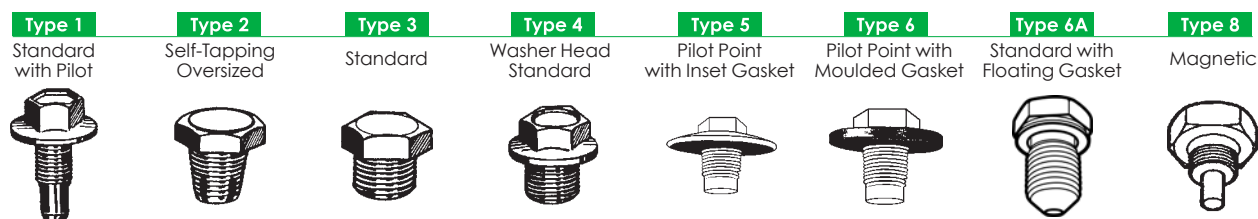
ORDER BY ITEM (PACKAGE) NUMBER

— Product not available in this pack size

ZINC PLATED								CUP Type	
Nominal O.D.	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
11 mm	0.71	—	—	—	—	261-103	10	—	—
12 mm	0.78	—	—	—	—	261-105	10	—	—
14 mm	0.91	—	—	—	—	261-107	10	—	—
14.4 mm	0.93	—	—	—	—	261-108	10	—	—
15 mm	0.97	—	—	—	—	261-109	10	—	—
16 mm	1.04	—	—	—	—	261-111	10	—	—
18 mm	1.17	—	—	—	—	261-114	10	—	—
20 mm	1.30	—	—	—	—	261-117	10	—	—
22 mm	1.43	—	—	—	—	261-121	10	—	—
24 mm	1.56	—	—	—	—	261-124	10	—	—
25 mm	2.60	—	—	—	—	261-126	10	—	—
27 mm	2.80	—	—	—	—	261-129	10	—	—
28 mm	2.91	—	—	—	—	261-132	10	—	—
29 mm	3.01	—	—	—	—	261-135	10	—	—
30 mm	3.12	—	—	—	—	261-138	10	—	—
31.5 mm	3.28	—	—	—	—	261-140	10	—	—
32 mm	3.33	—	—	—	—	261-142	10	—	—
34 mm	3.54	—	—	—	—	261-145	10	—	—
35 mm	4.90	—	—	—	—	261-146	10	—	—
36 mm	5.04	—	—	—	—	261-149	10	—	—
36.5 mm	5.11	—	—	—	—	261-150	10	—	—
38 mm	5.32	—	—	—	—	261-155	10	—	—
39 mm	5.46	—	—	—	—	261-158	10	—	—
40 mm	5.60	—	—	—	—	261-161	10	—	—
40 mm	5.60	—	—	—	—	261-162	10	—	—
41 mm	5.74	—	—	—	—	261-165	10	—	—
42.3 mm	5.92	—	—	—	—	261-170	10	—	—
42.6 mm	5.96	—	—	—	—	261-171	10	—	—
44 mm	8.30	—	—	—	—	261-173	10	—	—
45 mm	8.10	—	—	—	—	261-177	10	—	—
45 mm	8.10	—	—	—	—	261-178	10	—	—
47 mm	8.46	—	—	—	—	261-181	10	—	—
49.5 mm	8.91	—	—	—	—	261-184	10	—	—
50 mm	9.00	—	—	—	—	261-185	10	—	—
50 mm	11.50	—	—	—	—	261-186	10	—	—
51 mm	11.73	—	—	—	—	261-188	10	—	—

263
Series**paulin****METRIC DRAIN AND FILLER PLUGS
AND GASKETS**PART CLASS #
802AS

PAPCO® DRAIN PLUGS are manufactured in nine types and are available in metric and imperial sizes. Type 2 oversize plugs are tapered, hardened and cut their own thread where the original has been stripped. To use an oversize plug, hold in a straight position and tighten with a socket wrench. Plug is then removed to clear metal particles and then reinstalled. Each drain plug is supplied with a gasket. Product images on p.108.



ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size
Diameter-Pitch: **M12-1.25**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-912	6.50	5	1	Standard with Pilot Point	652146	1
263-913	6.10	5	4	Washer Head Standard	653056	1
263-933	6.20	5	4	Washer Head Standard	—	—
263-942	6.70	5	1	Standard with Pilot Point	—	—

Diameter-Pitch: **M12-1.50**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-931	5.10	5	3	Standard	—	—

Diameter-Pitch: **M12-1.75**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-908	9.10	5	6	Pilot point with moulded gasket	—	—
263-911	8.10	5	1	Standard with Pilot Point	652116	1
263-919	12.10	5	5	Pilot Point with Inset Gasket	653076	1
—	13.00	—	5	Pilot Point with Inset Gasket (0.68" shank)	652866	1
—	14.00	—	5	Pilot Point with Inset Gasket (0.95" shank)	653086	1
—	13.00	—	8	Pilot Point with Inset Gasket Magnetic	653096	1
263-929	9.10	5	8	Pilot Point with Inset Gasket Magnetic	652126	1
263-932	10.70	5	5	Pilot Point with Inset Gasket	—	—
263-944	8.70	5	1	Standard with Pilot Point	—	—
263-945	8.00	5	2	Single Oversize Self-Tapping	652136	1

Diameter-Pitch: **M14-1.25**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-922	8.40	5	4	Washer Head Standard	652326	5

263
Series**paulin****METRIC DRAIN AND FILLER PLUGS
AND GASKETS**PART CLASS #
802AS

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack sizeDiameter-Pitch: **M14-1.50**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-914	8.40	5	4	Washer Head Standard	652946	1
263-915	8.20	5	2	Single Oversize Self-Tapping	652176	1
263-917	11.10	5	1	Standard with Pilot Point	652156	1
263-923	10.50	5	6	Pilot Point with Moulded Gasket	652856	1
263-924	11.30	5	8	Pilot Point Magnetic	652166	1
263-925	11.50	5	5	Pilot Point with Inset Gasket	653106	1
263-934	8.60	5	4	Washer Head Standard	652306	1
263-937	11.60	5	1	Pilot Point	—	—
263-947	10.50	5	1	Pilot Point	—	—
263-954	8.00	5	3	Standard	—	—
263-958	11.50	5	5	Pilot Point with Inset Gasket	—	—
263-971	8.00	5	6A	Standard with Floating Gasket	—	—
263-974	8.50	5	3	Standard	—	—
263-984	9.00	5	3	Standard	—	—
—	13.00	—	3	Standard with Easy Seal	653136	1

Diameter-Pitch: **M18-1.50**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-928	14.10	5	4	Washer Head Standard	652206	1

Diameter-Pitch: **M20-1.50**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-930	14.50	5	4	Washer Head Standard	—	—

Diameter-Pitch: **M22-1.50**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Type	Description	Needa® Clamshell #	Std Package Qty
263-940	15.10	5	4	Washer Head Standard	652886	1

AUTOMOTIVE

263
Series

paulin METRIC DRAIN AND FILLER PLUGS

M12-1.25 / M12-1.50



263-912



263-913



263-933



263-942



263-931

M12-1.75 / M14-1.25



263-908



263-911



263-919



263-929



263-932



263-944



263-945



263-922



652866



653086



653096

Images do not represent actual size

263
Series

paulin METRIC DRAIN AND FILLER PLUGS

AUTOMOTIVE

M14-1.50



263-914



263-915



263-917



263-923



263-924



263-925



263-934



263-937



263-947



263-954



263-958



263-971



263-974



263-984

M18-1.50 / M20-1.50 / M22-1.50



263-928



263-930



263-940

Images do not represent actual size

263
Series**paulin****METRIC DRAIN AND FILLER PLUGS
AND GASKETS**PART CLASS #
802AW

PAPCO® SELON® DRAIN PLUG GASKETS are made of special nylon with excellent mechanical properties and long life. Also available are copper and fibre gaskets as well as aluminium, rubber/metal and synthetic gaskets. Product images on p.112.



