



# PRICE LIST

DFL-11, w.e.f. Oct, 2018

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# Hex Bolts

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# Hex Head Bolts / Screws

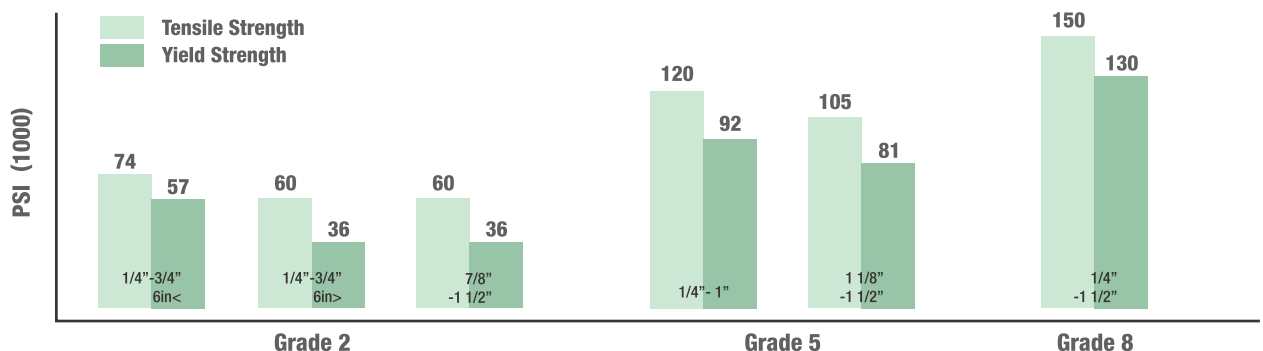
## In-house Destructive And Non destructive Testing:

- Chemical product check analysis
- Heat treatment tests
- Room temprature tension tests (or at 0° C)
- Low temperature impact tests (upto -196° c)
- X-Ray Fluorescence Analysis
- Hardness tests
- UTS test
- Proof load test
- Macrotech tests
- Microtech tests
- Grains size
- Decarburization tests
- Ultra soud testing
- M.P.I tests
- Stress rupture tests

- **ROLLED THREADS** : Rolling threads results in best quality highest -strength thread because of; (1) more accurate and uniform thread dimensions, giving a better fit between threaded parts and fewer concentrated loads at points of misfit; (2) smoother thread surfaces &, thus, fewer scratches and other markings to initiate cracks, or galling; and (3) higher yield, tensile, & shear properties to better withstand service loads.
- **ECONOMY** : Fewer high strength bolts are required than M. S. bolts and rivets. Drilling of close holes is not required. Overall weight the structure will be very light.
- **SIMPLICITY** : A minimum of skill is required in tightening and the operators need only to follow a few simple rules.



