

**paulin**<sup>®</sup>

# METRIC FASTENERS

The Right Metric Fastening Choice

**papeco**<sup>®</sup> **HILLMAN**<sup>™</sup>

The Hillman Group Canada ULC

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At Paulin<sup>®</sup>, 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<sup>®</sup> 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**

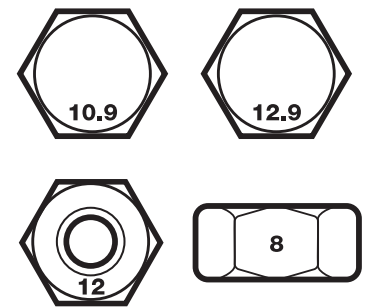
# hullin<sup>®</sup> METRIC FASTENERS

## 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



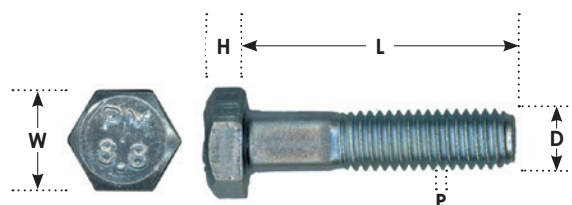
Bulk Carton  
(1/4 Keg)

**608**  
Series

# paulin<sup>®</sup> METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 931 = ISO 4014 Partial Thread  
806BU | DIN 933 = ISO 4017 Full Thread



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										
Diameter-Pitch: <b>M4-.70</b>							Across Flats: <b>7</b> Height: <b>2.8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.39	—	—	—	—	<b>608-136</b>	100	—	—
16 mm	933	0.47	—	—	<b>024-002</b>	16	<b>608-139</b>	100	<b>B608-139</b>	8000
20 mm	933	0.53	—	—	—	—	<b>608-141</b>	100	—	—
25 mm	933	0.67	—	—	<b>024-004</b>	11	<b>608-143</b>	100	—	—

Diameter-Pitch: <b>M5-.80</b>							Across Flats: <b>8</b> Height: <b>3.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.63	—	—	<b>024-012</b>	25	<b>608-198</b>	100	<b>B608-198</b>	6300
16 mm	933	0.73	—	—	<b>024-013</b>	19	<b>608-201</b>	100	<b>B608-201</b>	5400
20 mm	933	0.81	—	—	<b>024-014</b>	17	<b>608-203</b>	100	<b>B608-203</b>	4700
25 mm	933	0.99	—	—	<b>024-015</b>	16	<b>608-205</b>	100	<b>B608-205</b>	3900

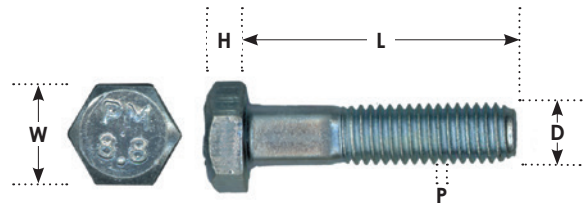
Diameter-Pitch: <b>M6-1.00</b>							Across Flats: <b>10</b> Height: <b>4.0</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	1.01	<b>009-221</b>	14	<b>024-023</b>	21	<b>608-267</b>	100	<b>B608-267</b>	3700
16 mm	933	1.19	<b>009-222</b>	12	<b>024-024</b>	18	<b>608-270</b>	100	<b>B608-270</b>	3000
20 mm	933	1.32	<b>009-223</b>	10	<b>024-025</b>	17	<b>608-272</b>	100	<b>B608-272</b>	3000
25 mm	933	1.53	<b>009-224</b>	8	<b>024-026</b>	15	<b>608-274</b>	100	<b>B608-274</b>	2500
30 mm	933	1.80	<b>009-225</b>	7	<b>024-027</b>	13	<b>608-276</b>	100	<b>B608-276</b>	2200
35 mm	931	2.03	<b>009-226</b>	6	<b>024-028</b>	10	<b>608-277</b>	100	<b>B608-277</b>	1900
35 mm	933	2.03	—	—	—	—	<b>608-277TFL</b>	100	<b>B608-277TFL</b>	1900
40 mm	931	2.26	<b>009-227</b>	6	<b>024-029</b>	10	<b>608-278</b>	100	<b>B608-278</b>	1750
40 mm	933	2.26	—	—	—	—	<b>608-278TFL</b>	100	<b>B608-278TFL</b>	1750
45 mm	931	2.50	—	—	<b>024-030</b>	9	<b>608-279</b>	100	<b>B608-279</b>	1600
50 mm	931	2.76	—	—	<b>024-031</b>	9	<b>608-280</b>	100	<b>B608-280</b>	1400
55 mm	931	2.90	—	—	—	—	<b>608-281</b>	100	<b>B608-281</b>	1000
60 mm	931	3.30	—	—	—	—	<b>608-283</b>	100	<b>B608-283</b>	1000
65 mm	931	3.30	—	—	—	—	<b>608-284</b>	100	<b>B608-284</b>	750
70 mm	931	3.74	—	—	—	—	<b>608-285</b>	100	<b>B608-285</b>	900
75 mm	931	3.90	—	—	—	—	<b>608-286</b>	100	<b>B608-286</b>	750
80 mm	931	4.24	—	—	—	—	<b>608-287</b>	100	<b>B608-287</b>	800
90 mm	931	4.50	—	—	—	—	<b>608-289</b>	100	<b>B608-289</b>	550
100 mm	931	5.00	—	—	—	—	<b>608-291</b>	100	<b>B608-291</b>	450

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**BOLTS**

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

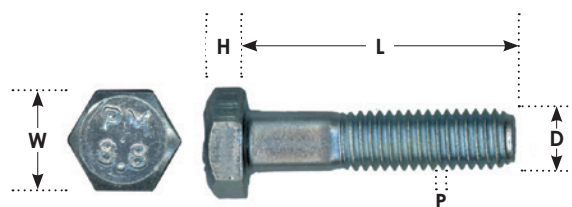
ZINC										
Diameter-Pitch: <b>M8-1.25</b>							Across Flats: <b>13</b> Height: <b>5.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	2.00	—	—	<b>024-045</b>	9	<b>608-311</b>	100	<b>B608-311</b>	2000
16 mm	933	2.35	<b>009-228</b>	10	<b>024-046</b>	9	<b>608-314</b>	100	<b>B608-314</b>	1700
20 mm	933	2.66	<b>009-229</b>	9	<b>024-047</b>	9	<b>608-316</b>	100	<b>B608-316</b>	1500
25 mm	933	2.96	<b>009-230</b>	8	<b>024-048</b>	9	<b>608-318</b>	100	<b>B608-318</b>	1350
30 mm	933	3.34	<b>009-231</b>	7	<b>024-049</b>	8	<b>608-320</b>	100	<b>B608-320</b>	1150
35 mm	931	3.87	<b>009-232</b>	6	<b>024-050</b>	7	<b>608-321</b>	100	<b>B608-321</b>	1000
40 mm	931	4.30	<b>009-233</b>	5	<b>024-051</b>	6	<b>608-322</b>	100	<b>B608-322</b>	925
40 mm	933	4.30	—	—	—	—	<b>608-322TFL</b>	100	<b>B608-322TFL</b>	925
45 mm	931	4.76	<b>009-234</b>	5	<b>024-052</b>	5	<b>608-323</b>	100	<b>B608-323</b>	850
50 mm	931	5.10	<b>009-235</b>	4	<b>024-053</b>	5	<b>608-324</b>	100	<b>B608-324</b>	750
55 mm	931	5.50	—	—	—	—	<b>608-325</b>	100	<b>B608-325</b>	700
60 mm	931	6.10	—	—	<b>024-055</b>	4	<b>608-326</b>	100	<b>B608-326</b>	650
65 mm	931	6.20	—	—	—	—	<b>608-327</b>	100	<b>B608-327</b>	600
70 mm	931	6.50	—	—	<b>024-057</b>	3	<b>608-328</b>	100	<b>B608-328</b>	550
75 mm	933	6.94	—	—	—	—	<b>608-329TFL</b>	100	<b>B608-329TFL</b>	550
80 mm	931	7.72	—	—	—	—	<b>608-330</b>	100	<b>B608-330</b>	500
90 mm	931	8.40	—	—	—	—	<b>608-331</b>	100	<b>B608-331</b>	450
100 mm	931	9.30	—	—	—	—	<b>608-332</b>	100	<b>B608-332</b>	400
110 mm	931	10.10	—	—	—	—	<b>608-333</b>	100	<b>B608-333</b>	350
120 mm	931	10.70	—	—	—	—	<b>608-334</b>	100	<b>B608-334</b>	350
130 mm	931	11.70	—	—	—	—	<b>608-335</b>	100	<b>B608-335</b>	300
140 mm	931	13.20	—	—	—	—	<b>608-338</b>	100	<b>B608-338</b>	250
150 mm	931	13.30	—	—	—	—	<b>608-339</b>	100	<b>B608-339</b>	250
160 mm	931	14.30	—	—	—	—	<b>608-340</b>	100	<b>B608-340</b>	250
180 mm	931	15.90	—	—	—	—	<b>608-342</b>	100	<b>B608-342</b>	225
200 mm	931	17.70	—	—	—	—	<b>608-344</b>	100	<b>B608-344</b>	225

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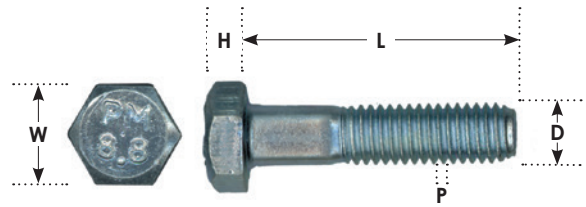
ISO Coarse Thread

Product not available in this pack size

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

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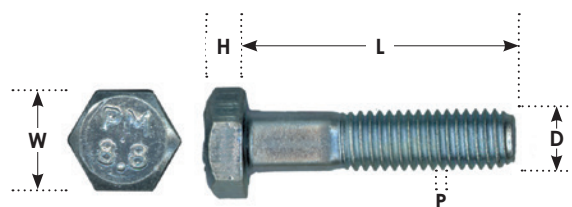
ZINC										
Diameter-Pitch: <b>M12-1.75</b>							Across Flats: <b>19</b> Height: <b>8.0</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	7.10	—	—	—	—	<b>608-410</b>	50	<b>B608-410</b>	600
25 mm	933	7.81	<b>009-244</b>	2	—	—	<b>608-412</b>	50	<b>B608-412</b>	500
30 mm	933	8.57	—	—	<b>024-075</b>	3	<b>608-414</b>	50	<b>B608-414</b>	450
35 mm	933	9.40	<b>009-245</b>	2	—	—	<b>608-415</b>	50	<b>B608-415</b>	400
40 mm	933	10.28	<b>009-246</b>	2	<b>024-077</b>	3	<b>608-416</b>	50	<b>B608-416</b>	370
45 mm	931	11.43	—	—	—	—	<b>608-417</b>	50	<b>B608-417</b>	325
45 mm	933	11.43	—	—	—	—	<b>608-417TFL</b>	50	<b>B608-417TFL</b>	325
50 mm	931	12.53	<b>009-247</b>	2	<b>024-079</b>	3	<b>608-418</b>	50	<b>B608-418</b>	300
50 mm	933	12.53	—	—	—	—	<b>608-418TFL</b>	50	<b>B608-418TFL</b>	300
55 mm	931	13.20	—	—	—	—	<b>608-419</b>	50	<b>B608-419</b>	275
60 mm	931	14.34	<b>009-248</b>	2	<b>024-081</b>	2	<b>608-420</b>	50	<b>B608-420</b>	260
65 mm	931	14.90	—	—	—	—	—	—	<b>B608-421</b>	250
70 mm	931	16.17	<b>009-249</b>	2	<b>024-083</b>	2	<b>608-422</b>	50	<b>B608-422</b>	225
75 mm	931	17.15	—	—	—	—	<b>608-423</b>	50	<b>B608-423</b>	225
80 mm	931	18.42	—	—	—	—	<b>608-424</b>	50	<b>B608-424</b>	200
90 mm	931	20.51	—	—	—	—	<b>608-425</b>	50	<b>B608-425</b>	175
100 mm	931	22.00	—	—	—	—	<b>608-426</b>	50	<b>B608-426</b>	175
110 mm	931	23.40	—	—	—	—	<b>608-427</b>	50	<b>B608-427</b>	150
120 mm	931	25.85	—	—	—	—	<b>608-428</b>	50	<b>B608-428</b>	150
130 mm	931	27.64	—	—	—	—	<b>608-429</b>	50	<b>B608-429</b>	125
140 mm	931	29.47	—	—	—	—	<b>608-430</b>	50	<b>B608-430</b>	125
150 mm	931	62.80	—	—	—	—	<b>608-431</b>	25	<b>B608-431</b>	125
160 mm	931	33.60	—	—	—	—	<b>608-432</b>	25	<b>B608-432</b>	120
170 mm	931	35.32	—	—	—	—	<b>608-433</b>	25	<b>B608-433</b>	110
180 mm	931	37.58	—	—	—	—	<b>608-434</b>	25	<b>B608-434</b>	100
200 mm	931	40.82	—	—	—	—	<b>608-435</b>	25	<b>B608-435</b>	90

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

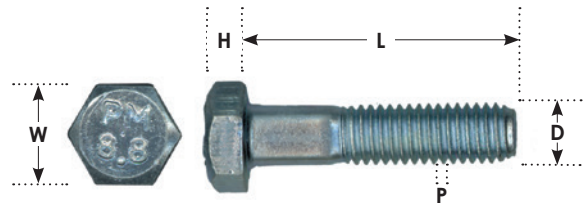


**608**  
Series

# paulin<sup>®</sup> METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 931 = ISO 4014 Partial Thread  
806BU | DIN 933 = ISO 4017 Full Thread



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

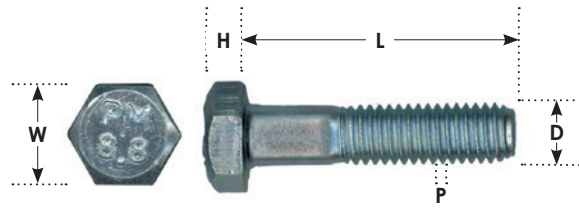
ZINC										
Diameter-Pitch: <b>M16-2.00</b>							Across Flats: <b>24</b> Height: <b>10</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	933	15.44	—	—	—	—	<b>608-462</b>	25	<b>B608-462</b>	400
30 mm	933	17.06	—	—	—	—	<b>608-464</b>	25	<b>B608-464</b>	225
35 mm	933	18.36	—	—	—	—	<b>608-465</b>	25	<b>B608-465</b>	200
40 mm	933	20.18	—	—	—	—	<b>608-466</b>	25	<b>B608-466</b>	200
45 mm	933	21.74	—	—	—	—	<b>608-467</b>	25	<b>B608-467</b>	175
50 mm	931	23.46	—	—	—	—	<b>608-468</b>	25	<b>B608-468</b>	165
50 mm	933	23.46	—	—	—	—	<b>608-468TFL</b>	25	<b>B608-468TFL</b>	165
55 mm	931	25.20	—	—	—	—	<b>608-469</b>	25	<b>B608-469</b>	150
60 mm	931	26.68	—	—	—	—	<b>608-470</b>	25	<b>B608-470</b>	150
65 mm	931	28.40	—	—	—	—	<b>608-471</b>	25	<b>B608-471</b>	125
70 mm	931	30.08	—	—	—	—	<b>608-472</b>	25	<b>B608-472</b>	125
75 mm	931	31.80	—	—	—	—	<b>608-473</b>	25	<b>B608-473</b>	125
80 mm	931	33.28	—	—	—	—	<b>608-474</b>	25	<b>B608-474</b>	110
90 mm	931	37.42	—	—	—	—	<b>608-475</b>	25	<b>B608-475</b>	100
100 mm	931	40.00	—	—	—	—	<b>608-476</b>	25	<b>B608-476</b>	95
110 mm	931	44.12	—	—	—	—	<b>608-477</b>	25	<b>B608-477</b>	90
120 mm	931	47.36	—	—	—	—	<b>608-478</b>	25	<b>B608-478</b>	80
130 mm	931	50.42	—	—	—	—	<b>608-479</b>	25	<b>B608-479</b>	75
140 mm	931	52.88	—	—	—	—	<b>608-480</b>	25	<b>B608-480</b>	70
150 mm	931	56.36	—	—	—	—	<b>608-481</b>	25	<b>B608-481</b>	70
160 mm	931	60.96	—	—	—	—	<b>608-482</b>	25	<b>B608-482</b>	65
180 mm	931	67.60	—	—	—	—	<b>608-484</b>	25	<b>B608-484</b>	55
200 mm	931	74.40	—	—	—	—	<b>608-486</b>	25	<b>B608-486</b>	50

**608**  
Series

**paulin** METRIC HEX HEAD CAP SCREWS

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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

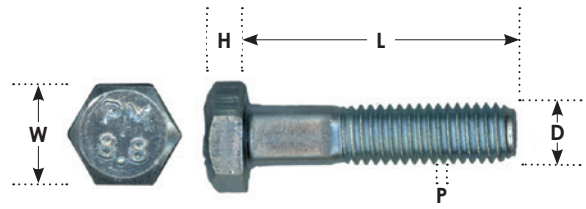
ZINC										
Diameter-Pitch: <b>M18-2.50</b>							Across Flats: <b>27</b> Height: <b>11.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	933	26.66	—	—	—	—	<b>608-500</b>	25	<b>B608-500</b>	200
50 mm	933	30.48	—	—	—	—	<b>608-502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