Fibre



Aluminum



Rubber



Rubber/Metal



Nylon



Copper

ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

FIBRE

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
263-808	0.12	5	Fibre 12 mm x .748 X 3/32	—	—
263-809	0.16	5	Fibre 16 mm x 1.062 X 3/32	—	—
263-810	0.16	5	Fibre 18 mm x 1.062 X 3/32	—	—
—	2.00	—	Fibre M12, M14, M18, 1/2", 5/8" (5 Pieces)	652806	1

ALUMINUM

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
263-870	0.26	5	Aluminum 14 mm x 20 mm x .078	—	—
263-873	0.24	5	Aluminum 18 mm x 26 mm x .078	—	—

RUBBER

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
263-874	0.20	5	Rubber 12 mm x 20 mm x .102	—	—
—	1.00	5	Rubber 12 mm (3 pieces)	653296	1

RUBBER/METAL

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
263-875	0.58	5	Rubber/Metal 12 mm x 25 mm x .078	—	—

263
Series

METRIC DRAIN AND FILLER PLUGS AND GASKETS

PART CLASS #
802AW

ORDER BY ITEM (PACKAGE) NUMBER

☐ Product not available in this pack size**NYLON**

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
—	2.00	—	Nylon 12 mm (3 pieces)	653016	1

COPPER

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
—	4.00	—	Copper M12, M14, M16 (3 pieces)	652816	1

ASSORTED TYPES

Black Box #	Approx. Weight (lb) /100 pcs	Std Package Qty	Description	Needa® Clamshell #	Std Package Qty
—	1.00	—	Assortment M12 (5 pieces)	653326	1
—	1.00	—	Assortment M14 (5 pieces)	653336	1
—	3.00	—	Assortment M18-22 (5 pieces)	653346	1

AUTOMOTIVE

263
Series

paulin METRIC GASKETS

FIBRE



263-808



263-809



263-810

ALUMINUM



263-870



263-873

RUBBER / METAL



263-874



263-875

NYLON / COPPER



653016



652816

Images do not represent actual size

ASSORTED GASKETS



652806



533296



653016



652816



653326



653336



653346

Images do not represent actual size

METRIC CONVERSIONS

FRACTION	INCHES	M/M
$\frac{1}{64}$	.01563	.397
$\frac{1}{32}$	.03125	.794
$\frac{3}{64}$	.04688	1.191
$\frac{1}{16}$	.06250	1.588
$\frac{5}{64}$	.07813	1.984
$\frac{3}{32}$	.09375	2.381
$\frac{7}{64}$	.10938	2.778
$\frac{1}{8}$	.12500	3.175
$\frac{9}{64}$	.14063	3.572
$\frac{5}{32}$	.15625	3.969
$\frac{11}{64}$	.17188	4.366
$\frac{3}{16}$	.18750	4.763
$\frac{13}{64}$	.20313	5.159
$\frac{7}{32}$	.21875	5.556
$\frac{15}{64}$	.23438	5.953
$\frac{1}{4}$	.25000	6.350
$\frac{17}{64}$	.26563	6.747
$\frac{9}{32}$	.28125	7.144
$\frac{19}{64}$	.29688	7.541
$\frac{5}{16}$	.31250	7.938
$\frac{21}{64}$	.32813	8.334
$\frac{11}{32}$	.34375	8.731
$\frac{23}{64}$	.35938	9.128
$\frac{3}{8}$	.37500	9.525
$\frac{25}{64}$	.39063	9.922
$\frac{13}{32}$	.40625	10.319
$\frac{27}{64}$	.42188	10.716
$\frac{7}{16}$	.43750	11.113
$\frac{29}{64}$	.45313	11.509
$\frac{15}{32}$	.46875	11.906
$\frac{31}{64}$	.48438	12.303
$\frac{1}{2}$	.50000	12.700

FRACTION	INCHES	M/M
$\frac{33}{64}$	.51563	13.097
$\frac{17}{32}$	.53125	13.494
$\frac{35}{64}$	.54688	13.891
$\frac{9}{16}$	.56250	14.288
$\frac{37}{64}$	.57813	14.684
$\frac{19}{32}$	.59375	15.081
$\frac{39}{64}$	.60938	15.478
$\frac{5}{8}$	.62500	15.875
$\frac{41}{64}$	.64063	16.272
$\frac{21}{32}$	.65625	16.669
$\frac{43}{64}$	.67188	17.066
$\frac{11}{16}$	.68750	17.463
$\frac{45}{64}$	.70313	17.859
$\frac{23}{32}$	.71875	18.256
$\frac{47}{64}$	.73438	18.653
$\frac{3}{4}$	.75000	19.050
$\frac{49}{64}$	.76563	19.447
$\frac{25}{32}$	.78125	19.844
$\frac{51}{64}$	.79688	20.241
$\frac{13}{16}$	.81250	20.638
$\frac{53}{64}$	.82813	21.034
$\frac{27}{32}$	.84375	21.431
$\frac{55}{64}$	.85938	21.828
$\frac{7}{8}$	.87500	22.225
$\frac{57}{64}$	.89063	22.622
$\frac{29}{32}$	.90625	23.019
$\frac{59}{64}$	.92188	23.416
$\frac{15}{16}$	.93750	23.813
$\frac{61}{64}$	.95313	24.209
$\frac{31}{32}$	.96875	24.606
$\frac{63}{64}$	.98438	25.003
1	1.00000	25.400