## Comparison of Different Grades





## 10.g Hex Head Bolts/Screws

Metric

DIA	M4			M5			M6			M8		
Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
8	550616	<b>320</b>	500				550628	<b>503</b>	500			
10	170001	<b>287</b>	500	170013	<b>304</b>	500	170029	<b>393</b>	500	550642	<b>710</b>	500
12	170002	<b>297</b>	500	170014	<b>308</b>	500	170030	<b>416</b>	500	170049	<b>600</b>	500
16	170003	<b>488</b>	500	170015	<b>487</b>	500	170031	<b>430</b>	500	170050	<b>608</b>	200
18	170004	<b>488</b>	500	170016	<b>499</b>	500	170032	<b>436</b>	500	170051	<b>548</b>	200
20	170005	<b>422</b>	500	170017	<b>402</b>	500	170033	<b>430</b>	500	170052	<b>548</b>	200
22	170006	<b>428</b>	500	170018	<b>427</b>	500	170034	<b>442</b>	500	170053	<b>620</b>	200
25	170007	<b>428</b>	500	170019	<b>422</b>	500	170035	<b>444</b>	500	170054	<b>601</b>	200
30	170008	<b>427</b>	500	170020	<b>455</b>	500	170036	<b>465</b>	500	170055	<b>673</b>	200
35	170009	<b>439</b>	500	170021	<b>460</b>	500	170037	<b>498</b>	200	170056	<b>789</b>	200
40	170010	<b>466</b>	500	170022	<b>488</b>	500	170038	<b>523</b>	200	170057	<b>836</b>	200
45	170011	<b>525</b>	500	170023	<b>533</b>	500	170039	<b>555</b>	200	170058	<b>904</b>	200
50	170012	<b>583</b>	500	170024	<b>641</b>	500	170040	<b>595</b>	200	170059	<b>984</b>	200
55	240001	<b>641</b>	500	170025	<b>675</b>	500	170041	<b>653</b>	200	170060	<b>1,078</b>	100
60	240002	<b>700</b>	500	170026	<b>736</b>	200	170042	<b>714</b>	200	170061	<b>1,216</b>	100
65				170027	<b>836</b>	200	170043	<b>775</b>	100	170062	<b>1,255</b>	100
70				170028	<b>902</b>	200	170044	<b>835</b>	100	170063	<b>1,355</b>	100
75				240003	<b>967</b>	200	170045	<b>842</b>	100	170064	<b>1,397</b>	100
80							170046	<b>887</b>	100	170065	<b>1,448</b>	100
90							170047	<b>1,000</b>	100	170066	<b>1,872</b>	100
100							170048	<b>1,111</b>	100	170067	<b>2,255</b>	50
110							551178	<b>1,709</b>	100	240010	<b>3,178</b>	50
120							550866	<b>1,858</b>	100	240011	<b>3,505</b>	50
130							550867	<b>2,002</b>	100	240012	<b>3,837</b>	50
140							550868	<b>2,149</b>	100	550872	<b>4,246</b>	50
150							550869	<b>2,295</b>	100	550873	<b>4,518</b>	50
160										787951	<b>4,777</b>	50
170										787952	<b>5,024</b>	50
180										787953	<b>5,308</b>	50
190										787954	<b>5,555</b>	50
200										787955	<b>5,815</b>	50

Grey highlighted items are full threaded

- Specifications :** Generally conforming to IS 1364, ISO 4014/4017.
- Threads :** ISO Metric 6g as per IS 4218.
- Material and Mechanical Properties :** Property Class 10.9 as per IS 1367.
- Note :** Prices for fully threaded screws beyond shaded sizes will cost 10% extra.
- Orders for Property class 8.8 can be accepted subject to our confirmation on the basis of item wise quantities. Price list for 8.8 available separately.
- Upto 80mm Diameter can be manufactured against request.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Bolts/Screws as per DIN 931/933 will be manufactured against specific order with minimum order quantity of each size.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## 10.9 Hex Head Bolts/Screws