**608**  
Series

# paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 931 = ISO 4014 Partial Thread  
806BU | DIN 933 = ISO 4017 Full Thread



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

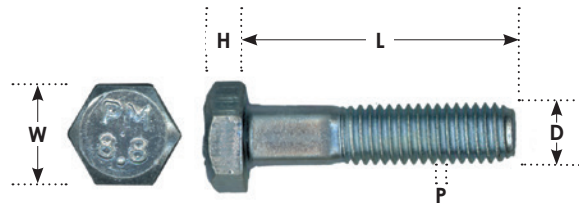
ZINC										
Diameter-Pitch: <b>M20-2.50</b>							Across Flats: <b>30</b> Height: <b>12.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	32.43	—	—	—	—	—	—	<b>B608-518</b>	130
40 mm	933	34.92	—	—	—	—	<b>608-520</b>	25	<b>B608-520</b>	110
45 mm	933	36.60	—	—	—	—	<b>608-521</b>	25	<b>B608-521</b>	100
50 mm	933	39.14	—	—	—	—	<b>608-522</b>	25	<b>B608-522</b>	100
60 mm	933	43.80	—	—	—	—	<b>608-524</b>	25	<b>B608-524</b>	90
70 mm	931	49.32	—	—	—	—	<b>608-526</b>	25	<b>B608-526</b>	80
75 mm	931	52.08	—	—	—	—	<b>608-527</b>	25	<b>B608-527</b>	75
80 mm	931	55.10	—	—	—	—	<b>608-528</b>	25	<b>B608-528</b>	70
90 mm	931	60.08	—	—	—	—	<b>608-529</b>	25	<b>B608-529</b>	65
100 mm	931	65.66	—	—	—	—	<b>608-530</b>	25	<b>B608-530</b>	60
110 mm	931	72.60	—	—	—	—	—	—	<b>B608-531</b>	55
120 mm	931	76.16	—	—	—	—	<b>608-532</b>	25	<b>B608-532</b>	50
130 mm	931	82.30	—	—	—	—	<b>608-533</b>	10	<b>B608-533</b>	45
140 mm	931	88.50	—	—	—	—	<b>608-534</b>	10	<b>B608-534</b>	45
150 mm	931	92.40	—	—	—	—	<b>608-535</b>	10	<b>B608-535</b>	40
160 mm	931	97.50	—	—	—	—	<b>608-536</b>	10	<b>B608-536</b>	35
170 mm	931	102.12	—	—	—	—	<b>608-537</b>	10	<b>B608-537</b>	35
180 mm	931	108.20	—	—	—	—	<b>608-538</b>	10	<b>B608-538</b>	35
200 mm	931	119.00	—	—	—	—	<b>608-540</b>	10	<b>B608-540</b>	30

**608**  
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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

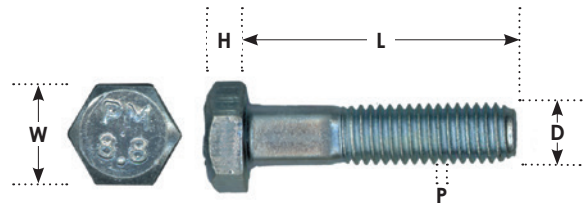
ZINC										
Diameter-Pitch: <b>M24-3.00</b>							Across Flats: <b>36</b> Height: <b>15</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	933	54.46	—	—	—	—	<b>608-551</b>	25	<b>B608-551</b>	70
50 mm	933	60.28	—	—	—	—	<b>608-552</b>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

**609**  
Series

# paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 960 = ISO 8676 Partial Thread  
806BU | DIN 961 = ISO 8765 Full Thread



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										
Diameter-Pitch: <b>M8-1.00</b>							Across Flats (W): <b>13</b> Height: <b>5.3</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	961	2.56	—	—	—	—	<b>609-314</b>	50	<b>B609-314</b>	1800
20 mm	961	2.73	—	—	<b>024-120</b>	7	<b>609-316</b>	50	<b>B609-316</b>	1500
25 mm	961	3.08	—	—	—	—	<b>609-318</b>	50	<b>B609-318</b>	1400
30 mm	961	3.42	—	—	<b>024-122</b>	7	<b>609-320</b>	50	<b>B609-320</b>	1150
35 mm	961	3.95	—	—	—	—	<b>609-321TFL</b>	50	<b>B609-321TFL</b>	1000
40 mm	961	4.36	—	—	<b>024-124</b>	6	<b>609-322</b>	50	<b>B609-322</b>	925
40 mm	961	4.36	—	—	—	—	<b>609-322TFL</b>	50	<b>B609-322TFL</b>	925
45 mm	961	4.68	—	—	—	—	<b>609-323TFL</b>	50	<b>B609-323TFL</b>	850
50 mm	960	5.32	—	—	<b>024-126</b>	5	<b>609-324</b>	50	<b>B609-324</b>	750
50 mm	961	5.32	—	—	—	—	<b>609-324TFL</b>	50	<b>B609-324TFL</b>	750

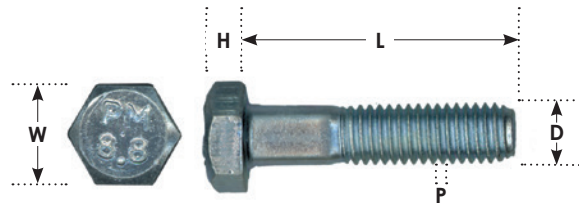
Diameter-Pitch: <b>M10-1.25</b>							Across Flats (W): <b>16</b> Height: <b>6.4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	961	5.32	—	—	—	—	<b>609-364</b>	50	<b>B609-364</b>	950
20 mm	961	4.57	—	—	<b>024-130</b>	4	<b>609-366</b>	25	<b>B609-366</b>	850
25 mm	961	4.90	—	—	<b>024-131</b>	3	<b>609-368</b>	25	<b>B609-368</b>	750
30 mm	961	5.48	<b>009-156</b>	1	<b>024-132</b>	3	<b>609-370</b>	25	<b>B609-370</b>	700
35 mm	961	6.04	—	—	<b>024-133</b>	4	<b>609-371</b>	25	—	—
40 mm	960	6.68	<b>009-157</b>	1	<b>024-134</b>	3	<b>609-372</b>	25	<b>B609-372</b>	550
40 mm	961	6.68	—	—	—	—	<b>609-372TFL</b>	25	<b>B609-372TFL</b>	550
45 mm	960	8.06	—	—	—	—	<b>609-373</b>	25	<b>B609-373</b>	500
50 mm	960	8.66	<b>009-158</b>	1	<b>024-136</b>	3	<b>609-374</b>	25	<b>B609-374</b>	450
60 mm	960	10.02	—	—	<b>024-138</b>	2	<b>609-376</b>	25	<b>B609-376</b>	400
70 mm	960	11.74	—	—	—	—	<b>609-378</b>	25	<b>B609-378</b>	350
80 mm	960	13.06	—	—	—	—	<b>609-380</b>	25	<b>B609-380</b>	300
90 mm	960	13.62	—	—	—	—	<b>609-382</b>	25	<b>B609-382</b>	250
100 mm	960	15.74	—	—	—	—	<b>609-384</b>	25	<b>B609-384</b>	250

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Series

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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										
Diameter-Pitch: <b>M12-1.50</b>							Across Flats (W): <b>18</b> Height: <b>7.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	961	7.18	—	—	—	—	<b>609-410</b>	25	<b>B609-410</b>	600
25 mm	961	8.00	—	—	—	—	<b>609-412</b>	25	<b>B609-412</b>	650
30 mm	961	8.72	<b>009-159</b>	1	<b>024-144</b>	3	<b>609-414</b>	25	<b>B609-414</b>	450
35 mm	961	9.68	—	—	—	—	<b>609-415</b>	25	<b>B609-415</b>	500
40 mm	961	10.38	<b>009-160</b>	1	<b>024-146</b>	2	<b>609-416</b>	25	<b>B609-416</b>	370
45 mm	961	10.92	—	—	—	—	<b>609-417</b>	25	<b>B609-417</b>	325
50 mm	961	11.98	<b>009-161</b>	1	<b>024-148</b>	2	<b>609-418</b>	25	<b>B609-418</b>	300
55 mm	960	13.84	—	—	—	—	<b>609-419</b>	25	<b>B609-419</b>	275
60 mm	960	14.68	—	—	—	—	<b>609-420</b>	25	<b>B609-420</b>	260
65 mm	960	15.20	—	—	—	—	<b>609-421</b>	25	<b>B609-421</b>	250
70 mm	960	17.88	—	—	—	—	<b>609-422</b>	25	<b>B609-422</b>	225
80 mm	960	18.40	—	—	—	—	<b>609-424</b>	25	<b>B609-424</b>	200
90 mm	960	20.38	—	—	—	—	<b>609-425</b>	25	<b>B609-425</b>	250
100 mm	960	22.38	—	—	—	—	<b>609-426</b>	25	<b>B609-426</b>	175

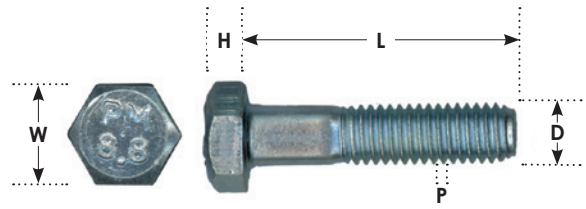
Diameter-Pitch: <b>M14-1.50</b>							Across Flats (W): <b>21</b> Height: <b>8.8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	961	11.64	—	—	—	—	<b>609-436</b>	25	<b>B609-436</b>	350
30 mm	961	12.68	—	—	—	—	<b>609-438</b>	25	<b>B609-438</b>	325
35 mm	961	14.16	—	—	—	—	<b>609-439</b>	25	<b>B609-439</b>	300
40 mm	961	15.20	—	—	—	—	<b>609-440</b>	25	<b>B609-440</b>	275
45 mm	961	16.40	—	—	—	—	<b>609-441</b>	25	<b>B609-441</b>	250
50 mm	960	18.04	—	—	—	—	<b>609-442</b>	25	<b>B609-442</b>	230
55 mm	961	18.96	—	—	—	—	<b>609-443TFL</b>	25	<b>B609-443TFL</b>	250
60 mm	960	21.62	—	—	—	—	<b>609-444</b>	25	<b>B609-444</b>	200
70 mm	960	23.20	—	—	—	—	<b>609-446</b>	25	<b>B609-446</b>	175
80 mm	960	26.10	—	—	—	—	<b>609-448</b>	25	<b>B609-448</b>	150

**609**  
Series

# paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 960 = ISO 8676 Partial Thread  
806BU | DIN 961 = ISO 8765 Full Thread



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										
Diameter-Pitch: <b>M16-1.50</b>							Across Flats (W): <b>24</b> Height: <b>10</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	961	17.18	—	—	—	—	<b>609-464</b>	25	<b>B609-464</b>	225
40 mm	961	20.54	—	—	—	—	<b>609-466</b>	25	<b>B609-466</b>	200
50 mm	961	23.74	—	—	—	—	<b>609-468</b>	25	<b>B609-468</b>	165
60 mm	960	27.52	—	—	—	—	<b>609-470</b>	25	<b>B609-470</b>	150
70 mm	960	30.84	—	—	—	—	<b>609-472</b>	25	—	—
80 mm	960	34.10	—	—	—	—	<b>609-474</b>	25	<b>B609-474</b>	110
90 mm	960	37.58	—	—	—	—	<b>609-475</b>	25	<b>B609-475</b>	100
100 mm	960	39.14	—	—	—	—	<b>609-476</b>	25	<b>B609-476</b>	95
110 mm	960	42.50	—	—	—	—	<b>609-477</b>	25	<b>B609-477</b>	90

ZINC										
Diameter-Pitch: <b>M18-1.50</b>							Across Flats (W): <b>27</b> Height: <b>11.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	961	28.14	—	—	—	—	<b>609-500</b>	25	<b>B609-500</b>	200
50 mm	961	32.89	—	—	—	—	<b>609-502</b>	25	<b>B609-502</b>	180
60 mm	960	37.02	—	—	—	—	<b>609-504</b>	25	<b>B609-504</b>	150
70 mm	960	40.58	—	—	—	—	<b>609-506</b>	25	<b>B609-506</b>	130
80 mm	960	44.90	—	—	—	—	<b>609-508</b>	25	<b>B609-508</b>	100
90 mm	960	48.94	—	—	—	—	<b>609-509</b>	25	—	—

ISO Extra Fine Thread

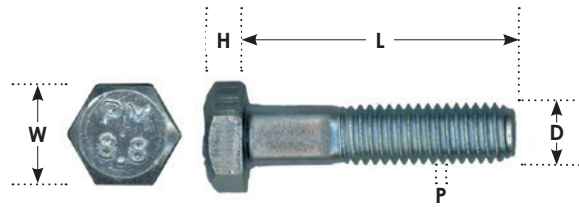
ZINC										
Diameter-Pitch: <b>M20-1.50</b>							Across Flats (W): <b>30</b> Height: <b>12.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	961	40.50	—	—	—	—	<b>609-522</b>	10	<b>B609-522</b>	100
60 mm	961	46.20	—	—	—	—	<b>609-524</b>	10	<b>B609-524</b>	90
70 mm	960	51.75	—	—	—	—	<b>609-526</b>	10	<b>B609-526</b>	80
80 mm	960	57.20	—	—	—	—	<b>609-528</b>	10	<b>B609-528</b>	70
90 mm	960	62.43	—	—	—	—	<b>609-529</b>	10	<b>B609-529</b>	65
100 mm	960	73.50	—	—	—	—	<b>609-530</b>	10	<b>B609-530</b>	60

**610**  
Series

# paulin® METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AI | DIN 960 = ISO 8676 Partial Thread  
806BU | DIN 961 = ISO 8765 Full Thread



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										
Diameter-Pitch: <b>M8-1.00</b>							Across Flats (W): <b>13</b> Height: <b>5.3</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	961	4.00	—	—	—	—	<b>610-070</b>	25	—	—

ZINC										
Diameter-Pitch: <b>M10-1.25</b>							Across Flats (W): <b>17</b> Height: <b>6.4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	960	4.00	—	—	—	—	<b>610-090</b>	25	—	—

ISO Extra Fine Thread

ZINC										
Diameter-Pitch: <b>M10-1.00</b>							Across Flats (W): <b>17</b> Height: <b>6.4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	960	5.32	—	—	<b>024-170</b>	4	<b>610-366</b>	25	—	—
25 mm	960	4.00	—	—	<b>024-171</b>	3	<b>610-368</b>	25	—	—
30 mm	960	6.00	—	—	<b>024-172</b>	3	<b>610-370</b>	25	—	—
40 mm	960	7.14	—	—	<b>024-174</b>	3	<b>610-372</b>	25	—	—
50 mm	960	8.88	—	—	<b>024-176</b>	3	<b>610-374</b>	25	—	—

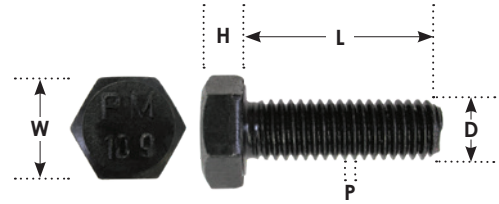
ZINC										
Diameter-Pitch: <b>M12-1.25</b>							Across Flats (W): <b>19</b> Height: <b>7.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	960	8.80	<b>009-162</b>	1	<b>024-184</b>	2	<b>610-414</b>	25	—	—
40 mm	960	10.60	<b>009-163</b>	1	<b>024-186</b>	2	<b>610-416</b>	25	—	—
50 mm	960	12.54	<b>009-164</b>	1	<b>024-188</b>	2	<b>610-418</b>	25	—	—



**612**  
Series

**paulin** METRIC HEX HEAD BOLTS

PART CLASS #  
806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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

<b>BARE METAL (PLAIN)</b>										
Diameter-Pitch: <b>M6-1.00</b>							Across Flats: <b>10</b> Height: <b>4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	1.32	—	—	—	—	<b>612-272</b>	100	<b>B612-272</b>	3000
25 mm	933	1.53	—	—	—	—	<b>612-274</b>	100	<b>B612-274</b>	2500
30 mm	931	1.77	—	—	—	—	<b>612-276</b>	100	<b>B612-276</b>	2200
35 mm	931	2.02	—	—	—	—	<b>612-277</b>	100	<b>B612-277</b>	1900
40 mm	931	2.26	—	—	—	—	<b>612-278</b>	100	<b>B612-278</b>	1750
45 mm	931	2.53	—	—	—	—	<b>612-279</b>	100	<b>B612-279</b>	1600
50 mm	931	2.79	—	—	—	—	<b>612-280</b>	100	<b>B612-280</b>	1400
60 mm	931	3.24	—	—	—	—	<b>612-283</b>	100	<b>B612-283</b>	1000
70 mm	931	3.72	—	—	—	—	<b>612-285</b>	100	<b>B612-285</b>	900
80 mm	931	4.28	—	—	—	—	<b>612-287</b>	100	<b>B612-287</b>	800

