

# HI-TENSILE

HEX PRODUCTS



FOUNDED 1925

CAT#HH1008



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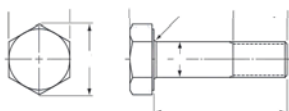
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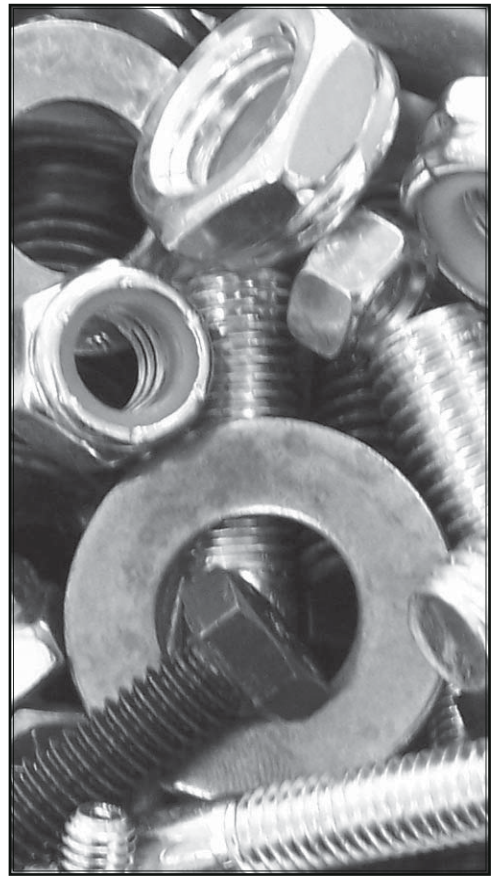




8.8 BOLT / BOLT & NUT



DIAMETER <b>M5</b> PITCH 0.80mm					
BOLT ONLY					
Length (mm)	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price	
12	-	-	815001	<b>162.00</b>	100
16	-	-	815002	<b>162.00</b>	100
20	880410	<b>138.00</b>	815003	<b>168.00</b>	100
25	880413	<b>141.00</b>	815004	<b>170.00</b>	100
30	880416	<b>145.00</b>	815005	<b>174.00</b>	100
35	880419	<b>156.00</b>	815006	<b>187.00</b>	100
40	880422	<b>171.00</b>	815007	<b>203.00</b>	100
45	880425	<b>183.00</b>	-	-	100
50	880428	<b>193.00</b>	-	-	100
55	880431	<b>218.00</b>	-	-	100
60	880434	<b>234.00</b>	-	-	100



DIAMETER <b>M6</b> PITCH 1.00mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
12	880437	<b>120.00</b>	815549	<b>124.00</b>	100	481030	<b>124.00</b>	482030	<b>135.00</b>	100
16	880001	<b>124.00</b>	815008	<b>125.00</b>	100	481033	<b>134.00</b>	482033	<b>136.00</b>	100
20	880007	<b>124.00</b>	815009	<b>125.00</b>	100	481036	<b>134.00</b>	482036	<b>139.00</b>	100
25	880010	<b>134.00</b>	815010	<b>136.00</b>	100	481039	<b>145.00</b>	482039	<b>148.00</b>	100
30	880013	<b>149.00</b>	815013	<b>153.00</b>	100	481042	<b>159.00</b>	482042	<b>165.00</b>	100
35	880016	<b>165.00</b>	815016	<b>169.00</b>	100	481045	<b>175.00</b>	482045	<b>181.00</b>	100
40	880019	<b>178.00</b>	815019	<b>178.00</b>	100	481048	<b>188.00</b>	482048	<b>192.00</b>	100
45	880022	<b>191.00</b>	815022	<b>206.00</b>	100	481051	<b>202.00</b>	482051	<b>218.00</b>	100
50	880025	<b>204.00</b>	815025	<b>213.00</b>	100	481054	<b>215.00</b>	482054	<b>225.00</b>	100
55	880440	<b>345.00</b>	815027	<b>418.00</b>	100	481057	<b>355.00</b>	482057	<b>429.00</b>	100
60	880028	<b>362.00</b>	815028	<b>438.00</b>	100	481060	<b>372.00</b>	482060	<b>450.00</b>	100
65	880443	<b>396.00</b>	815551	<b>448.00</b>	100	481063	<b>406.00</b>	482063	<b>460.00</b>	100
70	880029	<b>457.00</b>	815553	<b>553.00</b>	100	481066	<b>467.00</b>	482066	<b>565.00</b>	100
75	880446	<b>459.00</b>	815555	<b>556.00</b>	100	481069	<b>469.00</b>	482069	<b>568.00</b>	100
80	880030	<b>485.00</b>	815557	<b>580.00</b>	100	481072	<b>495.00</b>	482072	<b>592.00</b>	100



8.8 BOLT / BOLT & NUT



DIAMETER <b>M8</b> PITCH 1.25mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
<b>12</b>	880665	<b>174.00</b>	815030	<b>184.00</b>	100	481075	<b>192.00</b>	482075	<b>196.00</b>	100
<b>16</b>	880031	<b>174.00</b>	815031	<b>184.00</b>	100	481078	<b>195.00</b>	482078	<b>207.00</b>	100
<b>20</b>	880034	<b>174.00</b>	815034	<b>184.00</b>	100	481081	<b>196.00</b>	482081	<b>207.00</b>	100
<b>25</b>	880037	<b>193.00</b>	815037	<b>194.00</b>	100	481084	<b>215.00</b>	482084	<b>221.00</b>	100
<b>30</b>	880040	<b>207.00</b>	815040	<b>213.00</b>	100	481087	<b>229.00</b>	482087	<b>243.00</b>	100
<b>35</b>	880043	<b>222.00</b>	815043	<b>232.00</b>	100	481090	<b>244.00</b>	482090	<b>256.00</b>	100
<b>40</b>	880046	<b>245.00</b>	815046	<b>257.00</b>	100	481093	<b>267.00</b>	482093	<b>293.00</b>	100
<b>45</b>	880049	<b>266.00</b>	815049	<b>282.00</b>	100	481096	<b>288.00</b>	482096	<b>319.00</b>	100
<b>50</b>	880052	<b>273.00</b>	815052	<b>296.00</b>	100	481099	<b>295.00</b>	482099	<b>320.00</b>	100
<b>55</b>	880449	<b>377.00</b>	815054	<b>391.00</b>	100	481102	<b>399.00</b>	482102	<b>415.00</b>	100
<b>60</b>	880055	<b>451.00</b>	815055	<b>507.00</b>	100	481105	<b>473.00</b>	482105	<b>530.00</b>	100
<b>65</b>	880452	<b>483.00</b>	815057	<b>508.00</b>	100	481108	<b>505.00</b>	482108	<b>532.00</b>	100
<b>70</b>	880058	<b>523.00</b>	815058	<b>575.00</b>	100	481111	<b>545.00</b>	482111	<b>599.00</b>	100
<b>75</b>	880455	<b>589.00</b>	815059	<b>650.00</b>	100	481114	<b>610.00</b>	482114	<b>673.00</b>	100
<b>80</b>	880458	<b>613.00</b>	815501	<b>682.00</b>	50	481117	<b>635.00</b>	482117	<b>705.00</b>	100
<b>85</b>	-	-	815503	<b>714.00</b>	50	-	-	482120	<b>738.00</b>	100
<b>90</b>	880461	<b>704.00</b>	815505	<b>717.00</b>	50	481120	<b>726.00</b>	482123	<b>740.00</b>	50
<b>95</b>	-	-	815507	<b>822.00</b>	50	-	-	482126	<b>846.00</b>	50
<b>100</b>	880464	<b>1,081.00</b>	815509	<b>1,221.00</b>	50	481123	<b>1,103.00</b>	482129	<b>1,244.00</b>	50
<b>110</b>	880668	<b>1,157.00</b>	815511	<b>1,326.00</b>	25	481126	<b>1,179.00</b>	482132	<b>1,350.00</b>	50
<b>120</b>	880671	<b>1,233.00</b>	815513	<b>1,431.00</b>	25	481129	<b>1,255.00</b>	482135	<b>1,455.00</b>	50
<b>130</b>	880674	<b>1,309.00</b>	815515	<b>1,536.00</b>	25	481132	<b>1,331.00</b>	482138	<b>1,560.00</b>	50
<b>140</b>	-	-	815517	<b>1,779.00</b>	25	-	-	482141	<b>2,286.00</b>	50
<b>150</b>	-	-	815519	<b>2,103.00</b>	25	-	-	482144	<b>2,540.00</b>	50
<b>160</b>	-	-	815521	<b>2,594.00</b>	25	-	-	482147	<b>2,794.00</b>	25
<b>180</b>	-	-	815523	<b>2,906.00</b>	25	-	-	482150	<b>3,048.00</b>	25
<b>200</b>	-	-	815525	<b>3,213.00</b>	25	-	-	482153	<b>3,556.00</b>	25

List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded


**8.8 BOLT / BOLT & NUT**


DIAMETER <b>M10</b> PITCH 1.50mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
16	880061	237.00	815061	244.00	100	481135	260.00	482156	293.00	100
20	880064	237.00	815064	248.00	100	481138	277.00	482159	300.00	100
25	880067	247.00	815067	280.00	100	481141	288.00	482162	331.00	100
30	880070	290.00	815070	308.00	100	481144	324.00	482165	339.00	100
35	880073	292.00	815073	313.00	100	481147	343.00	482168	349.00	100
40	880076	302.00	815076	339.00	100	481150	364.00	482171	387.00	100
45	880079	383.00	815079	390.00	100	481153	433.00	482174	428.00	100
50	880082	415.00	815082	424.00	100	481156	460.00	482177	466.00	100
55	880085	440.00	815085	527.00	100	481159	501.00	482180	567.00	100
60	880088	496.00	815088	578.00	100	481162	542.00	482183	638.00	100
65	880091	501.00	815091	596.00	100	481165	556.00	482186	656.00	100
70	880094	554.00	815094	673.00	100	481168	611.00	482189	700.00	100
75	880097	616.00	815097	686.00	100	481171	631.00	482192	749.00	100
80	880100	705.00	815100	781.00	100	481174	753.00	482195	825.00	50
90	880103	862.00	815103	1,031.00	50	481177	903.00	482198	1,075.00	50
100	880106	942.00	815106	1,130.00	50	481180	983.00	482201	1,174.00	50
110	880467	1,090.00	815107	1,218.00	50	481183	1,130.00	482204	1,262.00	50
120	880470	1,129.00	815099	1,314.00	50	481186	1,170.00	482207	1,358.00	50
130	880473	1,133.00	815080	1,382.00	50	481189	1,186.00	482210	1,425.00	50
140	880476	1,182.00	815084	1,412.00	50	481192	1,222.00	482213	1,456.00	50
150	880479	1,307.00	815120	1,523.00	50	481195	1,348.00	482216	1,567.00	50
160	880677	1,427.00	815541	1,627.00	25	481198	1,468.00	482219	1,674.00	25
170	880680	1,547.00	815543	1,763.00	25	481201	1,588.00	482222	1,810.00	25
180	880683	1,666.00	815542	1,900.00	25	481204	1,707.00	482225	1,947.00	25
190	880686	1,786.00	815544	2,036.00	25	481207	1,827.00	482228	2,083.00	25
200	880689	1,906.00	815547	2,173.00	25	481210	1,947.00	482231	2,220.00	25
220	-	-	815545	3,374.00	25	-	-	482234	3,556.00	25



8.8 BOLT / BOLT & NUT



DIAMETER <b>M12</b> PITCH 1.75mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
<b>20</b>	880109	<b>483.00</b>	815109	<b>499.00</b>	50	481213	<b>546.00</b>	482237	<b>567.00</b>	50
<b>25</b>	880112	<b>483.00</b>	815112	<b>499.00</b>	50	481216	<b>546.00</b>	482240	<b>568.00</b>	50
<b>30</b>	880115	<b>520.00</b>	815115	<b>527.00</b>	50	481219	<b>583.00</b>	482243	<b>594.00</b>	50
<b>35</b>	880118	<b>570.00</b>	815118	<b>575.00</b>	50	481222	<b>632.00</b>	482246	<b>654.00</b>	50
<b>40</b>	880121	<b>578.00</b>	815121	<b>610.00</b>	50	481225	<b>650.00</b>	482249	<b>701.00</b>	50
<b>45</b>	880124	<b>618.00</b>	815124	<b>685.00</b>	50	481228	<b>681.00</b>	482252	<b>752.00</b>	50
<b>50</b>	880127	<b>651.00</b>	815127	<b>730.00</b>	50	481231	<b>714.00</b>	482255	<b>797.00</b>	50
<b>55</b>	880130	<b>765.00</b>	815130	<b>870.00</b>	50	481234	<b>835.00</b>	482258	<b>938.00</b>	50
<b>60</b>	880133	<b>802.00</b>	815133	<b>900.00</b>	50	481237	<b>880.00</b>	482261	<b>967.00</b>	50
<b>65</b>	880136	<b>812.00</b>	815136	<b>926.00</b>	50	481240	<b>913.00</b>	482264	<b>993.00</b>	50
<b>70</b>	880139	<b>862.00</b>	815139	<b>973.00</b>	50	481243	<b>948.00</b>	482267	<b>1,076.00</b>	50
<b>75</b>	880482	<b>946.00</b>	815141	<b>1,087.00</b>	50	481246	<b>1,018.00</b>	482270	<b>1,154.00</b>	50
<b>80</b>	880142	<b>1,043.00</b>	815142	<b>1,201.00</b>	25	481249	<b>1,106.00</b>	482273	<b>1,268.00</b>	25
<b>90</b>	880145	<b>1,101.00</b>	815145	<b>1,248.00</b>	25	481252	<b>1,164.00</b>	482276	<b>1,292.00</b>	25
<b>100</b>	880148	<b>1,142.00</b>	815148	<b>1,682.00</b>	25	481255	<b>1,247.00</b>	482279	<b>1,750.00</b>	25
<b>110</b>	880150	<b>1,450.00</b>	815150	<b>1,831.00</b>	25	481258	<b>1,513.00</b>	482282	<b>1,899.00</b>	25
<b>120</b>	880151	<b>1,585.00</b>	815151	<b>2,015.00</b>	25	481261	<b>1,647.00</b>	482285	<b>2,083.00</b>	25
<b>130</b>	880485	<b>1,715.00</b>	815351	<b>2,068.00</b>	25	481264	<b>1,777.00</b>	482288	<b>2,137.00</b>	25
<b>140</b>	880488	<b>2,153.00</b>	815355	<b>2,159.00</b>	25	481267	<b>2,216.00</b>	482291	<b>2,226.00</b>	25
<b>150</b>	880491	<b>2,207.00</b>	815359	<b>2,782.00</b>	25	481270	<b>2,270.00</b>	482294	<b>2,849.00</b>	25
<b>160</b>	880494	<b>2,327.00</b>	815361	<b>2,925.00</b>	25	481273	<b>2,389.00</b>	482297	<b>2,993.00</b>	25
<b>170</b>	880692	<b>2,446.00</b>	815363	<b>3,069.00</b>	10	481276	<b>2,509.00</b>	482300	<b>3,136.00</b>	10
<b>180</b>	880497	<b>2,566.00</b>	815365	<b>3,295.00</b>	10	481279	<b>2,629.00</b>	482303	<b>3,362.00</b>	10
<b>190</b>	880695	<b>2,686.00</b>	815367	<b>3,438.00</b>	10	481282	<b>2,749.00</b>	482306	<b>3,505.00</b>	10
<b>200</b>	880500	<b>2,806.00</b>	815369	<b>3,584.00</b>	10	481285	<b>2,868.00</b>	482309	<b>3,651.00</b>	10
<b>220</b>	-	-	815373	<b>4,338.00</b>	10	-	-	482312	<b>4,318.00</b>	10





8.8 BOLT / BOLT & NUT



DIAMETER <b>M14</b> PITCH 2.00mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
Part Number	List Price	Part Number	List Price	Part Number		List Price	Part Number	List Price		
25	880503	856.00	815401	1,135.00	25	481288	946.00	482315	1,250.00	25
30	880506	881.00	815405	1,157.00	25	481291	970.00	482318	1,268.00	25
35	880509	907.00	815409	1,186.00	25	481294	995.00	482321	1,301.00	25
40	880512	911.00	815413	1,211.00	25	481297	1,000.00	482324	1,309.00	25
45	880515	975.00	-	-	25	481300	1,065.00	-	-	25
50	880518	1,016.00	815417	1,328.00	25	481303	1,106.00	482327	1,444.00	25
55	880521	1,217.00	815421	1,582.00	25	481306	1,307.00	482330	1,697.00	25
60	880524	1,274.00	815425	1,663.00	25	481309	1,360.00	482333	1,776.00	25
65	880527	1,314.00	815429	1,710.00	25	481312	1,404.00	482336	1,827.00	25
70	880530	1,355.00	815431	1,770.00	25	481315	1,444.00	482339	1,888.00	25
75	880533	1,668.00	815435	2,166.00	25	481318	1,756.00	482342	2,281.00	25
80	880536	1,734.00	815439	2,299.00	25	481321	1,821.00	482345	2,416.00	25
90	880539	1,820.00	815443	2,375.00	25	481324	1,909.00	482348	2,492.00	25
100	880542	1,857.00	815447	2,413.00	25	481327	1,942.00	482351	2,530.00	25
110	880545	1,911.00	-	-	25	481330	1,999.00	-	-	25
120	880548	1,995.00	-	-	25	481333	2,083.00	-	-	25
130	880551	2,093.00	-	-	25	481336	2,181.00	-	-	25
140	880554	2,192.00	-	-	25	481339	2,278.00	-	-	25
150	880557	2,295.00	-	-	25	481342	2,384.00	-	-	25





**8.8 BOLT / BOLT & NUT**



DIAMETER <b>M16</b> PITCH 2.00mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
25	880560	870.00	815559	927.00	25	481345	1,068.00	482354	1,091.00	25
30	880154	927.00	815154	936.00	25	481348	1,069.00	482357	1,119.00	25
35	880155	942.00	815156	962.00	25	481351	1,126.00	482360	1,175.00	25
40	880157	967.00	815157	1,041.00	25	481354	1,135.00	482363	1,212.00	25
45	880158	987.00	815159	1,055.00	25	481357	1,186.00	482366	1,233.00	25
50	880160	1,062.00	815160	1,084.00	25	481360	1,233.00	482369	1,244.00	25
55	880563	1,144.00	815162	1,209.00	25	481363	1,331.00	482372	1,385.00	25
60	880163	1,249.00	815163	1,262.00	25	481366	1,422.00	482375	1,463.00	25
65	880566	1,343.00	815165	1,349.00	25	481369	1,503.00	482378	1,519.00	25
70	880166	1,422.00	815166	1,457.00	25	481372	1,582.00	482381	1,628.00	25
75	880169	1,515.00	815169	1,582.00	25	481375	1,675.00	482384	1,753.00	25
80	880172	1,596.00	815172	1,700.00	25	481378	1,682.00	482387	1,864.00	25
85	880569	1,658.00	815173	1,765.00	25	481381	1,753.00	482390	1,915.00	25
90	880175	1,745.00	815175	1,847.00	25	481384	1,905.00	482393	2,001.00	25
100	880178	1,879.00	815178	1,948.00	25	481387	2,054.00	482396	2,167.00	25
110	880181	2,096.00	815181	2,509.00	25	481390	2,217.00	482399	2,719.00	25
120	880184	2,220.00	815184	2,691.00	25	481393	2,361.00	482402	2,838.00	25
130	880187	2,455.00	815187	2,994.00	25	481396	2,572.00	482405	3,213.00	25
140	880190	2,651.00	815190	3,144.00	25	481399	2,715.00	482408	3,423.00	25
150	880193	2,775.00	815193	3,568.00	25	481402	2,886.00	482411	3,732.00	25
160	880196	3,004.00	815196	3,683.00	10	481405	3,101.00	482414	3,847.00	10
170	880198	3,399.00	815198	3,777.00	10	481408	3,496.00	482417	3,940.00	10
180	880202	3,634.00	815202	3,930.00	10	481411	3,787.00	482420	4,094.00	10
190	880205	3,923.00	815205	4,018.00	10	481414	4,076.00	482423	4,206.00	10
200	880208	3,946.00	815208	4,130.00	10	481417	4,100.00	482426	4,443.00	10
210	880211	4,235.00	815561	4,744.00	10	481420	4,389.00	482429	4,916.00	10
220	880214	4,525.00	815563	5,068.00	10	481423	4,678.00	482432	5,239.00	10
230	880217	4,814.00	815565	5,392.00	10	481426	4,967.00	482435	5,563.00	10
240	880220	5,103.00	815567	5,715.00	10	481429	5,256.00	482438	5,887.00	10
250	880223	5,392.00	815569	6,039.00	10	481432	5,546.00	482441	6,212.00	10
260	880572	8,376.00	-	-	10	481435	8,466.00	-	-	10
280	880575	9,108.00	-	-	10	481438	9,195.00	-	-	10
300	880578	10,170.00	-	-	10	481441	10,255.00	-	-	10

List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded



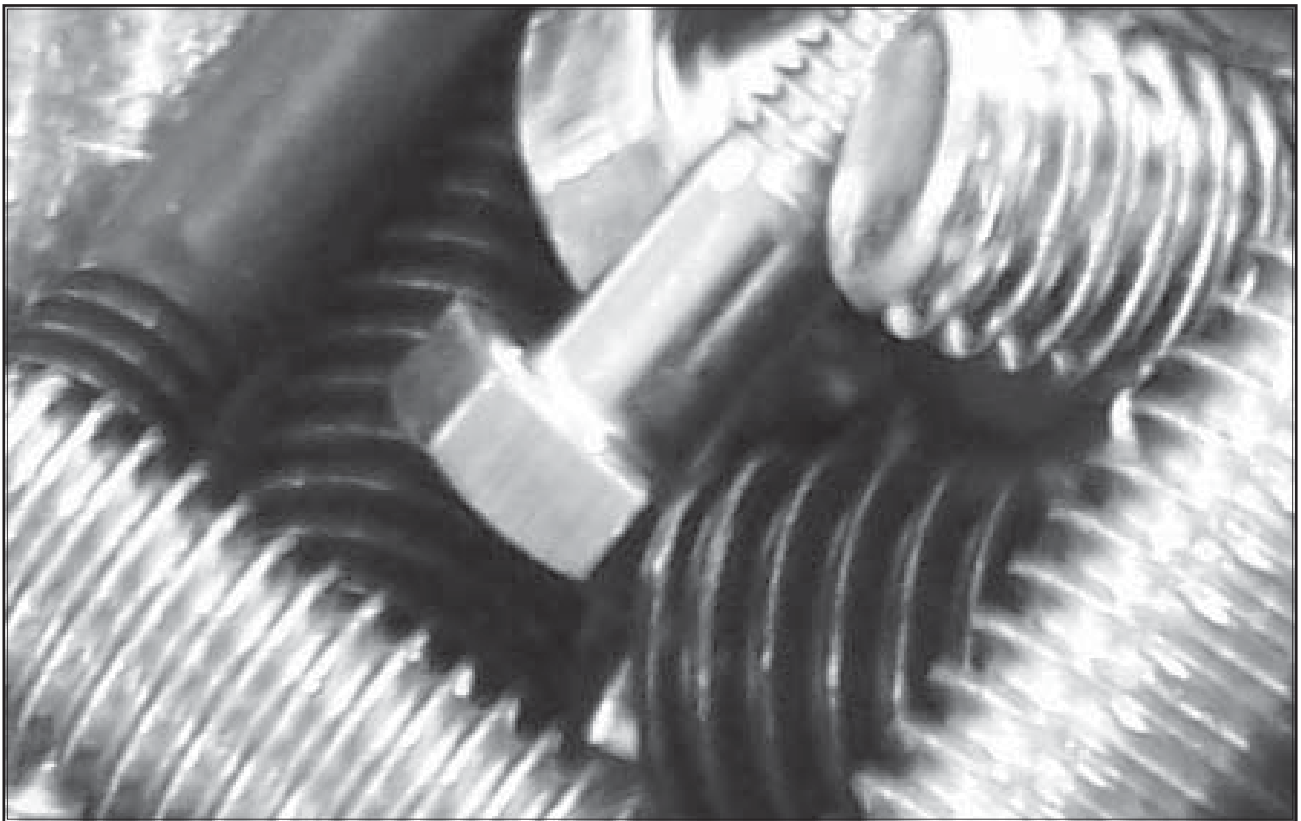


8.8 BOLT / BOLT & NUT



**DIAMETER M18 PITCH 2.50mm**

Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
30	880581	1,614.00	-	-	25	481444	1,966.00	-	-	25
40	880584	1,638.00	-	-	25	481447	1,982.00	-	-	25
45	880587	1,718.00	-	-	25	481450	2,002.00	-	-	25
50	880590	1,991.00	-	-	25	481453	2,090.00	-	-	25
55	880593	2,061.00	-	-	25	481456	2,208.00	-	-	25
60	880596	2,076.00	-	-	25	481459	2,278.00	-	-	25
65	880599	2,127.00	-	-	25	481462	2,461.00	-	-	25
70	880602	2,163.00	-	-	25	481465	2,639.00	-	-	25
75	880605	2,510.00	-	-	25	481468	2,705.00	-	-	25
80	880608	2,705.00	-	-	25	481471	2,852.00	-	-	25
90	880611	2,861.00	-	-	25	481474	2,953.00	-	-	25
100	880614	3,004.00	-	-	25	481477	3,089.00	-	-	25





8.8 BOLT / BOLT & NUT



DIAMETER <b>M20</b> PITCH 2.50mm										
Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
30	880224	1,526.00	815220	1,586.00	25	481480	2,007.00	482444	1,994.00	25
35	880225	1,526.00	815223	1,658.00	25	481483	2,032.00	482447	2,083.00	25
40	880226	1,746.00	815226	1,974.00	25	481486	2,080.00	482450	2,137.00	25
45	880227	1,767.00	815227	2,156.00	25	481489	2,117.00	482453	2,565.00	25
50	880229	1,793.00	815229	2,195.00	25	481492	2,192.00	482456	2,592.00	25
55	880620	1,936.00	815230	2,429.00	25	481495	2,272.00	482459	2,780.00	25
60	880232	2,046.00	815232	2,439.00	25	481498	2,384.00	482462	2,886.00	25
65	880623	2,121.00	815233	2,489.00	25	481501	2,441.00	482465	2,943.00	25
70	880235	2,207.00	815235	2,552.00	25	481504	2,527.00	482468	2,981.00	25
75	880626	2,350.00	815237	2,572.00	25	481507	2,690.00	482471	3,025.00	25
80	880238	2,443.00	815238	2,922.00	25	481510	2,763.00	482474	3,391.00	25
85	880629	2,455.00	815239	2,966.00	25	481513	2,882.00	482477	3,437.00	25
90	880241	2,608.00	815241	3,010.00	25	481516	2,928.00	482480	3,482.00	25
100	880244	2,903.00	815244	3,307.00	25	481519	3,223.00	482483	3,523.00	25
110	880247	3,031.00	815247	3,546.00	25	481522	3,351.00	482486	3,888.00	10
120	880250	3,202.00	815250	3,755.00	25	481525	3,604.00	482489	4,097.00	10
130	880253	3,328.00	815253	3,815.00	25	481528	3,648.00	482492	4,142.00	10
140	880256	3,421.00	815256	4,666.00	25	481531	3,828.00	482495	4,993.00	10
150	880259	3,615.00	815259	4,910.00	25	481534	3,965.00	482498	5,237.00	10
160	880262	5,150.00	815262	6,480.00	10	481537	5,310.00	482501	6,807.00	10
170	880265	5,801.00	815265	8,049.00	10	481540	6,035.00	482504	8,376.00	10
180	880268	6,452.00	815268	9,187.00	10	481543	6,759.00	482507	9,514.00	10
190	880271	6,796.00	815271	9,382.00	10	481546	7,102.00	482510	9,709.00	10
200	880274	7,139.00	815274	9,576.00	10	481549	7,446.00	482513	9,904.00	10
210	880277	8,938.00	815571	10,010.00	10	481552	9,173.00	482516	10,275.00	10
220	880280	10,738.00	815573	12,026.00	10	481555	10,900.00	482519	12,208.00	10
230	-	-	815575	13,510.00	10	-	-	482522	13,691.00	10
240	880286	13,385.00	815577	14,992.00	10	481558	13,548.00	482525	15,173.00	10
250	880289	13,315.00	815579	14,913.00	10	481561	13,667.00	482528	15,308.00	10
260	880632	16,546.00	-	-	10	481564	16,721.00	-	-	10
280	880635	17,277.00	-	-	10	481567	17,451.00	-	-	10
300	880638	18,305.00	-	-	10	481570	18,479.00	-	-	10

List price in AUD per 100. Prices are exclusive of GST.  
Items in shaded areas are supplied fully threaded