Metric

DIA	M10			M12			M14			M16			
	Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
16	170068	<b>1,026</b>	200	550673	<b>1,911</b>	100							
18	170069	<b>1,020</b>	200										
20	170070	<b>962</b>	200	170093	<b>1,580</b>	100					170142	<b>3,573</b>	50
22	170071	<b>1,059</b>	200								170143	<b>3,573</b>	50
25	170072	<b>1,040</b>	200	170094	<b>1,716</b>	100	170121	<b>2,728</b>	50		170144	<b>3,599</b>	25
30	170073	<b>1,123</b>	100	170095	<b>1,703</b>	100	170122	<b>2,942</b>	50		170145	<b>3,943</b>	25
35	170074	<b>1,181</b>	100	170096	<b>1,798</b>	100	170123	<b>3,059</b>	25		170146	<b>3,943</b>	25
40	170075	<b>1,433</b>	100	170097	<b>2,047</b>	100	170124	<b>3,272</b>	25		170147	<b>3,903</b>	25
45	170076	<b>1,663</b>	100	170098	<b>2,271</b>	50	170125	<b>3,533</b>	25		170148	<b>4,138</b>	25
50	170077	<b>1,703</b>	100	170099	<b>2,428</b>	50	170126	<b>3,917</b>	25		170149	<b>4,446</b>	25
55	170078	<b>1,773</b>	100	170100	<b>2,604</b>	50	170127	<b>4,004</b>	25		170150	<b>4,942</b>	25
60	170079	<b>1,947</b>	100	170101	<b>2,716</b>	50	170128	<b>4,183</b>	25		170151	<b>5,213</b>	25
65	170080	<b>2,053</b>	50	170102	<b>2,839</b>	50	170129	<b>4,413</b>	25		170152	<b>5,346</b>	25
70	170081	<b>2,158</b>	50	170103	<b>3,210</b>	50	170130	<b>4,681</b>	25		170153	<b>5,704</b>	25
75	170082	<b>2,307</b>	50	170104	<b>3,325</b>	50	170131	<b>4,909</b>	25		170154	<b>6,117</b>	25
80	170083	<b>2,655</b>	50	170105	<b>3,528</b>	50	170132	<b>5,197</b>	25		170155	<b>7,020</b>	25
90	170084	<b>2,944</b>	50	170106	<b>3,800</b>	25	170133	<b>5,693</b>	25		170156	<b>7,501</b>	25
100	170085	<b>3,384</b>	50	170107	<b>4,439</b>	25	170134	<b>6,552</b>	25		170157	<b>7,785</b>	15
110	170086	<b>3,906</b>	50	170108	<b>4,848</b>	25	170135	<b>7,123</b>	25		170158	<b>8,636</b>	15
120	170087	<b>4,252</b>	25	170109	<b>5,138</b>	25	170136	<b>7,909</b>	25		170159	<b>9,865</b>	15
130	170088	<b>4,776</b>	50	170110	<b>5,431</b>	25	170137	<b>8,561</b>	25		170160	<b>11,601</b>	15
140	170089	<b>5,299</b>	50	170111	<b>6,445</b>	25	170138	<b>11,085</b>	25		170161	<b>11,760</b>	15
150	170090	<b>5,677</b>	30	170112	<b>8,610</b>	25	170139	<b>12,236</b>	25		170162	<b>13,384</b>	15
160	170091	<b>6,054</b>	25	170113	<b>9,027</b>	20	170140	<b>13,663</b>	25		170163	<b>14,536</b>	15
180	170092	<b>6,811</b>	25	170114	<b>9,813</b>	20	170141	<b>14,659</b>	25		170164	<b>16,348</b>	15
200	550876	<b>7,568</b>	25	170115	<b>12,968</b>	25	550887	<b>16,287</b>	25		170165	<b>17,697</b>	10
220				170116	<b>18,649</b>	25	550888	<b>22,230</b>	20		170166	<b>22,875</b>	10
240				170117	<b>19,109</b>	20	550889	<b>24,045</b>	20		170167	<b>24,617</b>	10
260				170118	<b>19,520</b>	20	550890	<b>25,860</b>	20		170168	<b>25,116</b>	10
280				170119	<b>21,317</b>	18	550891	<b>27,845</b>	18		170169	<b>27,727</b>	10
300				170120	<b>22,839</b>	18	550892	<b>29,716</b>	18		170170	<b>35,643</b>	10

Grey highlighted items are full threaded

- 1. Specifications :** Generally conforming to IS 1364, ISO 4014/4017.
- 2. Threads :** ISO Metric 6g as per IS 4218.
- 3. Material and Mechanical Properties :** Property Class 10.9 as per IS 1367.
- 4. Note :** Prices for fully threaded screws beyond shaded sizes will cost 10% extra.
- Orders for Property class 8.8 can be accepted subject to our confirmation on the basis of item wise quantities. Price list for 8.8 available separately.
- Upto 80mm Diameter can be manufactured against request.
- 7. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
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## 10.9 Hex Head Bolts/Screws