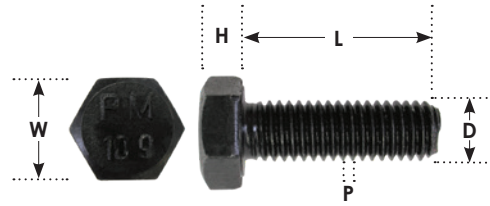
Diameter-Pitch: <b>M8-1.25</b>										
Across Flats: <b>13</b> Height: <b>5.3</b>										
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	2.36	—	—	—	—	<b>612-314</b>	100	<b>B612-314</b>	1700
20 mm	933	2.63	—	—	—	—	<b>612-316</b>	100	<b>B612-316</b>	1500
25 mm	933	2.98	—	—	—	—	<b>612-318</b>	100	<b>B612-318</b>	1350
30 mm	933	3.32	—	—	—	—	<b>612-320</b>	100	<b>B612-320</b>	1150
35 mm	931	3.79	—	—	—	—	<b>612-321</b>	100	<b>B612-321</b>	1000
40 mm	931	4.32	—	—	—	—	<b>612-322</b>	100	<b>B612-322</b>	925
45 mm	931	4.73	—	—	—	—	<b>612-323</b>	100	<b>B612-323</b>	850
50 mm	931	5.13	—	—	—	—	<b>612-324</b>	100	<b>B612-324</b>	750
55 mm	931	5.56	—	—	—	—	<b>612-325</b>	100	<b>B612-325</b>	700
60 mm	931	6.00	—	—	—	—	<b>612-326</b>	100	<b>B612-326</b>	650
70 mm	931	6.86	—	—	—	—	<b>612-328</b>	100	<b>B612-328</b>	550

**612**  
Series

**paulin** METRIC HEX HEAD BOLTS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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	—	—	—	—	<b>612-364</b>	100	<b>B612-364</b>	950
20 mm	933	7.03	—	—	—	—	<b>612-366</b>	100	<b>B612-366</b>	850
25 mm	933	5.41	—	—	—	—	<b>612-368</b>	100	<b>B612-368</b>	750
30 mm	933	5.98	—	—	—	—	<b>612-370</b>	100	<b>B612-370</b>	700
35 mm	933	6.49	—	—	—	—	<b>612-371</b>	100	<b>B612-371</b>	600
40 mm	931	7.24	—	—	—	—	<b>612-372</b>	100	<b>B612-372</b>	550
45 mm	931	8.15	—	—	—	—	<b>612-373</b>	100	<b>B612-373</b>	500
50 mm	931	8.62	—	—	—	—	<b>612-374</b>	100	<b>B612-374</b>	450
60 mm	931	9.92	—	—	—	—	<b>612-376</b>	100	<b>B612-376</b>	400
70 mm	931	11.22	—	—	—	—	<b>612-378</b>	100	<b>B612-378</b>	350
80 mm	931	12.69	—	—	—	—	<b>612-380</b>	100	<b>B612-380</b>	300

Diameter-Pitch: **M12-1.75**

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

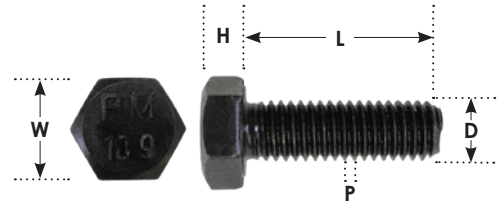
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	933	7.05	—	—	—	—	<b>612-410</b>	50	<b>B612-410</b>	600
25 mm	933	7.75	—	—	—	—	<b>612-412</b>	50	<b>B612-412</b>	500
30 mm	933	8.57	—	—	—	—	<b>612-414</b>	50	<b>B612-414</b>	450
35 mm	933	9.56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

**612**  
Series

**paulin** METRIC HEX HEAD BOLTS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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

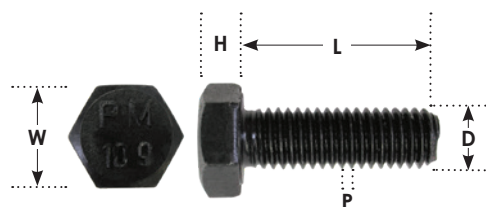
BARE METAL (PLAIN)										
Diameter-Pitch: <b>M14-2.00</b>							Across Flats: <b>21</b> Height: <b>8.8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	12.64	—	—	—	—	<b>612-438</b>	25	<b>B612-438</b>	325
35 mm	933	14.06	—	—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

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

# 612 Series **paulin** METRIC HEX HEAD BOLTS

**PART CLASS #**  
 806AJ | DIN 931 = ISO 4014 Partial Thread  
 806BV | DIN 933 = ISO 4017 Full Thread



**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

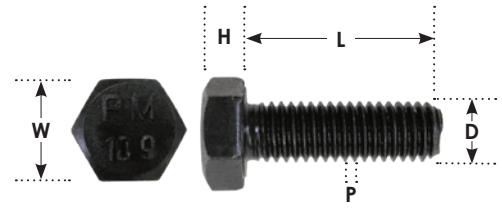
<b>BARE METAL (PLAIN)</b>										
Diameter-Pitch: <b>M20-2.50</b>							Across Flats: <b>30</b> Height: <b>12.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	933	32.18	—	—	—	—	<b>612-518</b>	25	<b>B612-518</b>	130
35 mm	933	33.49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

**612**  
Series

# paulin<sup>®</sup> METRIC HEX HEAD BOLTS

PART CLASS #

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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

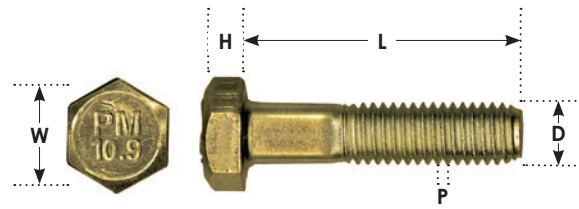
Diameter-Pitch: <b>M24-3.00</b>							Across Flats: <b>36</b> Height: <b>15</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	933	60.60	—	—	—	—	<b>612-552</b>	25	<b>B612-552</b>	65
60 mm	933	67.56	—	—	—	—	<b>612-554</b>	25	<b>B612-554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

**613**  
Series

**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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**

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	—	—	—	—	—	<b>613-139</b>	100	—	—
20 mm	933	—	—	—	—	—	<b>613-141</b>	100	—	—
25 mm	933	—	—	—	—	—	<b>613-143</b>	100	—	—

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

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

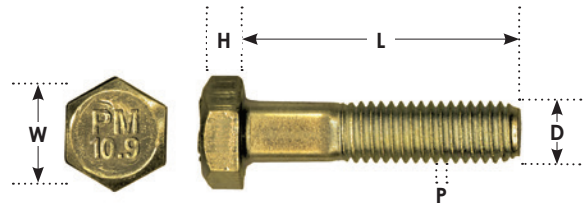
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	933	0.63	—	—	—	—	<b>613-198</b>	100	—	—
16 mm	933	0.75	—	—	—	—	<b>613-201</b>	100	—	—
20 mm	933	0.84	—	—	—	—	<b>613-203</b>	100	—	—
25 mm	933	0.97	—	—	—	—	<b>613-205</b>	100	—	—

**613**  
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ORDER BY ITEM (PACKAGE) NUMBER

ISO Coarse Thread

Product not available in this pack size

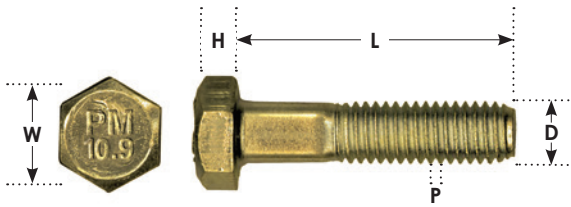
YELLOW ZINC										
Diameter-Pitch: <b>M6-1.00</b>							Across Flats: <b>10</b> Height: <b>4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	931	0.92	—	—	—	—	<b>613-266</b>	100	<b>B613-266</b>	3300
12 mm	933	1.02	—	—	—	—	<b>613-267</b>	100	—	—
14 mm	931	1.08	—	—	—	—	<b>613-268</b>	100	<b>B613-268</b>	3000
16 mm	933	1.17	—	—	—	—	<b>613-270</b>	100	<b>B613-270</b>	3000
20 mm	933	1.32	<b>009-001</b>	9	—	—	<b>613-272</b>	100	<b>B613-272</b>	2500
25 mm	933	1.53	<b>009-002</b>	8	—	—	<b>613-274</b>	100	<b>B613-274</b>	2200
30 mm	931	1.80	<b>009-003</b>	7	—	—	<b>613-276</b>	100	—	—
30 mm	933	1.80	—	—	—	—	<b>613-276TFL</b>	100	<b>B613-276TFL</b>	1900
35 mm	931	2.02	<b>009-004</b>	6	—	—	<b>613-277</b>	100	—	—
35 mm	933	2.02	—	—	—	—	<b>613-277TFL</b>	100	<b>B613-277TFL</b>	1600
40 mm	931	2.25	<b>009-005</b>	5	—	—	<b>613-278</b>	100	—	—
40 mm	933	2.25	—	—	—	—	<b>613-278TFL</b>	100	<b>B613-278TFL</b>	1400
45 mm	931	2.55	—	—	—	—	<b>613-279</b>	100	—	—
50 mm	931	2.70	—	—	—	—	<b>613-280</b>	100	<b>B613-280</b>	1200
55 mm	931	2.97	—	—	—	—	<b>613-281</b>	100	<b>B613-281</b>	1000
60 mm	931	3.23	—	—	—	—	<b>613-283</b>	100	<b>B613-283</b>	900
65 mm	931	—	—	—	—	—	<b>613-284</b>	100	<b>B613-284</b>	750
70 mm	931	3.82	—	—	—	—	<b>613-285</b>	100	—	—
75 mm	931	—	—	—	—	—	<b>613-286</b>	100	<b>B613-286</b>	750
80 mm	931	4.29	—	—	—	—	<b>613-287</b>	100	—	—
90 mm	931	4.53	—	—	—	—	<b>613-289</b>	100	<b>B613-289</b>	550
100 mm	933	4.92	—	—	—	—	<b>613-291</b>	100	<b>B613-291</b>	450

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**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**

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

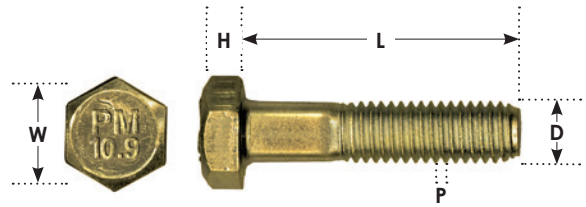


**613**  
Series

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PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
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A/F = Across Flats (W)    W = Width    H = Height    L = Length    D = Diameter    P = Pitch

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ISO Coarse Thread

Product not available in this pack size

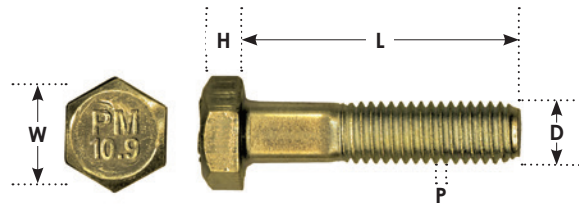
YELLOW ZINC										
Diameter-Pitch: <b>M10-1.50</b>							Across Flats: <b>16</b> Height: <b>6.4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	933	4.42	—	—	—	—	<b>613-364</b>	100	<b>B613-364</b>	1200
20 mm	933	4.80	<b>009-013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

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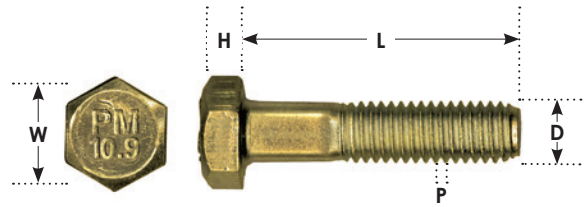
YELLOW ZINC										
Diameter-Pitch: <b>M12-1.75</b>							Across Flats: <b>18</b> Height: <b>7.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	931	7.00	—	—	—	—	<b>613-410</b>	50	<b>B613-410</b>	700
25 mm	933	7.78	—	—	—	—	<b>613-412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

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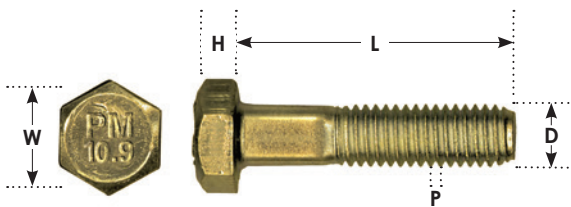
YELLOW ZINC										
Diameter-Pitch: <b>M14-2.00</b>							Across Flats: <b>21</b> Height: <b>8.8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	933	11.50	—	—	—	—	<b>613-436</b>	25	—	—
30 mm	933	12.74	—	—	—	—	<b>613-438</b>	25	—	—
35 mm	931	13.60	—	—	—	—	<b>613-439</b>	25	<b>B613-439</b>	300
40 mm	933	15.16	—	—	—	—	<b>613-440</b>	25	—	—
45 mm	931	16.10	—	—	—	—	<b>613-441</b>	25	<b>B613-441</b>	275
50 mm	931	17.30	—	—	—	—	<b>613-442</b>	25	—	—
50 mm	933	17.30	—	—	—	—	<b>613-442TFL</b>	25	<b>B613-442TFL</b>	250
55 mm	931	18.98	—	—	—	—	<b>613-443</b>	25	<b>B613-443</b>	225
60 mm	931	20.44	—	—	—	—	<b>613-444</b>	25	—	—
65 mm	931	21.64	—	—	—	—	<b>613-445</b>	25	<b>B613-445</b>	200
70 mm	931	23.12	—	—	—	—	<b>613-446</b>	25	—	—
75 mm	931	24.34	—	—	—	—	<b>613-447</b>	25	<b>B613-447</b>	200
80 mm	931	25.32	—	—	—	—	<b>613-448</b>	25	—	—
90 mm	931	26.74	—	—	—	—	<b>613-449</b>	25	—	—
100 mm	931	30.84	—	—	—	—	<b>613-450</b>	25	—	—
110 mm	931	33.30	—	—	—	—	<b>613-451</b>	25	—	—
120 mm	931	35.92	—	—	—	—	<b>613-452</b>	25	—	—

**613**  
Series

**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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

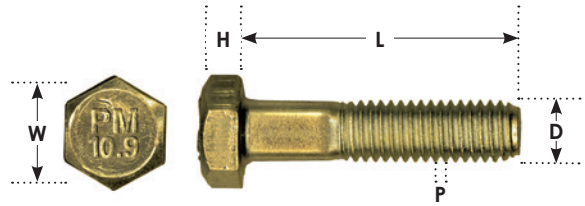
YELLOW ZINC											
Diameter-Pitch: <b>M16-2.00</b>							Across Flats: <b>24</b> Height: <b>10</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
25 mm	933	15.70	—	—	—	—	<b>613-462</b>	25	—	—	
30 mm	933	16.80	—	—	—	—	<b>613-464</b>	25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

**613**  
Series

# paulin<sup>®</sup> METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
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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

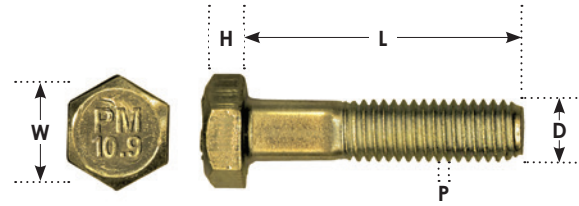
YELLOW ZINC										
Diameter-Pitch: <b>M18-2.50</b>							Across Flats: <b>27</b> Height: <b>11.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	23.30	—	—	—	—	<b>613-498</b>	25	<b>B613-498</b>	225
35 mm	931	25.26	—	—	—	—	<b>613-499</b>	25	<b>B613-499</b>	200
40 mm	933	26.58	—	—	—	—	<b>613-500</b>	25	—	—
45 mm	931	28.40	—	—	—	—	<b>613-501</b>	25	<b>B613-501</b>	175
50 mm	933	32.98	—	—	—	—	<b>613-502</b>	25	—	—
55 mm	933	32.04	—	—	—	—	<b>613-503TFL</b>	25	<b>B613-503TFL</b>	150
60 mm	931	34.40	—	—	—	—	<b>613-504</b>	25	—	—
65 mm	931	36.98	—	—	—	—	<b>613-505</b>	25	<b>B613-505</b>	125
70 mm	931	39.18	—	—	—	—	<b>613-506</b>	25	—	—
80 mm	931	43.20	—	—	—	—	<b>613-508</b>	25	—	—
90 mm	931	47.70	—	—	—	—	<b>613-509</b>	25	—	—
100 mm	931	51.96	—	—	—	—	<b>613-510</b>	25	—	—
110 mm	931	56.16	—	—	—	—	<b>613-511</b>	25	—	—
120 mm	931	60.86	—	—	—	—	<b>613-512</b>	25	—	—
130 mm	931	64.10	—	—	—	—	<b>613-513</b>	25	—	—
140 mm	931	68.82	—	—	—	—	<b>613-514</b>	25	—	—
150 mm	931	73.54	—	—	—	—	<b>613-515</b>	25	—	—
160 mm	931	77.76	—	—	—	—	<b>613-516</b>	25	<b>B613-516</b>	65
180 mm	931	83.02	—	—	—	—	<b>613-491</b>	25	<b>B613-491</b>	55
200 mm	931	94.64	—	—	—	—	<b>613-493</b>	25	<b>B613-493</b>	50