**DIAMETER M24 PITCH 3.00mm**

Length (mm)	BOLT ONLY					BOLT & NUT				
	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty	PLAIN FINISH		ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	Part Number	List Price		Part Number	List Price	Part Number	List Price	
40	880292	3,534.00	815292	3,695.00	10	481573	4,280.00	482531	4,953.00	10
45	880641	3,550.00	-	-	10	481576	4,293.00	-	-	10
50	880295	3,767.00	815295	4,590.00	10	481579	4,308.00	482534	5,169.00	10
55	880644	4,123.00	815297	5,499.00	10	481582	4,665.00	482537	6,077.00	10
60	880298	4,154.00	815298	5,595.00	10	481585	4,696.00	482540	6,174.00	10
65	880647	4,170.00	815300	5,629.00	10	481588	4,712.00	482543	6,207.00	10
70	880301	4,511.00	815301	6,068.00	10	481591	5,053.00	482546	6,647.00	10
75	880650	4,563.00	815303	6,144.00	10	481594	5,104.00	482549	6,723.00	10
80	880304	4,587.00	815304	6,410.00	10	481597	5,174.00	482552	6,988.00	10
85	880653	4,837.00	-	-	10	481600	5,379.00	-	-	10
90	880307	4,859.00	815307	6,600.00	10	481603	5,401.00	482555	7,178.00	10
100	880310	4,878.00	815310	7,225.00	10	481606	5,420.00	482558	7,803.00	10
110	880313	5,829.00	815313	7,893.00	10	481609	6,371.00	482561	8,471.00	10
120	880316	6,099.00	815316	8,583.00	10	481612	6,641.00	482564	9,162.00	10
130	880319	6,365.00	815319	8,981.00	10	481615	6,907.00	482567	9,559.00	10
140	880322	7,029.00	815322	10,854.00	10	481618	7,571.00	482570	11,433.00	10
150	880325	7,316.00	815325	11,409.00	10	481621	7,857.00	482573	11,988.00	10
160	880328	10,996.00	815328	14,149.00	10	481624	11,538.00	482576	14,728.00	10
170	880331	11,104.00	815331	15,969.00	10	481627	11,646.00	482579	16,547.00	10
180	880334	11,144.00	815333	17,789.00	10	481630	11,685.00	482582	18,367.00	5
190	880337	11,158.00	815581	17,970.00	5	481633	11,694.00	482585	18,548.00	5
200	880340	11,161.00	815583	17,992.00	5	481636	11,703.00	482588	18,570.00	5
210	880343	15,871.00	815585	18,411.00	5	481639	16,413.00	482591	19,039.00	5
220	880346	20,143.00	815587	20,700.00	5	481642	20,685.00	482594	21,278.00	5
230	-	-	815589	24,563.00	5	-	-	482597	25,191.00	5
240	880352	21,788.00	815591	21,376.00	5	481645	22,706.00	482600	26,600.00	5
250	880355	22,972.00	815593	28,700.00	5	481648	23,514.00	482603	29,279.00	5
260	880656	24,200.00	-	-	5	481651	24,130.00	-	-	5
280	880659	26,660.00	-	-	5	481654	26,670.00	-	-	5
300	880662	28,250.00	-	-	5	481657	29,210.00	-	-	5

**8.8 BOLT / BOLT & NUT**





8.8 BOLT M30 & M36

DIAMETER <b>M30</b> PITCH 3.50mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>70</b>	867500	<b>9,942.00</b>	1
<b>75</b>	867505	<b>9,985.00</b>	1
<b>80</b>	867510	<b>10,032.00</b>	1
<b>90</b>	867515	<b>10,089.00</b>	1
<b>100</b>	867520	<b>10,178.00</b>	1
<b>110</b>	867525	<b>10,656.00</b>	1
<b>120</b>	867530	<b>12,023.00</b>	1
<b>130</b>	867535	<b>12,023.00</b>	1
<b>140</b>	867540	<b>14,276.00</b>	1
<b>150</b>	867545	<b>14,276.00</b>	1
<b>160</b>	867550	<b>17,000.00</b>	1
<b>170</b>	867555	<b>18,118.00</b>	1
<b>180</b>	867560	<b>19,235.00</b>	1
<b>190</b>	867565	<b>20,500.00</b>	1
<b>200</b>	867570	<b>21,763.00</b>	1
<b>210</b>	867575	<b>23,026.00</b>	1
<b>220</b>	867580	<b>23,851.00</b>	1
<b>230</b>	867585	<b>25,553.00</b>	1
<b>240</b>	867590	<b>26,816.00</b>	1
<b>250</b>	867595	<b>28,080.00</b>	1
<b>260</b>	867600	<b>30,086.00</b>	1
<b>270</b>	867605	<b>32,532.00</b>	1
<b>280</b>	867610	<b>32,813.00</b>	1
<b>290</b>	867615	<b>34,976.00</b>	1
<b>300</b>	867620	<b>35,278.00</b>	1
<b>320</b>	867625	<b>46,189.00</b>	1
<b>350</b>	867630	<b>50,051.00</b>	1
<b>380</b>	867635	<b>54,836.00</b>	1
<b>450</b>	867640	<b>60,764.00</b>	1

DIAMETER <b>M36</b> PITCH 4.00mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>90</b>	867645	<b>21,420.00</b>	1
<b>100</b>	867650	<b>24,116.00</b>	1
<b>110</b>	867655	<b>27,757.00</b>	1
<b>120</b>	867660	<b>28,021.00</b>	1
<b>130</b>	867665	<b>28,819.00</b>	1
<b>140</b>	867670	<b>29,712.00</b>	1
<b>150</b>	867675	<b>32,663.00</b>	1
<b>160</b>	867680	<b>33,146.00</b>	1
<b>170</b>	867685	<b>36,217.00</b>	1
<b>180</b>	867690	<b>36,552.00</b>	1
<b>190</b>	867695	<b>39,393.00</b>	1
<b>200</b>	867700	<b>39,956.00</b>	1
<b>210</b>	867705	<b>42,952.00</b>	1
<b>220</b>	867710	<b>43,472.00</b>	1
<b>230</b>	867715	<b>46,578.00</b>	1
<b>240</b>	867720	<b>46,989.00</b>	1
<b>250</b>	867725	<b>50,196.00</b>	1
<b>260</b>	867730	<b>50,504.00</b>	1
<b>270</b>	867735	<b>55,631.00</b>	1
<b>280</b>	867740	<b>56,139.00</b>	1
<b>290</b>	867745	<b>59,254.00</b>	1
<b>300</b>	867750	<b>59,793.00</b>	1



10.9 BOLT ZINC

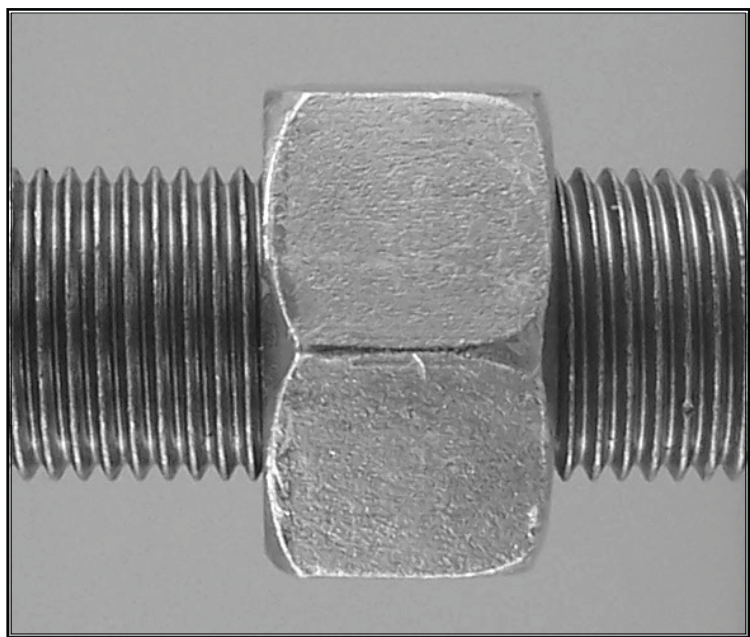
DIAMETER <b>M6</b> PITCH 1.00mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>16</b>	460001	<b>161.00</b>	100
<b>18</b>	460004	<b>161.00</b>	100
<b>20</b>	460007	<b>166.00</b>	100
<b>25</b>	460010	<b>180.00</b>	100
<b>30</b>	460013	<b>202.00</b>	100
<b>35</b>	460016	<b>221.00</b>	100
<b>40</b>	460019	<b>225.00</b>	100
<b>45</b>	460022	<b>262.00</b>	100
<b>50</b>	460025	<b>279.00</b>	100
<b>60</b>	460028	<b>480.00</b>	100
<b>70</b>	460029	<b>609.00</b>	100
<b>80</b>	460030	<b>832.00</b>	50

DIAMETER <b>M8</b> PITCH 1.25mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>16</b>	460031	<b>241.00</b>	100
<b>20</b>	460034	<b>241.00</b>	100
<b>25</b>	460037	<b>256.00</b>	100
<b>30</b>	460040	<b>272.00</b>	100
<b>35</b>	460043	<b>289.00</b>	100
<b>40</b>	460046	<b>318.00</b>	100
<b>45</b>	460049	<b>346.00</b>	100
<b>50</b>	460052	<b>367.00</b>	100
<b>60</b>	460055	<b>624.00</b>	100
<b>70</b>	460058	<b>708.00</b>	100



DIAMETER <b>M10</b> PITCH 1.50mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>16</b>	460061	<b>336.00</b>	100
<b>20</b>	460064	<b>336.00</b>	100
<b>25</b>	460067	<b>374.00</b>	100
<b>30</b>	460070	<b>402.00</b>	100
<b>35</b>	460073	<b>421.00</b>	100
<b>40</b>	460076	<b>445.00</b>	100
<b>45</b>	460079	<b>501.00</b>	100
<b>50</b>	460082	<b>540.00</b>	100
<b>55</b>	460085	<b>708.00</b>	100
<b>60</b>	460088	<b>789.00</b>	100
<b>65</b>	460091	<b>812.00</b>	100
<b>70</b>	460094	<b>854.00</b>	100
<b>75</b>	460097	<b>887.00</b>	100
<b>80</b>	460100	<b>970.00</b>	100
<b>90</b>	460103	<b>1,352.00</b>	50
<b>100</b>	460106	<b>1,484.00</b>	50
<b>120</b>	460375	<b>2,045.00</b>	50

**10.9 BOLT ZINC**



*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*





10.9 BOLT ZINC

DIAMETER <b>M12</b> PITCH 1.75mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>20</b>	460109	<b>637.00</b>	50
<b>25</b>	460112	<b>644.00</b>	50
<b>30</b>	460115	<b>692.00</b>	50
<b>35</b>	460118	<b>757.00</b>	50
<b>40</b>	460121	<b>803.00</b>	50
<b>45</b>	460124	<b>898.00</b>	50
<b>50</b>	460127	<b>958.00</b>	50
<b>55</b>	460130	<b>1,081.00</b>	50
<b>60</b>	460133	<b>1,116.00</b>	50
<b>65</b>	460136	<b>1,152.00</b>	50
<b>70</b>	460139	<b>1,209.00</b>	50
<b>80</b>	460142	<b>1,490.00</b>	25
<b>90</b>	460145	<b>1,536.00</b>	25
<b>100</b>	460148	<b>2,207.00</b>	25
<b>110</b>	460150	<b>2,404.00</b>	25
<b>120</b>	460151	<b>2,646.00</b>	25





DIAMETER <b>M14</b> PITCH 2.00mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>30</b>	460405	<b>1,633.00</b>	25
<b>35</b>	460409	<b>1,680.00</b>	25
<b>40</b>	460412	<b>1,694.00</b>	25
<b>45</b>	460152	<b>1,811.00</b>	25
<b>50</b>	460417	<b>1,899.00</b>	25
<b>55</b>	460421	<b>1,950.00</b>	25
<b>60</b>	460425	<b>2,100.00</b>	25
<b>65</b>	460429	<b>2,373.00</b>	25
<b>70</b>	460433	<b>2,880.00</b>	25
<b>80</b>	460441	<b>3,120.00</b>	25
<b>90</b>	460445	<b>3,272.00</b>	25
<b>100</b>	460449	<b>3,337.00</b>	25

**10.9 BOLT ZINC**



*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*



DIAMETER <b>M16</b> PITCH 2.00mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>30</b>	460154	<b>1,303.00</b>	25
<b>35</b>	460155	<b>1,312.00</b>	25
<b>40</b>	460157	<b>1,361.00</b>	25
<b>45</b>	460158	<b>1,414.00</b>	25
<b>50</b>	460160	<b>1,469.00</b>	25
<b>60</b>	460163	<b>1,690.00</b>	25
<b>70</b>	460166	<b>1,907.00</b>	25
<b>75</b>	460169	<b>2,072.00</b>	25
<b>80</b>	460172	<b>2,322.00</b>	25
<b>90</b>	460175	<b>2,417.00</b>	25
<b>100</b>	460178	<b>2,661.00</b>	25
<b>110</b>	460181	<b>3,429.00</b>	25
<b>120</b>	460184	<b>3,523.00</b>	25
<b>130</b>	460187	<b>4,089.00</b>	25
<b>140</b>	460190	<b>4,297.00</b>	25
<b>150</b>	460193	<b>4,872.00</b>	25
<b>160</b>	460196	<b>4,927.00</b>	10
<b>170</b>	460198	<b>5,120.00</b>	10
<b>180</b>	460202	<b>5,374.00</b>	10
<b>190</b>	460205	<b>5,475.00</b>	10
<b>200</b>	460208	<b>5,642.00</b>	10
<b>210</b>	460211	<b>8,785.00</b>	10
<b>220</b>	460214	<b>9,074.00</b>	1
<b>230</b>	460217	<b>10,311.00</b>	1
<b>240</b>	460220	<b>11,567.00</b>	1
<b>250</b>	460223	<b>11,772.00</b>	1

10.9 BOLT ZINC





DIAMETER <b>M20</b> PITCH 2.50mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>30</b>	460224	<b>2,013.00</b>	25
<b>35</b>	460225	<b>2,116.00</b>	25
<b>40</b>	460226	<b>2,138.00</b>	25
<b>45</b>	460227	<b>4,072.00</b>	25
<b>50</b>	460229	<b>4,300.00</b>	25
<b>60</b>	460232	<b>4,392.00</b>	25
<b>70</b>	460235	<b>4,548.00</b>	25
<b>80</b>	460238	<b>4,979.00</b>	25
<b>90</b>	460241	<b>5,090.00</b>	25
<b>100</b>	460244	<b>5,205.00</b>	25
<b>110</b>	460247	<b>5,318.00</b>	25
<b>120</b>	460250	<b>5,407.00</b>	25
<b>130</b>	460253	<b>5,544.00</b>	25
<b>140</b>	460256	<b>5,798.00</b>	25
<b>150</b>	460259	<b>6,102.00</b>	10
<b>160</b>	460262	<b>7,469.00</b>	10
<b>170</b>	460265	<b>9,957.00</b>	10
<b>180</b>	460268	<b>12,060.00</b>	10
<b>190</b>	460271	<b>12,199.00</b>	10
<b>200</b>	460274	<b>12,571.00</b>	10
<b>210</b>	460277	<b>13,407.00</b>	10
<b>220</b>	460280	<b>16,109.00</b>	1
<b>240</b>	460286	<b>20,082.00</b>	1
<b>250</b>	460289	<b>22,163.00</b>	1

**10.9 BOLT ZINC**



DIAMETER <b>M24</b> PITCH 3.00mm			
BOLT ONLY			
Length (mm)	ZINC CLEAR (Trivalent)		Box Qty
	Part Number	List Price	
<b>40</b>	460292	<b>4,075.00</b>	10
<b>50</b>	460295	<b>5,053.00</b>	10
<b>60</b>	460298	<b>6,155.00</b>	10
<b>70</b>	460301	<b>6,674.00</b>	10
<b>80</b>	460304	<b>7,051.00</b>	10
<b>90</b>	460307	<b>7,259.00</b>	10
<b>100</b>	460310	<b>7,478.00</b>	10
<b>110</b>	460313	<b>8,690.00</b>	10
<b>120</b>	460316	<b>9,442.00</b>	10
<b>130</b>	460319	<b>9,880.00</b>	10
<b>140</b>	460322	<b>11,940.00</b>	10
<b>150</b>	460325	<b>12,553.00</b>	10
<b>160</b>	460328	<b>15,554.00</b>	10
<b>170</b>	460331	<b>17,570.00</b>	10
<b>180</b>	460334	<b>19,571.00</b>	10
<b>190</b>	460337	<b>19,936.00</b>	10
<b>200</b>	460340	<b>20,739.00</b>	10
<b>210</b>	460343	<b>21,908.00</b>	1
<b>220</b>	460346	<b>23,368.00</b>	1
<b>240</b>	460352	<b>24,828.00</b>	1
<b>250</b>	460355	<b>27,019.00</b>	1

10.9 BOLT ZINC



DIAMETER <b>M30</b> PITCH 3.50mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>70</b>	882400	<b>10,636.00</b>	1
<b>75</b>	882405	<b>10,636.00</b>	1
<b>80</b>	882410	<b>10,685.00</b>	1
<b>90</b>	882415	<b>10,844.00</b>	1
<b>100</b>	882420	<b>10,967.00</b>	1
<b>110</b>	882425	<b>11,360.00</b>	1
<b>120</b>	882430	<b>12,974.00</b>	1
<b>130</b>	882435	<b>13,728.00</b>	1
<b>140</b>	882440	<b>15,261.00</b>	1
<b>150</b>	882445	<b>15,433.00</b>	1
<b>160</b>	882450	<b>18,104.00</b>	1
<b>170</b>	882455	<b>19,414.00</b>	1
<b>180</b>	882460	<b>20,964.00</b>	1
<b>190</b>	882465	<b>22,098.00</b>	1
<b>200</b>	882470	<b>23,720.00</b>	1
<b>210</b>	882475	<b>25,260.00</b>	1
<b>220</b>	882480	<b>27,984.00</b>	1
<b>230</b>	882485	<b>27,988.00</b>	1
<b>240</b>	882490	<b>29,346.00</b>	1
<b>250</b>	882495	<b>30,716.00</b>	1
<b>260</b>	882500	<b>32,430.00</b>	1
<b>270</b>	882505	<b>35,066.00</b>	1
<b>280</b>	882510	<b>35,368.00</b>	1
<b>290</b>	882515	<b>37,700.00</b>	1
<b>300</b>	882520	<b>38,027.00</b>	1
<b>320</b>	882525	<b>49,787.00</b>	1
<b>350</b>	882530	<b>53,951.00</b>	1
<b>380</b>	882535	<b>59,108.00</b>	1
<b>450</b>	882540	<b>64,905.00</b>	1

10.9 BOLT PLAIN M30



10.9 BOLT PLAIN M36

DIAMETER <b>M36</b> PITCH 4.00mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>90</b>	882545	<b>23,089.00</b>	1
<b>100</b>	882550	<b>26,283.00</b>	1
<b>110</b>	882555	<b>29,918.00</b>	1
<b>120</b>	882560	<b>30,204.00</b>	1
<b>130</b>	882565	<b>31,064.00</b>	1
<b>140</b>	882570	<b>32,026.00</b>	1
<b>150</b>	882575	<b>35,598.00</b>	1
<b>160</b>	882580	<b>35,729.00</b>	1
<b>170</b>	882585	<b>39,039.00</b>	1
<b>180</b>	882590	<b>39,837.00</b>	1
<b>190</b>	882595	<b>42,462.00</b>	1
<b>200</b>	882600	<b>43,548.00</b>	1
<b>210</b>	882605	<b>46,298.00</b>	1
<b>220</b>	882610	<b>46,858.00</b>	1
<b>230</b>	882615	<b>50,207.00</b>	1
<b>240</b>	882620	<b>50,649.00</b>	1
<b>250</b>	882625	<b>54,107.00</b>	1
<b>260</b>	882630	<b>54,440.00</b>	1
<b>270</b>	882635	<b>59,966.00</b>	1
<b>280</b>	882640	<b>60,512.00</b>	1
<b>290</b>	882645	<b>63,871.00</b>	1
<b>300</b>	882650	<b>64,453.00</b>	1





DIAMETER <b>M8</b> PITCH 1.00mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>20</b>	882034	<b>382.00</b>	100
<b>25</b>	882037	<b>389.00</b>	100
<b>30</b>	882040	<b>442.00</b>	100
<b>35</b>	882043	<b>445.00</b>	100
<b>40</b>	882046	<b>458.00</b>	100
<b>45</b>	882049	<b>503.00</b>	100
<b>50</b>	882052	<b>534.00</b>	100

DIAMETER <b>M10</b> PITCH 1.25mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>20</b>	882064	<b>413.00</b>	100
<b>25</b>	882067	<b>458.00</b>	100
<b>30</b>	882070	<b>515.00</b>	100
<b>35</b>	882073	<b>523.00</b>	100
<b>40</b>	882076	<b>567.00</b>	100
<b>45</b>	882079	<b>617.00</b>	100
<b>50</b>	882082	<b>653.00</b>	100
<b>55</b>	882085	<b>805.00</b>	100
<b>60</b>	882088	<b>875.00</b>	100
<b>65</b>	882091	<b>910.00</b>	100
<b>70</b>	882094	<b>963.00</b>	100
<b>75</b>	882097	<b>1,053.00</b>	100
<b>80</b>	882100	<b>1,257.00</b>	100
<b>90</b>	882103	<b>1,868.00</b>	50
<b>100</b>	882106	<b>2,029.00</b>	50

List price in AU \$ per 100. Prices are exclusive of GST.  
Items in shaded areas are supplied fully threaded



10.9 BOLT FINE

DIAMETER <b>M12</b> PITCH 1.25mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>20</b>	882109	<b>927.00</b>	50
<b>25</b>	882112	<b>961.00</b>	50
<b>30</b>	882115	<b>984.00</b>	50
<b>35</b>	882118	<b>1,097.00</b>	50
<b>40</b>	882121	<b>1,231.00</b>	50
<b>45</b>	882124	<b>1,257.00</b>	50
<b>50</b>	882127	<b>1,327.00</b>	50
<b>55</b>	882130	<b>1,372.00</b>	50
<b>60</b>	882133	<b>1,411.00</b>	50
<b>70</b>	882139	<b>1,525.00</b>	50
<b>80</b>	882142	<b>1,886.00</b>	25
<b>90</b>	882145	<b>2,348.00</b>	25
<b>100</b>	882148	<b>2,504.00</b>	25

DIAMETER <b>M12</b> PITCH 1.50mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>25</b>	882312	<b>1,111.00</b>	50
<b>30</b>	882315	<b>1,182.00</b>	50
<b>35</b>	882318	<b>1,316.00</b>	50
<b>40</b>	882321	<b>1,477.00</b>	50
<b>45</b>	882324	<b>1,509.00</b>	50
<b>50</b>	882327	<b>1,593.00</b>	50
<b>55</b>	882330	<b>1,645.00</b>	50
<b>60</b>	882333	<b>1,687.00</b>	50
<b>65</b>	882335	<b>1,747.00</b>	50
<b>70</b>	882339	<b>1,830.00</b>	50
<b>75</b>	882344	<b>1,930.00</b>	25



DIAMETER <b>M14</b> PITCH 1.50mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>25</b>	882401	<b>1,803.00</b>	25
<b>30</b>	882366	<b>1,957.00</b>	25
<b>35</b>	882409	<b>1,988.00</b>	25
<b>40</b>	882413	<b>2,138.00</b>	25
<b>45</b>	882368	<b>2,224.00</b>	25
<b>50</b>	882417	<b>2,310.00</b>	25
<b>55</b>	882421	<b>2,675.00</b>	25
<b>60</b>	882372	<b>2,696.00</b>	25
<b>65</b>	882429	<b>2,740.00</b>	25
<b>70</b>	882433	<b>3,068.00</b>	25
<b>75</b>	882437	<b>3,097.00</b>	25
<b>80</b>	882441	<b>3,407.00</b>	25
<b>90</b>	882376	<b>3,693.00</b>	25
<b>100</b>	882449	<b>3,726.00</b>	25

**10.9 BOLT FINE**



*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*



10.9 BOLT FINE

DIAMETER <b>M16</b> PITCH 1.50mm			
<b>BOLT ONLY</b>			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>25</b>	882153	<b>1,804.00</b>	25
<b>30</b>	882154	<b>1,957.00</b>	25
<b>35</b>	882155	<b>1,988.00</b>	25
<b>40</b>	882157	<b>2,138.00</b>	25
<b>45</b>	882158	<b>2,224.00</b>	25
<b>50</b>	882160	<b>2,310.00</b>	25
<b>55</b>	882161	<b>2,675.00</b>	25
<b>60</b>	882163	<b>2,694.00</b>	25
<b>65</b>	882164	<b>2,941.00</b>	25
<b>70</b>	882166	<b>3,065.00</b>	25
<b>75</b>	882169	<b>3,097.00</b>	25
<b>80</b>	882172	<b>3,601.00</b>	25
<b>90</b>	882175	<b>3,870.00</b>	25
<b>100</b>	882178	<b>4,250.00</b>	25
<b>110</b>	882181	<b>4,647.00</b>	25



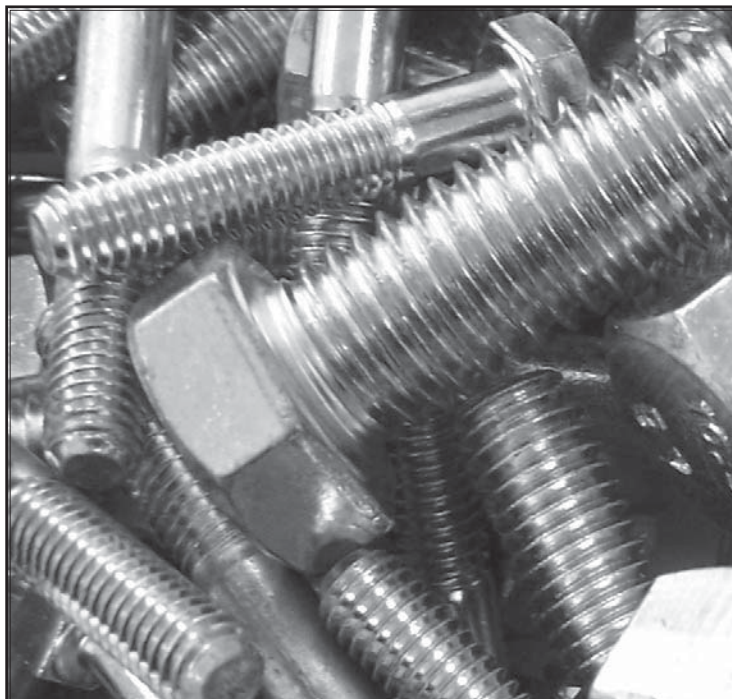




10.9 BOLT FINE

DIAMETER <b>M20</b> PITCH 1.50mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>40</b>	882226	<b>3,465.00</b>	25
<b>50</b>	882229	<b>3,998.00</b>	25
<b>60</b>	882232	<b>4,359.00</b>	25
<b>70</b>	882235	<b>4,758.00</b>	25
<b>80</b>	882238	<b>5,387.00</b>	25
<b>100</b>	882248	<b>5,554.00</b>	25

DIAMETER <b>M24</b> PITCH 2.00mm			
BOLT ONLY			
Length (mm)	PLAIN FINISH		Box Qty
	Part Number	List Price	
<b>40</b>	882260	<b>9,295.00</b>	10
<b>50</b>	882266	<b>10,296.00</b>	10
<b>60</b>	882272	<b>10,670.00</b>	10
<b>70</b>	882278	<b>11,395.00</b>	10
<b>80</b>	882284	<b>12,438.00</b>	10



List price in AUD per 100. Prices are exclusive of GST.  
Items in shaded areas are supplied fully threaded



**DIAMETER 1/4" UNC PITCH 20 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1/2	452002	171.00	100	450002	453002	181.00	100
5/8	452004	187.00	100	450004	453004	197.00	100
3/4	452006	190.00	100	450006	453006	202.00	100
7/8	452008	204.00	100	450008	453008	218.00	100
1	452010	219.00	100	450010	453010	232.00	100
1-1/8	452011	-	100	450011	453011	283.00	100
1-1/4	452012	253.00	100	450012	453012	301.00	100
1-3/8	452013	-	100	450013	453013	318.00	100
1-1/2	452014	270.00	100	450014	453014	336.00	100
1-3/4	452016	298.00	100	450016	453016	425.00	100
2	452018	314.00	100	450018	453018	479.00	100
2-1/4	452020	489.00	100	450020	453020	516.00	100
2-1/2	452022	529.00	100	450022	453022	555.00	100
2-3/4	452024	668.00	100	450024	453024	704.00	100
3	452026	720.00	100	450026	453026	758.00	100
3-1/4	452027	747.00	50	450027	453027	786.00	50
3-1/2	452028	771.00	50	450028	453028	831.00	50
3-3/4	452029	827.00	50	450029	453029	870.00	50
4	452030	882.00	50	450030	453030	927.00	50
4-1/2	452031	1,427.00	50	450031	453031	1,718.00	50
5	452032	1,556.00	50	450032	453032	1,951.00	50
5-1/2	452033	1,749.00	50	450033	453033	2,110.00	50
6	452034	1,878.00	50	450034	453034	2,268.00	50
7	451050	1,990.00	1	-	-	-	-
8	451053	2,130.00	1	-	-	-	-

GR 8 IMPERIAL BOLTS



DIAMETER <b>1/4" UNF</b> PITCH 28 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
<b>1/2</b>	452036	<b>202.00</b>	100	450036	453036	<b>212.00</b>	100
<b>5/8</b>	452038	<b>211.00</b>	100	450038	453038	<b>219.00</b>	100
<b>3/4</b>	452040	<b>219.00</b>	100	450040	453040	<b>232.00</b>	100
<b>7/8</b>	452042	<b>230.00</b>	100	450042	453042	<b>242.00</b>	100
<b>1</b>	452044	<b>238.00</b>	100	450044	453044	<b>251.00</b>	100
<b>1-1/4</b>	452046	<b>260.00</b>	100	450046	453046	<b>330.00</b>	100
<b>1-1/2</b>	452048	<b>280.00</b>	100	450048	453048	<b>370.00</b>	100
<b>1-3/4</b>	452050	<b>307.00</b>	100	450050	453050	<b>457.00</b>	100
<b>2</b>	452052	<b>321.00</b>	100	450052	453052	<b>495.00</b>	100
<b>2-1/4</b>	452054	<b>519.00</b>	100	450054	453054	<b>548.00</b>	100
<b>2-1/2</b>	452056	<b>556.00</b>	100	450056	453056	<b>587.00</b>	100
<b>2-3/4</b>	452058	<b>697.00</b>	100	450058	453058	<b>758.00</b>	100
<b>3</b>	452060	<b>791.00</b>	100	450060	453060	<b>802.00</b>	100
<b>3-1/4</b>	452061	<b>776.00</b>	50	450061	453061	<b>854.00</b>	50
<b>3-1/2</b>	452062	<b>787.00</b>	50	450062	453062	<b>888.00</b>	50
<b>3-3/4</b>	452063	<b>848.00</b>	50	450063	453063	<b>941.00</b>	50
<b>4</b>	452064	<b>926.00</b>	50	450064	453064	<b>974.00</b>	50
<b>4-1/2</b>	452065	<b>1,459.00</b>	50	450065	453065	<b>1,875.00</b>	50
<b>5</b>	452066	<b>1,595.00</b>	50	450066	453066	<b>1,975.00</b>	50
<b>5-1/2</b>	452067	<b>1,788.00</b>	50	450067	453067	<b>2,062.00</b>	50
<b>6</b>	452068	<b>1,920.00</b>	50	450068	453068	<b>2,435.00</b>	50
<b>7</b>	451056	<b>2,368.00</b>	1	-	-	-	-
<b>8</b>	451059	<b>2,450.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