Metric

DIA	M18			M20			M22		
Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
30				550751	<b>8,125</b>	25			
35	550735	<b>6,516</b>	25	170190	<b>7,843</b>	25			
40	170171	<b>7,007</b>	25	170191	<b>7,843</b>	25	550775	<b>10,628</b>	10
45	170172	<b>7,303</b>	25	170192	<b>8,216</b>	25	550776	<b>11,286</b>	10
50	170173	<b>7,529</b>	25	170193	<b>8,157</b>	25	170215	<b>11,630</b>	10
55	170174	<b>8,043</b>	25	170194	<b>9,264</b>	25	170216	<b>12,525</b>	10
60	170175	<b>8,296</b>	25	170195	<b>9,395</b>	25	170217	<b>12,935</b>	10
65	170176	<b>8,575</b>	25	170196	<b>9,509</b>	10	170218	<b>13,852</b>	10
70	170177	<b>9,367</b>	25	170197	<b>9,623</b>	10	170219	<b>14,333</b>	10
75	170178	<b>9,914</b>	10	170198	<b>10,676</b>	10	170220	<b>14,826</b>	10
80	170179	<b>9,933</b>	10	170199	<b>10,991</b>	10	170221	<b>15,428</b>	10
90	170180	<b>10,552</b>	10	170200	<b>11,680</b>	10	170222	<b>16,433</b>	10
100	170181	<b>11,692</b>	10	170201	<b>12,439</b>	10	170223	<b>17,528</b>	10
110	170182	<b>12,326</b>	10	170202	<b>14,000</b>	10	170224	<b>19,081</b>	10
120	170183	<b>13,601</b>	10	170203	<b>14,904</b>	10	170225	<b>20,395</b>	10
130	170184	<b>14,222</b>	10	170204	<b>16,217</b>	10	170226	<b>21,490</b>	10
140	170185	<b>14,843</b>	10	170205	<b>17,306</b>	10	170227	<b>22,566</b>	10
150	170186	<b>15,895</b>	10	170206	<b>17,009</b>	10	170228	<b>23,626</b>	10
160	170187	<b>17,117</b>	10	170207	<b>20,250</b>	10	170229	<b>26,951</b>	5
180	170188	<b>18,990</b>	10	170208	<b>23,709</b>	10	170230	<b>29,269</b>	5
200	170189	<b>20,517</b>	10	170209	<b>25,551</b>	10	170231	<b>31,623</b>	5
220	240020	<b>22,568</b>	10	170210	<b>35,450</b>	5	170232	<b>48,573</b>	5
240	240021	<b>24,623</b>	10	170211	<b>37,227</b>	5	170233	<b>52,616</b>	5
260	240022	<b>26,675</b>	10	170212	<b>39,006</b>	6	170234	<b>54,639</b>	5
280	240023	<b>28,727</b>	8	170213	<b>42,553</b>	6	170235	<b>60,730</b>	5
300	240024	<b>30,779</b>	8	170214	<b>46,081</b>	6	170236	<b>65,069</b>	5

Grey highlighted items are full threaded

- Specifications :** Generally conforming to IS 1364, ISO 4014/4017.
- Threads :** ISO Metric 6g as per IS 4218.
- Material and Mechanical Properties :** Property Class 10.9 as per IS 1367.
- Note :** Prices for fully threaded screws beyond shaded sizes will cost 10% extra.
- Orders for Property class 8.8 can be accepted subject to our confirmation on the basis of item wise quantities. Price list for 8.8 available separately.
- Upto 80mm Diameter can be manufactured against request.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Bolts/Screws as per DIN 931/933 will be manufactured against specific order with minimum order quantity of each size.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## 10.9 Hex Head Bolts/Screws