**613**  
Series

**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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

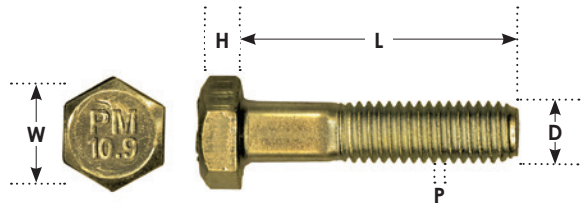
YELLOW ZINC											
Diameter-Pitch: <b>M20-2.50</b>							Across Flats: <b>30</b> Height: <b>12.5</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
40 mm	933	34.72	—	—	—	—	<b>613-520</b>	25	—	—	
45 mm	933	36.40	—	—	—	—	<b>613-521</b>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

**613**  
Series

# paulin METRIC HEX HEAD CAP SCREWS

PART CLASS #

806AJ | DIN 931 = ISO 4014 Partial Thread  
806BV | DIN 933 = ISO 4017 Full Thread



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

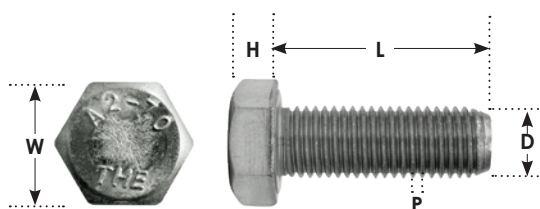
YELLOW ZINC											
Diameter-Pitch: <b>M24-3.00</b>							Across Flats: <b>36</b> Height: <b>15</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
40 mm	931	53.46	—	—	—	—	<b>613-550</b>	25	<b>B613-550</b>	55	
45 mm	931	56.90	—	—	—	—	<b>613-551</b>	25	<b>B613-551</b>	55	
50 mm	933	60.48	—	—	—	—	<b>613-552</b>	25	—	—	
55 mm	931	62.98	—	—	—	—	<b>613-553</b>	25	<b>B613-553</b>	50	
60 mm	933	66.88	—	—	—	—	<b>613-554</b>	25	—	—	
70 mm	933	73.92	—	—	—	—	<b>613-556</b>	25	—	—	
80 mm	931	83.32	—	—	—	—	<b>613-558</b>	25	—	—	
90 mm	931	91.65	—	—	—	—	<b>613-559</b>	10	—	—	
100 mm	931	98.45	—	—	—	—	<b>613-560</b>	10	—	—	
110 mm	931	107.00	—	—	—	—	<b>613-561</b>	10	—	—	
120 mm	931	114.55	—	—	—	—	<b>613-562</b>	10	—	—	
130 mm	931	133.95	—	—	—	—	<b>613-563</b>	10	—	—	
140 mm	931	128.25	—	—	—	—	<b>613-564</b>	10	—	—	
150 mm	931	137.35	—	—	—	—	<b>613-565</b>	10	—	—	
160 mm	931	145.75	—	—	—	—	<b>613-566</b>	10	—	—	
180 mm	931	160.20	—	—	—	—	<b>613-568</b>	10	—	—	
200 mm	931	174.80	—	—	—	—	<b>613-570</b>	10	<b>B613-570</b>	18	

**5900**  
Series

# naulin METRIC HEX HEAD CAP SCREWS

**PART CLASS #**

806AJ | DIN 931 = ISO 4014 Partial Thread  
806AO | DIN 933 = ISO 4017 Full Thread



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

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

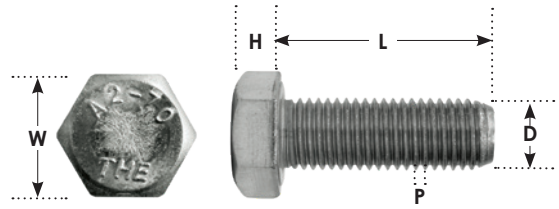


**5900**  
Series

# paulin<sup>®</sup> METRIC HEX HEAD CAP SCREWS

**PART CLASS #**

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

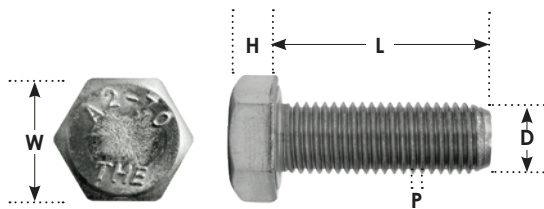
Diameter-Pitch: <b>M12-1.75</b>										
Diameter-Pitch: <b>M12-1.75</b>							Across Flats: <b>19</b> Height: <b>7.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	8.16	—	—	—	—	<b>5900-609</b>	25	<b>B5900-609</b>	700
30 mm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

**5900**  
Series

**paulin** METRIC HEX HEAD CAP SCREWS

PART CLASS #

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

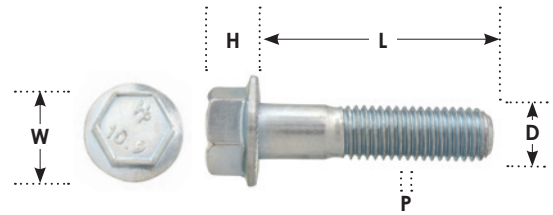
  

Diameter-Pitch: <b>M20-2.50</b>										
							Across Flats: <b>30</b> Height: <b>12.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	933	39.60	—	—	—	—	<b>5900-816</b>	5	—	—
70 mm	933	20.00	—	—	—	—	<b>5900-819</b>	5	—	—

**611**  
Series

**paulin** FLANGE BOLTS - METRIC

PART CLASS #  
806BT | JIS B1189



**FLANGE BOLTS** feature a broad surface under the head which acts like a washer. These fasteners are used in automobile and industrial manufacturing. Zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor and industrial applications. Property Class: 10.9. Tensile strength 1040 MPa or about 150,000 p.s.i., similar to SAE Grade 8. Made from alloy steel, quenched and tempered. Similar to Grade 8 strength. Head marking 10.9.

**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

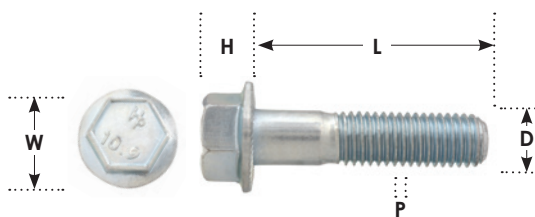
ZINC								
Diameter-Pitch: <b>M6-1.00</b>								
Across Flats (W): <b>10</b> Height: <b>6</b>								
Length	JIS	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
12 mm	JIS B1189	1.40	<b>009-113</b>	4	<b>024-802</b>	8	<b>611-267</b>	20
16 mm	JIS B1189	1.55	<b>009-114</b>	4	<b>024-803</b>	8	<b>611-270</b>	20
20 mm	JIS B1189	1.68	<b>009-115</b>	4	<b>024-804</b>	7	<b>611-272</b>	20
25 mm	JIS B1189	2.00	—	—	<b>024-805</b>	6	<b>611-274</b>	20
30 mm	JIS B1189	2.28	<b>009-116</b>	4	<b>024-806</b>	6	<b>611-276</b>	20
35 mm	JIS B1189	2.48	—	—	<b>024-807</b>	5	<b>611-277</b>	20
40 mm	JIS B1189	2.50	<b>009-117</b>	2	<b>024-808</b>	5	<b>611-278</b>	20
45 mm	JIS B1189	2.65	—	—	<b>024-809</b>	4	<b>611-279</b>	20

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

**611**  
Series

**paulin® FLANGE BOLTS - METRIC**

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

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



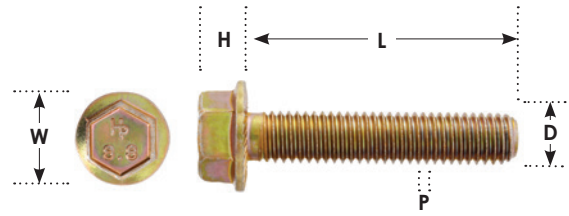
ISO Fine Thread

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

**615**  
Series

**paulin** FLANGE BOLTS - METRIC

PART CLASS #  
806BT | JIS B1189



**FLANGE BOLTS** feature a broad surface under the head which acts like a washer. Yellow zinc plated fasteners have good corrosion resistant qualities and are a good choice for indoor and industrial applications. Class 8.8 fasteners are heat treated and are similar in strength to grade 5 fasteners. Tensile strength: 800 MPa or about 118,000 p.s.i., similar to SAE Grade 5. Head marking 8.8. Made from medium carbon steel.

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								
Diameter-Pitch: <b>M5-.80</b>								
Across Flats (W): <b>8</b> Height: <b>5</b>								
Length	JIS	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
16 mm	JIS B1189	0.94	—	—	—	—	<b>615-205</b>	40
20 mm	JIS B1189	1.03	—	—	—	—	<b>615-207</b>	40

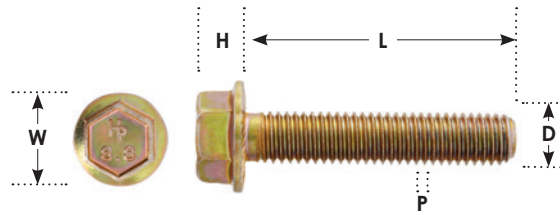
Diameter-Pitch: <b>M6-1.00</b>								
Across Flats (W): <b>10</b> Height: <b>6</b>								
Length	JIS	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
12 mm	JIS B1189	1.40	—	—	—	—	<b>615-253</b>	20
16 mm	JIS B1189	1.53	—	—	—	—	<b>615-255</b>	20
20 mm	JIS B1189	1.70	—	—	—	—	<b>615-257</b>	20
25 mm	JIS B1189	1.88	—	—	—	—	<b>615-260</b>	20
40 mm	JIS B1189	2.53	—	—	—	—	<b>615-266</b>	20

Diameter-Pitch: <b>M8-1.25</b>								
Across Flats (W): <b>12</b> Height: <b>8</b>								
Length	JIS	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
12 mm	JIS B1189	2.50	—	—	—	—	<b>615-303</b>	20
16 mm	JIS B1189	2.75	—	—	—	—	<b>615-305</b>	20
20 mm	JIS B1189	3.15	—	—	—	—	<b>615-307</b>	20
25 mm	JIS B1189	3.48	—	—	—	—	<b>615-310</b>	20
30 mm	JIS B1189	3.85	—	—	—	—	<b>615-312</b>	20
35 mm	JIS B1189	4.20	—	—	—	—	<b>615-314</b>	20
40 mm	JIS B1189	4.50	—	—	—	—	<b>615-316</b>	20

**615**  
Series

**paulin** FLANGE BOLTS - METRIC

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

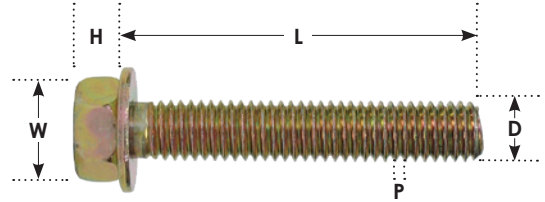
**ISO Extra Fine Thread**

YELLOW ZINC								
Diameter-Pitch: <b>M12-1.25</b>								
Across Flats (W): <b>17</b> Height: <b>12</b>								
Length	JIS	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty
25 mm	JIS B1189	9.70	—	—	—	—	<b>615-410</b>	10
30 mm	JIS B1189	10.45	—	—	—	—	<b>615-412</b>	10
35 mm	JIS B1189	11.45	—	—	—	—	<b>615-414</b>	10
40 mm	JIS B1189	12.20	—	—	—	—	<b>615-416</b>	10
50 mm	JIS B1189	14.05	—	—	—	—	<b>615-420</b>	10
60 mm	JIS B1189	15.50	—	—	—	—	<b>615-424</b>	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										
Diameter-Pitch: <b>M5-.80</b>							Across Flats: <b>8</b> Height: <b>3.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	1.00	—	—	—	—	<b>615-460</b>	40	—	—
30 mm	931	1.20	—	—	—	—	<b>615-462</b>	40	—	—
40 mm	931	1.48	—	—	—	—	<b>615-466</b>	40	—	—

Diameter-Pitch: <b>M6-1.00</b>							Across Flats: <b>10</b> Height: <b>4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	931	0.81	—	—	—	—	<b>615-512</b>	20	—	—
35 mm	931	0.91	—	—	—	—	<b>615-514</b>	20	—	—
45 mm	931	2.48	—	—	—	—	<b>615-518</b>	20	—	—
50 mm	931	2.68	—	—	—	—	<b>615-520</b>	20	—	—

Diameter-Pitch: <b>M8-1.25</b>							Across Flats: <b>13</b> Height: <b>5.3</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
45 mm	931	4.60	—	—	—	—	<b>615-568</b>	15	—	—
50 mm	931	5.00	—	—	—	—	<b>615-570</b>	15	—	—
60 mm	931	5.73	—	—	—	—	<b>615-574</b>	15	—	—

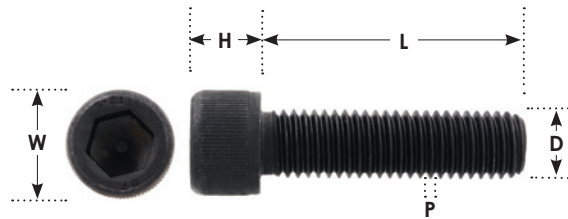
### ISO Fine Thread

Diameter-Pitch: <b>M10-1.25</b>							Across Flats: <b>17</b> Height: <b>6.4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	931	5.50	—	—	—	—	<b>615-610</b>	15	—	—
100 mm	931	14.40	—	—	—	—	<b>615-636</b>	10	—	—

**622**  
Series

**paulin** METRIC SOCKET HEAD CAP SCREWS

PART CLASS #  
806AY<sup>1</sup> 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	—	—	—	—	<b>622-126</b>	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	—	—	—	—	<b>622-136</b>	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	—	—	—	—	<b>622-198</b>	100	—	—
25 mm	912	1.03	—	—	—	—	<b>622-205</b>	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	—	—	—	—	<b>622-266</b>	100	—	—
25 mm	912	1.59	—	—	—	—	<b>622-274</b>	100	—	—
45 mm	912	2.55	—	—	—	—	<b>622-279</b>	100	—	—

Diameter-Pitch: **M8-1.25**

Height: **8** Width: **13** Drive: **6**

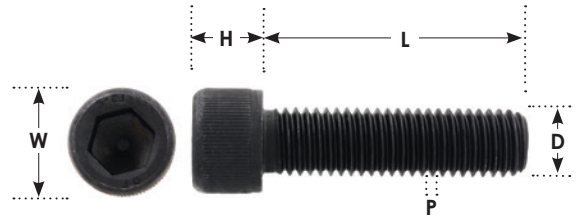
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	912	3.22	—	—	—	—	<b>622-318</b>	100	—	—
30 mm	912	3.59	—	—	—	—	<b>622-320</b>	100	—	—
50 mm	912	5.35	—	—	—	—	<b>622-324</b>	100	—	—



**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

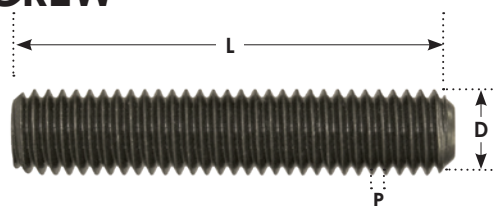
Product not available in this pack size

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

**623**  
Series

**hillman** 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**

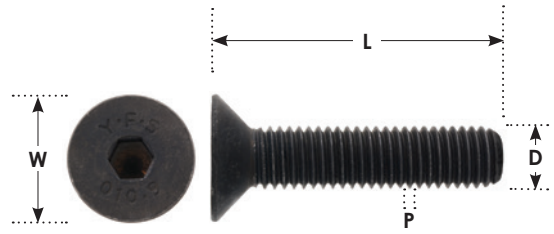
Product not available in this pack size

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

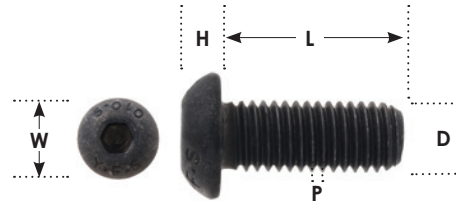
Product not available in this pack size

BLACK OXIDE										
Diameter-Pitch: <b>M4-.70</b>							Width: <b>8</b> Drive: <b>2.5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	7991	0.43	—	—	—	—	<b>623-141</b>	100	—	—
Diameter-Pitch: <b>M5-.80</b>							Width: <b>10</b> Drive: <b>3</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	7991	0.68	—	—	—	—	<b>623-205</b>	100	—	—
Diameter-Pitch: <b>M6-1.00</b>							Width: <b>12</b> Drive: <b>4</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	7991	0.68	—	—	—	—	<b>623-267</b>	100	—	—
35 mm	7991	1.55	—	—	—	—	<b>623-277</b>	100	—	—
Diameter-Pitch: <b>M8-1.25</b>							Width: <b>16</b> Drive: <b>5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	7991	5.03	—	—	—	—	<b>623-318</b>	100	—	—
Diameter-Pitch: <b>M10-1.50</b>							Width: <b>20</b> Drive: <b>6</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
45 mm	7991	6.09	—	—	—	—	<b>623-373</b>	100	—	—
Diameter-Pitch: <b>M12-1.75</b>							Width: <b>24</b> Drive: <b>8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	7991	15.25	—	—	—	—	<b>623-415</b>	50	—	—
Diameter-Pitch: <b>M16-2.00</b>							Width: <b>30</b> Drive: <b>10</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	7991	11.52	—	—	—	—	<b>623-464</b>	25	—	—