METRIC CONVERSIONS

Inches to Millimetres			
Inch	Millimetre	Inch	Millimetre
1	25.40	0.0394	1

Standard and Metric Sizes					
Inch	Millimetre	Inch	Millimetre	Inch	Millimetre
1/8	3.18	5/8	15.88	1-1/4	31.75
5/32	3.97	—	16.00	—	32.00
—	4.00	21/32	16.67	—	33.00
3/16	4.76	—	17.00	1-5/16	33.34
—	5.00	11/16	17.46	—	34.00
13/64	5.16	—	18.00	1-3/8	34.93
7/32	5.56	—	19.00	—	35.00
15/64	6.05	3/4	19.05	—	36.00
—	6.00	25/32	19.84	1-7/16	36.51
1/4	6.35	—	20.00	—	38.00
17/64	6.75	13/16	20.64	1-1/2	38.10
—	7.00	—	21.00	—	39.00
9/32	7.14	—	22.00	1-9/16	39.69
5/16	7.94	7/8	22.23	—	40.00
—	8.00	—	23.00	—	41.00
11/32	8.73	29/32	23.02	1-5/8	41.28
—	9.00	15/16	23.81	1-11/16	42.86
3/8	9.53	—	24.00	1-3/4	44.45
—	10.00	31/32	24.61	—	46.00
—	11.00	—	25.00	1-13/16	46.04
7/16	11.11	1	25.40	1-7/8	47.63
15/32	11.91	—	26.00	1-15/16	49.21
—	12.00	1-1/16	26.99	—	50.00
1/2	12.70	—	27.00	2	50.80
—	13.00	—	28.00	—	51.00
17/32	13.49	1-1/8	28.58	2-1/8	53.96
—	14.00	—	29.00	—	54.00
9/16	14.29	—	30.00	2-1/4	57.15
—	15.00	1-3/16	30.16	2-3/8	60.33
19/32	15.08	—	31.00	2-1/2	63.50

METRIC NUT DIAMETER AND HEIGHT SIZES

Metric Nut Sizes			
Nut Size (mm)	Diameter (mm)	Height (mm)	
		Hex Nut	Jam Nut
2.0	4.0	1.6	1.2
2.5	5.0	2.0	1.6
3.0	5.5	2.4	1.8
4.0	7.0	3.2	2.2
5.0	8.0	4.0	2.7
6.0	10.0	5.0	3.2
7.0	11.0	5.5	3.5
8.0	13.0	6.5	4.0
10.0	17.0	8.0	5.0
12.0	19.0	10.0	6.0
14.0	22.0	11.0	7.0
16.0	24.0	13.0	8.0
18.0	27.0	15.0	9.0
20.0	30.0	16.0	10.0
The Diameter (across the flats) is also the size of wrench to use.			

DRIVE TYPES AND COMMON NAMES / ABBREVIATIONS

SLOTTED	
	Slot
	Cross / Plus / Star
CRUCIFORM	
	Phillips / PH
	Pozidriv / PZ
HEXALOBULAR	
	Torx® 6 Lobe