Metric

DIA	M24			M27			M30		
Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
40	550791	<b>16,836</b>	10						
45	550792	<b>17,871</b>	10						
50	170237	<b>14,662</b>	10	170259	<b>29,392</b>	5	170281	<b>38,960</b>	5
55	170238	<b>14,030</b>	10	170260	<b>29,392</b>	5	170282	<b>38,960</b>	5
60	170239	<b>15,264</b>	10	170261	<b>29,392</b>	5	170283	<b>38,960</b>	5
65	170240	<b>15,795</b>	10	170262	<b>29,392</b>	5	170284	<b>38,960</b>	5
70	170241	<b>16,743</b>	10	170263	<b>29,392</b>	5	170285	<b>38,960</b>	5
75	170242	<b>17,346</b>	10	170264	<b>31,608</b>	5	170286	<b>38,960</b>	5
80	170243	<b>18,967</b>	10	170265	<b>33,075</b>	5	170287	<b>40,544</b>	5
90	170244	<b>20,253</b>	10	170266	<b>36,009</b>	5	170288	<b>44,010</b>	5
100	170245	<b>21,906</b>	10	170267	<b>38,960</b>	5	170289	<b>47,362</b>	5
110	170246	<b>22,896</b>	5	170268	<b>42,012</b>	5	170290	<b>52,097</b>	5
120	170247	<b>24,029</b>	10	170269	<b>43,077</b>	5	170291	<b>53,248</b>	5
130	170248	<b>25,342</b>	5	170270	<b>44,495</b>	5	170292	<b>55,646</b>	5
140	170249	<b>26,548</b>	5	170271	<b>47,312</b>	5	170293	<b>59,097</b>	5
150	170250	<b>27,845</b>	5	170272	<b>50,130</b>	5	170294	<b>62,416</b>	3
160	170251	<b>33,250</b>	5	170273	<b>55,364</b>	5	170295	<b>70,617</b>	3
170	240025	<b>34,700</b>	5	550941	<b>58,305</b>	5	550947	<b>74,182</b>	3
180	170252	<b>36,151</b>	5	170274	<b>61,249</b>	5	170296	<b>77,770</b>	3
190	240026	<b>37,576</b>	5						
200	170253	<b>39,001</b>	5	170275	<b>66,716</b>	5	170297	<b>84,838</b>	5
220	170254	<b>55,912</b>	5	170276	<b>91,940</b>	4	170298	<b>102,359</b>	3
240	170255	<b>57,915</b>	5	170277	<b>99,141</b>	4	170299	<b>109,562</b>	3
260	170256	<b>59,920</b>	4	170278	<b>105,643</b>	3	170300	<b>116,778</b>	3
280	170257	<b>65,898</b>	4	170279	<b>112,128</b>	3	170301	<b>123,981</b>	2
300	170258	<b>80,560</b>	4	170280	<b>117,389</b>	3	170302	<b>131,167</b>	2

Grey highlighted items are full threaded

- 1. Specifications :** Generally conforming to IS 1364, ISO 4014/4017.
- 2. Threads :** ISO Metric 6g as per IS 4218.
- 3. Material and Mechanical Properties :** Property Class 10.9 as per IS 1367.
- 4. Note :** Prices for fully threaded screws beyond shaded sizes will cost 10% extra.
- Orders for Property class 8.8 can be accepted subject to our confirmation on the basis of item wise quantities.  
Price list for 8.8 available separately.
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- Bolts/Screws as per DIN 931/933 will be manufactured against specific order with minimum order quantity of each size.
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## 10.g Hex Head Bolts/Screws