**624**  
Series

**naulin** 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

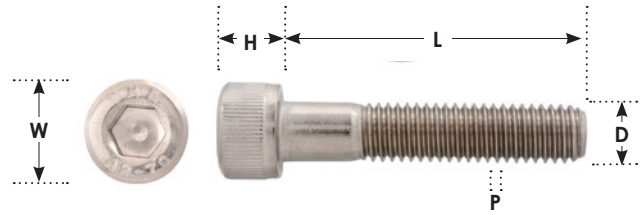
Product not available in this pack size

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

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

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

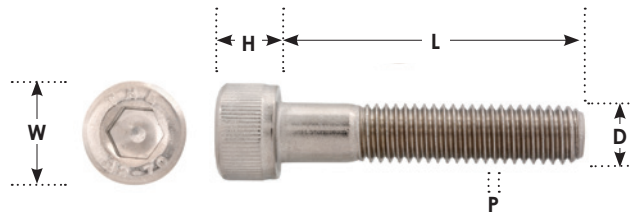
  

Diameter-Pitch: <b>M6-1.00</b>							Height: <b>6</b> Width: <b>10</b> Drive: <b>5</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
10 mm	912	1.00	—	—	—	—	<b>5914-303</b>	50	—	—
12 mm	912	1.12	—	—	—	—	<b>5914-305</b>	50	—	—
16 mm	912	1.22	—	—	—	—	<b>5914-306</b>	50	—	—
20 mm	912	1.37	—	—	—	—	<b>5914-307</b>	50	—	—
25 mm	912	1.58	—	—	—	—	<b>5914-309</b>	50	—	—
30 mm	912	1.74	—	—	—	—	<b>5914-310</b>	25	—	—
35 mm	912	2.06	—	—	—	—	<b>5914-311</b>	25	—	—
40 mm	912	2.30	—	—	—	—	<b>5914-312</b>	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: <b>M8-1.25</b>							Height: <b>8</b> Width: <b>13</b> Drive: <b>6</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	912	2.54	—	—	—	—	<b>5914-406</b>	50	—	—
20 mm	912	2.60	—	—	—	—	<b>5914-407</b>	50	—	—
25 mm	912	3.16	—	—	—	—	<b>5914-409</b>	50	<b>B5914-409</b>	1700
30 mm	912	3.54	—	—	—	—	<b>5914-410</b>	25	—	—
35 mm	912	3.96	—	—	—	—	<b>5914-411</b>	25	—	—
40 mm	912	4.46	—	—	—	—	<b>5914-412</b>	25	—	—
45 mm	912	4.92	—	—	—	—	<b>5914-415</b>	25	—	—
50 mm	912	5.47	—	—	—	—	<b>5914-416</b>	15	—	—
55 mm	912	5.92	—	—	—	—	<b>5914-417</b>	15	—	—
60 mm	912	6.30	—	—	—	—	<b>5914-418</b>	15	—	—

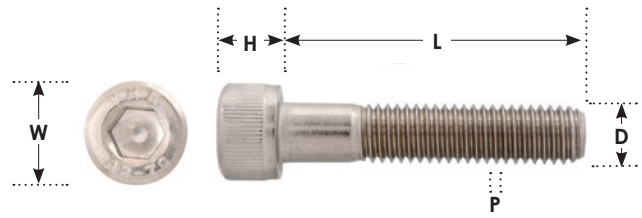
  

Diameter-Pitch: <b>M10-1.50</b>										
							Height: <b>10</b> Width: <b>16</b> Drive: <b>8</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	912	4.84	—	—	—	—	<b>5914-507</b>	50	—	—
25 mm	912	5.41	—	—	—	—	<b>5914-509</b>	50	—	—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

**5914**  
Series

# paulin<sup>®</sup> 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: <b>M12-1.75</b>							Height: <b>12</b> Width: <b>18</b> Drive: <b>10</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	912	8.83	—	—	—	—	<b>5914-610</b>	20	—	—
35 mm	912	9.55	—	—	—	—	<b>5914-611</b>	—	—	—
40 mm	912	10.47	—	—	—	—	<b>5914-612</b>	15	—	—
45 mm	912	11.02	—	—	—	—	<b>5914-615</b>	15	—	—
50 mm	912	11.99	—	—	—	—	<b>5914-616</b>	15	—	—
55 mm	912	12.96	—	—	—	—	<b>5914-617</b>	10	—	—
60 mm	912	13.95	—	—	—	—	<b>5914-618</b>	5	—	—
70 mm	912	16.50	—	—	—	—	<b>5914-619</b>	10	—	—

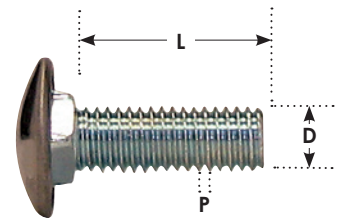
  

Diameter-Pitch: <b>M16-2.00</b>							Height: <b>16</b> Width: <b>24</b> Drive: <b>14</b>			
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	912	—	—	—	—	—	<b>5914-711</b>	5	—	—

**245**  
Series

# paulin<sup>®</sup> METRIC BUMPER BAR BOLTS

PART 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

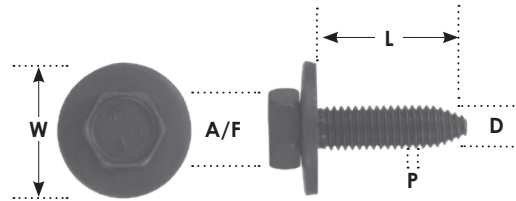
ISO Coarse Thread

CHROME										
Diameter-Pitch: <b>M8-1.25</b>										
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty	
25 mm	4.00	<b>910-1390</b>	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	—	—



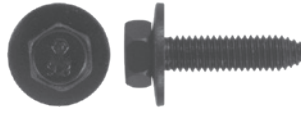
**245**  
Series

**paulin** METRIC BODY BOLTS

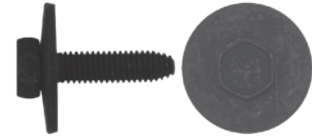
**M6-1.00**



**245-405**



**245-407**



**245-408**



**245-505**

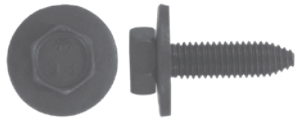


**245-507**



**247-510**

**M8-1.25**



**245-440**



**245-441**



**245-525**



**245-526**



**245-527**

**M10-1.50**



**245-450**

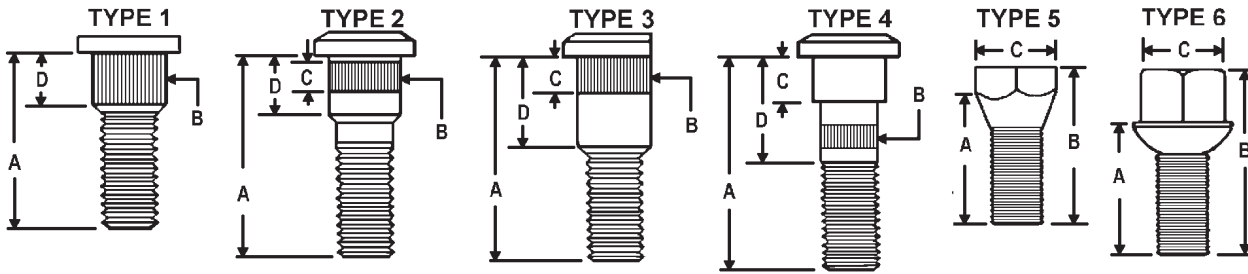
*Images do not represent actual size*

**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
<b>561-130</b>	6	10.90	M12 x 1.5R x 27 mm	40.00 mm	17.00 mm	321-601-139
<b>561-167</b>	6	16.00	M12 x 1.5R x 28 mm	44.00 mm	21.00 mm	—
<b>561-132</b>	6	11.80	M12 x 1.5R x 30 mm	45.00 mm	17.00 mm	321-601-139C
<b>561-367</b>	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
<b>561-532</b>	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
<b>561-133</b>	6	13.45	M14 x 1.5R x 31 mm	50.00 mm	17.00 mm	431/443-601-139A
<b>561-467</b>	6	17.25	M14 x 1.5R x 36 mm	50.50 mm	17.00 mm	4D0601139A
<b>561-516</b>	6	17.30	M14 x 1.5R x 36 mm	49.00 mm	17.00 mm	0009904907
<b>561-522</b>	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	FOCZ-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	FODZ-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 STUDS

PART 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	—

**561**  
Series

**paulin** METRIC WHEEL BOLTS

**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

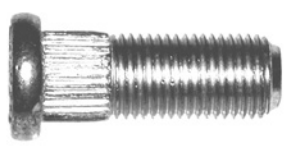


561-380

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

**paulin** METRIC WHEEL STUDS

**M14-2.00**



**561-442**



**561-424**



**561-418**

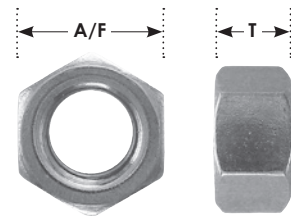


**561-436**

*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											
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	—	—	<b>024-203</b>	33	<b>670-003</b>	100	<b>B670-003</b>	12000
M4-.70	0.16	7.0	3.2	—	—	<b>024-204</b>	33	<b>670-004</b>	100	<b>B670-004</b>	10000
M5-.80	0.24	8.0	4.0	—	—	<b>024-205</b>	33	<b>670-005</b>	100	<b>B670-005</b>	15000
M6-1.00	0.47	10.0	5.0	<b>009-250</b>	12	<b>024-206</b>	33	<b>670-006</b>	100	<b>B670-006</b>	9000
M8-1.25	1.03	13.0	6.5	<b>009-251</b>	10	<b>024-208</b>	18	<b>670-008</b>	100	<b>B670-008</b>	4000
M10-1.50	2.26	17.0	8.0	<b>009-252</b>	6	<b>024-210</b>	11	<b>670-010</b>	100	<b>B670-010</b>	2000
M12-1.75	3.31	19.0	10.0	<b>009-253</b>	4	<b>024-212</b>	6	<b>670-012</b>	50	<b>B670-012</b>	1200
M14-2.00	4.92	22.0	11.0	—	—	—	—	<b>670-014</b>	25	<b>B670-014</b>	1000
M16-2.00	6.58	24.0	13.0	—	—	—	—	<b>670-016</b>	25	<b>B670-016</b>	600
M18-2.50	9.28	27.0	15.0	—	—	—	—	<b>670-018</b>	25	<b>B670-018</b>	500
M20-2.50	12.00	30.0	16.0	—	—	—	—	<b>670-020</b>	25	<b>B670-020</b>	400
M24-3.00	20.72	—	—	—	—	—	—	<b>670-024</b>	25	<b>B670-024</b>	200



**ISO Fine Thread**

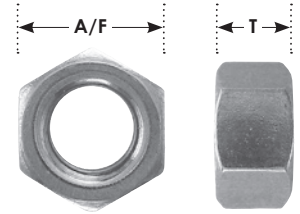
RED ZINC											
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M8-1.00	1.04	13.0	6.5	—	—	<b>024-258</b>	16	<b>670-208</b>	25	<b>B670-208</b>	6000
M10-1.25	2.30	17.0	8.0	<b>009-165</b>	2	<b>024-260</b>	12	<b>670-210</b>	25	<b>B670-210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

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	—	—	<b>024-270</b>	10	<b>670-750</b>	25	—	—
M12-1.25	3.42	19.0	10.0	<b>009-167</b>	2	<b>024-272</b>	7	<b>670-765</b>	25	—	—

**671**  
Series

**paulin** METRIC HEX NUTS

PART CLASS #  
800AY | DIN 934



ISO Coarse Thread

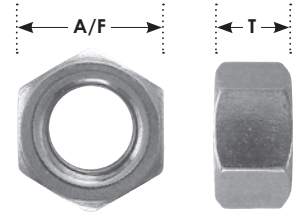
**BARE METAL (PLAIN)**

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	—	—	—	—	<b>671-006</b>	100	<b>B671-006</b>	9000
M8-1.25	1.02	13.0	6.5	—	—	—	—	<b>671-008</b>	100	<b>B671-008</b>	4000
M10-1.50	2.31	17.0	8.0	—	—	—	—	<b>671-010</b>	100	<b>B671-010</b>	2000
M12-1.75	3.36	19.0	10.0	<b>009-027</b>	12	—	—	<b>671-012</b>	50	<b>B671-012</b>	1200
M14-2.00	4.92	22.0	11.0	—	—	—	—	<b>671-014</b>	25	—	—
M16-2.00	6.50	24.0	13.0	<b>009-028</b>	10	—	—	<b>671-016</b>	25	<b>B671-016</b>	600
M18-2.50	—	27.0	15.0	—	—	—	—	<b>671-018</b>	25	—	—
M20-2.50	12.02	30.0	16.0	<b>009-029</b>	6	—	—	<b>671-020</b>	25	<b>B671-020</b>	400
M24-3.00	20.50	36.0	19.0	<b>009-030</b>	4	—	—	<b>671-024</b>	25	<b>B671-024</b>	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**

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	—	—	—	—	<b>672-006</b>	100	<b>B672-006</b>	9000
M8-1.25	1.05	13.0	6.5	—	—	—	—	<b>672-008</b>	100	<b>B672-008</b>	4000
M10-1.50	2.26	17.0	8.0	—	—	—	—	<b>672-010</b>	100	<b>B672-010</b>	2000
M12-1.75	3.38	19.0	10.0	—	—	—	—	<b>672-012</b>	50	<b>B672-012</b>	1200
M14-2.00	4.90	22.0	11.0	—	—	—	—	<b>672-014</b>	25	—	—
M16-2.00	6.46	24.0	13.0	—	—	—	—	<b>672-016</b>	25	<b>B672-016</b>	600
M18-2.50	9.14	27.0	15.0	—	—	—	—	<b>672-018</b>	25	—	—
M20-2.50	11.88	30.0	16.0	—	—	—	—	<b>672-020</b>	25	—	—
M24-3.00	20.66	36.0	19.0	—	—	—	—	<b>672-024</b>	25	—	—

**5901**  
Series

**paulin** METRIC HEX NUTS

PART CLASS #  
800AZ | DIN 934 = ISO 4032



ISO Coarse Thread

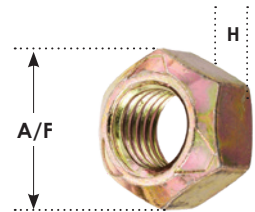
**18.8 STAINLESS STEEL**

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	—	—	—	—	<b>5901-008</b>	50	—	—
M5-0.80	0.22	8.0	4.0	—	—	—	—	<b>5901-010</b>	50	—	—
M6-1.00	0.50	10.0	5.0	—	—	—	—	<b>5901-014</b>	50	—	—
M8-1.25	1.06	13.0	6.5	—	—	—	—	<b>5901-016</b>	50	<b>B5901-016</b>	5500
M10-1.50	2.32	17.0	8.0	—	—	—	—	<b>5901-018</b>	50	—	—
M12-1.75	3.40	19.0	10.0	—	—	—	—	<b>5901-022</b>	25	—	—
M16-2.00	6.50	24.0	13.0	—	—	—	—	<b>5901-024</b>	5	—	—
M20-2.50	12.30	30.0	16.0	—	—	—	—	<b>5901-026</b>	5	—	—

**672**  
Series

# naulin<sup>®</sup> METRIC CONELOCK<sup>®</sup> LOCK NUTS

PART CLASS #  
800AD



CONELOCK<sup>®</sup> 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**

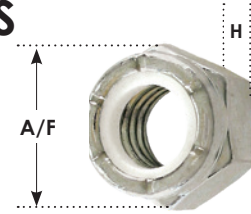
Product not available in this pack size

YELLOW ZINC											
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	—	—	—	—	<b>672-206</b>	100	—	—
M8-1.25	1.20	13.0	7.5	—	—	—	—	<b>672-208</b>	100	—	—
M10-1.50	2.80	17.0	9.5	—	—	—	—	<b>672-210</b>	100	—	—
M12-1.75	4.00	19.0	11.5	—	—	—	—	<b>672-212</b>	50	—	—
M14-2.00	5.60	22.0	13.0	—	—	—	—	<b>672-214</b>	25	—	—
M16-2.00	7.20	24.0	15.0	—	—	—	—	<b>672-216</b>	25	—	—
M18-2.50	10.20	27.0	17.0	—	—	—	—	<b>672-218</b>	25	—	—
M20-2.50	13.60	30.0	19.0	—	—	—	—	<b>672-220</b>	25	—	—
M24-3.00	24.40	36.0	22.5	—	—	—	—	<b>672-224</b>	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**