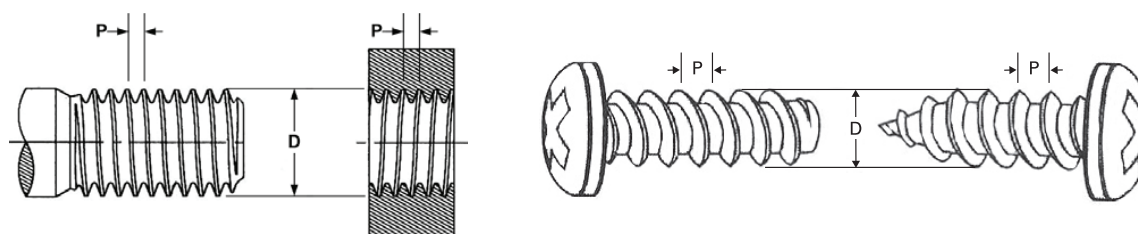
INTERNAL POLYGON	
	Robertson / Square / Socket
	Hex Socket / Allen
EXTERNAL POLYGON	
	Square
	Hex

METRIC BOLT HEAD AND WRENCH SIZES

ISO Metric Threaded Bolt (mm)	Spanner or Wrench Size (mm)			Allen Key (mm)
	DIN	ISO/ANSI	JIS	ISO/ANSI
4	7.00	7.00	7.00	—
5	8.00	8.00	8.00	4.00
6	10.00	10.00	10.00	5.00
7	11.00	—	—	—
8	13.00	13.00	12.00	6.00
10	17.00	15.00, 16.00	14.00	8.00
12	19.00	18.00	17.00	10.00
14	22.00	21.00	19.00	—
16	24.00	24.00	22.00	14.00
18	27.00	—	—	—
20	30.00	30.00	—	17.00
24	—	36.00	—	19.00

METRIC BOLT DIAMETER AND THREAD PITCH SIZES

Bolt Diameter (mm)	Thread Pitch			
	Standard	Fine	Extra or Super Fine	JIS
2	0.40	—	—	0.40
2.5	0.45	—	—	0.45
3	0.50	—	—	0.50
4	0.70	—	—	0.70
5	0.80	—	—	0.80
6	1.00	—	—	1.00
7	1.00	—	—	1.00
8	1.25	1.00	—	1.25
10	1.50	1.25	1.00	1.25
12	1.75	1.50	1.25	1.25
14	2.00	1.50	—	1.50
16	2.00	—	—	1.50
18	2.50	—	—	1.50
20	2.50	—	—	1.50



MECHANICAL REQUIREMENTS FOR THREADED FASTENERS

I.S.O. CLASS (METRIC)	S.A.E & PAPCO IDENT.	BOLT SIZE DIAMETER (INCH or MM)	PROOF LOAD (PSI)	TENSILE STRENGTH MIN (PSI)	HARDNESS	
					ROCKWELL	VICKERS
8.8		M3 to M39	84,000 (580 MPa)	116,000 (800 MPa)	C22-C34	250-335
MATERIAL HEAT TREATMENT	- Carbon steel with additives (e.g. Boron or Mn or Cr) quenched and tempered C: 0.15 to 0.40, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.6% - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Carbon steel quenched and tempered C: 0.25 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Alloy steel quenched and tempered C: 0.20 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - This alloy steel shall contain at least one of the following elements in the minimum quantity given: Chromium 0.30%, nickel 0.30%, molybdenum 0.20%, vanadium 0.10%. Where elements are specified in combinations of two, three or four and have alloy contents less than those given above, the limit value to be applied for steel class determination is 70% of sum of the individual limit values specified above for two, three or four elements concerned. - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					

I.S.O. CLASS (METRIC)	S.A.E & PAPCO IDENT.	BOLT SIZE DIAMETER (INCH or MM)	PROOF LOAD (PSI)	TENSILE STRENGTH MIN (PSI)	HARDNESS	
					ROCKWELL	VICKERS
9.8		M1.6 to M16	95,000 (650 MPa)	131,000 (900 MPa)	C28-C37	290-360
MATERIAL HEAT TREATMENT	- Carbon steel with additives (e.g. Boron or Mn or Cr) quenched and tempered C: 0.15 to 0.40, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.7% - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Carbon steel quenched and tempered C: 0.25 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Alloy steel quenched and tempered C: 0.20 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - This alloy steel shall contain at least one of the following elements in the minimum quantity given: Chromium 0.30%, nickel 0.30%, molybdenum 0.20%, vanadium 0.10%. Where elements are specified in combinations of two, three or four and have alloy contents less than those given above, the limit value to be applied for steel class determination is 70% of sum of the individual limit values specified above for two, three or four elements concerned. - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					