Metric

DIA	M33			M36			M42			M48			
	Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
70				550845	<b>69,451</b>	5							
75	170303	<b>53,480</b>	5	550846	<b>66,373</b>	5	631194	<b>97,297</b>	4				
80	170304	<b>56,548</b>	5	170320	<b>67,650</b>	5	550858	<b>100,774</b>	3				
90	170305	<b>59,981</b>	5	170321	<b>72,802</b>	3	170336	<b>106,760</b>	3				
100	170306	<b>64,233</b>	5	170322	<b>75,735</b>	3	170337	<b>112,895</b>	2	787845	<b>157,001</b>	2	
110	170307	<b>69,067</b>	4	170323	<b>80,886</b>	4	170338	<b>119,065</b>	2	787846	<b>165,629</b>	2	
120	170308	<b>70,718</b>	4	170324	<b>82,454</b>	3	170339	<b>119,981</b>	2	787847	<b>166,602</b>	2	
130	170309	<b>74,519</b>	4	170325	<b>86,773</b>	3	170340	<b>125,048</b>	10	787848	<b>173,544</b>	2	
140	170310	<b>79,137</b>	4	170326	<b>91,723</b>	3	170341	<b>132,007</b>	10	550980	<b>193,864</b>	2	
150	170311	<b>83,671</b>	4	170327	<b>96,640</b>	3	170342	<b>138,951</b>	9	787849	<b>202,637</b>	2	
160	170312	<b>87,572</b>	4	170328	<b>106,193</b>	3	170343	<b>145,904</b>	9	787850	<b>211,472</b>	2	
180	170313	<b>95,891</b>	3	170329	<b>123,147</b>	2	170344	<b>159,157</b>	8	550981	<b>229,078</b>	2	
200	170314	<b>104,309</b>	3	170330	<b>133,484</b>	2	170345	<b>166,357</b>	7	550982	<b>237,402</b>	2	
220	170315	<b>126,151</b>	3	170331	<b>160,041</b>	2	170346	<b>213,386</b>	7	550983	<b>301,764</b>	2	
240	170316	<b>135,451</b>	2	170332	<b>171,568</b>	9	170347	<b>229,224</b>	6	550984	<b>321,872</b>	2	
260	170317	<b>145,604</b>	2	170333	<b>183,080</b>	8	170348	<b>245,111</b>	6	787851	<b>341,980</b>	2	
280	170318	<b>155,706</b>	2	170334	<b>194,616</b>	8	170349	<b>260,967</b>	6	551123	<b>362,088</b>	2	
300	170319	<b>165,792</b>	2	170335	<b>233,624</b>	7	170350	<b>276,812</b>	6	551143	<b>382,196</b>	2	

Grey highlighted items are full threaded

- Specifications :** Generally conforming to IS 1364, ISO 4014/4017.
- Threads :** ISO Metric 6g as per IS 4218.
- Material and Mechanical Properties :** Property Class 10.9 as per IS 1367.
- Note :** Prices for fully threaded screws beyond shaded sizes will cost 10% extra.
- Orders for Property class 8.8 can be accepted subject to our confirmation on the basis of item wise quantities. Price list for 8.8 available separately.
- Upto 80mm Diameter can be manufactured against request.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Bolts/Screws as per DIN 931/933 will be manufactured against specific order with minimum order quantity of each size.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.

Important \* long delivery items-subject to extended deliveries ( 3 to 4 months ).  
Users are advised to plan their requirements in advance.





## Gr. 8 Hex Head Bolts/Screws

Inch(UNC)