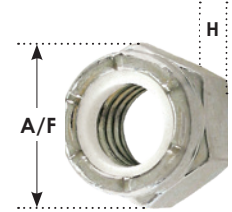
**ORDER BY ITEM (PACKAGE) NUMBER**

Product not available in this pack size

ZINC											
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	—	—	<b>024-224</b>	10	<b>700-004</b>	100	<b>B700-004</b>	9000
M5-0.80	0.23	8	5.0	—	—	<b>024-225</b>	9	<b>700-005</b>	100	<b>B700-005</b>	9000
M6-1.00	0.47	10	6.0	—	—	<b>024-226</b>	9	<b>700-006</b>	100	<b>B700-006</b>	8000
M8-1.25	1.10	13	8.0	—	—	<b>024-228</b>	6	<b>700-008</b>	100	<b>B700-008</b>	4000
M10-1.50	2.41	17	10.0	—	—	<b>024-230</b>	5	<b>700-010</b>	100	<b>B700-010</b>	1500
M12-1.75	3.33	19	12.0	—	—	—	—	<b>700-012</b>	50	<b>B700-012</b>	1000
M14-2.00	5.10	21	14.0	—	—	—	—	<b>700-014</b>	25	<b>B700-014</b>	700
M16-2.00	6.40	24	16.0	—	—	—	—	<b>700-016</b>	25	<b>B700-016</b>	400
M18-2.50	10.08	26	18.5	—	—	—	—	<b>700-018</b>	100	<b>B700-018</b>	300
M20-2.50	12.98	28	20.0	—	—	—	—	<b>700-020</b>	25	<b>B700-020</b>	250
M24-3.00	—	30	24.0	—	—	—	—	<b>700-024</b>	20	<b>B700-024</b>	90

**5904**  
Series

**paulin** METRIC NYLON INSERT LOCK NUTS



PART CLASS #  
800BI | DIN 985

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

ORDER BY ITEM (PACKAGE) NUMBER

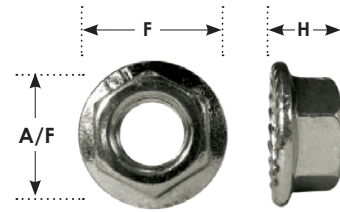
Product not available in this pack size

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	—	—	—	—	<b>5904-014</b>	50	—	—
M8-1.25	1.03	13	8	—	—	—	—	<b>5904-016</b>	50	—	—
M10-1.5	2.25	16	10	—	—	—	—	<b>5904-018</b>	50	—	—
M12-1.75	3.20	18	12	—	—	—	—	<b>5904-022</b>	25	—	—
M16-2.0	7.10	24	16	—	—	—	—	<b>5904-024</b>	5	—	—
M24-3.0	20.00	36	24	—	—	—	—	<b>5904-028</b>	5	—	—

244 Series

**paulin** 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	<b>910-0130</b>	4	—	—	<b>244-955</b>	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	<b>910-0165</b>	6	—	—	<b>244-956</b>	25	—	—
OEM #: GM 11503752, 1150329, VW N90100001												
M6-1.00	1.70	10	9	20	<b>910-0170</b>	2	—	—	<b>244-957</b>	25	—	—
OEM #: 6100049												
M6.3-1.00	1.50	11	9	16	<b>910-0175</b>	3	—	—	<b>244-958</b>	25	—	—
OEM #: 11500747, 11501106												
M8-1.25	1.75	13	—	19	<b>910-0180</b>	4	—	—	<b>244-959</b>	100	—	—

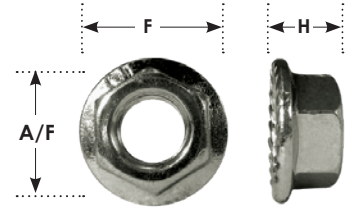
BLACK OXIDE											Flange Nut	
Diameter-Pitch	Approx. Weight (lb) /100 pcs	A/F	H	F	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty
M5-.80	0.50	8	—	11.5	<b>910-0120</b>	3	—	—	—	—	—	—
M6-1.00	0.82	10	6	14	<b>910-0125</b>	4	<b>024-850</b>	10	<b>244-986</b>	25	—	—
OEM #: 11503745				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

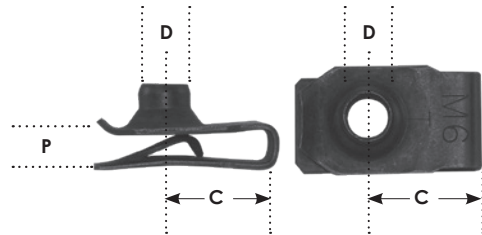


244-996/244-997/244-987  
611-906/911-908/911-910/911-912

**241**  
Series

**paulin** 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	—	—	—	—	—	—	<b>241-604</b>	25	—	—
M4 x .70	0.54	—	—	—	—	—	—	<b>241-605</b>	25	—	—
M6 x 1.00	1.36	13.5	.80 -4	<b>910-1420</b>	3	—	—	<b>241-606</b>	25	—	—
OEM #: 11503957, 1016937, N623332-S2, N623332-S53, N623332-S100											
M6 x 1.00L	1.42	19.5	.34 -4	<b>910-1421</b>	2	—	—	<b>241-607</b>	25	—	—
OEM #: 11503715, 11508241, 11609385											
M6.3 x 1.00	1.08	13.5	.80 -4	<b>910-1425</b>	3	—	—	<b>241-612</b>	25	—	—
OEM #: 11500658, 9433043											
M8 x 1.25L	2.02	20	.80 -4.5	<b>910-1430</b>	2	—	—	<b>241-608</b>	25	—	—
OEM #: 11500661, 11503317, 11516150, N623343-S2, N623343-S100											
M8 x 1.25	1.72	14.5	.80 -4	<b>910-1427</b>	3	—	—	<b>241-609</b>	25	—	—
OEM #: 11500660, 11502617, N623333-S2, 6101283											
M10 x 1.50	3.60	19	1-6	<b>910-1435</b>	2	—	—	<b>241-610</b>	10	—	—
OEM #: 11500662, 22531616											

**559**  
Series

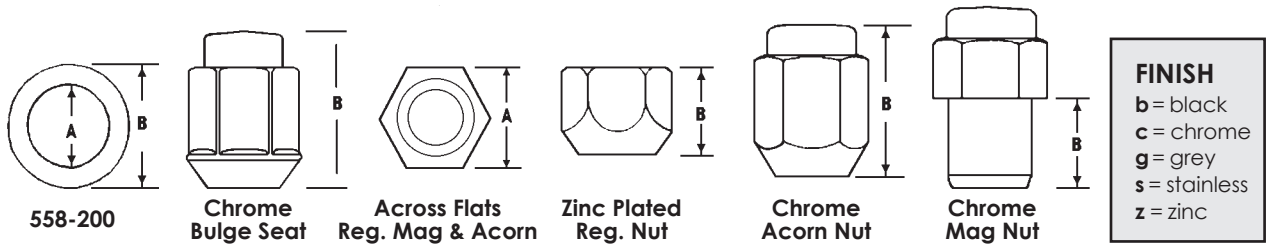
# paulin<sup>®</sup> METRIC WHEEL NUTS



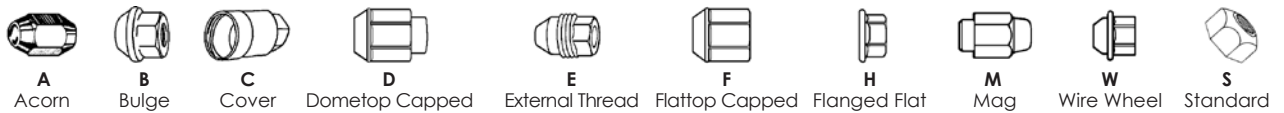
NUTS

PART CLASS #  
802BU

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
<b>559-060</b>	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
<b>559-064</b>	4.80	Regular	19.00 mm	16.00 mm	Sc	10
<b>559-078</b>	6.95	Acorn	19.00 mm	25.00 mm	Ac	10
<b>559-113</b>	6.20	Standard	21.00 mm	16.00 mm	Sc	10
<b>559-125</b>	6.55	Regular	21.00 mm	16.00 mm	Sz	10
<b>B559-125</b>	6.55	Regular	21.00 mm	16.00 mm	Sz	100
<b>559-095</b>	6.55	Mag	21.00 mm (13/16 in)	3/4 in	Mc	10
<b>559-114</b>	11.80	Acorn	21.00 mm	29.00 mm	Ac	10
<b>559-310</b>	18.70	Dometop Capped	21.00 mm	34.00 mm	Dc	10
<b>559-065</b>	14.20	Acorn	21.00 mm (13/16 in)	1-3/8 in	Ac	10

559  
Seriespaulin<sup>®</sup> 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
B559-150	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 NUTS

NUTS

PART 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



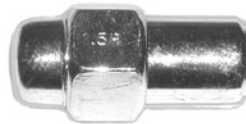
559-172



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

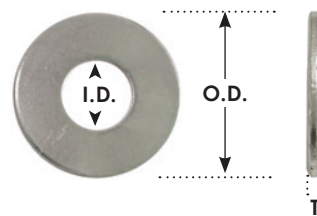


559-206

Images do not represent actual size

**730 Series** **paulin** 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					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

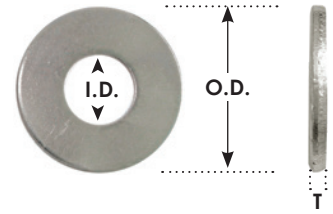
PART CLASS #  
804AL | DIN 125A = ISO 7089



YELLOW ZINC					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<sup>®</sup> 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

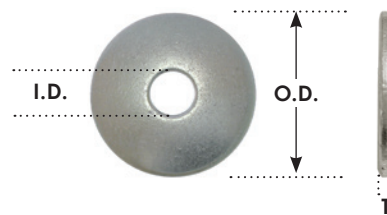
Product not available in this pack size

## 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	—	—	—	—	<b>5908-214</b>	50	<b>B5908-214</b>	10000
M8	0.20	8.4	17.0	1.6	—	—	—	—	<b>5908-216</b>	50	<b>B5908-216</b>	15000
M10	0.70	10.5	—	2.0	—	—	—	—	<b>5908-218</b>	50	<b>B5908-218</b>	5000
M12	1.24	13.0	24.0	2.5	—	—	—	—	<b>5908-222</b>	25	<b>B5908-222</b>	4000
M16	2.10	17.0	30.0	—	—	—	—	—	<b>5908-224</b>	5	<b>B5908-224</b>	2000
M20	3.78	21.0	37.0	—	—	—	—	—	<b>5908-226</b>	5	<b>B5908-226</b>	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

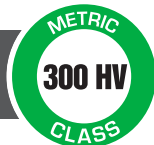
### ORDER BY ITEM (PACKAGE) NUMBER

Product not available in this pack size

ZINC					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	—	—	—	—	<b>730-304</b>	100	—	—
5 mm	0.33	5.3	15.0	1.0	—	—	—	—	<b>730-305</b>	100	—	—
6 mm	0.55	6.4	18.0	1.6	—	—	—	—	<b>730-306</b>	100	—	—
8 mm	1.36	8.4	24.0	2.0	—	—	—	—	<b>730-308</b>	100	—	—
10 mm	2.50	10.5	30.0	2.5	—	—	—	—	<b>730-310</b>	50	—	—
12 mm	4.79	13.0	37.0	3.0	—	—	—	—	<b>730-312</b>	50	—	—
14 mm	6.95	15.0	44.0	3.0	—	—	—	—	<b>730-314</b>	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	—	—	—	—	<b>750-004</b>	100	—	—
6 mm	0.54	6.4	18.0	1.6	—	—	—	—	<b>750-006</b>	100	—	—
8 mm	1.21	8.4	24.0	2.0	—	—	—	—	<b>750-008</b>	100	—	—
10 mm	2.52	10.5	30.0	2.5	—	—	—	—	<b>750-010</b>	50	—	—
12 mm	4.66	13.0	37.0	3.0	—	—	—	—	<b>750-012</b>	50	—	—

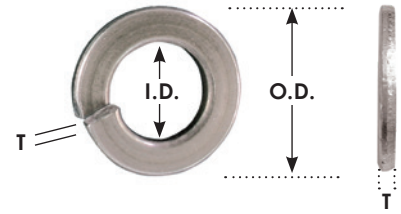
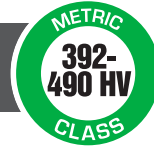
## 5908 Series **paulin** METRIC FENDER WASHERS

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	—	—	—	—	<b>5908-616</b>	50	<b>B5908-616</b>	50
10 mm	3.46	10.5	30.0	2.5	—	—	—	—	<b>5908-618</b>	25	<b>B5908-618</b>	25

**740**  
Series

# paulin<sup>®</sup> METRIC LOCK WASHERS

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



WASHERS

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												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	—	—	<b>024-324</b>	80	<b>740-004</b>	100	<b>B740-004</b>	12000	
5 mm	0.08	5.1	9.2	1.2	—	—	<b>024-325</b>	80	<b>740-005</b>	100	<b>B740-005</b>	10000	
6 mm	0.19	6.1	9.7	1.4	<b>009-035</b>	16	<b>024-326</b>	60	<b>740-006</b>	100	<b>B740-006</b>	9000	
8 mm	0.32	8.2	12.8	1.9	<b>009-036</b>	12	<b>024-328</b>	40	<b>740-008</b>	100	<b>B740-008</b>	6000	
10 mm	0.55	10.2	16.1	2.35	<b>009-037</b>	10	<b>024-330</b>	32	<b>740-010</b>	100	<b>B740-010</b>	6000	
12 mm	0.83	12.2	18.3	2.35	<b>009-038</b>	8	<b>024-332</b>	20	<b>740-012</b>	50	<b>B740-012</b>	4000	
14 mm	1.32	14.2	21.4	2.8	—	—	—	—	<b>740-014</b>	25	<b>B740-014</b>	4000	
16 mm	1.94	16.2	24.6	3.3	—	—	—	—	<b>740-016</b>	25	<b>B740-016</b>	2000	
18 mm	2.22	18.2	26.6	3.3	—	—	—	—	<b>740-018</b>	25	<b>B740-018</b>	2000	
20 mm	3.28	20.2	30.5	4.3	—	—	—	—	<b>740-020</b>	25	<b>B740-020</b>	2000	
24 mm	5.46	24.5	35.9	4.8	—	—	—	—	<b>740-024</b>	25	<b>B740-024</b>	1100	

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

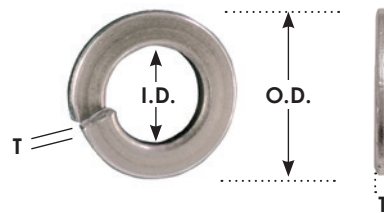


YELLOW ZINC												Hardness Class 430 to 530 HV	
Bolt Size	Approx. Weight (lb) /100 pcs	I.D.	O.D.	T	Clamshell #	Qty	Handy Pak#	Qty	Black Box #	Qty	Bulk Carton #	Qty	
4 mm	0.06	4.1	7.6	0.9	—	—	—	—	<b>740-404</b>	100	<b>B740-404</b>	12000	
5 mm	0.10	5.1	9.2	1.2	—	—	—	—	<b>740-405</b>	100	<b>B740-405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

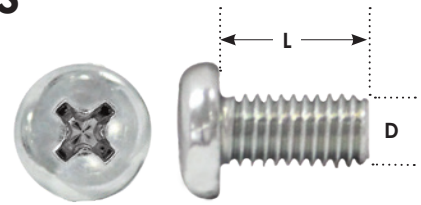
Product not available in this pack size

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

**024**  
Series

**paullin** METRIC MACHINE SCREWS

PART 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.