**DIAMETER 5/16" UNC PITCH 18 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1/2	452070	<b>273.00</b>	100	450070	453070	<b>286.00</b>	100
5/8	452072	<b>273.00</b>	100	450072	453072	<b>296.00</b>	100
3/4	452074	<b>273.00</b>	100	450074	453074	<b>313.00</b>	100
7/8	452076	<b>276.00</b>	100	450076	453076	<b>340.00</b>	100
1	452078	<b>280.00</b>	100	450078	453078	<b>356.00</b>	100
1-1/8	-	-	-	450079	453079	<b>403.00</b>	100
1-1/4	452080	<b>301.00</b>	100	450080	453080	<b>435.00</b>	100
1-3/8	-	-	-	450081	453081	<b>513.00</b>	100
1-1/2	452082	<b>326.00</b>	100	450082	453082	<b>529.00</b>	100
1-3/4	452084	<b>336.00</b>	100	450084	453084	<b>594.00</b>	100
2	452086	<b>381.00</b>	100	450086	453086	<b>656.00</b>	100
2-1/4	452088	<b>599.00</b>	100	450088	453088	<b>710.00</b>	100
2-1/2	452090	<b>735.00</b>	100	450090	453090	<b>783.00</b>	100
2-3/4	452092	<b>837.00</b>	100	450092	453092	<b>882.00</b>	100
3	452094	<b>872.00</b>	100	450094	453094	<b>919.00</b>	100
3-1/4	452095	<b>1,071.00</b>	50	450095	453095	<b>1,128.00</b>	50
3-1/2	452096	<b>1,097.00</b>	50	450096	453096	<b>1,195.00</b>	50
3-3/4	452097	<b>1,240.00</b>	50	450097	453097	<b>1,307.00</b>	50
4	452098	<b>1,256.00</b>	50	450098	453098	<b>1,325.00</b>	50
4-1/2	452099	<b>1,761.00</b>	50	450099	453099	<b>2,321.00</b>	50
5	452101	<b>1,897.00</b>	50	450101	453101	<b>2,549.00</b>	50
5-1/2	452103	<b>2,070.00</b>	50	450103	453103	<b>2,683.00</b>	50
6	452105	<b>2,654.00</b>	50	450105	453105	<b>2,795.00</b>	50
7	451062	<b>2,890.00</b>	1	-	-	-	-
8	451065	<b>2,960.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**





DIAMETER <b>5/16"</b> UNF PITCH 24 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
<b>1/2</b>	452100	<b>280.00</b>	100	450100	453100	<b>326.00</b>	100
<b>5/8</b>	452102	<b>280.00</b>	100	450102	453102	<b>340.00</b>	100
<b>3/4</b>	452104	<b>280.00</b>	100	450104	453104	<b>348.00</b>	100
<b>7/8</b>	452106	<b>282.00</b>	100	450106	453106	<b>371.00</b>	100
<b>1</b>	452108	<b>283.00</b>	100	450108	453108	<b>387.00</b>	100
<b>1-1/4</b>	452110	<b>310.00</b>	100	450110	453110	<b>450.00</b>	100
<b>1-1/2</b>	452112	<b>339.00</b>	100	450112	453112	<b>543.00</b>	100
<b>1-3/4</b>	452114	<b>346.00</b>	100	450114	453114	<b>610.00</b>	100
<b>2</b>	452116	<b>394.00</b>	100	450116	453116	<b>691.00</b>	100
<b>2-1/4</b>	452118	<b>611.00</b>	100	450118	453118	<b>777.00</b>	100
<b>2-1/2</b>	452120	<b>751.00</b>	100	450120	453120	<b>841.00</b>	100
<b>2-3/4</b>	452122	<b>888.00</b>	100	450122	453122	<b>951.00</b>	100
<b>3</b>	452124	<b>960.00</b>	100	450124	453124	<b>1,012.00</b>	100
<b>3-1/4</b>	452125	<b>1,040.00</b>	50	450125	453125	<b>1,149.00</b>	50
<b>3-1/2</b>	452126	<b>1,120.00</b>	50	450126	453126	<b>1,268.00</b>	50
<b>3-3/4</b>	452127	<b>1,231.00</b>	50	450127	453127	<b>1,342.00</b>	50
<b>4</b>	452128	<b>1,333.00</b>	50	450128	453128	<b>1,404.00</b>	50
<b>4-1/2</b>	452129	<b>1,803.00</b>	50	450129	453129	<b>2,506.00</b>	50
<b>5</b>	452131	<b>1,935.00</b>	50	450131	453131	<b>2,535.00</b>	50
<b>5-1/2</b>	452133	<b>2,116.00</b>	50	450133	453133	<b>2,699.00</b>	50
<b>6</b>	452135	<b>2,708.00</b>	50	450135	453135	<b>2,981.00</b>	50
<b>7</b>	451068	<b>3,010.00</b>	1	-	-	-	-
<b>8</b>	451071	<b>3,240.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS



**DIAMETER 3/8" UNC PITCH 16 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1/2	452130	<b>338.00</b>	100	450130	453130	<b>419.00</b>	100
5/8	452132	<b>338.00</b>	100	450132	453132	<b>457.00</b>	100
3/4	452134	<b>346.00</b>	100	450134	453134	<b>463.00</b>	100
7/8	452136	<b>354.00</b>	100	450136	453136	<b>464.00</b>	100
1	452138	<b>361.00</b>	100	450138	453138	<b>479.00</b>	100
1-1/8	-	-	-	450139	453139	<b>581.00</b>	100
1-1/4	452140	<b>394.00</b>	100	450140	453140	<b>599.00</b>	100
1-3/8	-	-	-	450141	453141	<b>622.00</b>	100
1-1/2	452142	<b>421.00</b>	100	450142	453142	<b>635.00</b>	100
1-5/8	-	-	-	450143	453143	<b>754.00</b>	100
1-3/4	452144	<b>460.00</b>	100	450144	453144	<b>832.00</b>	100
2	452146	<b>498.00</b>	100	450146	453146	<b>870.00</b>	100
2-1/4	452148	<b>766.00</b>	100	450148	453148	<b>970.00</b>	100
2-3/8	-	-	-	450149	453149	<b>1,084.00</b>	100
2-1/2	452150	<b>849.00</b>	100	450150	453150	<b>1,110.00</b>	100
2-3/4	452152	<b>893.00</b>	100	450152	453152	<b>1,132.00</b>	100
3	452154	<b>1,071.00</b>	100	450154	453154	<b>1,187.00</b>	100
3-1/4	452156	<b>1,165.00</b>	50	450156	453156	<b>1,436.00</b>	50
3-1/2	452158	<b>1,171.00</b>	50	450158	453158	<b>1,517.00</b>	50
3-3/4	452160	<b>1,549.00</b>	50	450160	453160	<b>1,642.00</b>	50
4	452162	<b>1,557.00</b>	50	450162	453162	<b>1,691.00</b>	50
4-1/4	-	-	-	450163	453163	<b>2,208.00</b>	50
4-1/2	452164	<b>2,030.00</b>	50	450164	453164	<b>2,914.00</b>	50
4-3/4	-	-	-	450165	453165	<b>2,965.00</b>	50
5	452166	<b>2,157.00</b>	50	450166	453166	<b>3,064.00</b>	50
5-1/4	-	-	-	450167	453167	<b>3,213.00</b>	50
5-1/2	452168	<b>2,357.00</b>	50	450168	453168	<b>3,274.00</b>	50
5-3/4	-	-	-	450170	453170	<b>3,328.00</b>	50
6	452169	<b>2,721.00</b>	50	450169	453169	<b>3,343.00</b>	50
6-1/2	451072	<b>2,921.00</b>	1	-	-	-	-
7	451074	<b>3,220.00</b>	1	-	-	-	-
7-1/2	451075	<b>3,360.00</b>	1	-	-	-	-
8	451077	<b>3,480.00</b>	1	-	-	-	-
9	451078	<b>3,880.00</b>	1	-	-	-	-
10	451079	<b>4,100.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



DIAMETER <b>3/8"</b> UNF PITCH 24 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
1/2	452172	<b>349.00</b>	100	450172	453172	<b>450.00</b>	100
5/8	452174	<b>349.00</b>	100	450174	453174	<b>451.00</b>	100
3/4	452176	<b>349.00</b>	100	450176	453176	<b>463.00</b>	100
7/8	452178	<b>368.00</b>	100	450178	453178	<b>492.00</b>	100
1	452180	<b>368.00</b>	100	450180	453180	<b>518.00</b>	100
1-1/8	-	-	-	450181	453181	<b>583.00</b>	100
1-1/4	452182	<b>407.00</b>	100	450182	453182	<b>599.00</b>	100
1-3/8	-	-	-	450183	453183	<b>511.00</b>	100
1-1/2	452184	<b>434.00</b>	100	450184	453184	<b>841.00</b>	100
1-3/4	452186	<b>469.00</b>	100	450186	453186	<b>814.00</b>	100
2	452190	<b>511.00</b>	100	450190	453190	<b>887.00</b>	100
2-1/4	452192	<b>786.00</b>	100	450192	453192	<b>1,021.00</b>	100
2-3/8	-	-	-	450193	453193	<b>1,109.00</b>	100
2-1/2	452194	<b>869.00</b>	100	450194	453194	<b>1,128.00</b>	100
2-3/4	452196	<b>914.00</b>	100	450196	453196	<b>1,165.00</b>	100
3	452198	<b>1,097.00</b>	100	450198	453198	<b>1,271.00</b>	100
3-1/4	452200	<b>1,191.00</b>	50	450200	453200	<b>1,425.00</b>	50
3-1/2	452202	<b>1,192.00</b>	50	450202	453202	<b>1,509.00</b>	50
3-3/4	452204	<b>1,571.00</b>	50	450204	453204	<b>1,656.00</b>	50
4	452206	<b>1,585.00</b>	50	450206	453206	<b>1,728.00</b>	50
4-1/2	452208	<b>2,074.00</b>	50	450208	453208	<b>2,915.00</b>	50
5	452210	<b>2,207.00</b>	50	450210	453210	<b>2,979.00</b>	50
5-1/2	452211	<b>2,408.00</b>	50	450211	453211	<b>3,279.00</b>	50
6	452212	<b>2,778.00</b>	50	450212	453212	<b>3,797.00</b>	50
6-1/2	451901	<b>2,999.00</b>	1	-	-	-	-
7	451080	<b>3,260.00</b>	1	-	-	-	-
7-1/2	451081	<b>3,450.00</b>	1	-	-	-	-
8	451083	<b>3,670.00</b>	1	-	-	-	-
9	451084	<b>3,960.00</b>	1	-	-	-	-
10	451085	<b>4,320.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS



**DIAMETER 7/16" UNC PITCH 14 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
<b>3/4</b>	452214	<b>698.00</b>	100	450214	453214	<b>777.00</b>	100
<b>7/8</b>	-	-	-	450216	453216	<b>789.00</b>	100
<b>1</b>	452218	<b>698.00</b>	100	450218	453218	<b>795.00</b>	100
<b>1-1/8</b>	-	-	-	450219	453219	<b>878.00</b>	100
<b>1-1/4</b>	452220	<b>734.00</b>	50	450220	453220	<b>895.00</b>	50
<b>1-3/8</b>	-	-	-	450221	453221	<b>939.00</b>	50
<b>1-1/2</b>	452222	<b>762.00</b>	50	450222	453222	<b>964.00</b>	50
<b>1-3/4</b>	452224	<b>799.00</b>	50	450224	453224	<b>1,015.00</b>	50
<b>2</b>	452226	<b>816.00</b>	50	450226	453226	<b>1,256.00</b>	50
<b>2-1/4</b>	452228	<b>1,062.00</b>	50	450228	453228	<b>1,386.00</b>	50
<b>2-1/2</b>	452230	<b>1,101.00</b>	50	450230	453230	<b>1,490.00</b>	50
<b>2-3/4</b>	452232	<b>1,198.00</b>	50	450232	453232	<b>1,658.00</b>	50
<b>3</b>	452234	<b>1,256.00</b>	50	450234	453234	<b>1,737.00</b>	50
<b>3-1/4</b>	-	-	-	450236	453236	<b>1,897.00</b>	25
<b>3-1/2</b>	452238	<b>1,563.00</b>	25	450238	453238	<b>1,982.00</b>	25
<b>3-3/4</b>	-	-	-	450240	453240	<b>2,151.00</b>	25
<b>4</b>	452242	<b>1,761.00</b>	25	450242	453242	<b>2,321.00</b>	25
<b>4-1/2</b>	452244	<b>2,246.00</b>	25	450244	453244	<b>3,584.00</b>	25
<b>5</b>	452246	<b>2,452.00</b>	25	450246	453246	<b>3,835.00</b>	25
<b>5-1/2</b>	452247	<b>3,012.00</b>	25	450247	453247	<b>4,009.00</b>	25
<b>6</b>	452248	<b>3,095.00</b>	25	450248	453248	<b>4,266.00</b>	25
<b>7</b>	451086	<b>3,704.00</b>	1	-	-	-	-
<b>8</b>	451089	<b>4,306.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**





DIAMETER <b>7/16"</b> UNF PITCH 20 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
<b>3/4</b>	452250	<b>719.00</b>	100	450250	453250	<b>774.00</b>	100
<b>7/8</b>	-	-	-	450252	453252	<b>789.00</b>	100
<b>1</b>	452254	<b>719.00</b>	100	450254	453254	<b>793.00</b>	100
<b>1-1/8</b>	-	-	-	450255	453255	<b>879.00</b>	100
<b>1-1/4</b>	452256	<b>752.00</b>	50	450256	453256	<b>897.00</b>	50
<b>1-1/2</b>	452258	<b>783.00</b>	50	450258	453258	<b>927.00</b>	50
<b>1-3/4</b>	452260	<b>820.00</b>	50	450260	453260	<b>1,015.00</b>	50
<b>2</b>	452262	<b>840.00</b>	50	450262	453262	<b>1,259.00</b>	50
<b>2-1/4</b>	452264	<b>1,083.00</b>	50	450264	453264	<b>1,389.00</b>	50
<b>2-1/2</b>	452266	<b>1,128.00</b>	50	450266	453266	<b>1,493.00</b>	50
<b>2-3/4</b>	452268	<b>1,229.00</b>	50	450268	453268	<b>1,756.00</b>	50
<b>3</b>	452270	<b>1,285.00</b>	50	450270	453270	<b>1,842.00</b>	50
<b>3-1/4</b>	-	-	-	450272	453272	<b>2,040.00</b>	25
<b>3-1/2</b>	452274	<b>1,601.00</b>	25	450274	453274	<b>2,137.00</b>	25
<b>3-3/4</b>	-	-	-	450276	453276	<b>2,321.00</b>	25
<b>4</b>	452278	<b>1,801.00</b>	25	450278	453278	<b>2,350.00</b>	25
<b>4-1/2</b>	452280	<b>2,295.00</b>	25	450280	453280	<b>3,657.00</b>	25
<b>5</b>	452282	<b>2,503.00</b>	25	450282	453282	<b>3,951.00</b>	25
<b>5-1/2</b>	452283	<b>3,080.00</b>	25	450283	453283	<b>4,067.00</b>	25
<b>6</b>	452284	<b>3,326.00</b>	25	450284	453284	<b>4,582.00</b>	25
<b>7</b>	451092	<b>4,209.00</b>	1	-	-	-	-
<b>8</b>	451095	<b>4,338.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS



**DIAMETER 1/2" UNC PITCH 13 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
3/4	452290	562.00	50	450290	453290	659.00	50
7/8	-	-	-	450292	453292	660.00	50
1	452294	567.00	50	450294	453294	666.00	50
1-1/8	-	-	-	450295	453295	685.00	50
1-1/4	452296	609.00	50	450296	453296	673.00	50
1-3/8	-	-	-	450297	453297	707.00	50
1-1/2	452298	613.00	50	450298	453298	700.00	50
1-5/8	-	-	-	450299	453299	745.00	50
1-3/4	452300	651.00	50	450300	453300	765.00	50
1-7/8	-	-	-	450301	453301	814.00	50
2	452302	704.00	50	450302	453302	834.00	50
2-1/4	452304	818.00	50	450304	453304	936.00	50
2-1/2	452306	830.00	50	450306	453306	1,014.00	50
2-3/4	452308	920.00	50	450308	453308	1,187.00	50
3	452310	959.00	50	450310	453310	1,187.00	50
3-1/4	452312	1,163.00	25	450312	453312	1,371.00	25
3-1/2	452314	1,163.00	25	450314	453314	1,371.00	25
3-3/4	452316	1,412.00	25	450316	453316	1,487.00	25
4	452318	1,412.00	25	450318	453318	1,487.00	25
4-1/4	-	-	-	450319	453319	1,960.00	25
4-1/2	452320	1,868.00	25	450320	453320	2,138.00	25
4-3/4	-	-	-	450321	453321	2,156.00	25
5	452322	1,945.00	25	450322	453322	2,218.00	25
5-1/4	-	-	-	450323	453323	2,547.00	25
5-1/2	452324	2,388.00	25	450324	453324	2,607.00	25
5-3/4	-	-	-	450325	453325	2,744.00	25
6	452326	2,533.00	25	450326	453326	2,991.00	25
6-1/2	451101	3,257.00	1	450328	453328	3,257.00	10
7	451102	3,377.00	1	450331	453331	4,598.00	10
7-1/2	451103	3,504.00	1	450333	453333	4,986.00	10
8	451104	4,049.00	1	450335	453335	5,375.00	10
8-1/2	451105	4,593.00	1	-	-	-	-
9	451107	5,138.00	1	-	-	-	-
9-1/2	451108	5,683.00	1	-	-	-	-
10	451110	6,228.00	1	-	-	-	-
11	451098	6,772.00	1	-	-	-	-
12	451106	7,317.00	1	-	-	-	-
13	451109	7,500.00	1	-	-	-	-
14	451116	7,711.00	1	-	-	-	-
15	451122	8,836.00	1	-	-	-	-

GR 8 IMPERIAL BOLTS



DIAMETER <b>1/2"</b> UNF PITCH 20 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
<b>3/4</b>	452330	<b>426.00</b>	50	450330	453330	<b>610.00</b>	50
<b>7/8</b>	-	-	-	450332	453332	<b>651.00</b>	50
<b>1</b>	452334	<b>485.00</b>	50	450334	453334	<b>651.00</b>	50
<b>1-1/4</b>	452336	<b>571.00</b>	50	450336	453336	<b>700.00</b>	50
<b>1-3/8</b>	-	-	-	450337	453337	<b>742.00</b>	50
<b>1-1/2</b>	452338	<b>634.00</b>	50	450338	453338	<b>745.00</b>	50
<b>1-3/4</b>	452340	<b>685.00</b>	50	450340	453340	<b>780.00</b>	50
<b>2</b>	452342	<b>739.00</b>	50	450342	453342	<b>800.00</b>	50
<b>2-1/4</b>	452344	<b>856.00</b>	50	450344	453344	<b>954.00</b>	50
<b>2-1/2</b>	452346	<b>866.00</b>	50	450346	453346	<b>1,062.00</b>	50
<b>2-3/4</b>	452348	<b>907.00</b>	50	450348	453348	<b>1,122.00</b>	50
<b>3</b>	452350	<b>971.00</b>	50	450350	453350	<b>1,184.00</b>	50
<b>3-1/4</b>	452352	<b>1,161.00</b>	25	450352	453352	<b>1,526.00</b>	25
<b>3-1/2</b>	452354	<b>1,161.00</b>	25	450354	453354	<b>1,526.00</b>	25
<b>3-3/4</b>	452356	<b>1,415.00</b>	25	450356	453356	<b>2,144.00</b>	25
<b>4</b>	452358	<b>1,415.00</b>	25	450358	453358	<b>2,144.00</b>	25
<b>4-1/2</b>	452360	<b>1,776.00</b>	25	450360	453360	<b>2,227.00</b>	25
<b>5</b>	452362	<b>1,861.00</b>	25	450362	453362	<b>2,617.00</b>	25
<b>5-1/2</b>	452364	<b>2,461.00</b>	25	450364	453364	<b>3,007.00</b>	25
<b>6</b>	452366	<b>2,608.00</b>	25	450366	453366	<b>3,241.00</b>	25
<b>6-1/2</b>	451111	<b>3,450.00</b>	1	450368	453368	<b>4,184.00</b>	20
<b>7</b>	451112	<b>3,678.00</b>	1	450371	453371	<b>4,376.00</b>	20
<b>7-1/2</b>	451113	<b>3,704.00</b>	1	450373	453373	<b>4,399.00</b>	20
<b>8</b>	451114	<b>3,844.00</b>	1	450375	453375	<b>4,574.00</b>	20
<b>8-1/2</b>	451115	<b>4,086.00</b>	1	-	-	-	-
<b>9</b>	451117	<b>4,329.00</b>	1	-	-	-	-
<b>9-1/2</b>	451118	<b>4,571.00</b>	1	-	-	-	-
<b>10</b>	451119	<b>4,814.00</b>	1	-	-	-	-
<b>11</b>	451128	<b>5,404.00</b>	1	-	-	-	-
<b>12</b>	451134	<b>6,006.00</b>	1	-	-	-	-
<b>13</b>	451140	<b>6,262.00</b>	1	-	-	-	-
<b>14</b>	451146	<b>7,097.00</b>	1	-	-	-	-
<b>15</b>	451152	<b>7,932.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**

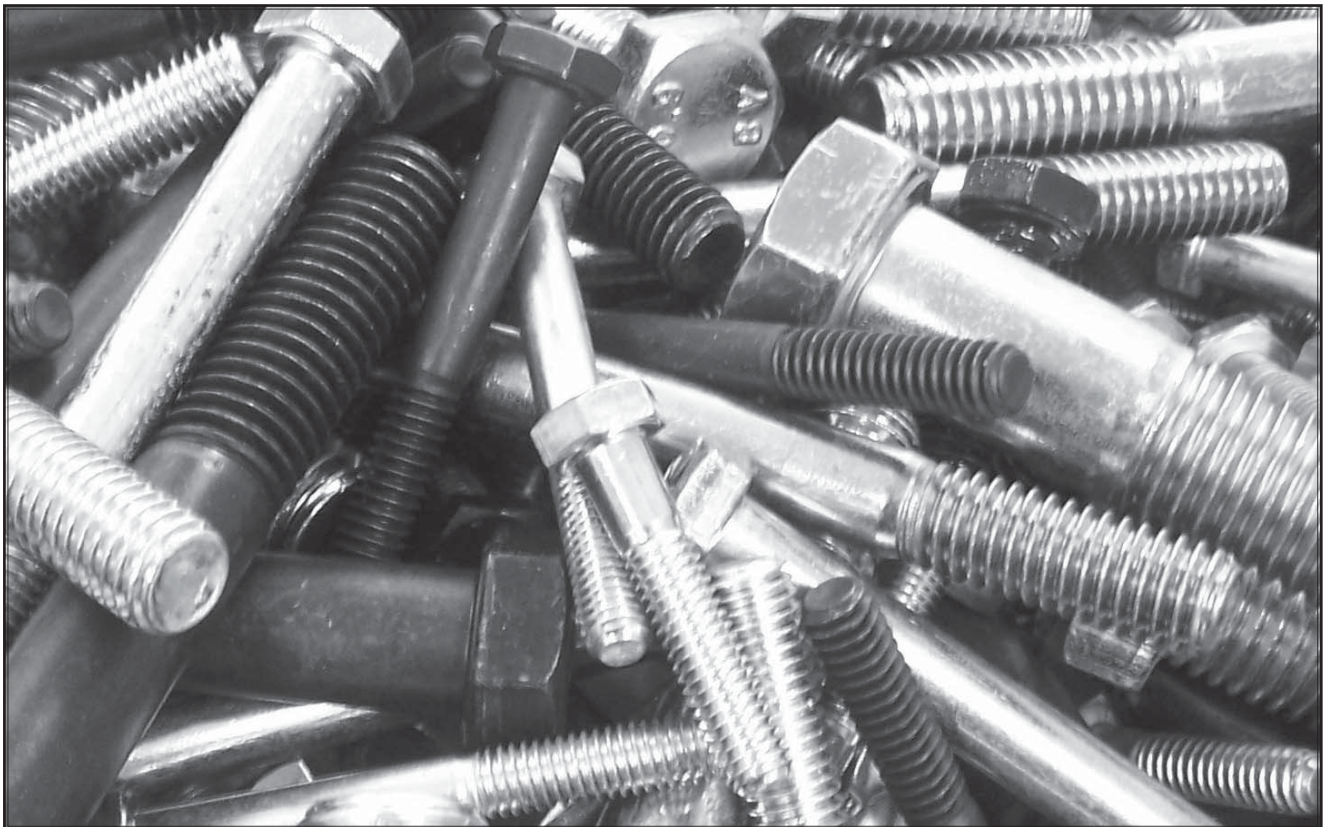


DIAMETER **9/16" UNC** PITCH 12 TPI

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
<b>1</b>	452370	<b>1,333.00</b>	25	450370	453370	<b>1,520.00</b>	25
<b>1-1/4</b>	452372	<b>1,379.00</b>	25	450372	453372	<b>1,574.00</b>	25
<b>1-1/2</b>	452374	<b>1,385.00</b>	25	450374	453374	<b>1,579.00</b>	25
<b>1-3/4</b>	452376	<b>1,412.00</b>	25	450376	453375	<b>1,609.00</b>	25
<b>2</b>	452378	<b>1,528.00</b>	25	450378	453378	<b>1,741.00</b>	25
<b>2-1/4</b>	452380	<b>1,643.00</b>	25	450380	453380	<b>1,894.00</b>	25
<b>2-1/2</b>	452382	<b>1,779.00</b>	25	450382	453382	<b>1,964.00</b>	25
<b>2-3/4</b>	452384	<b>1,792.00</b>	25	450384	453384	<b>2,093.00</b>	25
<b>3</b>	452386	<b>1,812.00</b>	25	450386	453386	<b>2,125.00</b>	25
<b>3-1/2</b>	452388	<b>2,293.00</b>	25	450388	453388	<b>2,614.00</b>	25
<b>4</b>	452390	<b>2,464.00</b>	25	450390	453390	<b>2,809.00</b>	25
<b>4-1/2</b>	452391	<b>3,285.00</b>	25	450391	453391	<b>3,745.00</b>	25
<b>5</b>	452392	<b>3,515.00</b>	25	450392	453392	<b>4,008.00</b>	25
<b>5-1/2</b>	452393	<b>3,708.00</b>	25	450393	453393	<b>4,227.00</b>	25
<b>6</b>	452394	<b>3,721.00</b>	25	450394	453394	<b>4,243.00</b>	25

GR 8 IMPERIAL BOLTS







DIAMETER <b>9/16"</b> UNF PITCH 18 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
<b>1</b>	452396	<b>1,415.00</b>	25	450396	453396	<b>1,684.00</b>	25
<b>1-1/4</b>	452398	<b>1,415.00</b>	25	450398	453398	<b>1,684.00</b>	25
<b>1-1/2</b>	452400	<b>1,415.00</b>	25	450400	453400	<b>1,684.00</b>	25
<b>1-3/4</b>	452402	<b>1,444.00</b>	25	450402	453402	<b>1,719.00</b>	25
<b>2</b>	452404	<b>1,570.00</b>	25	450404	453404	<b>1,868.00</b>	25
<b>2-1/4</b>	452406	<b>1,725.00</b>	25	450406	453406	<b>2,052.00</b>	25
<b>2-1/2</b>	452408	<b>1,767.00</b>	25	450408	453408	<b>2,103.00</b>	25
<b>2-3/4</b>	452410	<b>1,823.00</b>	25	450410	453410	<b>2,169.00</b>	25
<b>3</b>	452412	<b>1,865.00</b>	25	450412	453412	<b>2,220.00</b>	25
<b>3-1/2</b>	452414	<b>2,360.00</b>	25	450414	453414	<b>2,809.00</b>	25
<b>4</b>	452416	<b>2,535.00</b>	25	450416	453416	<b>3,017.00</b>	25
<b>4-1/2</b>	452417	<b>3,273.00</b>	25	450417	453417	<b>3,895.00</b>	25
<b>5</b>	452418	<b>3,504.00</b>	25	450418	453418	<b>4,170.00</b>	25
<b>5-1/2</b>	452419	<b>3,983.00</b>	25	450419	453419	<b>4,739.00</b>	25
<b>6</b>	452420	<b>4,025.00</b>	25	450420	453420	<b>4,790.00</b>	25