MECHANICAL REQUIREMENTS FOR THREADED FASTENERS

I.S.O. CLASS (METRIC)	S.A.E & PAPCO IDENT.	BOLT SIZE DIAMETER (INCH or MM)	PROOF LOAD (PSI)	TENSILE STRENGTH MIN (PSI)	HARDNESS	
					ROCKWELL	VICKERS
10.9		M3 to M39	120,000 (830 MPa)	151,000 (1040 MPa)	C32-C39	320-380
MATERIAL HEAT TREATMENT	- Carbon steel with additives (e.g. Boron or Mn or Cr) quenched and tempered C: 0.20 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.7% - There shall be sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Carbon steel quenched and tempered C: 0.25 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - There shall be sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					
	- Alloy steel quenched and tempered C: 0.20 to 0.55, P: 0.025 Max., S: 0.025 Max., B: 0.003 Max. Tempering Temperature: Min. 425 °C - This alloy steel shall contain at least one of the following elements in the minimum quantity given: Chromium 0.30%, nickel 0.30%, molybdenum 0.20%, vanadium 0.10%. Where elements are specified in combinations of two, three or four and have alloy contents less than those given above, the limit value to be applied for steel class determination is 70% of sum of the individual limit values specified above for two, three, four elements concerned. - There shall be a sufficient hardenability to ensure a structure consisting of approximately 90% martensite in the core of threaded sections for fasteners in the "as-hardened" condition before tempering.					

IFI – Industrial Fasteners Institute

www.indfast.org

ASTM – American Society for Testing and Materials

www.astm.org

SAE – Society of Automotive Engineers

www.sae.org

AISI – American Iron and Steel Institute

www.steel.org

ASME – American Society of Mechanical Engineers

www.asme.org

JIS – Japanese Industrial Standards

www.jisc.go.jp/eng

ISO – International Organization for Standardization

www.iso.org

DIN – German Institute for Standardization

www.din.de

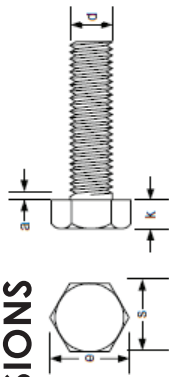
COMPARATIVE STRENGTH OF CAP SCREWS

Minimum Tensile Strength p.s.i. (pounds/sq. inch)	S.A.E. Grades 2, 5, and 8	I.S.O. Metric Property Classes	Minimum Tensile Strength MPa (megapascals)
180,000		 Class 12.9	1220
170,000			
160,000	 Grade 8	 Class 10.9	1040
150,000			
140,000		 Class 9.8	900
130,000			830
120,000	 Grade 5		
110,000		 Class 8.8	
100,000			
90,000		 Class 5.8	520
80,000	 Grade 2		
70,000			
60,000			
50,000			
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2 Diameter (inches)		M5 — M16 — M24 — M36 Diameter (millimetres)	

FULL THREAD HEXAGON HEAD SCREWS # 933 - DIN & ISO DIMENSIONS

Ref: DIN 933 - 1987

This standard contains specifications for fully threaded hexagon head screws with coarse metric thread for diameters M 1.6 to M 52. Although long-term expectation is for DIN to be superseded by ISO (lower half of page), current MMCC product # 933 is supplied according to DIN dimensions below.



		Dimensions in mm.																					
Nom. Thread Diameter (D)		M3	M4	M5	M6	(M7)	M8	M10	M12	M14	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48
THREAD PITCH (COARSE)	a	0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5
	max.	1.5	2.1	2.4	3	3	3.75	4.5	5.25	6	6	7.5	7.5	7.5	9	9	10.5	10.5	12	12	13.5	13.5	15
washer	min.	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
	face	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1	1	1	1
e	min.	6.01	7.66	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.60
		2	2.8	3.5	4	4.8	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	25	26	28	30
Nom. Dimensions	min.	1.88	2.68	3.35	3.85	4.65	5.15	6.22	7.32	8.62	9.82	11.28	12.28	13.78	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	29.58
	k	2.12	2.92	3.65	4.15	4.95	5.45	6.56	7.68	8.98	10.18	11.72	12.72	14.22	15.22	17.35	19.12	21.42	22.92	25.43	26.42	28.42	30.42
Max. = Nom. Dimensions		5.5	7	8	10	11	13	17	19	22	24	27	30	32	36	41	46	50	55	60	65	70	75
	s	5.32	6.78	7.78	9.78	10.73	12.73	16.73	18.67	21.67	23.67	26.67	29.67	31.61	35.38	40	45	49	53.8	58.8	63.1	68.1	73.1

Ref: ISO 4017 - 1979

This international standard gives specifications for fully threaded hexagon head screws with metric dimensions and thread diameters from 3mm up to and including 36mm.