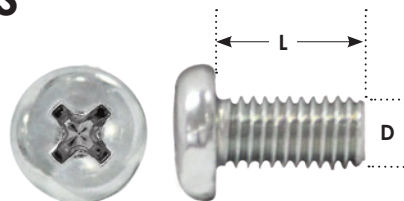
L = Length      D = Diameter

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

 Product not available in this pack size

ZINC									
Pan Phillips Head									
Diameter: <b>M3-.50</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.21	—	—	<b>024-398</b>	82	—	—	—	—
10 mm	0.28	—	—	<b>024-399</b>	75	—	—	—	—
16 mm	0.32	—	—	<b>024-400</b>	62	—	—	—	—
20 mm	0.36	—	—	<b>024-401</b>	56	—	—	—	—
25 mm	0.39	—	—	<b>024-402</b>	48	—	—	—	—

Diameter: <b>M4-.70</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
6 mm	0.33	—	—	<b>024-406</b>	81	—	—	—	—
10 mm	0.41	—	—	<b>024-407</b>	74	—	—	—	—
12 mm	0.48	—	—	<b>024-410</b>	60	—	—	—	—
16 mm	0.55	—	—	<b>024-411</b>	55	—	—	—	—
20 mm	0.57	—	—	<b>024-412</b>	72	—	—	—	—
25 mm	0.63	—	—	<b>024-413</b>	47	—	—	—	—
30 mm	0.76	—	—	<b>024-414</b>	40	—	—	—	—
35 mm	0.84	—	—	<b>024-415</b>	25	—	—	—	—
40 mm	0.98	—	—	<b>024-416</b>	23	—	—	—	—
50 mm	1.18	—	—	<b>024-417</b>	20	—	—	—	—
60 mm	1.33	—	—	<b>024-418</b>	18	—	—	—	—

024  
Seriespaulin<sup>®</sup> METRIC MACHINE SCREWSPART 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 Pan Phillips HeadDiameter: **M5-.80**

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

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	—	—	<b>024-430</b>	30	—	—	—	—
10 mm	1.23	—	—	<b>024-432</b>	30	—	—	—	—
16 mm	1.35	—	—	<b>024-436</b>	30	—	—	—	—
20 mm	1.56	—	—	<b>024-440</b>	27	—	—	—	—
25 mm	1.62	—	—	<b>024-441</b>	25	—	—	—	—
30 mm	1.91	—	—	<b>024-442</b>	23	—	—	—	—
35 mm	2.10	—	—	<b>024-443</b>	21	—	—	—	—
40 mm	2.33	—	—	<b>024-444</b>	18	—	—	—	—
50 mm	2.75	—	—	<b>024-446</b>	16	—	—	—	—

Diameter: **M8-1.25**

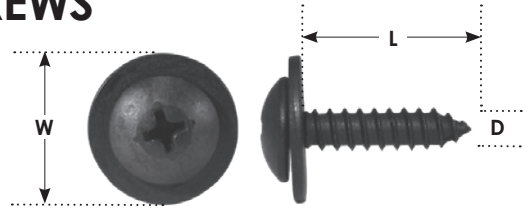
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
12 mm	2.46	—	—	<b>024-448</b>	24	—	—	—	—
30 mm	3.73	—	—	<b>024-451</b>	20	—	—	—	—
40 mm	5.94	—	—	<b>024-453</b>	15	—	—	—	—



**230**  
Series

# paulin<sup>®</sup> 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

Special Tapping Screw - 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	—	—	<b>230-623</b>	100	—	—

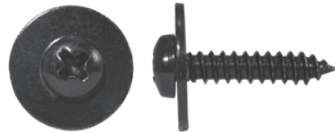
#### BLACK PHOSPHATE

Special Tapping Screw - 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	—	—	<b>230-619</b>	100	—	—

*Images do not represent actual size*



**230-623**

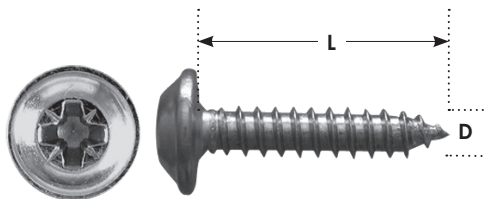


**230-619**

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** 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	—	—	—	—	<b>230-203</b>	100	—	—
20 mm	0.51	—	—	—	—	<b>230-205</b>	100	—	—
20 mm	0.51	—	—	—	—	<b>230-206</b>	100	—	—

**CHROME** 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	—	—	—	—	<b>230-207</b>	100	—	—

**CHROME** 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	—	—	—	—	<b>230-301</b>	100	—	—
12 mm	0.44	—	—	—	—	<b>230-302</b>	100	—	—
16 mm	0.45	—	—	—	—	<b>230-304</b>	100	—	—
20 mm	0.55	—	—	—	—	<b>230-305</b>	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	—	—	—	—	<b>230-303</b>	100	—	—
20 mm	0.46	<b>910-1245</b>	10	—	—	<b>230-306</b>	100	—	—

Images do not represent actual size



230-203/230-205/230-206



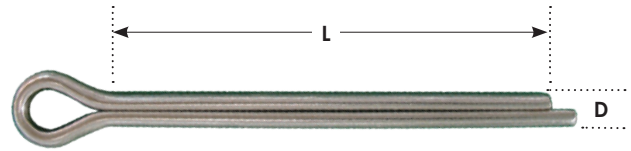
230-207



230-301/230-302/230-204/230-305



230-303/230-306

**024**  
Series**paulin** METRIC COTTER PINSPART 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

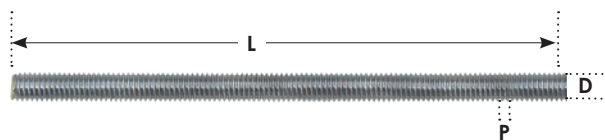
 Product not available in this pack size

ZINC										
Diameter: <b>M1.5</b>										
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
16 mm	94	0.09	—	—	<b>024-704</b>	80	—	—	—	—
Diameter: <b>M2</b>										
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
20 mm	94	0.19	—	—	<b>024-707</b>	36	—	—	—	—
Diameter: <b>M3</b>										
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
25 mm	94	0.45	—	—	<b>024-710</b>	40	—	—	—	—
40 mm	94	0.61	—	—	<b>024-713</b>	35	—	—	—	—
Diameter: <b>M4</b>										
Length	DIN	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	94	1.16	—	—	<b>024-716</b>	16	—	—	—	—

141 Series

**paulin** METRIC THREADED RODS

PART 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

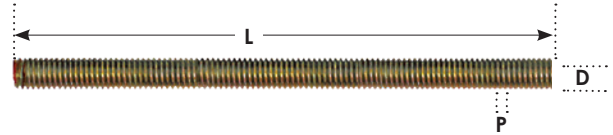
ISO Coarse Thread

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

**141**  
Series

**paullin** 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

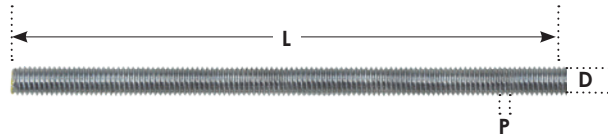
**YELLOW ZINC**

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

**5912**  
Series

**paullin** METRIC THREADED RODS

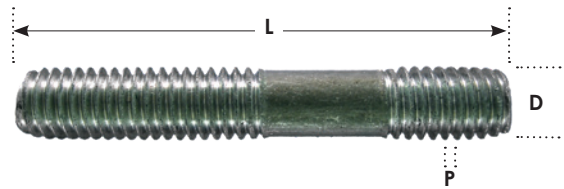
PART CLASS #  
811AJ | DIN 975



L = Length      D = Diameter      P = Pitch

ORDER BY ITEM (PACKAGE) NUMBER  
ISO Coarse Thread

18.8 STAINLESS STEEL									
Diameter-Pitch: <b>M5-.08</b>					Diameter-Pitch: <b>M12-1.75</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	27.00	<b>5912-310</b>	1	1 metre	975	160.00	<b>5912-322</b>	1
Diameter-Pitch: <b>M6-1.00</b>					Diameter-Pitch: <b>M16-2.00</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	50.00	<b>5912-314</b>	1	1 metre	975	295.00	<b>5912-324</b>	1
Diameter-Pitch: <b>M8-1.25</b>					Diameter-Pitch: <b>M20-2.50</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	75.00	<b>5912-316</b>	1	1 metre	975	470.00	<b>5912-326</b>	1
Diameter-Pitch: <b>M10-1.50</b>					Diameter-Pitch: <b>M24-3.00</b>				
Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty	Length	DIN	Approx. Weight (lb) /100 pcs	Part #	Qty
1 metre	975	120.00	<b>5912-318</b>	1	1 metre	975	665.00	<b>5912-330</b>	1

**264**  
Series**paulin** METRIC ENGINE STUDSPART 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

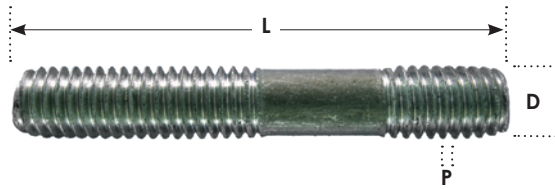
**ORDER BY ITEM (PACKAGE) NUMBER****ISO Coarse Thread**
 Product not available in this pack size

ZINC									
Diameter-Pitch: <b>M6-1.00</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
30 mm	1.35	<b>009-329</b>	2	—	—	<b>264-230</b>	10	—	—
Diameter-Pitch: <b>M8-1.25</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
38 mm	2.75	<b>009-330</b>	2	—	—	<b>264-338</b>	10	—	—
40 mm	2.60	—	—	—	—	<b>264-339</b>	10	—	—
40 mm	2.75	—	—	—	—	<b>264-640</b>	10	—	—
46 mm	3.30	<b>009-331</b>	2	—	—	<b>264-346</b>	10	—	—
50 mm	3.95	<b>009-332</b>	2	—	—	<b>264-348</b>	10	—	—
Diameter-Pitch: <b>M10-1.50</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	4.55	—	—	—	—	<b>264-449</b>	10	—	—
50 mm	5.65	<b>009-333</b>	2	—	—	<b>264-451</b>	10	—	—
60 mm	6.70	—	—	—	—	<b>264-454</b>	10	—	—
62 mm	7.35	<b>009-334</b>	2	—	—	<b>264-453</b>	10	—	—
Diameter-Pitch: <b>M12-1.75</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	5.45	—	—	—	—	<b>264-459</b>	10	—	—

**264**  
Series

**paulin** METRIC ENGINE STUDS

PART 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									
Diameter-Pitch: <b>M8-1.00</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	3.15	—	—	—	—	<b>264-327</b>	10	—	—
Diameter-Pitch: <b>M10-1.25</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
40 mm	4.75	—	—	—	—	<b>264-442</b>	10	—	—
50 mm	5.85	—	—	—	—	<b>264-450</b>	10	—	—
Diameter-Pitch: <b>M12-1.50</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
35 mm	5.40	—	—	—	—	<b>264-460</b>	10	—	—
40 mm	6.85	—	—	—	—	<b>264-461</b>	10	—	—

ISO Extra Fine Thread

Diameter-Pitch: <b>M12-1.25</b>									
Length	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
50 mm	8.75	—	—	—	—	<b>264-462</b>	10	—	—



# paulin<sup>®</sup> 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.



### 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

Assortments not included

# 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

020-658



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

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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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



Base not 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<sup>®</sup> 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



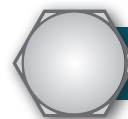
Bin included



## PRODUCT & LABEL REFILL ONLY

**022-603R**

Bin Not Included  
Stickers Included

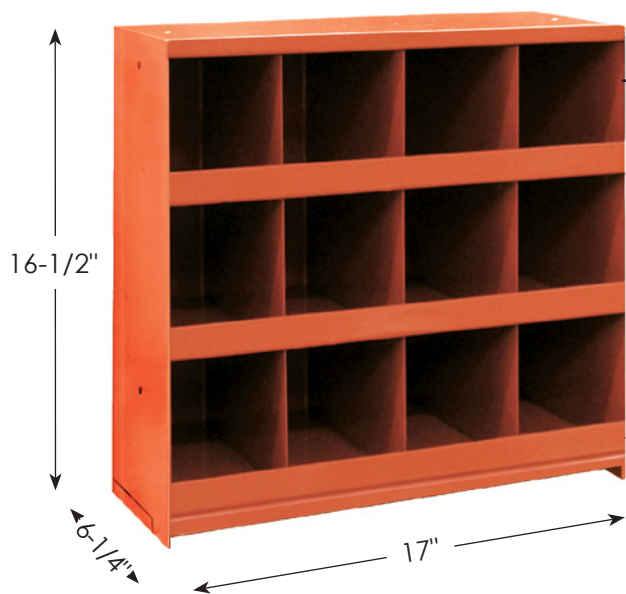


40 Compartments

## paulin<sup>®</sup> METRIC MERCHANDISERS

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

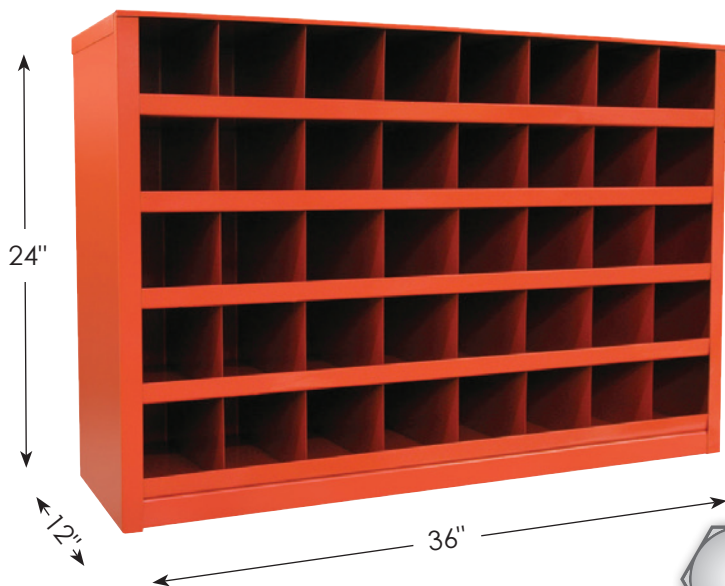
- Sturdy, heavy gauge, reinforced steel
- Welded construction
- Safety bin lips avoid spillage
- Baked finish
- Use on floor, work bench or hang on the wall depending on size of merchandiser
- Optional steel base 022-027 Base, 4" high black finish



### 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

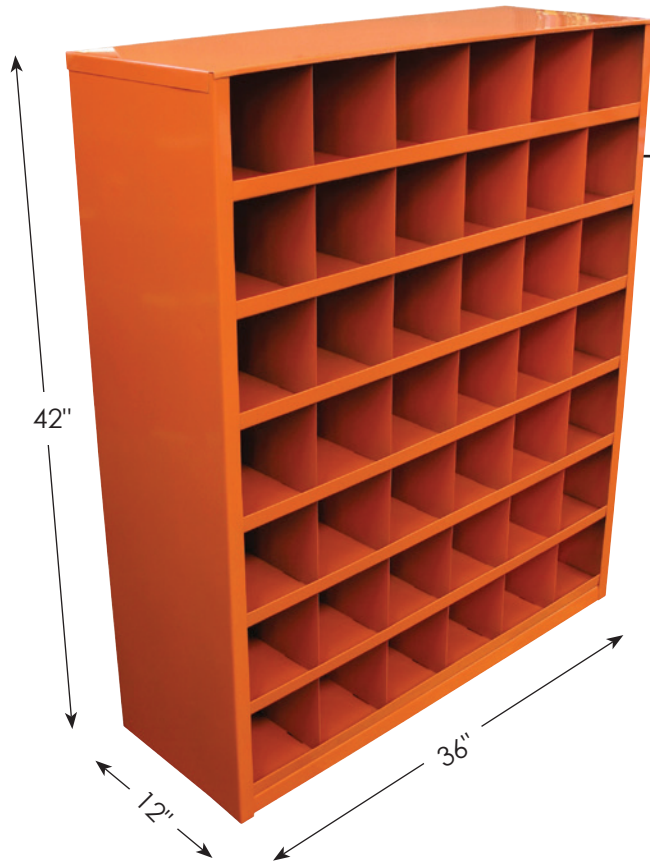


### 022-017 (Empty)

- 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

# paulin<sup>®</sup> METRIC MERCHANDISERS

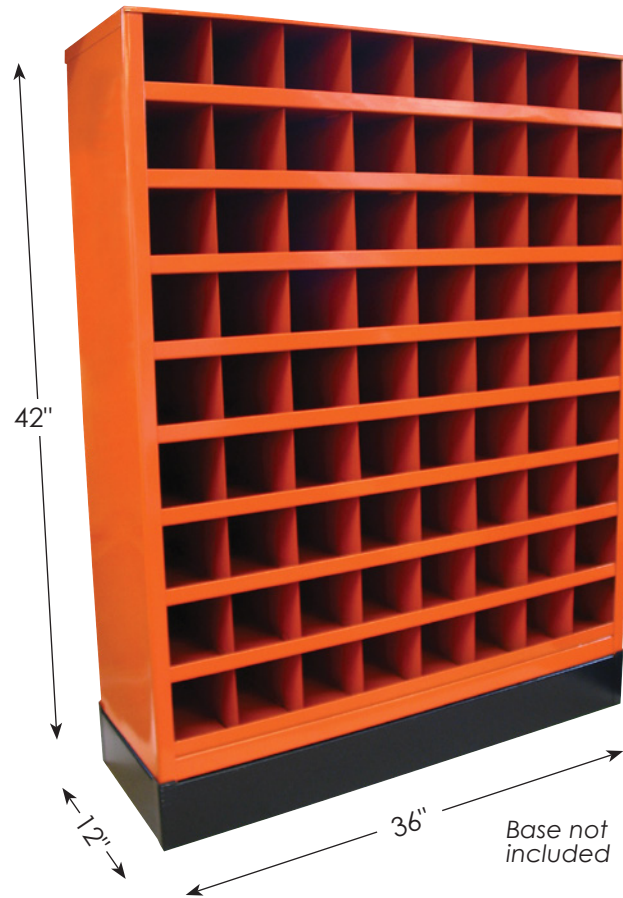


**022-018** (Empty)

- 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

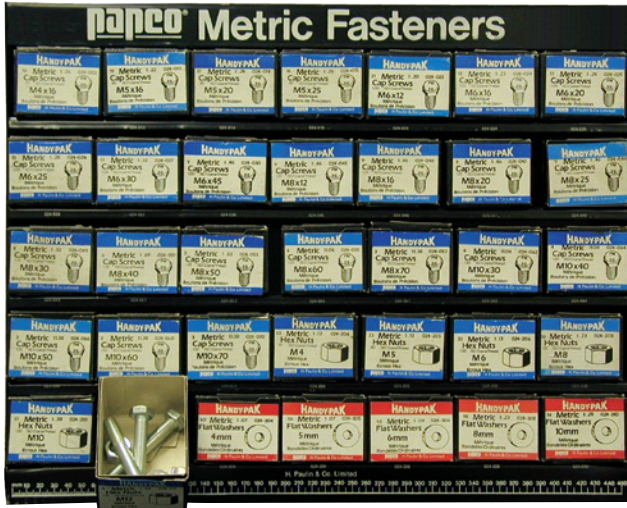
CAP SCREWS (EXTRA FINE THREAD)		
Part #	Size	Qty
024-170	M10 x 20	4
024-171	M10 x 25	3
024-172	M10 x 30	3
024-174	M10 x 40	3
024-176	M10 x 50	3
024-184	M12 x 30	2
024-186	M12 x 40	2
024-188	M12 x 50	2