GR 8 IMPERIAL BOLTS



List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded





**DIAMETER 5/8" UNC PITCH 11 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1	452424	<b>879.00</b>	25	450424	453424	<b>1,003.00</b>	25
1-1/4	452426	<b>926.00</b>	25	450426	453426	<b>1,031.00</b>	25
1-1/2	452428	<b>946.00</b>	25	450428	453428	<b>1,063.00</b>	25
1-3/4	452430	<b>1,069.00</b>	25	450430	453430	<b>1,197.00</b>	25
2	452432	<b>1,102.00</b>	25	450432	453432	<b>1,221.00</b>	25
2-1/4	452434	<b>1,304.00</b>	25	450434	453434	<b>1,425.00</b>	25
2-1/2	452436	<b>1,333.00</b>	25	450436	453436	<b>1,541.00</b>	25
2-3/4	452438	<b>1,472.00</b>	25	450438	453438	<b>1,788.00</b>	25
3	452440	<b>1,512.00</b>	25	450440	453440	<b>1,788.00</b>	25
3-1/4	452442	<b>1,709.00</b>	25	450442	453442	<b>1,978.00</b>	25
3-1/2	452444	<b>1,744.00</b>	25	450444	453444	<b>2,018.00</b>	25
3-3/4	452445	<b>1,895.00</b>	25	450445	453445	<b>2,216.00</b>	25
4	452446	<b>1,932.00</b>	25	450446	453446	<b>2,261.00</b>	25
4-1/4	-	-	-	450447	453447	<b>2,392.00</b>	25
4-1/2	452448	<b>2,251.00</b>	25	450448	453448	<b>2,509.00</b>	25
4-3/4	-	-	-	450449	453449	<b>2,941.00</b>	25
5	452450	<b>2,522.00</b>	25	450450	453450	<b>3,067.00</b>	25
5-1/4	-	-	-	450451	453451	<b>3,213.00</b>	25
5-1/2	452452	<b>2,712.00</b>	25	450452	453452	<b>3,295.00</b>	25
5-3/4	-	-	-	450453	453453	<b>3,378.00</b>	25
6	452454	<b>2,883.00</b>	25	450454	453454	<b>3,520.00</b>	25
6-1/2	451120	<b>4,167.00</b>	1	450456	453456	<b>5,220.00</b>	10
7	451121	<b>4,352.00</b>	1	450458	453458	<b>5,905.00</b>	10
7-1/2	451123	<b>4,414.00</b>	1	450461	453461	<b>6,130.00</b>	10
8	451124	<b>4,637.00</b>	1	450463	453463	<b>6,355.00</b>	10
8-1/2	451125	<b>6,220.00</b>	1	-	-	-	-
9	451126	<b>7,487.00</b>	1	-	-	-	-
9-1/2	451127	<b>8,024.00</b>	1	-	-	-	-
10	451129	<b>8,781.00</b>	1	-	-	-	-
11	451158	<b>9,017.00</b>	1	-	-	-	-
12	451166	<b>9,169.00</b>	1	-	-	-	-
13	451172	<b>12,097.00</b>	1	-	-	-	-
14	451178	<b>13,656.00</b>	1	-	-	-	-
15	451184	<b>15,584.00</b>	1	-	-	-	-
16	451186	<b>19,263.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



DIAMETER <b>5/8" UNF</b> PITCH 18 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
<b>1</b>	452460	<b>898.00</b>	25	450460	453460	<b>1020.00</b>	25
<b>1-1/4</b>	452462	<b>940.00</b>	25	450462	453462	<b>1,035.00</b>	25
<b>1-1/2</b>	452464	<b>968.00</b>	25	450464	453464	<b>1,119.00</b>	25
<b>1-3/4</b>	452466	<b>1,082.00</b>	25	450466	453466	<b>1,202.00</b>	25
<b>2</b>	452468	<b>1,114.00</b>	25	450468	453468	<b>1,284.00</b>	25
<b>2-1/4</b>	452470	<b>1,364.00</b>	25	450470	453470	<b>1,414.00</b>	25
<b>2-1/2</b>	452472	<b>1,395.00</b>	25	450472	453472	<b>1,620.00</b>	25
<b>2-3/4</b>	452474	<b>1,509.00</b>	25	450474	453474	<b>1,780.00</b>	25
<b>3</b>	452476	<b>1,541.00</b>	25	450476	453476	<b>1,842.00</b>	25
<b>3-1/4</b>	452478	<b>1,788.00</b>	25	450478	453478	<b>1,941.00</b>	25
<b>3-1/2</b>	452480	<b>1,788.00</b>	25	450480	453480	<b>1,941.00</b>	25
<b>3-3/4</b>	452481	<b>1,985.00</b>	25	450481	453481	<b>2,040.00</b>	25
<b>4</b>	452482	<b>1,985.00</b>	25	450482	453482	<b>2,040.00</b>	25
<b>4-1/2</b>	482484	<b>2,251.00</b>	25	450484	453484	<b>2,516.00</b>	25
<b>5</b>	482486	<b>2,585.00</b>	25	450486	453486	<b>3,076.00</b>	25
<b>5-1/2</b>	482488	<b>2,787.00</b>	25	450488	453488	<b>3,413.00</b>	25
<b>6</b>	482490	<b>2,963.00</b>	25	450490	453490	<b>3,640.00</b>	25
<b>6-1/2</b>	451130	<b>3,862.00</b>	1	450492	453492	<b>5,400.00</b>	10
<b>7</b>	451131	<b>4,472.00</b>	1	450494	453494	<b>6,080.00</b>	10
<b>7-1/2</b>	451132	<b>4,492.00</b>	1	450496	453496	<b>6,315.00</b>	10
<b>8</b>	451133	<b>4,771.00</b>	1	450498	453498	<b>6,480.00</b>	10
<b>8-1/2</b>	451135	<b>6,400.00</b>	1	-	-	-	-
<b>9</b>	451136	<b>7,662.00</b>	1	-	-	-	-
<b>9-1/2</b>	451137	<b>8,488.00</b>	1	-	-	-	-
<b>10</b>	451138	<b>9,074.00</b>	1	-	-	-	-
<b>11</b>	451190	<b>10,933.00</b>	1	-	-	-	-
<b>12</b>	451196	<b>11,979.00</b>	1	-	-	-	-
<b>13</b>	451202	<b>12,692.00</b>	1	-	-	-	-
<b>14</b>	451208	<b>14,138.00</b>	1	-	-	-	-
<b>15</b>	451214	<b>16,387.00</b>	1	-	-	-	-
<b>16</b>	451216	<b>20,243.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



**DIAMETER 3/4" UNC PITCH 10 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1	452500	<b>1,637.00</b>	25	450500	453500	<b>1,751.00</b>	25
1-1/4	452502	<b>1,696.00</b>	25	450502	453502	<b>1,789.00</b>	25
1-1/2	452504	<b>1,747.00</b>	25	450504	453504	<b>1,815.00</b>	25
1-3/4	452506	<b>1,805.00</b>	25	450506	453506	<b>1,959.00</b>	25
2	452508	<b>1,837.00</b>	25	450508	453508	<b>2,071.00</b>	25
2-1/4	452510	<b>2,046.00</b>	25	450510	453510	<b>2,102.00</b>	25
2-1/2	452512	<b>2,067.00</b>	25	450512	453512	<b>2,273.00</b>	25
2-3/4	452514	<b>2,243.00</b>	25	450514	453514	<b>2,343.00</b>	25
3	452516	<b>2,293.00</b>	25	450516	453516	<b>2,411.00</b>	25
3-1/4	452518	<b>2,591.00</b>	25	450518	453518	<b>2,949.00</b>	25
3-1/2	452520	<b>2,644.00</b>	25	450520	453520	<b>3,009.00</b>	25
3-3/4	452522	<b>2,874.00</b>	25	450522	453522	<b>3,196.00</b>	25
4	452524	<b>2,933.00</b>	25	450524	453524	<b>3,261.00</b>	25
4-1/4	-	-	-	450525	453525	<b>3,527.00</b>	25
4-1/2	452526	<b>3,314.00</b>	25	450526	453526	<b>3,748.00</b>	25
4-3/4	-	-	-	450527	453527	<b>4,116.00</b>	25
5	452528	<b>3,556.00</b>	25	450528	453528	<b>4,272.00</b>	25
5-1/2	452530	<b>3,847.00</b>	25	450530	453530	<b>4,319.00</b>	25
6	452532	<b>4,252.00</b>	10	450532	453532	<b>4,603.00</b>	10
6-1/2	451139	<b>6,502.00</b>	1	450534	453534	<b>8,188.00</b>	10
7	451141	<b>6,625.00</b>	1	450536	453536	<b>8,700.00</b>	10
7-1/2	451142	<b>7,378.00</b>	1	450538	453538	<b>9,092.00</b>	10
8	451143	<b>7,469.00</b>	1	450541	453541	<b>9,483.00</b>	10
8-1/2	451144	<b>10,352.00</b>	1	-	-	-	-
9	451145	<b>14,482.00</b>	1	-	453543	<b>17,221.00</b>	1
9-1/2	451147	<b>14,944.00</b>	1	-	-	-	-
10	451148	<b>15,084.00</b>	1	-	453545	<b>17,473.00</b>	1
11	451220	<b>15,224.00</b>	1	-	-	-	-
12	451223	<b>15,364.00</b>	1	-	-	-	-
13	451226	<b>17,392.00</b>	1	-	-	-	-
14	451229	<b>18,045.00</b>	1	-	-	-	-
15	451238	<b>18,695.00</b>	1	-	-	-	-
16	451242	<b>20,657.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



DIAMETER <b>3/4" UNF</b> PITCH 16 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
<b>1</b>	452540	<b>1,669.00</b>	25	450540	453540	<b>2,068.00</b>	25
<b>1-1/4</b>	452542	<b>1,729.00</b>	25	450542	453542	<b>2,081.00</b>	25
<b>1-1/2</b>	452544	<b>1,780.00</b>	25	450544	453544	<b>2,094.00</b>	25
<b>1-3/4</b>	452546	<b>1,841.00</b>	25	450546	453546	<b>2,108.00</b>	25
<b>2</b>	452548	<b>1,922.00</b>	25	450548	453548	<b>2,131.00</b>	25
<b>2-1/4</b>	452550	<b>2,060.00</b>	25	450550	453550	<b>2,183.00</b>	25
<b>2-1/2</b>	452552	<b>2,140.00</b>	25	450552	453552	<b>2,354.00</b>	25
<b>2-3/4</b>	452554	<b>2,288.00</b>	25	450554	453554	<b>2,410.00</b>	25
<b>3</b>	452556	<b>2,350.00</b>	25	450556	453556	<b>2,449.00</b>	25
<b>3-1/4</b>	452558	<b>2,677.00</b>	25	450558	453558	<b>3,004.00</b>	25
<b>3-1/2</b>	452560	<b>2,731.00</b>	25	450560	453560	<b>3,066.00</b>	25
<b>3-3/4</b>	452562	<b>2,973.00</b>	25	450562	453562	<b>3,292.00</b>	25
<b>4</b>	452564	<b>3,035.00</b>	25	450564	453564	<b>3,359.00</b>	25
<b>4-1/2</b>	452566	<b>3,318.00</b>	25	450566	453566	<b>3,859.00</b>	25
<b>5</b>	452568	<b>3,584.00</b>	25	450568	453568	<b>4,355.00</b>	25
<b>5-1/2</b>	452570	<b>3,939.00</b>	25	450570	453570	<b>4,412.00</b>	25
<b>6</b>	452572	<b>4,271.00</b>	25	450572	453572	<b>4,783.00</b>	25
<b>6-1/2</b>	451150	<b>6,685.00</b>	1	450574	453574	<b>8,352.00</b>	10
<b>7</b>	451151	<b>7,216.00</b>	1	450576	453576	<b>8,874.00</b>	10
<b>7-1/2</b>	451153	<b>7,440.00</b>	1	450578	453578	<b>9,240.00</b>	10
<b>8</b>	451154	<b>7,882.00</b>	1	450579	453579	<b>9,670.00</b>	10
<b>8-1/2</b>	451155	<b>11,014.00</b>	1	-	-	-	-
<b>9</b>	451156	<b>14,903.00</b>	1	-	453581	<b>17,455.00</b>	1
<b>9-1/2</b>	451157	<b>15,202.00</b>	1	-	-	-	-
<b>10</b>	451159	<b>15,525.00</b>	1	-	453583	<b>17,620.00</b>	1
<b>11</b>	451248	<b>18,842.00</b>	1	-	-	-	-
<b>12</b>	451254	<b>19,615.00</b>	1	-	-	-	-
<b>13</b>	451260	<b>20,161.00</b>	1	-	-	-	-
<b>14</b>	451266	<b>20,714.00</b>	1	-	-	-	-
<b>15</b>	451272	<b>21,285.00</b>	1	-	-	-	-
<b>16</b>	451278	<b>23,536.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



**DIAMETER 7/8" UNC PITCH 9 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1-1/2	452575	<b>3,139.00</b>	15	450575	453575	<b>3,578.00</b>	15
1-3/4	452577	<b>3,193.00</b>	15	450577	453577	<b>3,640.00</b>	15
2	452580	<b>3,247.00</b>	15	450580	453580	<b>3,701.00</b>	15
2-1/4	452582	<b>3,301.00</b>	15	450582	453582	<b>3,762.00</b>	15
2-1/2	452584	<b>3,476.00</b>	15	450584	453584	<b>3,962.00</b>	15
2-3/4	452586	<b>3,657.00</b>	15	450586	453586	<b>4,170.00</b>	15
3	452588	<b>3,853.00</b>	15	450588	453588	<b>5,655.00</b>	15
3-1/4	452590	<b>3,951.00</b>	15	450590	453590	<b>5,842.00</b>	15
3-1/2	452592	<b>4,031.00</b>	15	450592	453592	<b>5,940.00</b>	15
3-3/4	452594	<b>4,238.00</b>	15	450594	453594	<b>6,444.00</b>	15
4	452596	<b>4,325.00</b>	15	450596	453596	<b>6,718.00</b>	15
4-1/4	-	-	-	450597	453597	<b>7,673.00</b>	15
4-1/2	452598	<b>5,413.00</b>	15	450598	453598	<b>7,767.00</b>	15
5	452600	<b>5,601.00</b>	15	450600	453600	<b>8,762.00</b>	15
5-1/2	452602	<b>5,915.00</b>	15	450602	453602	<b>9,810.00</b>	15
6	452604	<b>6,352.00</b>	15	450604	453604	<b>10,859.00</b>	15
6-1/2	451160	<b>10,224.00</b>	1	450606	453606	<b>11,907.00</b>	10
7	451161	<b>10,778.00</b>	1	450608	453608	<b>12,956.00</b>	10
7-1/2	451162	<b>11,699.00</b>	1	-	-	-	-
8	451163	<b>12,370.00</b>	1	450610	453610	<b>15,053.00</b>	10
8-1/2	451164	<b>13,580.00</b>	1	-	-	-	-
9	451165	<b>14,839.00</b>	1	-	-	-	-
9-1/2	451167	<b>15,325.00</b>	1	-	-	-	-
10	451168	<b>16,153.00</b>	1	-	-	-	-
11	451280	<b>16,879.00</b>	1	-	-	-	-
12	451282	<b>17,605.00</b>	1	-	-	-	-
13	451284	<b>19,037.00</b>	1	-	-	-	-
14	451286	<b>19,911.00</b>	1	-	-	-	-
15	451288	<b>20,780.00</b>	1	-	-	-	-
16	451290	<b>23,077.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS





DIAMETER <b>7/8"</b> UNF PITCH 14 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
	Part Number			Part Number	Part Number		
<b>1-1/2</b>	452613	<b>3,201.00</b>	15	450613	453613	<b>3,620.00</b>	15
<b>1-3/4</b>	452616	<b>3,256.00</b>	15	450616	453616	<b>3,699.00</b>	15
<b>2</b>	452620	<b>3,323.00</b>	15	450620	453620	<b>3,789.00</b>	15
<b>2-1/4</b>	452622	<b>3,458.00</b>	15	450622	453622	<b>3,943.00</b>	15
<b>2-1/2</b>	452624	<b>3,593.00</b>	15	450624	453624	<b>4,095.00</b>	15
<b>2-3/4</b>	452626	<b>3,907.00</b>	15	450626	453626	<b>4,455.00</b>	15
<b>3</b>	452628	<b>4,021.00</b>	15	450628	453628	<b>5,768.00</b>	15
<b>3-1/4</b>	452630	<b>4,051.00</b>	15	450630	453630	<b>5,959.00</b>	15
<b>3-1/2</b>	452632	<b>4,135.00</b>	15	450632	453632	<b>6,059.00</b>	15
<b>3-3/4</b>	452634	<b>4,477.00</b>	15	450634	453634	<b>6,573.00</b>	15
<b>4</b>	452636	<b>4,568.00</b>	15	450636	453636	<b>6,853.00</b>	15
<b>4-1/2</b>	452638	<b>5,553.00</b>	15	450638	453638	<b>7,922.00</b>	15
<b>5</b>	452640	<b>5,912.00</b>	15	450640	453640	<b>8,937.00</b>	15
<b>5-1/2</b>	452642	<b>6,219.00</b>	15	450642	453642	<b>10,006.00</b>	15
<b>6</b>	452644	<b>6,526.00</b>	15	450644	453644	<b>11,076.00</b>	15
<b>6-1/2</b>	451170	<b>10,428.00</b>	1	450646	453646	<b>12,145.00</b>	10
<b>7</b>	451171	<b>11,399.00</b>	1	450648	453648	<b>13,200.00</b>	10
<b>7-1/2</b>	451173	<b>12,096.00</b>	1	-	-	-	-
<b>8</b>	451174	<b>12,793.00</b>	1	450650	453650	<b>15,310.00</b>	10
<b>8-1/2</b>	451175	<b>13,942.00</b>	1	-	-	-	-
<b>9</b>	451176	<b>15,090.00</b>	1	-	-	-	-
<b>9-1/2</b>	451177	<b>15,763.00</b>	1	-	-	-	-
<b>10</b>	451179	<b>16,436.00</b>	1	-	-	-	-
<b>11</b>	451292	<b>18,978.00</b>	1	-	-	-	-
<b>12</b>	451294	<b>19,945.00</b>	1	-	-	-	-
<b>13</b>	451296	<b>21,528.00</b>	1	-	-	-	-
<b>14</b>	451297	<b>23,022.00</b>	1	-	-	-	-
<b>15</b>	451298	<b>24,420.00</b>	1	-	-	-	-
<b>16</b>	451299	<b>25,624.00</b>	1	-	-	-	-

**GR 8 IMPERIAL BOLTS**



**DIAMETER 1" UNC PITCH 8 TPI**

**BOLT ONLY**

Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW	ZINC CLEAR	List Price	Box Qty
	Part Number			(Dichromate)	(Trivalent)		
				Part Number	Part Number		
1-1/2	-	-	-	450656	453656	<b>5,903.00</b>	10
1-3/4	-	-	-	450658	453658	<b>6,100.00</b>	10
2	452660	<b>4,660.00</b>	10	450660	453660	<b>5,313.00</b>	10
2-1/4	452662	<b>4,771.00</b>	10	450662	453662	<b>5,439.00</b>	10
2-1/2	452664	<b>4,882.00</b>	10	450664	453664	<b>5,566.00</b>	10
2-3/4	452666	<b>5,139.00</b>	10	450666	453666	<b>5,860.00</b>	10
3	452668	<b>5,397.00</b>	10	450668	453668	<b>7,730.00</b>	10
3-1/4	452670	<b>5,660.00</b>	10	450670	453670	<b>8,519.00</b>	10
3-1/2	452672	<b>5,776.00</b>	10	450672	453672	<b>8,519.00</b>	10
4	452674	<b>6,210.00</b>	10	450674	453674	<b>9,430.00</b>	10
4-1/2	452676	<b>7,209.00</b>	10	450676	453676	<b>10,581.00</b>	10
5	452678	<b>7,543.00</b>	10	450678	453678	<b>10,749.00</b>	10
5-1/2	452680	<b>8,335.00</b>	10	450680	453680	<b>11,878.00</b>	10
6	452682	<b>8,677.00</b>	10	450682	453682	<b>12,365.00</b>	10
6-1/2	451180	<b>11,647.00</b>	1	450684	453684	<b>15,271.00</b>	10
7	451181	<b>12,836.00</b>	1	450685	453685	<b>16,828.00</b>	10
7-1/2	451182	<b>14,116.00</b>	1	-	-	-	-
8	451183	<b>15,198.00</b>	1	450686	453686	<b>19,924.00</b>	10
8-1/2	451185	<b>16,878.00</b>	1	-	-	-	-
9	451187	<b>18,614.00</b>	1	-	453687	<b>24,402.00</b>	1
9-1/2	451188	<b>18,760.00</b>	1	-	-	-	-
10	451189	<b>19,125.00</b>	1	-	453689	<b>25,072.00</b>	1
11	451300	<b>20,059.00</b>	1	-	-	-	-
12	451310	<b>21,322.00</b>	1	-	-	-	-
13	451320	<b>23,359.00</b>	1	-	-	-	-
14	451330	<b>25,042.00</b>	1	-	-	-	-
15	451340	<b>26,727.00</b>	1	-	-	-	-
16	451350	<b>28,822.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS



DIAMETER 1" UNF PITCH 14 TPI							
BOLT ONLY							
Length (inch)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
	Part Number			Part Number	Part Number		
1-1/2	-	-	-	450688	453688	<b>6,102.00</b>	10
1-3/4	-	-	-	450689	453691	<b>6,298.00</b>	10
2	452690	<b>4,874.00</b>	10	450690	453690	<b>5,997.00</b>	10
2-1/4	452692	<b>4,935.00</b>	10	450692	453692	<b>6,587.00</b>	10
2-1/2	452694	<b>4,996.00</b>	10	450694	453694	<b>7,186.00</b>	10
2-3/4	452696	<b>5,344.00</b>	10	450696	453696	<b>7,534.00</b>	10
3	452698	<b>5,692.00</b>	10	450698	453698	<b>8,114.00</b>	10
3-1/4	452700	<b>5,850.00</b>	10	450700	453700	<b>8,637.00</b>	10
3-1/2	452702	<b>5,969.00</b>	10	450702	453702	<b>8,689.00</b>	10
4	452704	<b>6,471.00</b>	10	450704	453704	<b>9,618.00</b>	10
4-1/2	452706	<b>7,669.00</b>	10	450706	453706	<b>10,815.00</b>	10
5	452708	<b>7,963.00</b>	10	450708	453708	<b>11,337.00</b>	10
5-1/2	452710	<b>8,553.00</b>	10	450710	453710	<b>12,167.00</b>	10
6	452712	<b>8,868.00</b>	10	450712	453712	<b>12,723.00</b>	10
6-1/2	451191	<b>11,879.00</b>	1	450714	453714	<b>15,376.00</b>	10
7	451192	<b>13,672.00</b>	1	450715	453715	<b>17,907.00</b>	10
7-1/2	451193	<b>14,398.00</b>	1	-	-	-	-
8	451194	<b>15,617.00</b>	1	450716	453716	<b>20,301.00</b>	10
8-1/2	451195	<b>17,542.00</b>	1	-	-	-	-
9	451197	<b>19,467.00</b>	1	-	453719	<b>24,890.00</b>	1
9-1/2	451198	<b>20,019.00</b>	1	-	-	-	-
10	451199	<b>20,047.00</b>	1	-	453722	<b>25,626.00</b>	1
11	451360	<b>20,469.00</b>	1	-	-	-	-
12	451370	<b>21,748.00</b>	1	-	-	-	-
13	451380	<b>24,323.00</b>	1	-	-	-	-
14	451390	<b>26,026.00</b>	1	-	-	-	-
15	451400	<b>28,372.00</b>	1	-	-	-	-
16	451410	<b>30,348.00</b>	1	-	-	-	-

GR 8 IMPERIAL BOLTS



DIAMETER <b>1 1/8"</b> PLAIN FINISH					
BOLT ONLY PLAIN FINISH					
Length (inch)	UNC (7 TPI)		UNF (12 TPI)		Box Qty
	Part Number	List Price	Part Number	List Price	
<b>2-1/2</b>	451001	<b>14,339.00</b>	451014	<b>14,550.00</b>	1
<b>3</b>	451002	<b>14,624.00</b>	451015	<b>14,820.00</b>	1
<b>3-1/2</b>	451003	<b>14,909.00</b>	451016	<b>15,207.00</b>	1
<b>4</b>	451004	<b>15,735.00</b>	451017	<b>16,050.00</b>	1
<b>4-1/2</b>	451005	<b>17,405.00</b>	451018	<b>17,753.00</b>	1
<b>5</b>	451006	<b>18,445.00</b>	451019	<b>18,815.00</b>	1
<b>5-1/2</b>	451007	<b>20,504.00</b>	451020	<b>20,914.00</b>	1
<b>6</b>	451008	<b>21,579.00</b>	451021	<b>22,010.00</b>	1
<b>6-1/2</b>	451009	<b>25,405.00</b>	451022	<b>25,913.00</b>	1
<b>7</b>	451010	<b>25,435.00</b>	451023	<b>25,955.00</b>	1
<b>8</b>	451011	<b>29,632.00</b>	451024	<b>30,224.00</b>	1
<b>9</b>	451012	<b>33,495.00</b>	451025	<b>34,164.00</b>	1
<b>10</b>	451013	<b>49,347.00</b>	451026	<b>50,333.00</b>	1
<b>11</b>	451420	<b>50,374.00</b>	451480	<b>50,945.00</b>	1
<b>12</b>	451430	<b>51,401.00</b>	451490	<b>51,779.00</b>	1
<b>13</b>	451440	<b>53,262.00</b>	451500	<b>55,506.00</b>	1
<b>14</b>	451450	<b>58,188.00</b>	451510	<b>60,487.00</b>	1
<b>15</b>	451460	<b>63,114.00</b>	451520	<b>64,376.00</b>	1
<b>16</b>	451470	<b>68,042.00</b>	451530	<b>71,170.00</b>	1

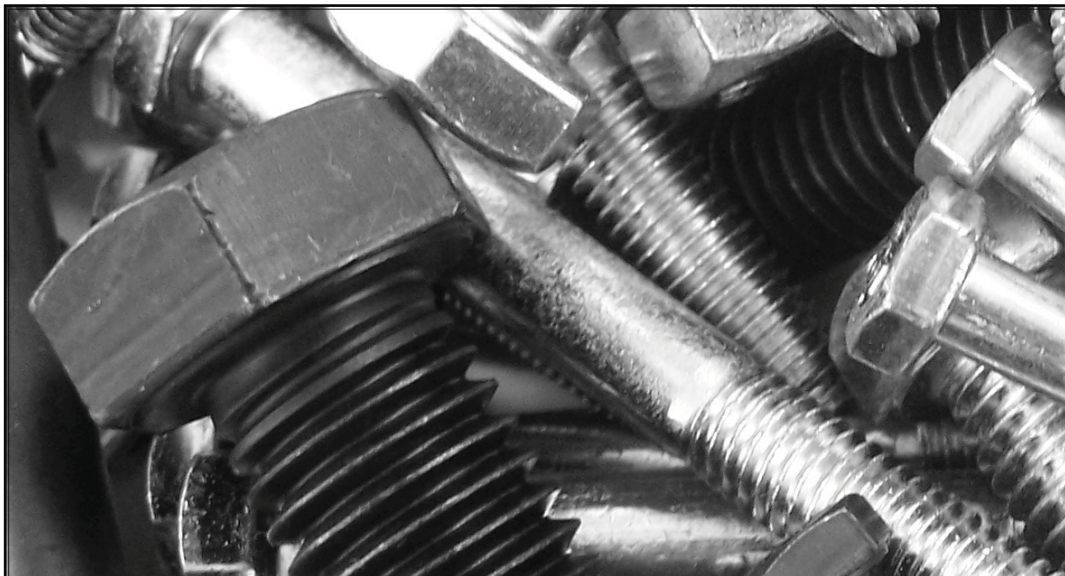
**GR 8 IMPERIAL BOLTS**





DIAMETER <b>1 1/4"</b> PLAIN FINISH					
BOLT ONLY PLAIN FINISH					
Length (inch)	UNC (7 TPI)		UNF (12 TPI)		Box Qty
	Part Number	List Price	Part Number	List Price	
<b>2-1/2</b>	451027	<b>18,890.00</b>	451040	<b>19,263.00</b>	1
<b>3</b>	451028	<b>20,666.00</b>	451041	<b>20,890.00</b>	1
<b>3-1/2</b>	451029	<b>20,911.00</b>	451042	<b>21,329.00</b>	1
<b>4</b>	451030	<b>21,564.00</b>	451043	<b>21,995.00</b>	1
<b>4-1/2</b>	451031	<b>22,118.00</b>	451044	<b>22,560.00</b>	1
<b>5</b>	451032	<b>24,507.00</b>	451045	<b>24,997.00</b>	1
<b>5-1/2</b>	451033	<b>27,190.00</b>	451046	<b>27,734.00</b>	1
<b>6</b>	451034	<b>28,262.00</b>	451047	<b>28,830.00</b>	1
<b>6-1/2</b>	451035	<b>30,885.00</b>	451048	<b>31,500.00</b>	1
<b>7</b>	451036	<b>32,736.00</b>	451049	<b>33,390.00</b>	1
<b>8</b>	451037	<b>35,400.00</b>	451051	<b>36,100.00</b>	1
<b>9</b>	451038	<b>38,106.00</b>	451052	<b>38,868.00</b>	1
<b>10</b>	451039	<b>39,223.00</b>	451054	<b>40,000.00</b>	1
<b>11</b>	451540	<b>45,172.00</b>	451600	<b>46,951.00</b>	1
<b>12</b>	451550	<b>49,823.00</b>	451610	<b>50,819.00</b>	1
<b>13</b>	451560	<b>52,267.00</b>	451620	<b>54,382.00</b>	1
<b>14</b>	451570	<b>57,415.00</b>	451630	<b>59,683.00</b>	1
<b>15</b>	451580	<b>62,558.00</b>	451640	<b>65,146.00</b>	1
<b>16</b>	451590	<b>67,710.00</b>	451650	<b>70,383.00</b>	1