		Dimensions in mm.															
Nom. Thread Diameter (D)		M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24	M30	M36			
THREAD PITCH (COARSE)		0.50	0.70	0.80	1	1.25	1.50	1.75	2	2	2.50	3	3.50	4			
a max.		1.50	2.10	2.40	3	3.75	4.50	5.25	6	6	7.5	9	10.5	12			
washer min.		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.20			
face max.		0.40	0.40	0.50	0.50	0.60	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80			
e min.		6.01	7.66	8.79	11.05	14.38	17.77	20.03	23.35	26.75	33.53	39.98	50.85	60.79			
Nom. Dimensions		2	2.80	3.50	4	5.30	6.40	7.50	8.80	10	12.50	15	18.70	22.50			
k min.		1.88	2.68	3.35	3.85	5.15	6.22	7.32	8.62	9.82	12.28	14.78	18.28	22.08			
k max.		2.12	2.92	3.65	4.15	5.45	6.58	7.68	8.98	10.18	12.72	15.22	19.12	22.92			
s max.		5.50	7	8	10	13	16	18	21	24	30	36	46	55			
s min.		5.32	6.78	7.78	9.78	12.73	15.73	17.73	20.67	23.67	29.67	35.38	45	53.8			

*Please note: Diameters shown in () should be avoided for new design.

Comparison chart on ISO/DIN standards across flat size differences.

Thread Diameter	M10		M12		M14	
	Max.	Min.	Max.	Min.	Max.	Min.
	16	15.73	18	17.73	21	20.67
ISO mm						
DIN mm	17	16.73	19	18.67	22	21.67

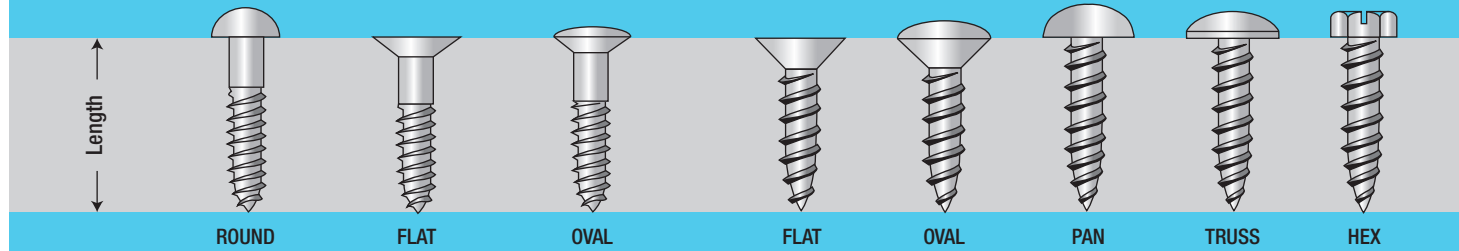
© Copyright Metric & Multistandard Components Corp. 2000

[illegible]

[illegible]