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**

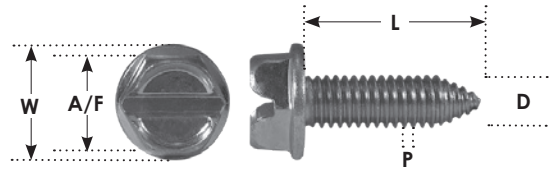
Part #	Size	Pcs/Pk	Packs
024-324	4 mm	80	3
024-325	5 mm	80	3
024-326	6 mm	60	6
024-328	8 mm	40	6
024-330	10 mm	32	6
024-332	12 mm	20	3



**230**  
Series

## paulin<sup>®</sup> 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		Slotted Hex Washer Head										
Diameter-Pitch: <b>M6-1.00</b>												
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	<b>910-1190</b>	4	—	—	<b>230-616</b>	50	—	—
OEM #: CHRY 34201287, AMC 8934201287												

**245**  
Series

## paulin<sup>®</sup> METRIC LICENCE PLATE SCREWS

PART CLASS #  
802AZ

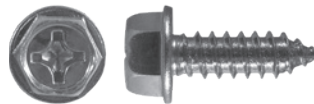
ISO Coarse Thread

ZINC		Slotted Round Washer Head										
Diameter-Pitch: <b>M6-1.00</b>												
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	—	—	—	—	<b>245-912</b>	25	—	—

YELLOW ZINC		Hex Washer Head Phillips Drive										
Diameter-Pitch: <b>M6-1.81</b>												
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	—	—	—	—	<b>245-911</b>	25	—	—
OEM #: TOYOTA 93904-46320, HONDA 91500-SM4-999AH												



**230-616**



**245-911**



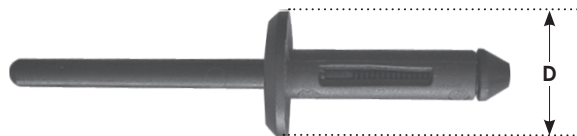
**245-912**

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: <b>M5</b>									
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	—	—	<b>247-306</b>	25	—	—
OEM #: Ford N804189S / GM 2042367									
6 mm	0.28	12	7/32	—	—	<b>247-300</b>	25	—	—
OEM #: Chrysler 6500899 / GM 20432975 / VW 175-853-57701C									
10 mm	0.32	12	7/32	—	—	<b>247-307</b>	25	—	—
OEM #: Chrysler 6500898									
Diameter: <b>M6.3</b>									
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	—	—	<b>247-302</b>	25	—	—
OEM #: GM 14070914 (White)									
10 mm	0.54	17	1/4	—	—	<b>247-301</b>	25	—	—
OEM #: Chrysler 6500911 / Ford N803043-S / GM 14063981									
10 mm	0.48	13	—	—	—	<b>247-303</b>	25	—	—
OEM #: Ford N803862-S / GM: 20452072									
Diameter: <b>M6.6</b>									
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	—	—	<b>247-304</b>	25	—	—
OEM #: GM 20433026 / VW 175-853-577A									
5 mm	0.38	13	9/32	—	—	<b>247-305</b>	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**



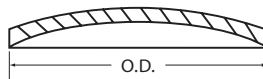
**247-307**

*Images do not represent actual size*

**261**  
Series

**paulin** METRIC EXPANSION PLUGS

PART CLASS #  
802AU

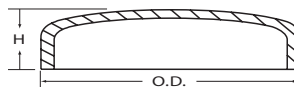


EXPANSION PLUGS also known as Frost Plugs, Welsh Plugs or Freeze-Out Plugs. Papco® Expansion Plugs are made of heavy gauge plated steel or solid brass to resist rust.

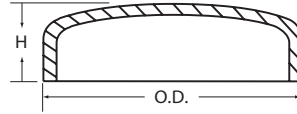
**ORDER BY ITEM (PACKAGE) NUMBER**

Product not available in this pack size

ZINC							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	—	—	—	—	<b>261-011</b>	10	—	—	
18 mm	2.70	—	—	—	—	<b>261-014</b>	10	—	—	
24 mm	3.60	—	—	—	—	<b>261-024</b>	10	—	—	
25 mm	3.75	—	—	—	—	<b>261-026</b>	10	—	—	
35 mm	5.25	—	—	—	—	<b>261-046</b>	10	—	—	
40 mm	6.00	—	—	—	—	<b>261-064</b>	10	—	—	
42 mm	6.30	—	—	—	—	<b>261-069</b>	10	—	—	
45 mm	6.75	—	—	—	—	<b>261-077</b>	10	—	—	
52 mm	7.80	—	—	—	—	<b>261-090</b>	10	—	—	
55 mm	8.25	—	—	—	—	<b>261-096</b>	10	—	—	



ZINC							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	—	—	—	—	<b>261-326</b>	10	—	—	
35 mm	9.30	—	—	—	—	<b>261-347</b>	10	—	—	
40 mm	5.60	—	—	—	—	<b>261-364</b>	10	—	—	
42 mm	6.60	—	—	—	—	<b>261-367</b>	10	—	—	
45 mm	8.10	—	—	—	—	<b>261-377</b>	10	—	—	

**261**  
Series**paulin** METRIC EXPANSION PLUGSPART CLASS #  
802AU

ORDER BY ITEM (PACKAGE) NUMBER

 Product not available in this pack size

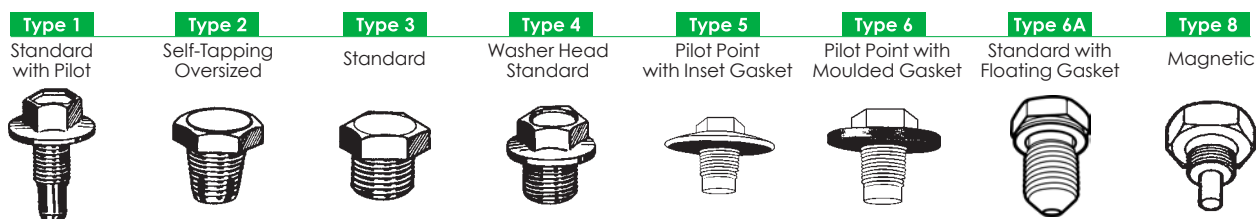
ZINC								CUP Type	
Nominal O.D.	Approx. Weight (lb) /100 pcs	Clamshell #	Qty	Handy Pak #	Qty	Black Box #	Qty	Bulk Carton #	Qty
11 mm	0.71	—	—	—	—	<b>261-103</b>	10	—	—
12 mm	0.78	—	—	—	—	<b>261-105</b>	10	—	—
14 mm	0.91	—	—	—	—	<b>261-107</b>	10	—	—
14.4 mm	0.93	—	—	—	—	<b>261-108</b>	10	—	—
15 mm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

**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	25	Fibre 12 mm x .748 X 3/32	—	—
263-809	0.16	25	Fibre 16 mm x 1.062 X 3/32	—	—
263-810	0.16	25	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	25	Aluminum 14 mm x 20 mm x .078	—	—
263-873	0.24	25	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	25	Rubber 12 mm x 20 mm x .102	—	—
—	1.00	25	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	25	Rubber/Metal 12 mm x 25 mm x .078	—	—

**263**  
Series**paulin****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

**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*

**263**  
Series

**paulin** METRIC GASKETS

**AUTOMOTIVE**

**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

<b>Inches to Millimetres</b>			
<b>Inch</b>	<b>Millimetre</b>	<b>Inch</b>	<b>Millimetre</b>
1	25.40	0.0394	1






<b>Standard and Metric Sizes</b>					
<b>Inch</b>	<b>Millimetre</b>	<b>Inch</b>	<b>Millimetre</b>	<b>Inch</b>	<b>Millimetre</b>
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

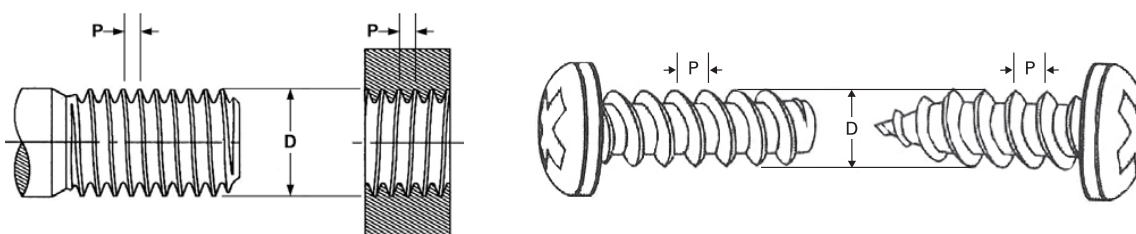


## METRIC BOLT HEAD AND WRENCH SIZES


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
<b>8.8</b>		M3 to M39	84,000 (580 MPa)	116,000 (800 MPa)	C22-C34	250-335
<b>MATERIAL HEAT TREATMENT</b>	<ul style="list-style-type: none"> <li>- 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</li> <li>- In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.6%</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> <li>- 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.</li> </ul>					

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
<b>9.8</b>		M1.6 to M16	95,000 (650 MPa)	131,000 (900 MPa)	C28-C37	290-360
<b>MATERIAL HEAT TREATMENT</b>	<ul style="list-style-type: none"> <li>- 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</li> <li>- In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.7%</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> <li>- 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.</li> </ul>					

# 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
<b>10.9</b>		M3 to M39	120,000 (830 MPa)	151,000 (1040 MPa)	C32-C39	320-380
<b>MATERIAL HEAT TREATMENT</b>	<ul style="list-style-type: none"> <li>- 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</li> <li>- In case of plain carbon boron steel with carbon content below 0.25% (cast analysis), the minimum manganese content shall be 0.7%</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> </ul>					
	<ul style="list-style-type: none"> <li>- 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</li> <li>- 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.</li> <li>- 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.</li> </ul>					

## IFI – Industrial Fasteners Institute

[www.indfast.org](http://www.indfast.org)

## ASTM – American Society for Testing and Materials

[www.astm.org](http://www.astm.org)

## SAE – Society of Automotive Engineers

[www.sae.org](http://www.sae.org)

## AISI – American Iron and Steel Institute

[www.steel.org](http://www.steel.org)

## ASME – American Society of Mechanical Engineers

[www.asme.org](http://www.asme.org)

## JIS – Japanese Industrial Standards

[www.jisc.go.jp/eng](http://www.jisc.go.jp/eng)

## ISO – International Organization for Standardization

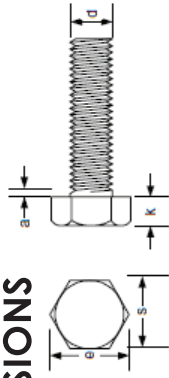
[www.iso.org](http://www.iso.org)

## DIN – German Institute for Standardization

[www.din.de](http://www.din.de)



## 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.

Nom. Thread Diameter (D)	Dimensions in mm.																			
	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39	M42	M45	M48
THREAD PITCH (COARSE)	0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5	3	3	3.5	4	4	4.5	4.5	5
a max.	1.5	2.1	2.4	3	3	3.75	4.5	5.25	6	6	7.5	7.5	9	9	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
face max.	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	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	45.2	50.85	55.37	60.79	66.44	71.3	76.95
Nom. Dimensions	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
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
max.	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
k	5.5	7	8	10	11	13	17	19	22	24	27	30	32	36	41	46	50	55	60	65
Max. = Nom. Dimensions	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
s min.																				

### 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.

Nom. Thread Diameter (D)	Dimensions in mm.												
	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
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
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
k	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.
ISO mm	16	15.73	18	17.73	21	20.67
DIN mm	17	16.73	19	18.67	22	21.67

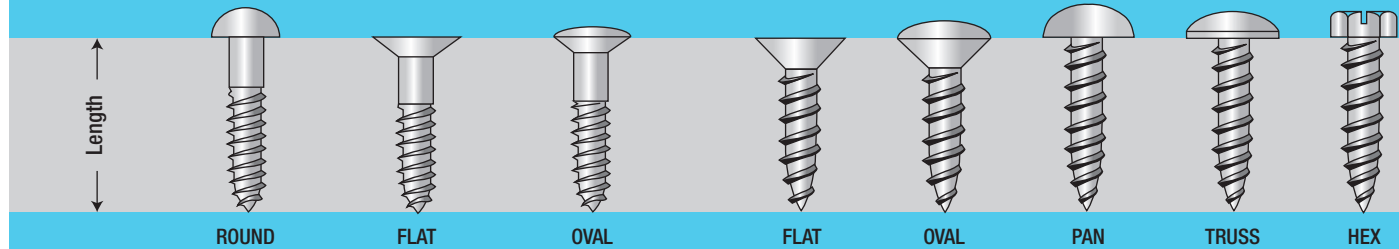
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# paulin<sup>®</sup> FASTENER IDENTIFICATION CHART

## WOOD SCREWS



ROUND

FLAT

OVAL

FLAT

OVAL

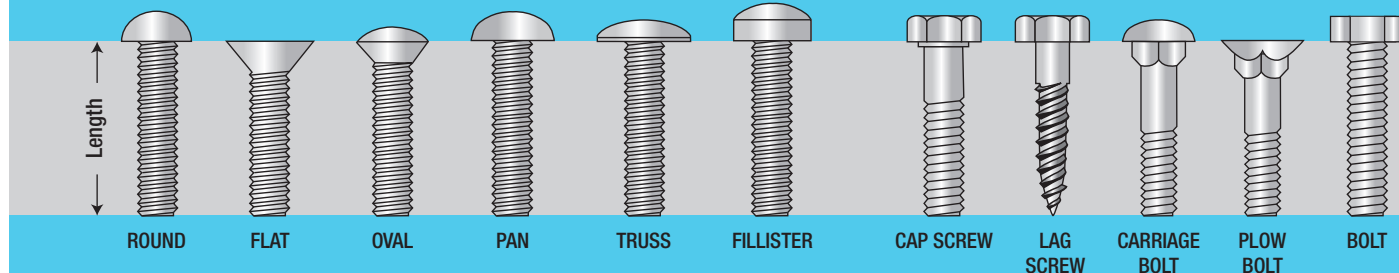
PAN

TRUSS

HEX

## TAPPING SCREWS

## MACHINE SCREWS



ROUND

FLAT

OVAL

PAN

TRUSS

FILLISTER

CAP SCREW

LAG SCREW

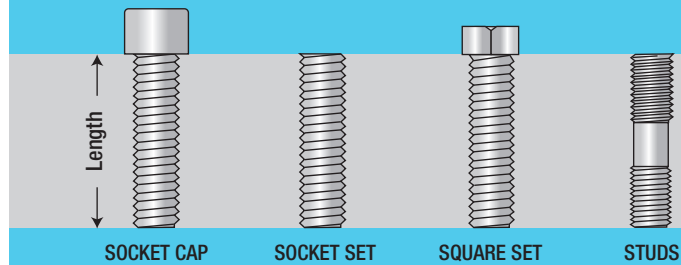
CARRIAGE BOLT

PLOW BOLT

BOLT

## SCREWS & BOLTS

## SET SCREWS & STUDS



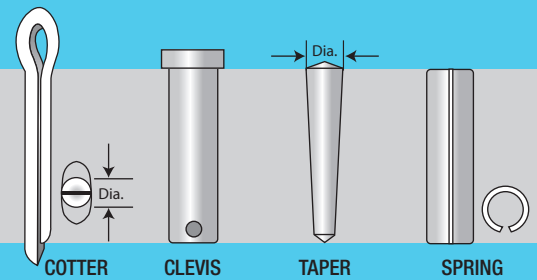
SOCKET CAP

SOCKET SET

SQUARE SET

STUDS

## STANDARD PINS



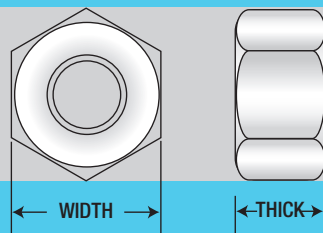
COTTER

CLEVIS

TAPER

SPRING

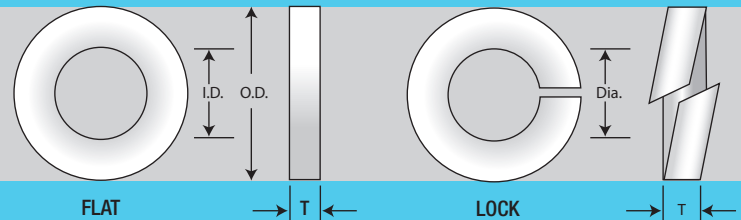
## HEX NUTS



WIDTH

THICK

## WASHERS



FLAT

T

LOCK

T

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