**GR 8 IMPERIAL BOLTS**



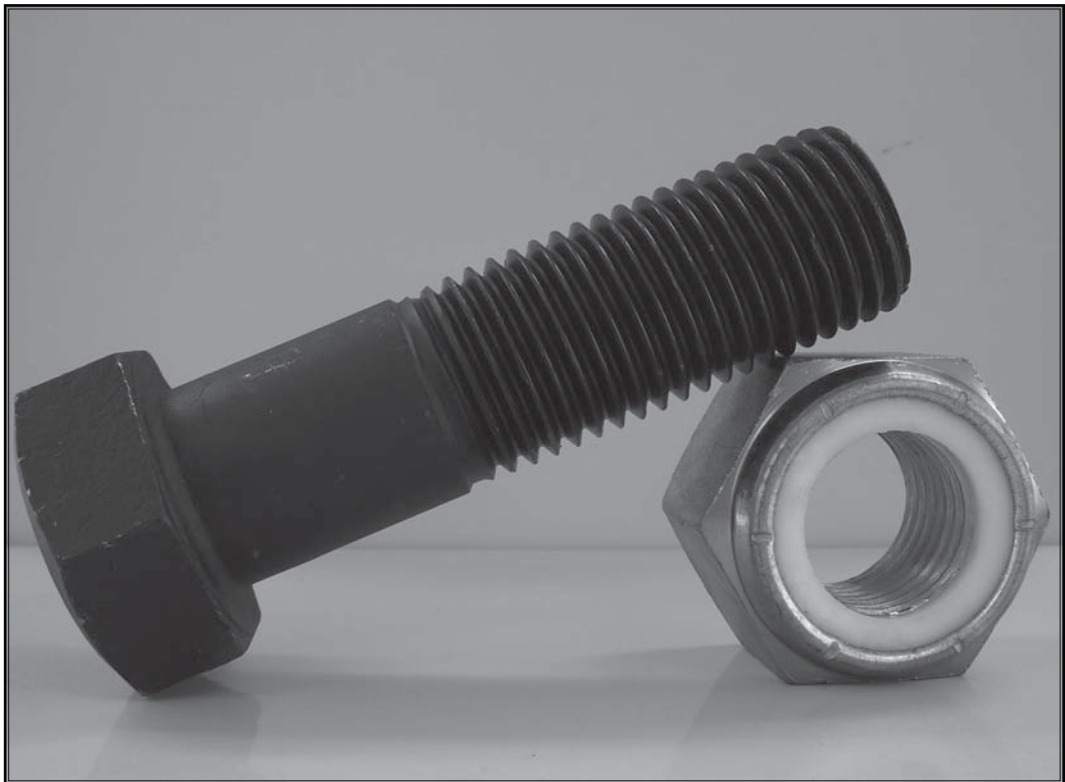
*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*





DIAMETER <b>1 3/8"</b> PLAIN FINISH					
BOLT ONLY PLAIN FINISH					
Length (inch)	UNC (6 TPI)		UNF (12 TPI)		Box Qty
	Part Number	List Price	Part Number	List Price	
<b>4</b>	451651	<b>24,328.00</b>	451711	<b>25,785.00</b>	1
<b>4-1/2</b>	451652	<b>26,339.00</b>	451712	<b>27,633.00</b>	1
<b>5</b>	451653	<b>29,061.00</b>	451713	<b>31,392.00</b>	1
<b>5-1/2</b>	451654	<b>31,306.00</b>	451714	<b>33,657.00</b>	1
<b>6</b>	451655	<b>34,035.00</b>	451715	<b>37,023.00</b>	1
<b>7</b>	451656	<b>37,763.00</b>	451716	<b>40,726.00</b>	1
<b>8</b>	451657	<b>39,658.00</b>	451717	<b>44,807.00</b>	1
<b>9</b>	451658	<b>46,456.00</b>	451718	<b>49,287.00</b>	1
<b>10</b>	451659	<b>49,861.00</b>	451719	<b>54,221.00</b>	1
<b>11</b>	451660	<b>53,980.00</b>	451720	<b>56,679.00</b>	1
<b>12</b>	451670	<b>57,755.00</b>	451730	<b>60,390.00</b>	1
<b>13</b>	451680	<b>61,772.00</b>	451740	<b>64,872.00</b>	1
<b>14</b>	451690	<b>66,672.00</b>	451750	<b>70,005.00</b>	1
<b>15</b>	451700	<b>75,058.00</b>	451760	<b>78,811.00</b>	1
<b>16</b>	451710	<b>80,311.00</b>	451770	<b>84,424.00</b>	1

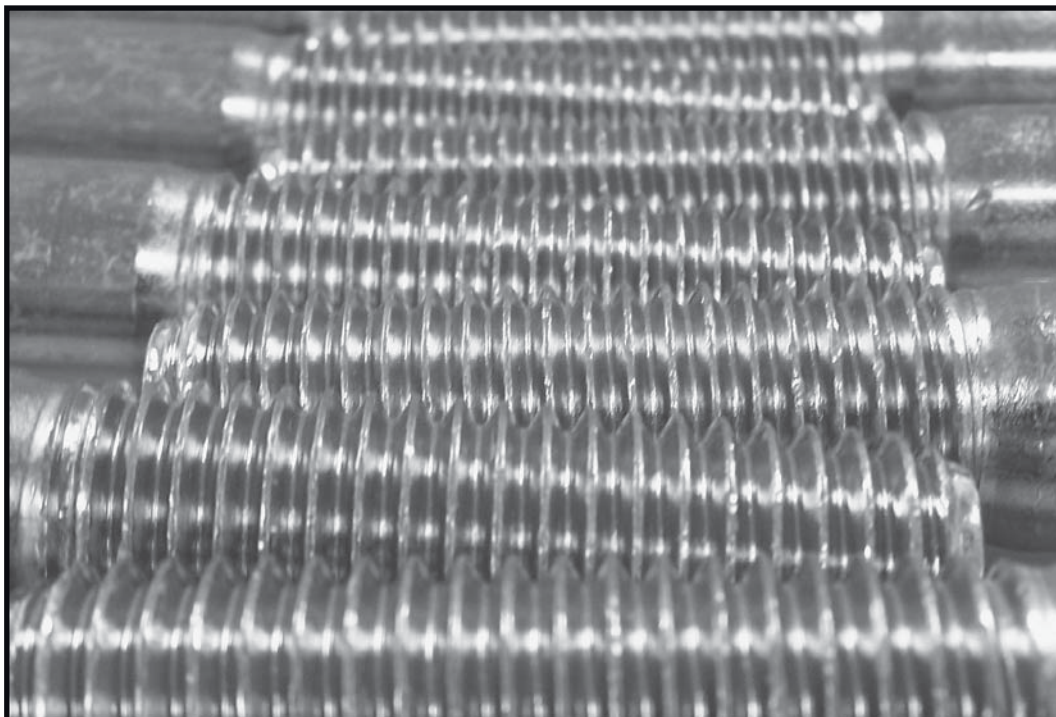
**GR 8 IMPERIAL BOLTS**





DIAMETER <b>1 1/2"</b> PLAIN FINISH					
BOLT ONLY PLAIN FINISH					
Length (inch)	UNC (6 TPI)		UNF (12 TPI)		Box Qty
	Part Number	List Price	Part Number	List Price	
<b>3</b>	451055	<b>28,109.00</b>	451076	<b>31,408.00</b>	1
<b>3-1/2</b>	451057	<b>32,661.00</b>	451082	<b>33,314.00</b>	1
<b>4</b>	451058	<b>36,562.00</b>	451087	<b>37,293.00</b>	1
<b>4-1/2</b>	451060	<b>39,360.00</b>	451088	<b>40,150.00</b>	1
<b>5</b>	451061	<b>41,284.00</b>	451090	<b>41,851.00</b>	1
<b>5-1/2</b>	451063	<b>45,287.00</b>	451091	<b>46,195.00</b>	1
<b>6</b>	451064	<b>48,234.00</b>	451093	<b>49,198.00</b>	1
<b>6-1/2</b>	451066	<b>51,710.00</b>	451094	<b>52,744.00</b>	1
<b>7</b>	451067	<b>54,066.00</b>	451096	<b>55,147.00</b>	1
<b>8</b>	451069	<b>58,565.00</b>	451097	<b>59,736.00</b>	1
<b>9</b>	451070	<b>66,248.00</b>	451099	<b>67,575.00</b>	1
<b>10</b>	451073	<b>70,339.00</b>	451100	<b>71,745.00</b>	1
<b>11</b>	451773	<b>73,514.00</b>	451791	<b>74,984.00</b>	1
<b>12</b>	451776	<b>77,078.00</b>	451794	<b>77,612.00</b>	1
<b>13</b>	451779	<b>81,221.00</b>	451797	<b>81,610.00</b>	1
<b>14</b>	451782	<b>81,630.00</b>	451800	<b>86,415.00</b>	1
<b>15</b>	451785	<b>86,248.00</b>	451803	<b>91,392.00</b>	1
<b>16</b>	451788	<b>90,866.00</b>	451806	<b>96,289.00</b>	1

**GR 8 IMPERIAL BOLTS**

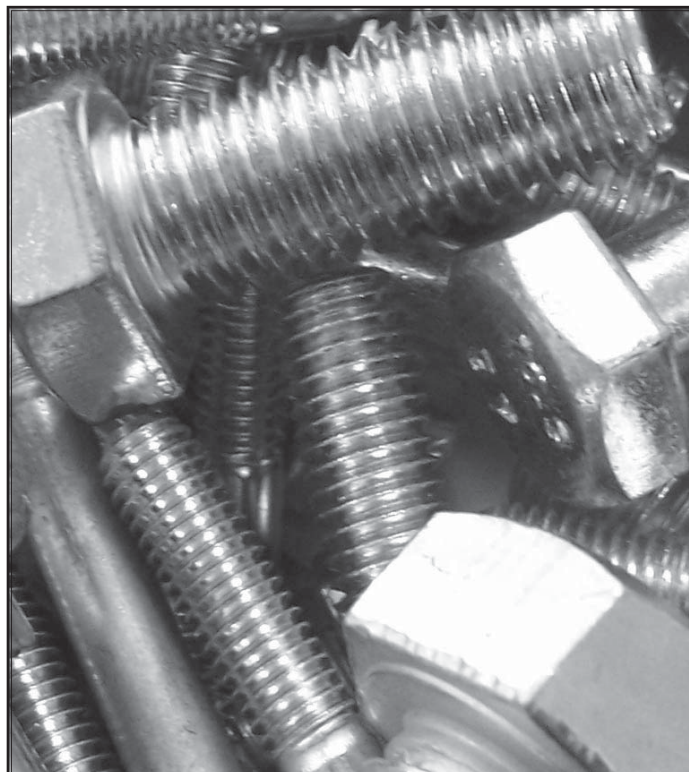


*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*



**GR 8 IMPERIAL BOLTS**

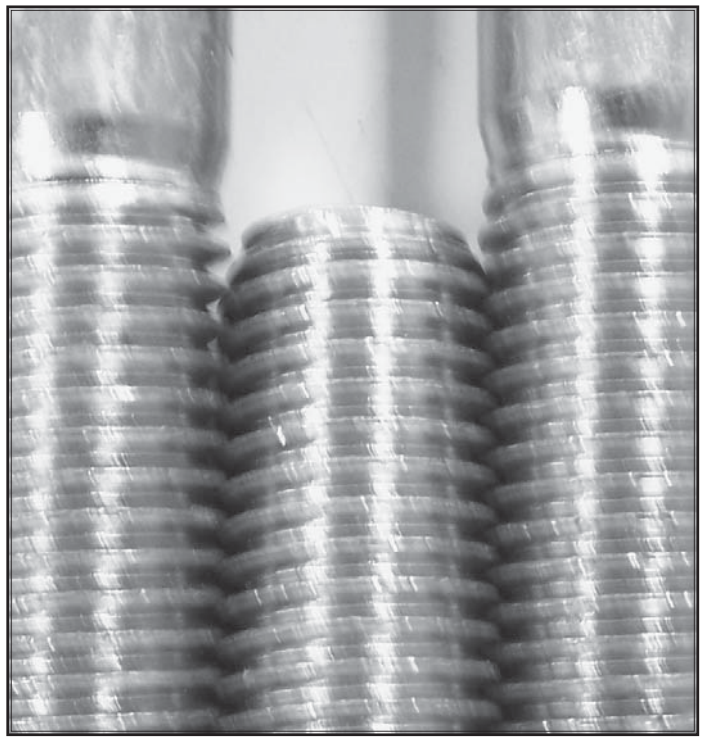
<b>DIAMETER 1 3/4" PLAIN FINISH</b>			
<b>BOLT ONLY PLAIN FINISH</b>			
Length (inch)	<b>UNC (5 TPI)</b>		Box Qty
	Part Number	List Price	
<b>4</b>	451809	<b>42,974.00</b>	1
<b>4-1/2</b>	451812	<b>46,524.00</b>	1
<b>5</b>	451815	<b>49,897.00</b>	1
<b>5-1/2</b>	451818	<b>53,447.00</b>	1
<b>6</b>	451821	<b>57,298.00</b>	1
<b>7</b>	451824	<b>65,521.00</b>	1
<b>8</b>	451827	<b>74,934.00</b>	1
<b>9</b>	451830	<b>81,565.00</b>	1
<b>10</b>	451833	<b>84,525.00</b>	1
<b>11</b>	451836	<b>97,244.00</b>	1
<b>12</b>	451839	<b>110,860.00</b>	1
<b>13</b>	451842	<b>123,520.00</b>	1
<b>14</b>	451845	<b>132,155.00</b>	1
<b>15</b>	451848	<b>141,409.00</b>	1
<b>16</b>	451851	<b>151,208.00</b>	1





<b>DIAMETER 2" PLAIN FINISH</b>			
<b>BOLT ONLY PLAIN FINISH</b>			
Length (inch)	<b>UNC (4 1/2 TPI)</b>		Box Qty
	Part Number	List Price	
<b>4</b>	451854	<b>58,959.00</b>	1
<b>4-1/2</b>	451857	<b>63,392.00</b>	1
<b>5</b>	451860	<b>67,658.00</b>	1
<b>5-1/2</b>	451863	<b>74,223.00</b>	1
<b>6</b>	451866	<b>80,792.00</b>	1
<b>7</b>	451869	<b>85,412.00</b>	1
<b>8</b>	451872	<b>94,643.00</b>	1
<b>9</b>	451875	<b>103,704.00</b>	1
<b>10</b>	451878	<b>112,935.00</b>	1
<b>11</b>	451881	<b>121,991.00</b>	1
<b>12</b>	451884	<b>131,049.00</b>	1
<b>13</b>	451887	<b>139,983.00</b>	1
<b>14</b>	451890	<b>148,920.00</b>	1
<b>15</b>	451893	<b>157,857.00</b>	1
<b>16</b>	451896	<b>166,793.00</b>	1

**GR 8 IMPERIAL BOLTS**



*List price in AUD per 100. Prices are exclusive of GST. Items in shaded areas are supplied fully threaded*



**SAE HARDENED FLAT WASHER ZINC FINISH**

ASME B18.22.1-1965 ROCKWELL HARDNESS C38-45

Size	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty	O/D (inch)	I/D (inch)	Thickness min/max
	Part Number	Part Number					
<b>1/4</b>	381050	376050	<b>72.00</b>	100	0.625	0.281	.055/.072
<b>5/16</b>	381100	376100	<b>78.00</b>	100	0.688	0.344	.055/.072
<b>3/8</b>	381150	376150	<b>108.00</b>	100	0.813	0.406	.055/.072
<b>7/16</b>	381200	376200	<b>140.00</b>	100	0.923	0.469	.055/.072
<b>1/2</b>	381250	376250	<b>226.00</b>	100	1.063	0.531	.097/.121
<b>9/16</b>	381300	376300	<b>295.00</b>	100	1.188	0.594	.097/.121
<b>5/8</b>	381350	376350	<b>430.00</b>	50	1.313	0.656	.122/.146
<b>3/4</b>	381400	376400	<b>615.00</b>	50	1.469	0.813	.122/.146
<b>7/8</b>	381450	376450	<b>850.00</b>	50	1.750	0.938	.136/.160
<b>1</b>	381500	376500	<b>1,018.00</b>	50	2.000	1.063	.136/.160

**SAE HARDENED FLAT WASHER PLAIN FINISH**

ASME B18.22.1-1965 ROCKWELL HARDNESS C38-45

Size	Part Number	List Price	Box Qty	O/D (inch)	I/D (inch)	Thickness min/max
<b>1/4</b>	375050	<b>65.00</b>	100	0.625	0.281	.055/.072
<b>5/16</b>	375100	<b>75.00</b>	100	0.688	0.344	.055/.072
<b>3/8</b>	375150	<b>96.00</b>	100	0.813	0.406	.055/.072
<b>7/16</b>	375200	<b>136.00</b>	100	0.922	0.469	.055/.072
<b>1/2</b>	375250	<b>212.00</b>	100	1.063	0.531	.097/.121
<b>9/16</b>	375300	<b>240.00</b>	100	1.188	0.594	.097/.121
<b>5/8</b>	375350	<b>423.00</b>	50	1.313	0.656	.122/.146
<b>3/4</b>	375400	<b>600.00</b>	50	1.469	0.813	.122/.146
<b>7/8</b>	375450	<b>834.00</b>	50	1.750	0.938	.136/.160
<b>1</b>	375500	<b>926.00</b>	50	2.000	1.063	.136/.160
<b>1-1/8</b>	382550	<b>1,328.00</b>	25	2.250	1.250	.136/.160
<b>1-1/4</b>	382600	<b>1,599.00</b>	25	2.500	1.375	.136/.160
<b>1-3/8</b>	382650	<b>2,150.00</b>	10	2.750	1.500	.136/.160
<b>1-1/2</b>	382700	<b>2,279.00</b>	10	3.000	1.625	.136/.160
<b>1-3/4</b>	382750	<b>4,224.00</b>	10	3.375	1.875	.178/.201
<b>2</b>	382800	<b>4,730.00</b>	10	3.750	2.125	.178/.201





<b>USS OVERSIZE FLAT WASHER ZINC YELLOW</b>						
<b>ASME B18.22.1-1965 ROCKWELL HARDNESS C38-45</b>						
Size	Part Number	List Price	Box Qty	O/D (inch)	I/D (inch)	Thickness min/max
<b>1/4</b>	351050	<b>94.50</b>	100	0.75	0.31	.055/.072
<b>5/16</b>	351100	<b>153.00</b>	100	0.88	0.38	.064/.080
<b>3/8</b>	351150	<b>180.00</b>	100	1.00	0.44	.064/.080
<b>7/16</b>	351200	<b>264.00</b>	100	1.25	0.50	.064/.080
<b>1/2</b>	351250	<b>391.00</b>	100	1.38	0.56	.097/.121
<b>9/16</b>	351300	<b>508.00</b>	100	1.50	0.625	.097/.121
<b>5/8</b>	351350	<b>822.00</b>	50	1.75	0.66	.122/.146
<b>3/4</b>	351400	<b>1,056.00</b>	50	2.00	0.81	.122/.146
<b>7/8</b>	351450	<b>1,693.00</b>	50	2.25	0.94	.136/.160
<b>1</b>	351500	<b>1,951.00</b>	50	2.50	1.06	.136/.160

<b>USS OVERSIZE FLAT WASHER PLAIN FINISH</b>						
<b>ASME B18.22.1-1965 ROCKWELL HARDNESS C38-45</b>						
Size	Part Number	List Price	Box Qty	O/D (inch)	I/D (inch)	Thickness min/max
<b>1-1/8</b>	352550	<b>2,360.00</b>	25	2.75	1.25	.136/.160
<b>1-1/4</b>	352600	<b>2,608.00</b>	25	3.00	1.38	.136/.160
<b>1-3/8</b>	352650	<b>3,449.00</b>	10	3.25	1.50	.136/.160
<b>1-1/2</b>	352700	<b>4,183.00</b>	10	3.50	1.63	.136/.160



**WASHERS**

**SAE HARDENED SPRING WASHER ZINC FINISH**

**ANSI B18.21.1-1999 ROCKWELL HARDNESS C38-46**

Size	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty	O/D (inch)	I/D (inch)	Mean Section Thickness (inch)
	Part Number	Part Number					
<b>1/4</b>	341050	359050	<b>41.00</b>	100	0.49	0.26	0.06
<b>5/16</b>	341100	359100	<b>67.00</b>	100	0.58	0.32	0.08
<b>3/8</b>	341150	359150	<b>101.00</b>	100	0.68	0.39	0.09
<b>7/16</b>	341200	359200	<b>145.00</b>	100	0.78	0.45	0.11
<b>1/2</b>	341250	359250	<b>204.00</b>	100	0.87	0.51	0.13
<b>9/16</b>	341300	359300	<b>284.00</b>	100	0.97	0.57	0.14
<b>5/8</b>	341350	359350	<b>380.00</b>	50	1.07	0.64	0.16
<b>3/4</b>	341400	359400	<b>629.00</b>	50	1.26	0.77	0.19
<b>7/8</b>	341450	359450	<b>963.00</b>	50	1.46	0.89	0.22
<b>1</b>	341500	359500	<b>1,416.00</b>	50	1.65	1.02	0.25

**SAE HARDENED SPRING WASHER PLAIN FINISH**

**ANSI B18.21.1-1999 ROCKWELL HARDNESS C38-46**

Size	Part Number	List Price	Box Qty	O/D (inch)	I/D (inch)	Thickness min/max
<b>1/4</b>	358050	<b>37.00</b>	100	0.49	0.26	0.06
<b>5/16</b>	358100	<b>61.00</b>	100	0.58	0.32	0.08
<b>3/8</b>	358150	<b>92.00</b>	100	0.68	0.39	0.09
<b>7/16</b>	358200	<b>130.00</b>	100	0.78	0.45	0.11
<b>1/2</b>	358250	<b>185.00</b>	100	0.87	0.51	0.13
<b>9/16</b>	358300	<b>256.00</b>	100	0.97	0.57	0.14
<b>5/8</b>	358350	<b>342.00</b>	50	1.07	0.64	0.16
<b>3/4</b>	358400	<b>566.00</b>	50	1.26	0.77	0.19
<b>7/8</b>	358450	<b>867.00</b>	50	1.46	0.89	0.22
<b>1</b>	358500	<b>1,275.00</b>	50	1.65	1.02	0.250
<b>1-1/8</b>	342550	<b>1,957.00</b>	25	1.84	1.14	0.281
<b>1-1/4</b>	342600	<b>2,685.00</b>	25	2.03	1.27	0.312
<b>1-3/8</b>	342650	<b>3,546.00</b>	10	2.21	1.40	0.344
<b>1-1/2</b>	342700	<b>4,423.00</b>	10	2.41	1.52	0.375



<b>METRIC HARDENED FLAT WASHER ZINC CLEAR CR3+</b>									
<b>ASTM F436M-1995 ROCKWELL HARDNESS C38-45</b>									
Size	Part Number	List Price	Box Qty	O/D (mm)		I/D (mm)		Thickness (mm)	
				Max	Min	Max	Min	Max	Min
<b>M5</b>	371040	<b>75.00</b>	100	11.00	10.55	5.78	5.50	1.75	1.20
<b>M6</b>	371060	<b>78.00</b>	100	13.00	12.57	6.87	6.65	1.75	1.20
<b>M8</b>	371080	<b>86.00</b>	100	18.80	18.37	9.12	8.90	2.30	1.60
<b>M10</b>	371100	<b>128.00</b>	100	20.00	19.48	11.12	10.85	2.30	1.60
<b>M12</b>	371120	<b>250.00</b>	100	27.00	25.70	14.40	14.00	4.60	3.10
<b>M14</b>	371140	<b>330.00</b>	100	30.00	27.40	16.40	16.00	4.60	3.10
<b>M16</b>	371160	<b>475.00</b>	50	33.93	32.40	18.39	18.00	4.60	3.10
<b>M18</b>	371180	<b>699.00</b>	50	37.90	36.40	19.25	18.75	4.60	3.10
<b>M20</b>	371200	<b>880.00</b>	50	42.01	40.40	22.50	22.00	4.60	3.10
<b>M24</b>	371240	<b>1,120.00</b>	25	50.00	48.40	26.49	26.00	4.60	3.10

<b>METRIC HARDENED FLAT WASHER PLAIN FINISH</b>									
<b>ASTM F436M-1995 ROCKWELL HARDNESS C38-45</b>									
Size	Part Number	List Price	Box Qty	O/D (mm)		I/D (mm)		Thickness (mm)	
				Max	Min	Max	Min	Max	Min
<b>M30</b>	372300	<b>1,990.00</b>	25	60.00	58.10	33.60	33.00	4.60	3.40
<b>M36</b>	372360	<b>2,830.00</b>	25	72.00	70.10	39.60	39.00	4.60	3.40

<b>METRIC HARDENED SPRING WASHER ZINC CLEAR CR3+</b>									
<b>DIN 127B ROCKWELL HARDNESS C44-51</b>									
Size	Part Number	List Price	Box Qty	O/D (mm)		I/D (mm)		Thickness (mm)	
				Max	Min	Max	Min	Thick	Toler.
<b>M5</b>	361040	<b>40.00</b>	100	9.20		5.25	5.05	1.20	+/- 0.1
<b>M6</b>	361060	<b>42.00</b>	100	11.45		6.25	6.05	1.60	+/- 0.1
<b>M8</b>	361080	<b>70.00</b>	100	14.47		8.25	8.05	2.00	+/- 0.1
<b>M10</b>	361100	<b>121.00</b>	100	17.53		10.25	10.05	2.20	+/- 0.15
<b>M12</b>	361120	<b>220.00</b>	100	21.13		12.30	12.05	2.50	+/- 0.15
<b>M14</b>	361140	<b>299.00</b>	100	24.10		14.70	14.22	3.00	+/- 0.15
<b>M16</b>	361160	<b>398.00</b>	50	28.52		16.38	16.08	3.50	+/- 0.2
<b>M18</b>	361180	<b>430.00</b>	50	29.40		19.00	18.20	3.50	+/- 0.2
<b>M20</b>	361200	<b>965.00</b>	50	34.50		20.38	20.08	4.00	+/- 0.2
<b>M24</b>	361240	<b>1,420.00</b>	25	41.96		24.38	24.08	5.00	+/- 0.2

**WASHERS**



**IMPERIAL GRADE 8 UNC HEX NUTS**

Size (inch)	PITCH (TPI)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
		Part Number			Part Number	Part Number		
1/4	20	326050	83.00	100	306050	328050	90.00	100
5/16	18	326052	90.00	100	306052	328052	99.00	100
3/8	16	326054	120.00	100	306054	328054	140.00	100
7/16	14	326056	208.00	100	306056	328056	222.00	100
1/2	13	326058	290.00	100	306058	328058	327.00	100
9/16	12	326060	426.00	100	306060	328060	450.00	100
5/8	11	326062	550.00	50	306062	328062	644.00	50
3/4	10	326064	899.00	50	306064	328064	960.00	50
7/8	9	326066	1,680.00	25	306066	328066	1,990.00	25
1	8	326068	2,330.00	25	306068	328068	2,500.00	25
1-1/8	7	308098	3,500.00	10	-	-	-	-
1-1/4	7	308099	4,600.00	10	-	-	-	-
1-3/8	6	308105	5,100.00	10	-	-	-	-
1-1/2	6	308101	7,540.00	10	-	-	-	-
1-3/4	5	308111	13,600.00	5	-	-	-	-
2	4-1/2	308115	14,900.00	5	-	-	-	-

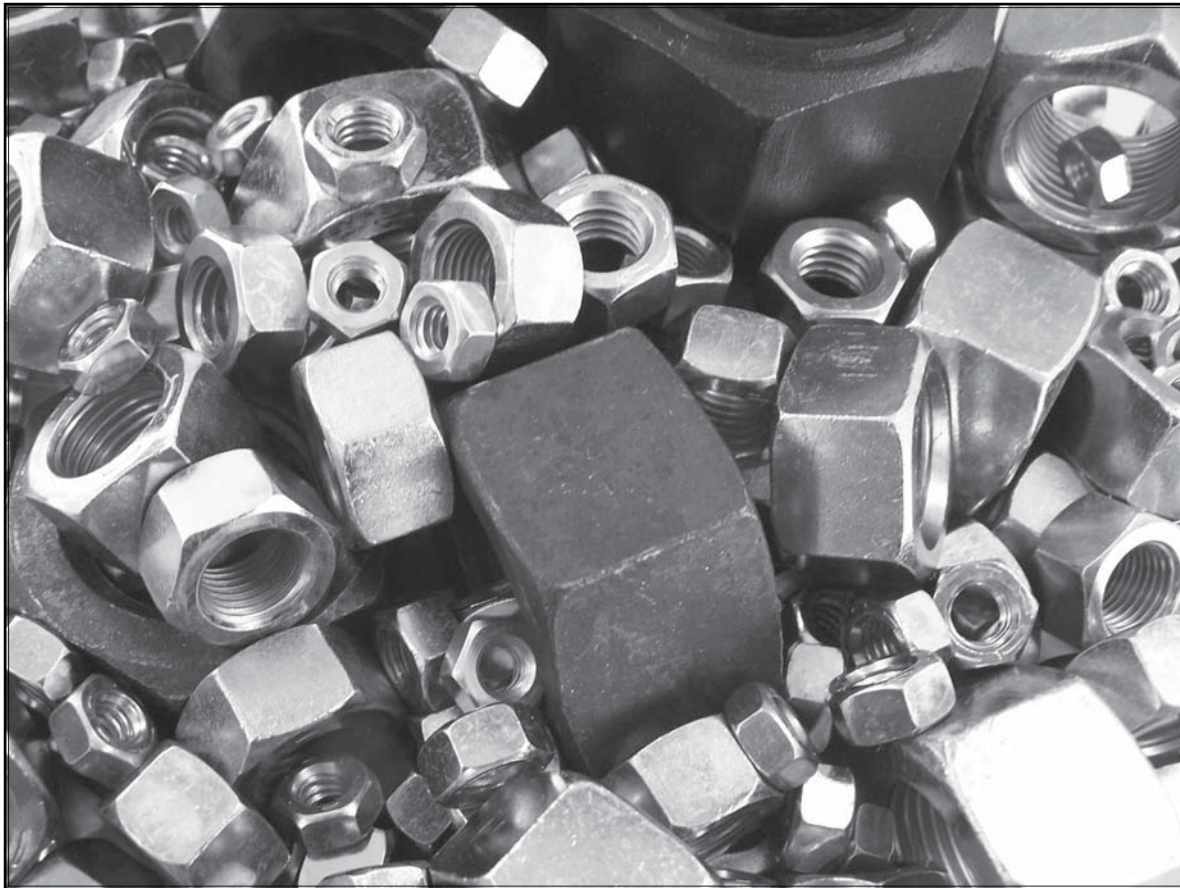
**IMPERIAL GRADE 8 UNF HEX NUTS**

Size (inch)	PITCH (TPI)	PLAIN FINISH	List Price	Box Qty	ZINC YELLOW (Dichromate)	ZINC CLEAR (Trivalent)	List Price	Box Qty
		Part Number			Part Number	Part Number		
1/4	28	326078	90.00	100	306078	328078	105.00	100
5/16	24	326080	102.00	100	306080	328080	115.00	100
3/8	24	326082	140.00	100	306082	328082	160.00	100
7/16	20	326084	220.00	100	306084	328084	240.00	100
1/2	20	326086	310.00	100	306086	328086	345.00	100
9/16	18	326088	450.00	100	306088	328088	470.00	100
5/8	18	326090	577.00	50	306090	328090	670.00	50
3/4	16	326092	998.00	50	306092	328092	1,020.00	50
7/8	14	326094	2,030.00	25	306094	328094	2,230.00	25
1	14	326096	2,580.00	25	306096	328096	2,600.00	25
1-1/8	12	308121	3,800.00	10	-	-	-	-
1-1/4	12	308123	4,900.00	10	-	-	-	-
1-3/8	12	308107	5,500.00	10	-	-	-	-
1-1/2	12	308109	7,990.00	10	-	-	-	-