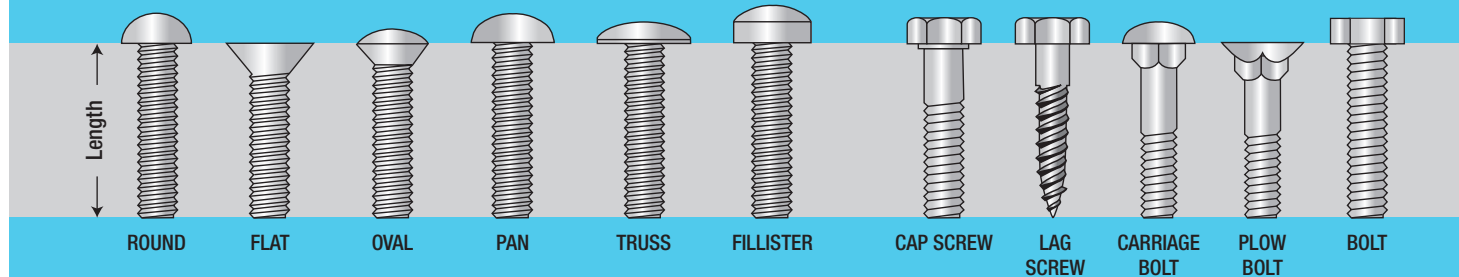
paulin® FASTENER IDENTIFICATION CHART

WOOD SCREWS

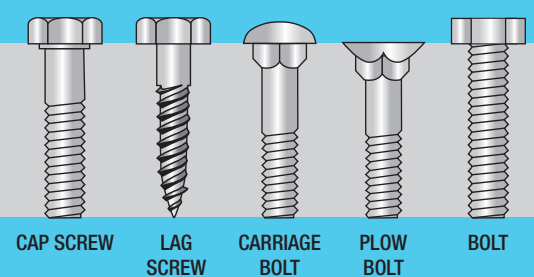


TAPPING SCREWS

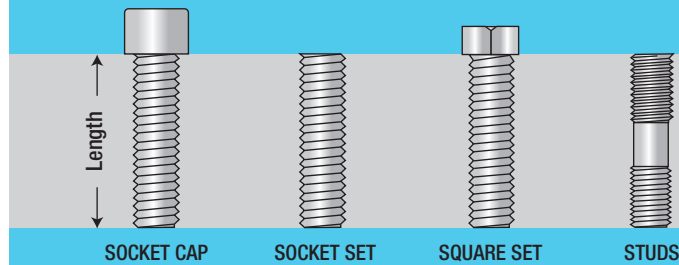
MACHINE SCREWS



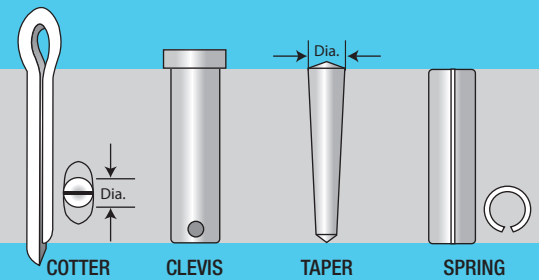
SCREWS & BOLTS



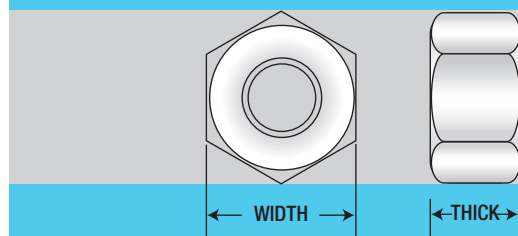
SET SCREWS & STUDS



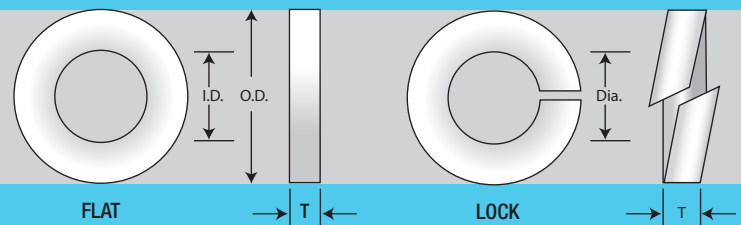
STANDARD PINS



HEX NUTS



WASHERS



TORONTO
900 Passmore Ave.
Toronto, ON M1X 0C6
Tel: 416-694-3351
Office Fax: 416-981-7436
CSR Fax: 416-981-7956

LAVAL
2591 Debray St.
Laval, QC H7S 2J4
Tel: 450-688-4292
Office Fax: 450-688-4750
CSR Fax: 450-954-0735

EDMONTON
17306 129th Ave.
Edmonton, AB T5V 0C7
Tel: 800-262-9026
Office Fax: 780-900-0463

WINNIPEG
1670-A Inkster Blvd.
Winnipeg, MB R2X 2W8
Tel: 204-694-3802
Office Fax: 204-694-3804
CSR Fax: 204-817-7059

VANCOUVER
3179 Thunderbird Cres.
Burnaby, BC V5A 3G1
Tel: 604-421-3096
Office Fax: 604-421-3046
CSR Fax: 604-357-1112