NUTS



METRIC CLASS 8 HEX NUTS							
Size (inch)	PITCH (mm)	PLAIN FINISH	List Price	Box Qty	ZINC CLEAR (Trivalent)	List Price	Box Qty
		Part Number			Part Number		
<b>M5</b>	0.80	881020	<b>26.00</b>	100	868100	<b>30.00</b>	100
<b>M6</b>	1.00	881030	<b>43.00</b>	100	868110	<b>48.00</b>	100
<b>M8</b>	1.25	881040	<b>77.00</b>	100	868120	<b>82.00</b>	100
<b>M10</b>	1.50	881050	<b>145.00</b>	100	868130	<b>157.00</b>	100
<b>M12</b>	1.75	881060	<b>226.00</b>	100	868140	<b>250.00</b>	100
<b>M14</b>	2.00	881070	<b>368.00</b>	100	868150	<b>399.00</b>	100
<b>M16</b>	2.00	881080	<b>430.00</b>	50	868160	<b>525.00</b>	50
<b>M18</b>	2.50	881090	<b>868.00</b>	50	-	-	-
<b>M20</b>	2.50	881100	<b>1,180.00</b>	50	868170	<b>1,330.00</b>	50
<b>M24</b>	3.00	881110	<b>2,045.00</b>	25	868180	<b>2,250.00</b>	25
<b>M30</b>	3.50	881130	<b>3,550.00</b>	25	-	-	-
<b>M36</b>	4.00	881140	<b>6,430.00</b>	25	-	-	-



NUTS





**METRIC CLASS 10 HEX NUTS  
ZINC CLEAR (TRIVALENT)**

Size (inch)	PITCH (mm)	Part Number	List Price	Box Qty
<b>M5</b>	0.80	315004	<b>45.00</b>	100
<b>M6</b>	1.00	315006	<b>65.00</b>	100
<b>M8</b>	1.25	315008	<b>90.00</b>	100
<b>M10</b>	1.50	315010	<b>160.00</b>	100
<b>M12</b>	1.75	315012	<b>310.00</b>	100
<b>M14</b>	2.00	315014	<b>580.00</b>	100
<b>M16</b>	2.00	315016	<b>740.00</b>	50
<b>M18</b>	2.50	315018	<b>990.00</b>	50
<b>M20</b>	2.50	315020	<b>1,550.00</b>	50
<b>M24</b>	3.00	315024	<b>2,760.00</b>	25

**METRIC CLASS 10 HEX NUTS  
PLAIN FINISH**

Size (inch)	PITCH (mm)	Part Number	List Price	Box Qty
<b>M30</b>	3.50	316030	<b>4,880.00</b>	25
<b>M36</b>	4.00	316036	<b>9,600.00</b>	25

**METRIC CLASS 10 HEX NUTS  
PLAIN FINISH - FINE PITCH**

Size (inch)	PITCH (mm)	Part Number	List Price	Box Qty
<b>M8</b>	1.00	316008	<b>95.00</b>	100
<b>M10</b>	1.25	316010	<b>188.00</b>	100
<b>M12</b>	1.25	316011	<b>320.00</b>	100
<b>M12</b>	1.50	316012	<b>320.00</b>	100
<b>M14</b>	1.50	316014	<b>550.00</b>	100
<b>M16</b>	1.50	316016	<b>770.00</b>	50
<b>M20</b>	1.50	316020	<b>1,360.00</b>	50
<b>M24</b>	2.00	316024	<b>2,660.00</b>	25



**CONELOCK NUT - IMPERIAL**  
**GRADE C ZINC CLEAR (Trivalent) & WAXED**

UNC					UNF				
Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty
1/4	20	825110	99.00	100	1/4	28	825120	113.00	100
5/16	18	825130	107.00	100	5/16	24	825140	115.00	100
3/8	16	825150	160.00	100	3/8	24	825160	166.00	100
7/16	14	825170	285.00	100	7/16	20	825180	290.00	100
1/2	13	825190	399.00	100	1/2	20	825200	445.00	100
9/16	12	825210	589.00	50	9/16	18	825220	628.00	50
5/8	11	825230	789.00	50	5/8	18	825240	960.00	50
3/4	10	825250	1,250.00	50	3/4	16	825260	1,299.00	50
7/8	9	825270	2,020.00	25	7/8	14	825280	2,150.00	25
1	8	825290	3,150.00	25	1	14	825300	3,340.00	25

AISI C1037 / IFI 100/107- 2002 / CLASS 2B THREAD / PREVAILING TORQUE  
ROCKWELL HARDNESS C24-32

**METRIC CONELOCK NUT**  
**CLASS 10 ZINC CLEAR (Trivalent) & WAXED**

Size	Pitch (mm)	Part Number	List Price	Box Qty
M6	1.0	826110	69.00	100
M8	1.25	826130	135.00	100
M10	1.50	826150	250.00	100
M12	1.75	826170	440.00	100
M14	2.0	826190	650.00	100
M16	2.00	826210	880.00	50
M20	2.50	826230	1,780.00	50
M24	3.00	826250	3,560.00	25
M30	3.50	826290	10,725.00	10
M36	4.00	826360	17,680.00	10

DIN 980V / DIN 267 PREVAILING TORQUE  
HARDNESS HV30 272-353

CONELOCK NUTS



# UNC

## GRADE 2 NYLON INSERT LOCKNUT ZINC CLEAR (Trivalent)

STANDARD HEIGHT						THIN HEIGHT					
	Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty	
NM	1	64	305001	144.80	100	-	-	-	-	-	NTM
	2	56	305002	150.90	100	-	-	-	-	-	
	3	48	305003	127.15	100	3	48	305097	69.85	100	
	4	40	305005	41.95	100	4	40	305099	60.10	100	
	5	40	305007	53.10	100	5	40	305101	70.55	100	
	6	32	305009	36.25	100	6	32	305103	54.50	100	
	8	32	305011	46.20	100	8	32	305105	60.10	100	
	10	24	305013	64.00	100	10	24	305107	69.85	100	
	12	24	305015	136.25	100	-	-	-	-	-	
NE	1/4	20	305164	70.30	100	1/4	20	305277	75.30	100	NTE
	5/16	18	305166	102.85	100	5/16	18	305279	93.90	100	
	3/8	16	305168	153.60	100	3/8	16	305281	103.05	100	
	7/16	14	305170	160.95	100	7/16	14	305283	189.85	100	
	1/2	13	305172	375.95	100	1/2	13	305285	228.80	100	
	9/16	12	305174	548.55	100	9/16	12	305287	464.50	100	
	5/8	11	305176	654.90	50	5/8	11	305289	438.48	50	
	3/4	10	305195	1,036.40	50	3/4	10	305308	1,514.60	50	
	7/8	9	305197	1,676.40	25	7/8	9	305310	1,993.50	25	
	1	8	305199	2,177.95	25	1	8	305312	2,719.20	25	
	1 1/8	7	305460	6,918.95	10	1 1/8	7	305476	3,230.00	10	
	1 1/4	7	305462	8,348.00	10	1 1/4	7	305478	5,448.30	10	
	1 3/8	6	305464	12,353.00	10	1 3/8	6	305480	5,630.00	10	
1 1/2	6	305466	13,362.00	10	1 1/2	6	305482	6,175.00	10		

- NM = NUMBERED MACHINE SCREW SIZES
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- NTE = REGULAR HEX THIN HEIGHT
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- NTU = HEAVY HEX THIN HEIGHT



<b>BSW</b>											
<b>GRADE 2 NYLON INSERT LOCKNUT ZINC CLEAR (Trivalent)</b>											
<b>STANDARD HEIGHT</b>						<b>THIN HEIGHT</b>					
BSW	Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty	BSW
		1/2	12	305901	434.00	100	-	-	-	-	

<b>UNC</b>											
<b>GRADE 2 NYLON INSERT LOCKNUT ZINC CLEAR (Trivalent)</b>											
<b>HEAVY HEX STD HEIGHT</b>						<b>HEAVY HEX THIN HEIGHT</b>					
NU	Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty	NTU
		1/4	20	305394	142.50	100	1/4	20	305437	133.00	
	5/16	18	305396	190.00	100	5/16	18	305439	181.00	100	
	3/8	16	305389	272.50	100	3/8	16	305441	348.00	100	
	7/16	14	305400	536.45	100	7/16	14	305443	700.00	100	
	1/2	13	305402	435.70	100	1/2	13	305446	457.00	100	
	9/16	12	305405	1,040.00	100	9/16	12	305448	1,020.00	100	
	5/8	11	305407	1,045.00	50	5/8	11	305450	1,126.00	50	
	3/4	10	305409	1,650.75	50	3/4	10	305452	1,635.00	50	
	7/8	9	305411	2,397.25	25	7/8	9	305454	2,374.00	25	
	1	8	305413	4,645.00	25	1	8	305456	3,633.00	25	
	1 1/8	7	305494	9,186.00	10	1 1/8	7	305508	7,560.00	10	
	1 1/4	7	305496	13,055.00	10	1 1/4	7	305510	10,247.00	10	
	1 3/8	6	305498	14,039.00	10	1 3/8	6	305512	13,720.00	10	
	1 1/2	6	305500	20,436.00	10	1 1/2	6	305514	15,562.00	10	
	1 3/4	5	305502	35,541.00	5	1 3/4	5	305516	22,319.00	5	
	2	4 1/2	305504	41,235.00	5	2	4 1/2	305518	36,322.00	5	
	2 1/4	4 1/2	305506	67,056.00	5	2 1/4	4 1/2	305520	48,130.00	5	

- NM = NUMBERED MACHINE SCREW SIZES**
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- NTE = REGULAR HEX THIN HEIGHT**
- NU = HEAVY HEX STANDARD HEIGHT**
- NTU = HEAVY HEX THIN HEIGHT**

**NYLOC NUTS**



**UNF**

**GRADE 2 NYLON INSERT LOCKNUT ZINC CLEAR (Trivalent)**

STANDARD HEIGHT						THIN HEIGHT					
	Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty	
NM	1	72	305016	154.40	100	-	-	-	-	-	NTM
	2	64	305017	124.35	100	-	-	-	-	-	
	4	48	305018	90.85	100	4	48	305109	95.70	100	
	6	44	305019	99.90	100	5	44	305111	104.80	100	
	6	40	305021	108.30	100	6	40	305113	108.30	100	
	8	36	305023	111.80	100	8	36	305114	111.80	100	
	10	32	305025	74.60	100	10	32	305115	81.05	100	
	12	28	305027	153.70	100	12	28	305117	178.85	100	
NE	1/4	28	305178	74.40	100	1/4	28	305291	57.60	100	NTE
	5/16	24	305180	102.95	100	5/16	24	305293	86.40	100	
	3/8	24	305182	150.65	100	3/8	24	305295	103.05	100	
	7/16	20	305184	184.25	100	7/16	20	305297	117.35	100	
	1/2	20	305186	397.85	100	1/2	20	305299	240.40	100	
	9/16	18	305188	580.45	100	9/16	18	305301	463.80	100	
	5/8	18	305190	590.13	50	5/8	18	305303	518.25	50	
	3/4	16	305201	968.95	50	3/4	16	305314	1,281.70	50	
	7/8	14	305203	1,816.10	25	7/8	14	305316	2,010.20	25	
	1	14	305205	2,235.20	25	1	14	305318	3,246.45	25	
	1 1/8	12	305468	6,047.00	10	1 1/8	12	305484	2,655.00	10	
	1 1/4	12	305470	8,594.00	10	1 1/4	12	305486	5,449.00	10	
	1 3/8	12	305472	12,883.00	10	1 3/8	12	305488	5,630.00	10	
1 1/2	12	305474	14,818.00	10	1 1/2	12	305490	6,357.00	10		

- NM = NUMBERED MACHINE SCREW SIZES
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- NTU = HEAVY HEX THIN HEIGHT

NYLOC NUTS





**IMPERIAL NYLON INSERT LOCKNUT**  
**GRADE C - PHOSPHATE & OIL**

UNC					UNF				
Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty
1/4	20	828110	186.00	100	1/4	28	828120	206.00	100
5/16	18	828130	257.00	100	5/16	24	828140	259.00	100
3/8	16	828150	326.00	100	3/8	24	828160	369.00	100
7/16	14	828170	431.00	100	7/16	20	828180	437.00	100
1/2	13	828190	567.00	100	1/2	20	828200	600.00	100
9/16	12	828210	1,318.00	100	9/16	18	828220	1,373.00	100
5/8	11	828230	1,124.00	50	5/8	18	828240	1,138.00	50
3/4	10	828250	1,490.00	50	3/4	16	828260	1,717.00	50
7/8	9	828270	2,648.00	25	7/8	14	828280	2,702.00	25
1	8	828290	3,766.00	25	1	14	828300	3,988.00	25
1 1/8	7	828310	12,200.00	10	1 1/8	12	828370	13,150.00	10
1 1/4	7	828320	16,020.00	10	1 1/4	12	828380	17,400.00	10
1 3/8	6	828330	22,800.00	10	1 3/8	12	828390	24,300.00	10
1 1/2	6	828340	25,600.00	10	1 1/2	12	828400	28,000.00	10

**IMPERIAL NYLON INSERT LOCKNUT**  
**GRADE C - ZINC CLEAR (Trivalent)**

UNC					UNF				
Size	Pitch (TPI)	Part Number	List Price	Box Qty	Size	Pitch (TPI)	Part Number	List Price	Box Qty
1/4	20	829110	204.00	100	1/4	28	829120	230.00	100
5/16	18	829130	286.00	100	5/16	24	829140	288.00	100
3/8	16	829150	408.00	100	3/8	24	829160	411.00	100
7/16	14	829170	481.00	100	7/16	20	829180	488.00	100
1/2	13	829190	619.00	100	1/2	20	829200	670.00	100
9/16	12	829210	1,469.00	100	9/16	18	829220	1,533.00	100
5/8	11	829230	1,253.00	50	5/8	18	829240	1,270.00	50
3/4	10	829250	1,520.00	50	3/4	16	829260	1,900.00	50
7/8	9	829270	3,320.00	25	7/8	14	829280	3,500.00	25
1	8	829290	4,500.00	25	1	14	829300	4,750.00	25

NYLOC NUTS


**METRIC NYLON INSERT LOCKNUT**
**CLASS 8 ZINC CLEAR (Trivalent)**

Size	Pitch (mm)	Part Number	List Price	Box Qty
M3	0.5	812008	50.00	100
M4	0.7	812010	65.00	100
M5	0.8	812020	70.00	100
M6	1.0	812030	74.00	100
M8	1.25	812040	116.00	100
M10	1.50	812050	253.00	100
M12	1.75	812060	320.00	50
M14	2.0	812070	360.00	50
M16	2.00	812080	635.00	50
M18	2.50	812090	985.00	25
M20	2.50	812100	1,491.00	25
M24	3.00	812110	2,099.00	25
M27	3.00	812120	5,775.00	25
M30	3.50	812130	6,549.00	25
M36	4.00	812140	11,602.00	10
M42	4.50	812150	22,825.00	10

**METRIC NYLON INSERT LOCKNUT**
**CLASS 10 ZINC CLEAR (Trivalent)**

Size	Pitch (mm)	Part Number	List Price	Box Qty
M6	1.00	312050	82.00	100
M8	1.25	312100	128.00	100
M10	1.00	312150	290.00	100
M10	1.25	312200	290.00	100
M10	1.50	312250	278.00	100
M12	1.25	312300	399.00	50
M12	1.50	312350	399.00	50
M12	1.75	312400	356.00	50
M14	1.50	312450	545.00	50
M14	2.00	312500	499.00	50
M16	1.50	312550	725.00	50
M16	2.00	312600	698.00	50
M18	2.50	312650	1090.00	25
M20	2.50	312700	1,780.00	25
M24	3.00	312750	2,770.00	25

NYLOC NUTS



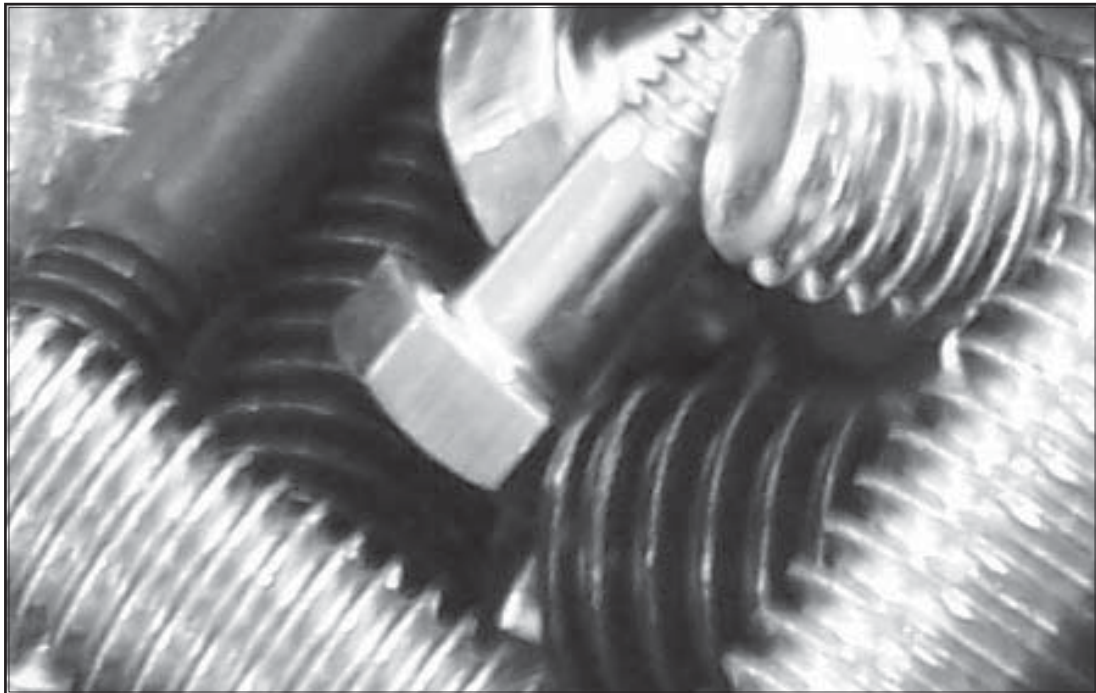
DIAMETER <b>1/4"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (20 TPI)		Box Qty	UNF (28 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>1/2</b>	440002	<b>319.00</b>	100	440044	<b>342.00</b>	100
<b>3/4</b>	440006	<b>343.00</b>	100	440048	<b>380.00</b>	100
<b>1</b>	440010	<b>370.00</b>	100	440052	<b>408.00</b>	100
<b>1-1/4</b>	440012	<b>407.00</b>	100	440054	<b>448.00</b>	100
<b>1-1/2</b>	440014	<b>441.00</b>	100	440056	<b>487.00</b>	100
<b>1-3/4</b>	440016	<b>498.00</b>	100	440058	<b>571.00</b>	100
<b>2</b>	440018	<b>547.00</b>	100	440060	<b>589.00</b>	100
<b>2-1/2</b>	440022	<b>662.00</b>	100	440064	<b>715.00</b>	100
<b>3</b>	440026	<b>895.00</b>	100	440068	<b>998.00</b>	100

DIAMETER <b>5/16"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (18 TPI)		Box Qty	UNF (24 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>1/2</b>	440086	<b>439.00</b>	100	440128	<b>470.00</b>	100
<b>3/4</b>	440090	<b>460.00</b>	100	440132	<b>494.00</b>	100
<b>1</b>	440094	<b>508.00</b>	100	440136	<b>549.00</b>	100
<b>1-1/4</b>	440096	<b>561.00</b>	100	440138	<b>596.00</b>	100
<b>1-1/2</b>	440098	<b>625.00</b>	100	440140	<b>661.00</b>	100
<b>1-3/4</b>	440100	<b>687.00</b>	100	440142	<b>728.00</b>	100
<b>2</b>	440102	<b>747.00</b>	100	440144	<b>800.00</b>	100
<b>2-1/2</b>	440106	<b>879.00</b>	100	440148	<b>925.00</b>	100
<b>3</b>	440110	<b>1,049.00</b>	100	440152	<b>1,082.00</b>	100
<b>3-1/2</b>	440114	<b>1,579.00</b>	50	-	-	-
<b>4</b>	440118	<b>1,940.00</b>	50	-	-	-

**L9 BOLTS**



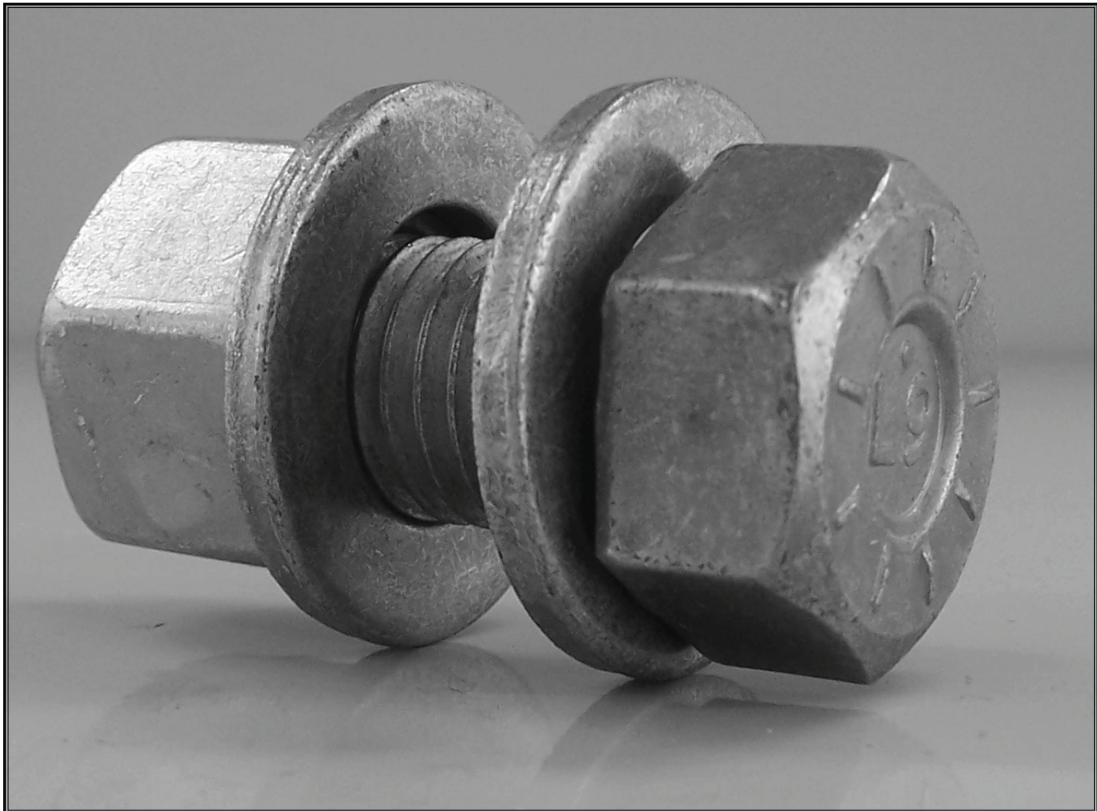
DIAMETER <b>3/8"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (16 TPI)		Box Qty	UNF (24 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>1/2</b>	440170	<b>608.00</b>	100	-	-	-
<b>3/4</b>	440174	<b>645.00</b>	100	440216	<b>726.00</b>	100
<b>1</b>	440178	<b>703.00</b>	100	440220	<b>758.00</b>	100
<b>1-1/4</b>	440180	<b>767.00</b>	100	440222	<b>830.00</b>	100
<b>1-1/2</b>	440182	<b>853.00</b>	100	440224	<b>922.00</b>	100
<b>1-3/4</b>	440184	<b>945.00</b>	100	440226	<b>1,000.00</b>	100
<b>2</b>	440186	<b>1,020.00</b>	100	440228	<b>1,092.00</b>	100
<b>2-1/4</b>	440188	<b>1,104.00</b>	50	440230	<b>1,170.00</b>	50
<b>2-1/2</b>	440190	<b>1,179.00</b>	50	440232	<b>1,282.00</b>	50
<b>3</b>	440194	<b>1,391.00</b>	50	440236	<b>1,536.00</b>	50
<b>3-1/2</b>	440198	<b>1,840.00</b>	50	440240	<b>1,966.00</b>	50
<b>4</b>	440202	<b>2,463.00</b>	50	440244	<b>2,648.00</b>	50
<b>4-1/2</b>	440204	<b>3,012.00</b>	50	-	-	-
<b>5</b>	440206	<b>3,558.00</b>	50	-	-	-
<b>6</b>	440210	<b>4,166.00</b>	50	-	-	-



L9 BOLTS



DIAMETER <b>7/16"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (14 TPI)		Box Qty	UNF (20 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>3/4</b>	440254	<b>983.00</b>	100	-	-	-
<b>1</b>	440258	<b>1,089.00</b>	100	440296	<b>1,110.00</b>	100
<b>1-1/4</b>	440260	<b>1,137.00</b>	50	440298	<b>1,216.00</b>	50
<b>1-1/2</b>	440262	<b>1,249.00</b>	50	440300	<b>1,345.00</b>	50
<b>1-3/4</b>	440264	<b>1,365.00</b>	50	440302	<b>1,476.00</b>	50
<b>2</b>	440266	<b>1,443.00</b>	50	440304	<b>1,607.00</b>	50
<b>2-1/2</b>	440270	<b>1,704.00</b>	50	440308	<b>1,835.00</b>	50
<b>3</b>	440274	<b>2,000.00</b>	50	440312	<b>2,154.00</b>	50
<b>3-1/2</b>	440278	<b>2,417.00</b>	25	440316	<b>2,576.00</b>	25
<b>4</b>	440282	<b>2,852.00</b>	25	440320	<b>3,069.00</b>	25
<b>5</b>	440286	<b>4,098.00</b>	25	-	-	-
<b>6</b>	440290	<b>5,540.00</b>	25	-	-	-



**L9 BOLTS**





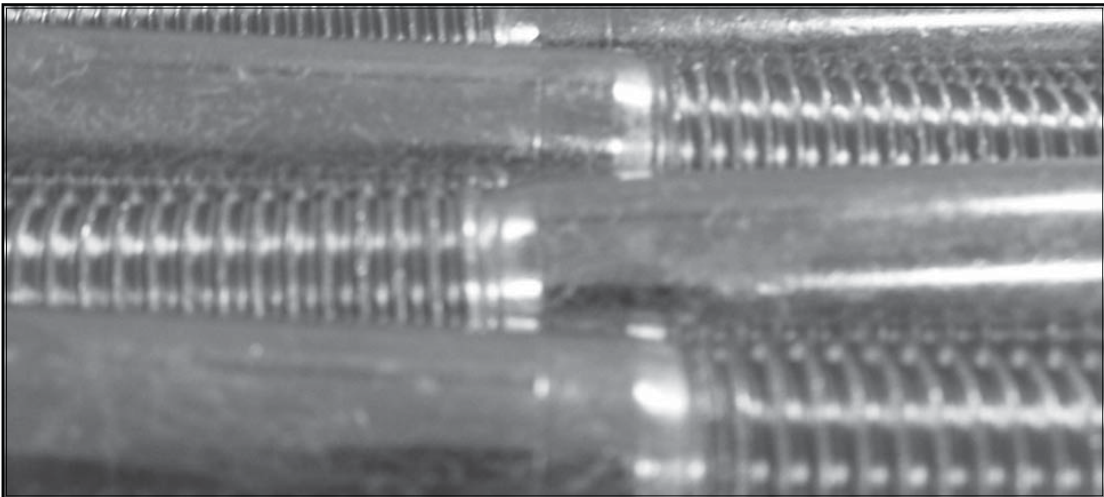
DIAMETER <b>1/2"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (13 TPI)		Box Qty	UNF (20 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>3/4</b>	440330	<b>1,266.00</b>	50	-	-	-
<b>1</b>	440334	<b>1,401.00</b>	50	440380	<b>1,484.00</b>	50
<b>1-1/4</b>	440336	<b>1,497.00</b>	50	440382	<b>1,650.00</b>	50
<b>1-1/2</b>	440338	<b>1,661.00</b>	50	440384	<b>1,771.00</b>	50
<b>1-3/4</b>	440340	<b>1,763.00</b>	50	440386	<b>1,953.00</b>	50
<b>2</b>	440342	<b>1,931.00</b>	50	440388	<b>2,139.00</b>	50
<b>2-1/4</b>	440344	<b>2,045.00</b>	50	440390	<b>2,223.00</b>	50
<b>2-1/2</b>	440346	<b>2,164.00</b>	50	440392	<b>2,391.00</b>	50
<b>3</b>	440350	<b>2,521.00</b>	50	440396	<b>2,737.00</b>	50
<b>3-1/2</b>	440354	<b>2,940.00</b>	25	440400	<b>3,184.00</b>	25
<b>4</b>	440358	<b>3,312.00</b>	25	440404	<b>3,651.00</b>	25
<b>4-1/2</b>	440360	<b>4,324.00</b>	25	440406	<b>4,928.00</b>	25
<b>5</b>	440362	<b>4,965.00</b>	25	440408	<b>5,439.00</b>	25
<b>6</b>	440366	<b>6,457.00</b>	25	440412	<b>6,956.00</b>	25
<b>7</b>	440370	<b>9,717.00</b>	25	440416	<b>10,321.00</b>	25
<b>8</b>	440374	<b>11,619.00</b>	25	440420	<b>13,086.00</b>	25

DIAMETER <b>9/16"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (12 TPI)		Box Qty	UNF (18 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>1</b>	440422	<b>2,173.00</b>	25	-	-	-
<b>1-1/2</b>	440426	<b>2,360.00</b>	25	440456	<b>2,477.00</b>	25
<b>2</b>	440430	<b>2,712.00</b>	25	440460	<b>2,923.00</b>	25
<b>2-1/2</b>	440434	<b>2,884.00</b>	25	440464	<b>3,344.00</b>	25
<b>3</b>	440438	<b>3,512.00</b>	25	440468	<b>3,767.00</b>	25
<b>3-1/2</b>	440440	<b>4,000.00</b>	25	440470	<b>4,324.00</b>	25
<b>4</b>	440442	<b>4,477.00</b>	25	440472	<b>4,756.00</b>	25
<b>5</b>	440446	<b>5,746.00</b>	25	-	-	-

L9 BOLTS



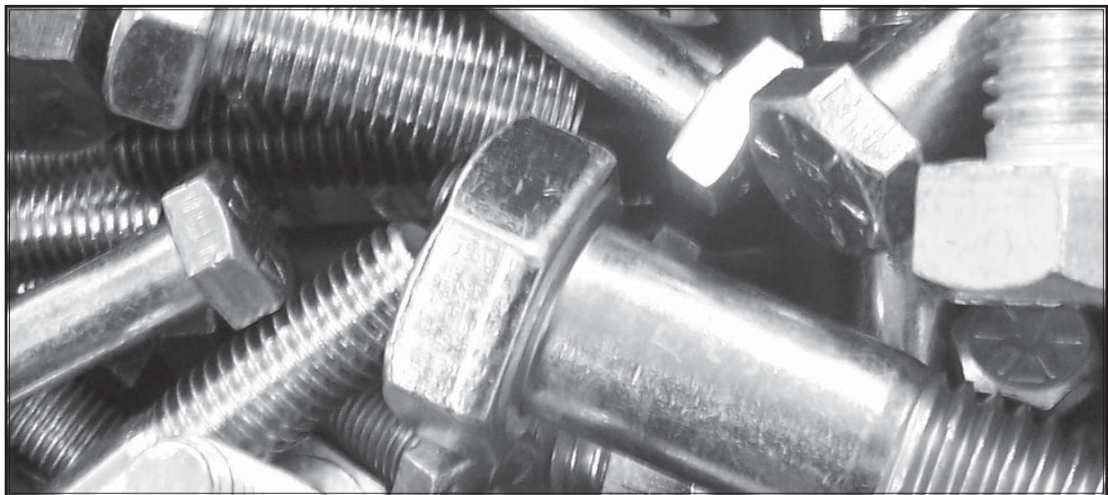
DIAMETER <b>5/8"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (11 TPI)		Box Qty	UNF (18 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
1	440482	<b>2,524.00</b>	25	440524	<b>2,651.00</b>	25
1-1/4	440484	<b>2,597.00</b>	25	440526	<b>2,867.00</b>	25
1-1/2	440486	<b>2,675.00</b>	25	440528	<b>2,923.00</b>	25
1-3/4	440488	<b>2,900.00</b>	25	440530	<b>3,116.00</b>	25
2	440490	<b>3,070.00</b>	25	440532	<b>3,312.00</b>	25
2-1/4	440492	<b>3,296.00</b>	25	440534	<b>3,556.00</b>	25
2-1/2	440494	<b>3,517.00</b>	25	440536	<b>3,752.00</b>	25
2-3/4	440496	<b>3,740.00</b>	25	440538	<b>4,044.00</b>	25
3	440498	<b>3,933.00</b>	25	440540	<b>4,280.00</b>	25
3-1/2	440502	<b>4,605.00</b>	25	440544	<b>5,081.00</b>	25
4	440506	<b>5,139.00</b>	25	440548	<b>5,579.00</b>	25
4-1/2	440508	<b>5,798.00</b>	25	440550	<b>6,234.00</b>	25
5	440510	<b>6,237.00</b>	25	440552	<b>7,188.00</b>	25
5-1/2	440512	<b>7,384.00</b>	25	440554	<b>7,951.00</b>	25
6	440514	<b>8,334.00</b>	25	440556	<b>8,697.00</b>	25
7	440518	<b>12,868.00</b>	25	440560	<b>12,948.00</b>	25
8	440522	<b>16,348.00</b>	25	440564	<b>16,436.00</b>	25
9	440850	<b>19,948.00</b>	25	440566	<b>20,046.00</b>	25
10	440852	<b>30,548.00</b>	25	-	-	-
11	440854	<b>42,560.00</b>	25	-	-	-
12	440856	<b>50,400.00</b>	25	-	-	-



**L9 BOLTS**



DIAMETER <b>3/4"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (10 TPI)		Box Qty	UNF (16 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>1-1/2</b>	440570	<b>4,624.00</b>	20	440612	<b>5,041.00</b>	20
<b>1-3/4</b>	440572	<b>4,913.00</b>	20	440614	<b>5,163.00</b>	20
<b>2</b>	440574	<b>5,174.00</b>	20	440616	<b>5,533.00</b>	20
<b>2-1/4</b>	440576	<b>5,537.00</b>	20	440618	<b>5,874.00</b>	20
<b>2-1/2</b>	440578	<b>5,899.00</b>	20	440620	<b>6,154.00</b>	20
<b>2-3/4</b>	440580	<b>6,262.00</b>	20	440622	<b>6,621.00</b>	20
<b>3</b>	440582	<b>6,624.00</b>	20	440624	<b>7,233.00</b>	20
<b>3-1/2</b>	440586	<b>7,353.00</b>	20	440628	<b>7,955.00</b>	20
<b>4</b>	440590	<b>8,074.00</b>	20	440632	<b>8,798.00</b>	20
<b>4-1/2</b>	440592	<b>9,257.00</b>	20	440634	<b>9,916.00</b>	20
<b>5</b>	440594	<b>10,069.00</b>	20	440636	<b>10,665.00</b>	20
<b>5-1/2</b>	440596	<b>11,199.00</b>	20	440638	<b>11,361.00</b>	20
<b>6</b>	440598	<b>12,369.00</b>	20	440640	<b>13,550.00</b>	20
<b>7</b>	440602	<b>18,642.00</b>	20	440644	<b>18,763.00</b>	20
<b>8</b>	440606	<b>22,437.00</b>	20	440648	<b>22,579.00</b>	20
<b>9</b>	440860	<b>26,407.00</b>	20	440870	<b>26,761.00</b>	20
<b>10</b>	440862	<b>30,924.00</b>	15	440872	<b>31,091.00</b>	15
<b>11</b>	440864	<b>58,240.00</b>	15	440874	<b>76,675.00</b>	15
<b>12</b>	440866	<b>62,720.00</b>	15	440875	<b>79,930.00</b>	15



L9 BOLTS



DIAMETER <b>7/8"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (9 TPI)		Box Qty	UNF (14 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>2</b>	440650	<b>8,652.00</b>	15	440682	<b>9,735.00</b>	15
<b>2-1/2</b>	440654	<b>9,594.00</b>	15	440686	<b>10,432.00</b>	15
<b>3</b>	440658	<b>11,120.00</b>	15	440690	<b>11,548.00</b>	15
<b>3-1/2</b>	440662	<b>11,999.00</b>	15	440694	<b>13,922.00</b>	15
<b>4</b>	440666	<b>13,052.00</b>	15	440698	<b>15,447.00</b>	15
<b>4-1/2</b>	440668	<b>14,239.00</b>	15	440700	<b>16,960.00</b>	15
<b>5</b>	440670	<b>15,990.00</b>	15	440702	<b>18,553.00</b>	15
<b>5-1/2</b>	440672	<b>17,095.00</b>	15	440704	<b>19,422.00</b>	15
<b>6</b>	440674	<b>18,019.00</b>	15	440706	<b>20,653.00</b>	15
<b>7</b>	440678	<b>25,796.00</b>	15	440710	<b>25,943.00</b>	15
<b>8</b>	440680	<b>31,672.00</b>	15	440712	<b>31,849.00</b>	15
<b>9</b>	440880	<b>36,130.00</b>	15	440890	<b>36,305.00</b>	15
<b>10</b>	440882	<b>40,555.00</b>	15	440892	<b>40,759.00</b>	15
<b>11</b>	440884	<b>71,680.00</b>	10	440894	<b>85,120.00</b>	10
<b>12</b>	440886	<b>80,640.00</b>	10	440896	<b>89,600.00</b>	10



**L9 BOLTS**



DIAMETER <b>1"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (8 TPI)		Box Qty	UNF (14 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>2</b>	440714	<b>10,144.00</b>	10	-	-	-
<b>2-1/2</b>	440718	<b>11,762.00</b>	10	440748	<b>13,439.00</b>	10
<b>3</b>	440722	<b>13,080.00</b>	10	440752	<b>14,792.00</b>	10
<b>3-1/2</b>	440726	<b>15,347.00</b>	10	440756	<b>15,889.00</b>	10
<b>4</b>	440728	<b>16,662.00</b>	10	440758	<b>17,683.00</b>	10
<b>4-1/2</b>	440730	<b>18,188.00</b>	10	440760	<b>19,307.00</b>	10
<b>5</b>	440732	<b>19,612.00</b>	10	440762	<b>20,954.00</b>	10
<b>5-1/2</b>	440734	<b>21,049.00</b>	10	440764	<b>22,510.00</b>	10
<b>6</b>	440736	<b>22,873.00</b>	10	440766	<b>24,247.00</b>	10
<b>7</b>	440740	<b>35,908.00</b>	10	440770	<b>36,046.00</b>	10
<b>8</b>	440742	<b>41,346.00</b>	10	440772	<b>41,462.00</b>	10
<b>9</b>	440901	<b>48,052.00</b>	8	440970	<b>58,520.00</b>	8
<b>10</b>	440902	<b>52,779.00</b>	8	440906	<b>64,156.00</b>	8
<b>11</b>	440903	<b>98,865.00</b>	8	440907	<b>104,796.00</b>	8
<b>12</b>	440904	<b>104,079.00</b>	8	440908	<b>110,315.00</b>	8

DIAMETER <b>1 1/8"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (7 TPI)		Box Qty	UNF (12 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>3</b>	440909	<b>22,294.00</b>	16	440917	<b>22,400.00</b>	16
<b>3-1/2</b>	440910	<b>25,600.00</b>	12	440918	<b>27,104.00</b>	12
<b>4</b>	440911	<b>28,973.00</b>	12	440919	<b>29,568.00</b>	12
<b>4-1/2</b>	440912	<b>31,304.00</b>	12	440920	<b>32,032.00</b>	12
<b>5</b>	440913	<b>33,547.00</b>	8	440921	<b>34,272.00</b>	8
<b>6</b>	440914	<b>39,186.00</b>	8	440922	<b>42,560.00</b>	8
<b>7</b>	440915	<b>44,627.00</b>	8	440923	<b>46,413.00</b>	8
<b>8</b>	440975	<b>55,395.00</b>	8	440924	<b>57,624.00</b>	8
<b>10</b>	440916	<b>75,313.00</b>	8	440925	<b>77,571.00</b>	8

L9 BOLTS





DIAMETER <b>1 1/4"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (7 TPI)		Box Qty	UNF (12 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>3</b>	440926	<b>28,893.00</b>	12	440939	<b>29,473.00</b>	12
<b>3-1/2</b>	440927	<b>32,929.00</b>	8	440940	<b>33,645.00</b>	8
<b>4</b>	440928	<b>36,921.00</b>	8	440941	<b>38,080.00</b>	8
<b>4-1/2</b>	440929	<b>39,720.00</b>	8	440942	<b>42,560.00</b>	8
<b>5</b>	440930	<b>44,046.00</b>	6	440943	<b>47,040.00</b>	6
<b>5-1/2</b>	440931	<b>47,908.00</b>	6	440944	<b>48,866.00</b>	6
<b>6</b>	440932	<b>51,743.00</b>	6	440945	<b>56,000.00</b>	6
<b>7</b>	440933	<b>56,916.00</b>	6	440946	<b>58,240.00</b>	6
<b>8</b>	440934	<b>62,488.00</b>	6	440947	<b>62,720.00</b>	6
<b>9</b>	440935	<b>67,848.00</b>	6	440948	<b>69,558.00</b>	6
<b>10</b>	440936	<b>74,680.00</b>	6	440949	<b>76,938.00</b>	6
<b>11</b>	440937	<b>145,708.00</b>	4	440950	<b>154,452.00</b>	4
<b>12</b>	440938	<b>153,001.00</b>	4	440951	<b>162,176.00</b>	4

DIAMETER <b>1 1/2"</b> BOLT ONLY						
ZINC YELLOW (DICHROMATE)						
Length (inch)	UNC (6 TPI)		Box Qty	UNF (12 TPI)		Box Qty
	Part Number	List Price		Part Number	List Price	
<b>4</b>	440952	<b>73,795.00</b>	5	440959	<b>78,225.00</b>	5
<b>5</b>	440953	<b>80,945.00</b>	5	440960	<b>88,249.00</b>	5
<b>6</b>	440954	<b>92,718.00</b>	5	440961	<b>98,291.00</b>	5
<b>7</b>	440955	<b>102,180.00</b>	4	440962	<b>108,326.00</b>	4
<b>8</b>	440956	<b>111,642.00</b>	4	440964	<b>118,326.00</b>	4
<b>10</b>	440957	<b>130,583.00</b>	4	440968	<b>138,396.00</b>	4
<b>12</b>	440958	<b>149,507.00</b>	3	440972	<b>158,467.00</b>	3

**L9 BOLTS**



## L9 HEX NUT

### ZINC YELLOW (Dichromate) CAD & WAX

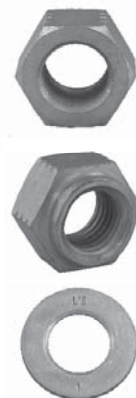
Size (inch)	PITCH (TPI)	UNC	List Price	Box Qty	Size (inch)	PITCH (TPI)	UNF	List Price	Box Qty
		Part Number					Part Number		
1/4	20	444002	209.00	100	1/4	28	444022	216.00	100
5/16	18	444004	286.00	100	5/16	24	444024	293.00	100
3/8	16	444006	466.00	100	3/8	24	444026	480.00	100
7/16	14	444008	679.00	100	7/16	20	444028	696.00	100
1/2	13	444010	859.00	100	1/2	20	444030	888.00	100
9/16	12	444012	1,049.00	100	9/16	18	444032	1,056.00	100
5/8	11	444014	1,634.00	50	5/8	18	444034	1,680.00	50
3/4	10	444016	2,707.00	50	3/4	16	444036	2,736.00	50
7/8	9	444018	4,475.00	25	7/8	14	444038	4,500.00	25
1	8	444020	10,000.00	25	1	14	444040	12,000.00	25
1-1/8	7	444104	26,000.00	10	1-1/8	12	444128	28,000.00	10
1-1/4	7	444110	29,400.00	10	1-1/4	12	444134	33,000.00	10
1-1/2	6	444116	41,400.00	5	1-1/2	12	444140	42,000.00	5

## L9 STOVER LOCKNUT

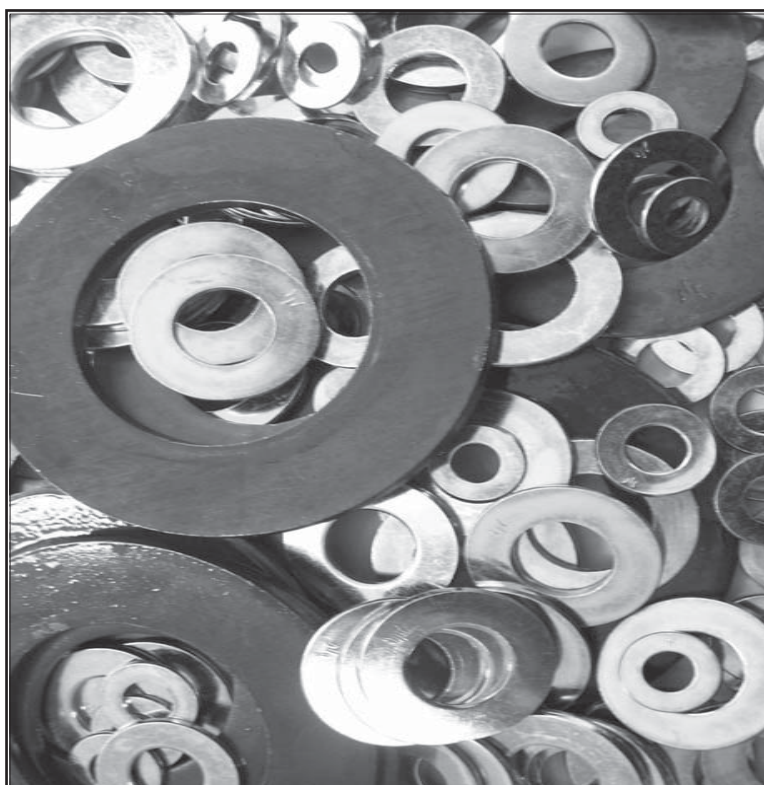
### ZINC YELLOW (Dichromate) CAD & WAX

Size (inch)	PITCH (TPI)	UNC	List Price	Box Qty	Size (inch)	PITCH (TPI)	UNF	List Price	Box Qty
		Part Number					Part Number		
1/4	20	446002	324.00	100	1/4	28	446052	336.00	100
5/16	18	446004	382.00	100	5/16	24	446054	384.00	100
3/8	16	446006	442.00	100	3/8	24	446056	456.00	100
7/16	14	446008	624.00	100	7/16	20	446058	648.00	100
1/2	13	446010	756.00	100	1/2	20	446060	768.00	100
9/16	12	446012	1,042.00	100	9/16	18	446062	1,056.00	100
5/8	11	446014	1,476.00	50	5/8	18	446064	1,512.00	50
3/4	10	446016	2,513.00	50	3/4	16	446066	2,544.00	50
7/8	9	446018	4,800.00	25	7/8	14	446068	5,200.00	25
1	8	446020	16,000.00	25	1	14	446070	19,000.00	25
1-1/8	7	446022	45,600.00	10	1-1/8	12	446072	45,840.00	10
1-1/4	7	446024	52,200.00	10	1-1/4	12	446074	52,800.00	10
1-1/2	6	446026	57,000.00	5	1-1/2	12	446078	57,600.00	5

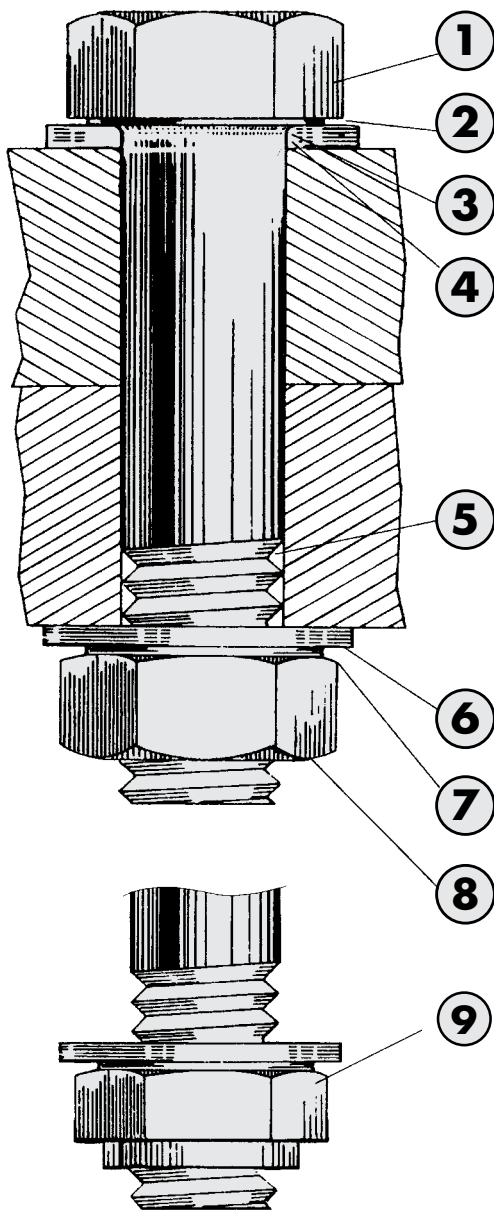
L9 NUTS & WASHERS



<b>L9 TENSION WASHER</b>			
<b>ZINC YELLOW (Dichromate) CAD &amp; WAX</b>			
Size (inch)	Part Number	List Price	Box Qty
<b>1/4</b>	448002	<b>127.00</b>	100
<b>5/16</b>	448004	<b>161.00</b>	100
<b>3/8</b>	448006	<b>199.00</b>	100
<b>7/16</b>	448008	<b>250.00</b>	100
<b>1/2</b>	448010	<b>494.00</b>	100
<b>9/16</b>	448012	<b>691.00</b>	100
<b>5/8</b>	448014	<b>838.00</b>	50
<b>3/4</b>	448016	<b>1,066.00</b>	50
<b>7/8</b>	448018	<b>1,654.00</b>	50
<b>1</b>	448020	<b>2,124.00</b>	50
<b>1-1/8</b>	448022	<b>3,103.00</b>	25
<b>1-1/4</b>	448024	<b>3,629.00</b>	25
<b>1-1/2</b>	448026	<b>5,189.00</b>	10



L9 NUTS & WASHERS



## A high strength system of highly engineered components

L'9® components are fabricated from high-grade alloy steel #AISI 8640H on state-of-the-art equipment. All screws are mechanically tested to meet ASTM F606 standards for hardness, classification fit, and elongation. Plating for bolts and washers are ZINC.0002" thick minimum to ASTM B633 Type II Class 5 SCI. Hex nuts and stover locknuts are CAD plated and waxed to ASTM A 165-80 Type TS.

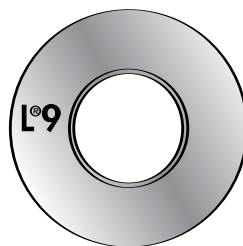
L'9® is a registered trademark of Brighton-Best Screw Mfg, Inc.

1. Thicker than standard bolt head adds wrenching surface.
2. Washer face eliminates corner drag.
3. Radius under bolt head adds strength.
4. Countersunk washer I.D. centres the washer against the bolt head bearing surface during tightening.
5. UNR radiused root bolt thread increases fatigue resistance by reducing the notch effect of conventional UN threads. The UNR thread radius is maintained into the thread runout at the junction of thread to shank.
6. Smooth washer bearing surfaces distribute loads uniformly and reduce brinelling. Plated finish assists torquing.
7. Chamfers eliminate corner drag.
8. Thicker than standard nut side walls facilitate wrenching. Heat treatment helps prevent splitting and stripping.
9. Collared L'9® prevailing torque metal locknut for assemblies subject to vibration.

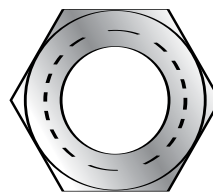
### L'9® HEAD MARKING IDENTIFICATION



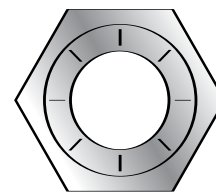
L'9® Bolthead



L'9® Washer



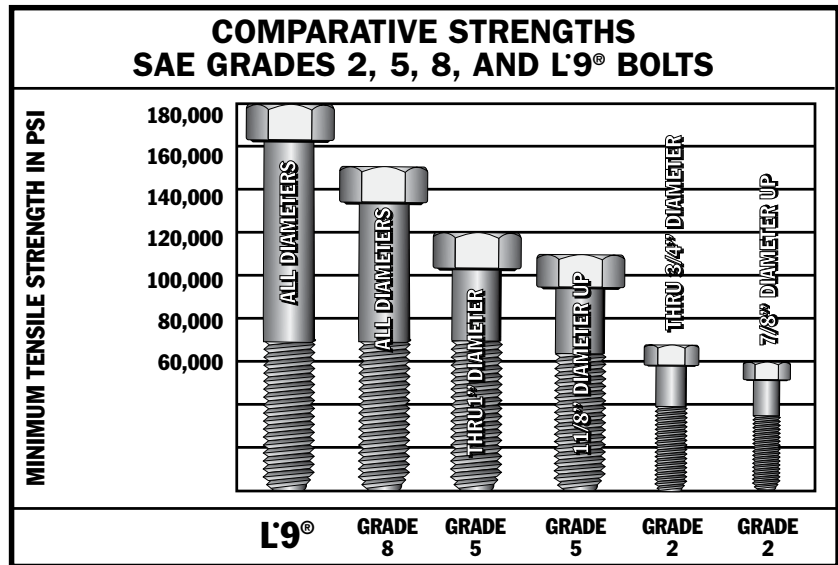
L'9® Hex Nut



L'9® Locknut

**L'9® DESIGN FEATURES**

L'9® Fastening System features 180,000 to 200,000-psi ultimate tensile strength having the minimum ductility of SAE j429 Grade 8 bolts for reduction in area and elongation.



L'9® SYSTEM PLATING SPECIFICATIONS				
PRODUCT	TYPE PLATE	THICKNESS PLATE-INCHES	BAKE	FINISH
Bolts	Zinc	.0002-.0004	6 hours @ 375-425°	Yellow Dichromate
Nuts	Cadmium and Wax	.0002-.0004	6 hours @ 375-425°	Yellow Dichromate
LockNuts	Cadmium and Wax	.0002-.0004	6 hours @ 375-425°	Yellow Dichromate
Washers	Cadmium and Wax	.0002-.0004	6 hours @ 375-425°	Yellow Dichromate

NOTE: These specifications exceed the requirements of ASTM B633 FE/ZN 5, Type II (Zinc) and ASTM-80 Type TS (Cadmium). These Finishes will meet a 96 hour salts spray test as specified by ASTM B117.

L'9® SYSTEM HARDNESS SPECIFICATIONS		
Product	Diameter Range	Rockwell Hardness
Bolts	All	R/C 38-42
Nuts	1/4 thru 5/8	R/C 28-34
	3/4 thru 1-1/2	R/C 32-38
Washers	All	15N 82-85

**USER CAUTIONS**

Avoid fastener, and possible joint failure, by observing the following:

1. Do not substitute components in the L'9® Fastening System. Non L'9® components may not meet the system's requirements. Brighton-Best is not responsible for any failures in the use of L'9® fastening system if substitutions are made of any component or finish of the system (i.e. bolt, nut, locknut, or washer)
2. Do not alter the coatings as this can result in erratic and unpredictable clamp loads. Do not use supplementary lubricants.
3. Do not use the L'9® system in service environments exceeding 400-degrees Fahrenheit. Any cadmium or zinc plated product is subject to degradation of corrosion resistance and possible liquid metal embrittlement at temperatures exceeding 400-degrees F.
4. Discuss the use of L'9® bolts and washers in tapped holes, with Brighton-Best's staff to establish correct tightening torques and methods. Excessive or insufficient clamp loads can cause major problems.
5. When tightening L'9® bolts, use the recommended torque values. The self lubricating features of the system reduce required torques so that in some instances they are below those needed to tighten Grade 8 bolts.



**L'9® Fastening System to solve common problems**

**1**



**Heads Separate**

**Caused By:**

- Improper Material Selection
- Poor Heat Treat Practice
- Poor Heading Practice
- Inadequate Fillet Under Head
- Poor Plating Practice
- Poor Joint Design

**2**



**Thread Neck Down**

- Improper Strength Grade Selection
- High Service Loads
- Over tightening
- Poor Heat Treat Practice
- Poor Joint Design

**3**



**Fatigue Fracture**

- Loss of Clamp Load
- Inadequate Tightening
- Cyclical Service Loads Exceeding Initial Clamp Load
- Non-Radiused Thread Roots
- Poor Joint Design

**4**



**Dished Washers**

- Soft Low Strength Washer Material (Results in clamp load loss, loosening, and fatigue.)

**5**



**Cracked or Split Washers**

- Improper Material Selection
- Poor Material Quality
- Poor Heat Treat Practice
- Poor Plating Practice

**6**



**Stripped Nuts**

- Improper Strength Grade Selection
- Poor Heat Treat Practice
- Inadequate Nut Design

**7**



**Cracked or Split Nuts**

- Poor Raw Material Quality
- Poor Heat Treat Practice
- Poor Forming Practice

**8**



**Rust and Corrosion**

- Improper Selection of Materials and Plating for a Specific Corrosive Environment
- Poor Joint Design

**L'9® SPECIFICATIONS**

**Dimensional Specifications – L'9® Fastening System**

Dimensions below apply to the L'9® Fastening System components. Dimensions shown are the same for both UNRC Unified National Coarse and UNRC Unified National Fine thread products. Washers are the same for both thread types.

L'9® SYSTEM DIMENSIONAL SPECIFICATIONS (ALL DIMENSIONS IN INCH)																
DIAMETER	BOLTS				NUTS						WASHERS					
	WIDTH ACROSS FLATS		HEAD HEIGHT		WIDTH ACROSS FLATS		LOCKNUT THICKNESS		HEX NUT THICKNESS		OUTSIDE DIAMETER		INSIDE DIAMETER		THICKNESS	
	MAX	MIN	MAX	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1/4	0.437	0.428	0.194	0.181	0.437	0.428	0.301	0.281	0.264	0.250	0.640	0.620	0.286	0.276	0.071	0.056
5/16	0.500	0.489	0.242	0.227	0.500	0.489	0.336	0.316	0.309	0.293	0.703	0.681	0.349	0.339	0.071	0.056
3/8	0.562	0.551	0.290	0.273	0.562	0.551	0.400	0.380	0.377	0.360	0.827	0.805	0.411	0.401	0.112	0.090
7/16	0.625	0.612	0.338	0.319	0.687	0.675	0.449	0.429	0.445	0.426	0.937	0.915	0.474	0.464	0.112	0.090
1/2	0.750	0.736	.0386	0.364	0.750	0.736	0.516	0.496	0.511	0.490	1.092	1.055	0.536	0.526	0.112	0.090
9/16	0.812	0.798	.0433	0.410	0.875	0.861	0.580	0.560	0.575	0.552	1.186	1.149	0.599	0.589	0.112	0.090
5/8	0.937	0.922	0.481	0.456	0.937	0.922	0.660	0.640	0.655	0.630	1.342	1.305	0.663	0.649	0.174	0.146
3/4	1.125	1.110	0.577	0.548	1.125	1.088	0.767	0.747	0.762	0.733	1.499	1.462	0.819	0.805	0.174	0.146
7/8	1.312	1.285	0.672	0.640	1.312	1.269	0.887	0.867	0.882	0.850	1.780	1.743	0.945	0.931	0.174	0.146
1	1.500	1.469	0.706	0.670	1.500	1.450	1.023	1.003	1.018	0.982	2.030	1.993	1.069	1.055	0.174	0.146
1-1/8	1.687	1.631	0.806	0.756	1.687	1.631	1.181	1.161	1.176	1.136	2.030	1.993	1.195	1.181	0.174	0.146
1-1/4	1.875	1.812	0.886	0.832	1.875	1.812	1.277	1.257	1.272	1.228	2.280	2.243	1.319	1.305	0.266	0.234
1-1/2	2.250	2.175	1.062	1.000	2.250	2.175	1.531	1.511	1.526	1.474	2.780	2.743	1.572	1.552	0.266	0.234

**User Specifications – L'9® Fastening System**

The table below lists by size the Tensile Strength, Proof Loads and Clamp Loads appropriate for use with the L'9® Fastening System. Recommended torque values to achieve the recommended clamp loads are also shown, for applying torque to the bolt head or to the nut. Notes below show how the loads are calculated. Refer to “User Cautions” prior to installation of L'9® fasteners.

L'9® SYSTEM USER SPECIFICATIONS – Torque Values for bolt and nut assemble – NOT tapped holes													
REFERENCE NOTE	UNRC – 2A COARSE THREAD						UNRF – 2A FINE THREAD						
	NOMINAL DIAMETER & THDS/IN.	THREADS PER INCH	TENSILE STRENGTH LBS.	PROOF LOAD LBS.	CLAMP LOAD LBS.	TORQUE BY HEAD LB.-FT.	TORQUE BY NUT LB.-FT.	THREADS PER INCH	TENSILE STRENGTH LBS.	PROOF LOAD LBS.	CLAMP LOAD LBS.	TORQUE BY HEAD LB.-FT.	TORQUE BY NUT LB.-FT.
	1/4	20	5,720	4,610	3,450	10	11	28	6,550	5,270	3,950	12	13
	5/16	18	9,430	7,590	5,700	19	21	24	10,440	8,410	6,300	20	23
	3/8	16	13,950	1,230	8,450	30	33	24	15,800	12,730	9,550	35	38
	7/16	14	19,130	15,410	11,550	55	60	20	21,360	17,210	12,900	60	65
	1/2	13	25,540	20,570	15,450	85	95	20	28,780	23,180	17,400	95	105
	9/16	12	32,760	26,390	19, 800	120	140	18	36,540	29,430	22,100	135	150
	5/8	11	40,680	32,770	24,550	170	185	18	46,080	37,120	27,800	190	205
	3/4	10	60,120	48,430	36,350	265	290	16	67,140	54,080	40,600	330	355
	7/8	9	83,160	66,990	50,300	475	505	14	91,620	73,800	55,400	520	585
	1	8	109,080	87,870	65,900	550	775	14	122,220	98,450	73,800	700	900
	1-1/8	7	137,340	110,630	83,000	1025	1150	12	154,080	124,120	93,100	1150	1325
	1-1/4	7	174,420	140,50	105,400	1400	1600	12	193,140	155,580	116,700	1600	1750
	1-1/2	6	252,900	203,720	152,800	2900	3250	12	284,580	229,240	171,900	3300	3650

NOTES: **A** – Tensile Strength calculated at 180,000-psi  
**B** – Proof Load calculated at 145,000-psi which is 80% of Tensile Strength. The yield of L'9® bolts is 155,000-psi.  
**C** – Clamp Load calculated at 108, 750-psi which is 75% of Proof Load.  
**D** – Based on using one L'9® bolt, one L'9® nut, one L.9® washer under the bolt head and one L'9® washer under the nut.  
**E** – Same as “D” above.

**REFERENCE**

### Tightening Torques and Induced Bolt Tension

Metric Course Bolts & Setscrews AS/NZS 1110 Property Class 8.8 & 10.9 Plain Finish

Diameter	Thread Pitch mm	Class 8.8		Class 10.9	
		Torque Nm	Bolt Tension kN	Torque Nm	Bolt Tension kN
M5	0.80	5.9	5.35	8.7	7.67
M6	1.00	10.0	7.54	15.0	10.90
M8	1.25	25.0	13.80	36.0	19.80
M10	1.50	49.0	21.90	72.0	31.30
M12	1.75	85.0	31.80	125.0	45.50
M14	2.00	135.0	43.40	200.0	62.10
M16	2.00	210.0	59.20	310.0	84.50
M18	2.50	300.0	74.80	-	-
M20	2.50	425.0	95.60	610.0	132.00
M24	3.00	730.0	138.00	1,050.0	190.00
M30	3.50	1,450.0	219.00	2,100.0	303.00
M36	4.00	2,530.0	319.00	3,560.0	441.00
<b>Tensile Strength</b>		800 - 830 Mpa		1040 Mpa	
<b>Proof Load</b>		580 - 600 Mpa		830 Mpa	
<b>Rockwell Hardness</b>		HRC 23-34		HRC 32-39	

\* Torque figures for bolts and screws with metric thread and head dimensions, as in ISO 4014, 4017 etc.

\* The figures in the above table includes:

a) coefficient of friction microns total + 0.14

b) 90% of minimum elongation

c) torque figures when assembling fasteners

\* Torques are calculated to install tension in the bolt equal to 65-75% of yield load and coefficient of friction of microns total = 0.14 applies for fasteners without coating (plain finish) when slightly oil lubricated.

\* Additional lubrication of the thread will substantially alter the coefficient of friction, leading to uncontrollable pre-load situations.

\* Pre-load situations will also be influenced by the fastening methods and tools used.

\* The figures are guidelines only.

\* Figures in above table are Nm (Newton Meters) and kN (Kilo Newtons).

### Tightening Torques and Induced Bolt Tension

UNC & UNF Inch Bolts & Setscrews SAE Grade 8 Plain Finish

UNC (Course Thread)			UNF (Fine Thread)		
Diameter	Torque ft.lbs	Bolt Tension lbs	Diameter	Torque ft.lbs	Bolt Tension lbs
1/4	10	2,470	1/4	12	2,820
5/16	21	4,090	5/16	23	4,510
3/8	38	6,040	3/8	43	6,820
7/16	61	8,320	7/16	67	9,230
1/2	92	11,050	1/2	104	12,480
9/16	133	14,170	9/16	149	15,860
5/8	183	17,610	5/8	208	19,950
3/4	326	26,060	3/4	364	29,120
7/8	525	36,000	7/8	579	39,700
1	787	47,200	1	862	51,700
1-1/8	1,116	59,500	1-1/8	1,251	66,700
1-1/4	1,573	75,500	1-1/4	1,744	83,700
1-3/8	2,063	90,000	1-3/8	2,349	102,500
1-1/2	2,738	109,500	1-1/2	3,083	123,300
1-3/4	4,323	148,200	1-3/4	-	-
2	6,500	195,000	2	-	-
<b>Tensile Strength</b>			150,000 MIN. P.S.I		
<b>Proof Load</b>			120,000 MIN. P.S.I		
<b>Rockwell Hardness</b>			HRC 33-39		

**Warning:** The data in this book should be used as a reference guide. The proper torque can only be determined by analysing the design parameters which include temperature, plating, lubrication, etc. Short time tensile, creep and stress relaxation should be considered for applications where the temperature exceeds 200°C. Lower ductility, impact strength and fatigue life must be considered for screws subject to temperature below -29°C.

## Calculating Tightening Torque Values

### Metric Property Classes

<b>Equation is <math>T = K D W</math></b>
T = Torque in Newton- meters (Nm)
K = torque coefficient ( <i>not to be confused with coefficient of friction</i> ). K factors are: Plain/dry - 0.20, Zinc - 0.22, Lube - 0.14
D = nominal diameter of fastener in millimeters (mm)
W = target clamping load in kilonewtons (kN)

### Imperial SAE Grades

<b>Equation is <math>T = D P K</math></b>
T = Torque in Inch pounds
D = nominal bolt diameter (decimal)
P = Pounds of Clamp Force (75% of Yield Strength (PSI) multiply by Tensile Stress Area)
K = Friction factor (estimate). K factors are: Plain/dry - 0.20, Zinc - 0.22, Lube - 0.14

## Determining Torque Tightening Values By Experimentation

Assembly Variables:

- Joint Stiffness
- Surface Hardness
- Surface Roughness
- Surface Flatness
- Bolt & Nut Grades
- Bolt & Nut Finish

## Determining Seating Torque By Experimentation



- Torque 10 or more parts to failure.
- Average the failure values.
- Use a seating torque equal to 60-65% of "B" above.

### DIMENSIONS OF IMPERIAL NYLON INSERT LOCKNUTS

STANDARD HEX NYLON INSERT LOCKNUT (NM)					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
2#	+ 0.143	0.250	0.275	3	440
3#	+ 0.143	0.250	0.275	3	530
4#	+ 0.143	0.250	0.275	3	750
5#	+ 0.143	0.250	0.275	3	910
6#	+ 0.178	0.312	0.344	6	1130
8#	+ 0.229	0.345	0.378	9	1720
10#	+ 0.239	0.375	0.413	13	2010
12#	+ 0.313	0.438	0.488	30	2585

STANDARD HEX NYLON INSERT LOCKNUT (NE)					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
1/4	0.313	0.438	0.488	30	3,760
5/16	0.344	0.500	0.557	60	6,360
3/8	0.453	0.562	0.628	80	9,540
7/16	0.453	0.625	0.698	100	13,140
1/2	0.594	0.750	0.840	150	17,730
9/16	0.641	0.875	0.982	200	22,890
5/8	0.750	0.938	1.051	300	28,530
3/4	0.875	1.062	1.191	400	42,770
7/8	0.984	1.250	1.403	600	60,330
1	* 1.047	1.438	1.615	800	79,280
1 1/8	* 1.172	1.625	1.826	900	116,700
1 1/4	* 1.391	1.812	2.038	1,000	147,930
1 3/8	* 1.578	2.000	2.249	1,200	161,000
1 1/2	* 1.609	2.188	2.416	1,350	194,000

HEAVY HEX NYLON INSERT LOCKNUT (NU)					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
1/4	0.375	0.500	0.556	30	6,590
5/16	0.438	0.562	0.624	60	9,410
3/8	0.547	0.688	0.763	80	13,900
7/16	0.703	0.875	0.969	150	20,300
1/2	0.703	0.875	0.969	150	27,200
9/16	0.797	0.938	1.037	200	37,800
5/8	0.859	1.062	1.175	300	44,100
3/4	1.000	1.250	1.382	400	59,200
7/8	1.125	1.438	1.589	600	80,100
1	1.281	1.625	1.798	800	105,000
1 1/8	1.438	1.812	2.002	900	132,000
1 1/4	1.641	2.000	2.209	1,000	169,000
1 3/8	1.797	2.188	2.416	1,200	207,000
1 1/2	1.922	2.375	2.622	1,350	240,000
1 3/4	2.313	2.750	3.035	1,400	-
2	2.406	3.125	3.449	1,450	-

Tolerances: Decimals ± 0.15/ Angles ± 2° - Unless Otherwise Specified/ ± = .010/ \* = ± .031/ \*\* = Reference Only



**DIMENSIONS OF IMPERIAL NYLON INSERT LOCKNUTS**

<b>THIN HEIGHT STANDARD HEX NYLON INSERT LOCKNUT (NTM)</b>					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
2#	+ 0.109	0.250	0.275	3	220
3#	+ 0.109	0.250	0.275	3	265
4#	+ 0.109	0.250	0.275	3	370
5#	+ 0.109	0.250	0.275	3	455
6#	+ 0.109	0.250	0.275	3	560
8#	+ 0.172	0.345	0.374	6	860
10#	+ 0.172	0.375	0.410	9	1005
12#	+ 0.203	0.437	0.413	13	1465

<b>THIN HEIGHT STANDARD HEX NYLON INSERT LOCKNUT (NTE)</b>					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
1/4	0.203	0.438	0.488	30	1,880
5/16	0.250	0.500	0.557	60	3,180
3/8	0.266	0.562	0.628	80	4,770
7/16	0.313	0.625	0.698	100	6,570
1/2	0.313	0.750	0.840	150	8,865
9/16	0.359	0.875	0.982	200	11,445
5/8	0.391	0.938	1.051	300	14,265
3/4	0.406	1.062	1.191	400	21,385
7/8	0.469	1.250	1.403	600	30,175
1	0.547	1.438	1.615	800	39,640
1 1/8	0.641	1.625	1.826	900	58,350
1 1/4	0.734	1.812	2.038	1,000	73,970
1 3/8	0.790	2.000	2.249	1,200	80,500
1 1/2	0.797	2.188	2.416	1,350	97,000

<b>THIN HEIGHT HEAVY HEX NYLON INSERT LOCKNUT (NTU)</b>					
Size	Height	Width Across Flats	Width Across Corners **	Prevailing Torque Lbs., Max	Ultimate Tensile Strength Lb. Min.
1/4	0.281	0.500	0.556	30	4,200
5/16	0.313	0.562	0.624	60	5,570
3/8	0.406	0.688	0.763	80	8,560
7/16	0.438	0.750	0.829	100	12,900
1/2	0.531	0.875	0.969	150	19,700
9/16	0.563	0.938	1.037	200	22,600
5/8	0.609	1.062	1.175	300	27,100
3/4	0.703	1.250	1.382	400	35,600
7/8	0.781	1.438	1.587	600	48,200
1	0.891	1.625	1.798	800	63,000
1 1/8	0.969	1.812	2.002	900	77,400
1 1/4	1.109	2.000	2.209	1,000	99,200
1 3/8	1.188	2.188	2.416	1,200	120,000
1 1/2	1.313	2.375	2.622	1,350	-
1 3/4	1.469	2.750	3.035	1,400	-
2	1.672	3.125	3.449	1,450	-

Tolerances: Decimals ± 0.15/ Angles ± 2° - Unless Otherwise Specified/ ± = .010/ \* = ± .031/ \*\* = Reference Only

# BRIGHTON BEST

INTERNATIONAL (AU) PTY. LTD.

Thank you for choosing Brighton Best as your supplier of Hi-Tensile products in Australia and New Zealand. This new catalogue format will help you quickly select the right products from our extensive range of quality fasteners.

Brighton Best has been servicing the fastener industry for more than 80 years. Brighton Best Hi-Tensile products are manufactured and tested to the highest quality standards, using the latest technology. Factory sealed packaging carries a clear pictorial description of size, type, barcode, material and quantity to provide complete product traceability.

Brighton Best operates an A2LA approved testing laboratory, using the most advanced fastener inspection equipment available. This facility is available to all customers, worldwide.

As part of a worldwide distribution network, large stocks of Brighton Best Hi-Tensile products are held in Melbourne, Sydney, Brisbane, Perth and Auckland to ensure reliability of supply and excellence in service to customers.

## SUMMARY OF TERMS AND CONDITIONS

Full Terms and Conditions available on request

1. Returns will only be accepted, with proper authorisation from Brighton Best, within 14 days of invoice date. A 15% restocking fee may apply to returned goods. All goods must be in original packaging and in a resaleable condition.
2. Any product that has been reworked or specially manufactured can not be returned for credit.
3. Prices printed in this catalog are current at time of printing and are subject to change without notice.
4. While all care has been taken in producing this catalog, Brighton Best accepts no responsibility for any errors or omissions.

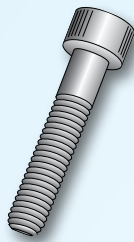
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## SOCKET CAP SCREWS

### IMPERIAL

- 011 Alloy
- 012 304 Stainless
- 014 316 Stainless
- 015 Alloy Nylon Patch
- 016 Stainless Nylon Patch
- 017 Silicon Bronze
- 018 Monel
- 019 Alloy Low Head
- 271 Alloy Nylon Pellet
- 307 Alloy 1936 Series
- 581 Alloy Semi-Standard
- 592 Stainless Semi-Standard
- 813 BSW / BSF
- 820 BA
- 872 Zinc Plated Trivalent



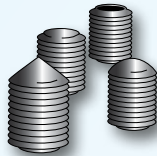
### METRIC

- 532 Alloy
- 531 Alloy Low Head
- 538 304 Stainless
- 549 316 Stainless
- 876 Zinc Plated Trivalent

## SOCKET SET SCREWS / GRUB

### IMPERIAL

- 101 Alloy Cup Point
- 102 304 Stainless Cup Pt
- 104 316 Stainless Cup Pt
- 107 Brass Cup Point
- 108 Monel Cup Point
- 111 Alloy Knurled Cup Pt
- 121 Alloy Cone Point
- 131 Alloy Oval Point
- 141 Alloy 1/2 Dog Point
- 151 Alloy Flat Point
- 922 BSW



### Semi-Standard

- 601 Alloy Cup Point
- 602 Stainless Cup Point
- 603 Alloy Flat Point
- 604 Alloy Cone Point
- 605 Alloy Oval Point
- 606 Alloy 1/2 Dog Point
- 607 Alloy Full Dog Point
- 703 Stainless Flat Point
- 704 Stainless Cone Point
- 705 Stainless Oval Point
- 706 Stainless 1/2 Dog Point
- 707 Stainless Full Dog Point
- 873 Zinc Plated Trivalent Cup Pt

### Nylon Patch/Pellet/Tips

- 105 Alloy Cup Point Patch
- 106 Stainless Cup Point Patch
- 125 Alloy Cone Point Patch
- 135 Alloy Oval Point Patch
- 145 Alloy 1/2 Dog Patch
- 155 Alloy Flat Point Patch
- 281 Alloy Cup Point Pellet
- 475 Alloy Nylon Tip
- 476 Alloy Brass Tip
- 477 Stainless Nylon Tip

### METRIC

- 533 Alloy Cup Point DIN916
- 539 304 Stainless Cup Point DIN916
- 821 Alloy Knurled Cup Point DIN916
- 831 Alloy Cone Point DIN914
- 832 Alloy Flat Point DIN913
- 833 Alloy Dog Point DIN915
- 877 Cup Pt Zinc Plated Trivalent DIN916

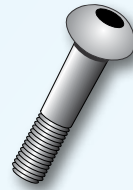
## MISCELLANEOUS PARTS

- 945 AUS/NZ Non-Standard parts
- 948 Tee Bolts
- 950 USA Non-Standard parts

## SOCKET BUTTON HD

### IMPERIAL

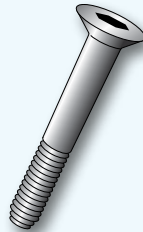
- 201 Alloy
- 202 Stainless
- 205 Alloy Nylon Patch
- 291 Alloy Nylon Pellet
- 701 Alloy Semi-Standard
- 702 Stainless Semi-Standard
- 817 BSW
- 819 BA
- 874 Zinc Plated Trivalent



## SOCKET CSK SCREWS

### IMPERIAL

- 211 Alloy
- 212 Stainless
- 215 Alloy Nylon Patch
- 293 Alloy Nylon Pellet
- 478 Slotted Gr2 Metal Thread
- 712 Stainless Semi-Standard
- 721 Alloy Semi-Standard
- 814 BSW
- 818 BA
- 875 Zinc Plated Trivalent



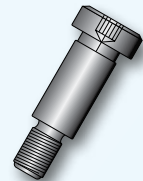
### METRIC

- 534 Alloy
- 823 304 Stainless
- 862 316 Stainless
- 878 Zinc Plated Trivalent

## SOCKET SHOULDER

### IMPERIAL

- 221 Alloy
- 225 Alloy Nylon Patch
- 295 Alloy Nylon Pellet
- 710 Stainless
- 711 Alloy Semi-Standard
- 853 BSW



### METRIC

- 537 Alloy

## PRESSURE PLUGS

### IMPERIAL

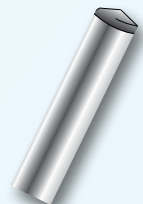
- 230 Brass 3/4" Taper
- 231 Alloy 3/4" Taper NPT
- 232 Stainless 3/4" Taper
- 233 Alloy 7/8" Taper NPT
- 822 BSP Plugs



## DOWEL PINS

### IMPERIAL

- 241 Alloy
- 242 Stainless
- 251 Alloy Oversize
- 261 Alloy Pull-Out



### METRIC

- 536 Alloy
- 548 Alloy Pull-Out
- 550 A2 S/S DIN7

## HEX KEYS

### IMPERIAL

- 509 Short Arm (8650)
- 511 Short Arm (CRV-6150)
- 512 Long Arm (CRV-6150)
- 519 Long Arm (8650)
- 529 Key Assortments



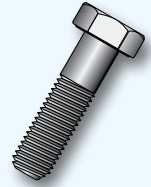
### METRIC

- 528 Long Arm (8650)
- 529 Key Assortments
- 530 Short Arm (8650)
- 513 Short Arm (CRV-6150)
- 514 Long Arm (CR V-6150)

## HEX HEAD BOLTS

### IMPERIAL

- 440 Alloy Gr. L9 Z/P Yellow
- 450 Alloy Gr. 8 Z/P Yellow
- 451 Alloy Gr. 8 Giant Plain
- 452 Alloy Gr. 8 Plain \*NEW\*
- 453 Alloy Gr 8 Z/P \*NEW\*

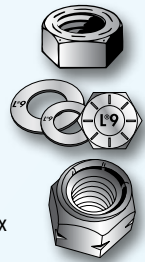


### METRIC

- 460 Alloy CI10.9 Z/P Clear
- 882 CI10.9 M30 & M36 Plain
- 882 CI10.9 Size M8-M24 Metric Fine Plain \*NEW\*
- 815 CI 8.8 Zinc Plated Trivalent
- 880 CI 8.8 Plain Finish \*NEW\*
- 867 CI 8.8 M30 & M36 Plain \*NEW\*
- 481 CI 8.8 Hex Bolt & Nut Plain \*NEW\*
- 482 CI 8.8 Hex Bolt & Nut Z/P \*NEW\*

## NUTS

- 305 Gr 2 Nyloc Zinc Clear
- 306 Gr 8 Hex Zinc Yellow
- 308 Gr 8 Hex Giant Plain
- 326 Gr 8 Hex Plain \*NEW\*
- 328 Gr 8 Hex Zinc Clear \*NEW\*
- 444 L9 Hex Zinc Yellow
- 446 L9 Stover Locknut Zinc Yell
- 825 Gr C Cone Lcknut Z/P & Wax
- 828 Gr C Nyloc Phos/Oil
- 829 Gr C Nyloc Z/P \*NEW\*



### METRIC

- 315 CI 10 Hex Zinc Plated
- 316 CI 10 Hex Plain
- 868 CI 8 Hex Zinc Plated
- 881 CI 8 Hex Plain AS1112 \*NEW\*
- 312 CI 10 Nyloc Zinc Plated \*NEW\*
- 812 CI 8 Nyloc Zinc Plated DIN985
- 826 CI 10 Conelock Z/P DIN980V
- 561/563 A2 & A4 S/S Nyloc Nuts

## WASHERS

### IMPERIAL/METRIC

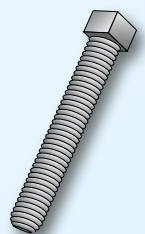
- 013 Hi-Collar Lock
- 341 Spring Z/P Yellow
- 342 Spring Giant Plain
- 351 USS Flat Oversize Z/Y
- 352 USS Flat Giant Plain
- 358 Spring Plain \*NEW\*
- 359 Spring Z/P Clear \*NEW\*
- 381 SAE Flat Z/P Yellow
- 382 SAE Flat Giant Plain
- 375 SAE Flat Plain \*NEW\*
- 376 SAE Flat Z/P Clear \*NEW\*
- 448 L9 Flat Z/P Yellow
- 361 Metric Spring Z/P DIN127B
- 371 Metric Flat Z/P Clear
- 372 Metric Flat Plain



## SQUARE HEAD SET SCREWS

### IMPERIAL

- 408 Cup Point Stainless
- 409 Cup Point UNC Case Hard'd
- 410 1/2 Dog Point Case Hard'd
- 411 Giant Cup Point UNC H/T
- 412 Cup Point UNF Case Hard'd
- 413 Flat Point Case Hard'd
- 414 Cone Point Case Hard'd
- 415 Oval Point Case Hard'd
- 805 Cup Point Alloy H/T



## SPRING TENSION PINS

### IMPERIAL

- 801 Steel
- 803 Stainless

### METRIC

- 802 Steel
- 799 Stainless

## TAMPER RESISTANT

- 510 Hex Keys
- 806 Socket Button Screws
- 807 Socket Button Screws Stainless
- 808 Socket Countersunk
- 809 Socket Countersunk Stainless
- 810 Socket Cap Screws
- 811 Socket Cap Screws Stainless





# Tested, Tried, and True

ISO

ANSI



ASTM

DIN

Founded 1925

**TOTAL  
TRACEABILITY!**

*Don't discount  
the true cost  
of security*

**IT'S WHAT  
COUNTS!**



**INVENTORY  
MANAGEMENT  
PROGRAM  
AVAILABLE!**



FOUNDED 1925

**BRIGHTON-BEST  
SOCKET SCREW  
MFG, PTY. LTD.**

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# COMMITMENT TO DISTRIBUTORS:

## SERVICE

When using Brighton's 148 product lines you will have "Off The Shelf" availability for 15,000 different lengths, diameters, head styles and materials at your fingertips. Same day dispatch of your orders is a standard that Brighton-Best subscribes to world-wide.

## QUALITY ASSURANCE

Brighton-Best alloy and stainless steel socket screws and alloy hexagon bolts are produced by the cold-forming process to guarantee continuous grain flow and superior quality. Diameters 1-1/8" and larger are hot-forged with the help of controlled induction heating. Chemical, Physical, and Mechanical specifications are on file and available on request.

## TRACEABILITY

The most modern testing equipment is used on an on going basis during production runs to guarantee the quality Brighton-Best has produced for over 75 years. Rockwell hardness, tensile testing and carburization analysis are only a few of the tests performed on Brighton-Best socket screws to guarantee the end-user a quality tested product. Certification of these tests are kept on file.

## ENGINEERING STANDARDS

Only the finest grade of steels and the most modern heat-treating facilities are used to produce Brighton-Best quality products. Our socket screws are manufactured to meet the rigid specifications demanded by BS, DIN, ISO and ANSI Standards. Critical controls are used throughout the entire manufacturing process assuring a premier socket screw product upon completion.

## DIVERSIFICATION

Since our founding in 1925, Brighton-Best has been committed to providing our distributors with the finest quality socket products. Brighton products are associated with the ever-changing technological advances in industry. Our socket screws can be found in use at aerospace and aeronautical plants, in computers, construction and mining operations. Wherever there's a need for socket screws you will find Brighton-Best products in use. Brighton socket screws are stocked in varying metals including alloy, 304 stainless (A-2), 316 stainless (A-4), monel, brass and silicon bronze meeting the ever-changing needs of our industry.

## PACKAGING

Sturdy, tamper-proof packages with unique bar-coding guarantees the integrity of Brighton socket screws. Manageable box quantities will increase your sales and reduce your inventory costs. Sophisticated packaging equipment are used exclusively guaranteeing accurate counts for each box of socket screws. The label on our box offers a clear pictorial description of size, type, material and count. All packages are factory-sealed and barcoded to prevent tampering.



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Telephone: (02) 9756 0921 Facsimile: (02) 9756 0897



Queensland: 47 Moreton Street, Heathwood 4110  
Telephone: (07) 3372 1890 Facsimile: (07) 3714 9821



Western Australia: 1/253 Berringarra Avenue, Malaga 6090  
Telephone: (08) 9248 4733 Facsimile: (08) 9248 4766



New Zealand: 3 Botha Rd, Penrose, Auckland New Zealand  
Telephone: 00649 5795256 Facsimile: 00649 5795328

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**BRIGHTON BEST**



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