DIA	1/4			5/16			3/8			1/2			
	Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
1/2	170351	<b>471</b>	500	170364	<b>628</b>	500	170381	<b>1,010</b>	200				
5/8	170352	<b>584</b>	500	170365	<b>601</b>	500	170382	<b>1,010</b>	200				
3/4	170353	<b>531</b>	500	170366	<b>579</b>	200	170383	<b>881</b>	200	170400	<b>1,897</b>	100	
7/8	170354	<b>479</b>	500	170367	<b>633</b>	200	170384	<b>1,064</b>	200	170401	<b>1,883</b>	100	
1	170355	<b>523</b>	200	170368	<b>630</b>	200	170385	<b>869</b>	200	170402	<b>1,999</b>	100	
1 1/4	170356	<b>535</b>	200	170369	<b>693</b>	200	170386	<b>971</b>	200	170403	<b>2,230</b>	100	
1 1/2	170357	<b>593</b>	200	170370	<b>844</b>	200	170387	<b>1,097</b>	100	170404	<b>2,380</b>	50	
1 3/4	170358	<b>649</b>	200	170371	<b>946</b>	200	170388	<b>1,280</b>	100	170405	<b>2,559</b>	25	
2	170359	<b>712</b>	200	170372	<b>1,007</b>	200	170389	<b>1,406</b>	100	170406	<b>2,785</b>	25	
2 1/4	170360	<b>782</b>	200	170373	<b>1,108</b>	100	170390	<b>1,540</b>	100	170407	<b>3,075</b>	25	
2 1/2	170361	<b>871</b>	200	170374	<b>1,216</b>	100	170391	<b>1,690</b>	100	170408	<b>3,274</b>	25	
2 3/4	170362	<b>957</b>	200	170375	<b>1,314</b>	100	170392	<b>1,883</b>	100	170409	<b>3,545</b>	25	
3	170363	<b>1,046</b>	200	170376	<b>1,383</b>	100	170393	<b>1,995</b>	100	170410	<b>3,976</b>	25	
3 1/4	240027	<b>1,205</b>	200	170377	<b>1,476</b>	100	170394	<b>2,206</b>	50	170411	<b>4,264</b>	25	
3 1/2	240028	<b>1,219</b>	200	170378	<b>1,590</b>	100	170395	<b>2,267</b>	50	170412	<b>4,411</b>	25	
3 3/4	240029	<b>1,301</b>	100	170379	<b>1,963</b>	100	170396	<b>2,779</b>	25	170413	<b>4,641</b>	25	
4	240030	<b>1,395</b>	100	170380	<b>2,169</b>	100	170397	<b>2,987</b>	25	170414	<b>4,835</b>	25	
4 1/4				551064	<b>2,314</b>	100	170398	<b>3,322</b>	25	170415	<b>5,135</b>	25	
4 1/2	787956	<b>1,554</b>	100	551065	<b>2,440</b>	100	170399	<b>3,516</b>	25	170416	<b>5,594</b>	25	
5	551063	<b>1,718</b>	100	551066	<b>2,710</b>	100	240034	<b>3,906</b>	50	170417	<b>6,110</b>	25	
5 1/2				787957	<b>2,961</b>	100	240035	<b>4,297</b>	50	170418	<b>7,459</b>	25	
6				787958	<b>3,210</b>	100	240036	<b>4,687</b>	50	170419	<b>9,057</b>	25	
6 1/2										240037	<b>11,126</b>	25	
7										170420	<b>13,607</b>	20	
7 1/2										170421	<b>14,583</b>	25	
8										170422	<b>15,554</b>	25	

Grey highlighted items are full threaded

1. **Specifications** : Generally conforming to ANSI B 18.2.1

2. **Threads** : Unified Coarse, 2A as per ANSI B1.1.

3. **Material & Mechanical Properties** : Grade 8 as per SAE J 429

4. **Note** : Non-shaded sizes if required in full thread will cost 10% extra.

: Upto 4 Inch Dia can be manufactured against request.

5. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

6. For Hex Bolt/Screws BSW, above prices will apply.

7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Gr. 8 Hex Head Bolts/Screws

Inch(UNC)

DIA	5/8			3/4			7/8			1			
	Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
1	170423	<b>3,494</b>	25										
1 1/4	170424	<b>3,900</b>	25	551032	<b>6,749</b>	25							
1 1/2	170425	<b>4,091</b>	25	170445	<b>7,179</b>	25	551044	<b>15,561</b>	10	170487	<b>15,686</b>	10	
1 3/4	170426	<b>4,364</b>	25	170446	<b>7,452</b>	25	787988	<b>17,093</b>	10	170488	<b>15,686</b>	10	
2	170427	<b>4,585</b>	25	170447	<b>7,939</b>	25	170467	<b>18,773</b>	10	170489	<b>16,488</b>	10	
2 1/4	170428	<b>4,992</b>	25	170448	<b>8,720</b>	25	170468	<b>18,773</b>	10	170490	<b>17,127</b>	10	
2 1/2	170429	<b>5,462</b>	25	170449	<b>9,148</b>	25	170469	<b>15,136</b>	10	170491	<b>17,913</b>	10	
2 3/4	170430	<b>5,903</b>	25	170450	<b>9,979</b>	10	170470	<b>15,136</b>	10	170492	<b>19,099</b>	10	
3	170431	<b>6,363</b>	25	170451	<b>10,371</b>	10	170471	<b>15,858</b>	10	170493	<b>20,918</b>	10	
3 1/4	170432	<b>6,776</b>	25	170452	<b>10,826</b>	10	170472	<b>17,488</b>	10	170494	<b>21,728</b>	10	
3 1/2	170433	<b>7,177</b>	25	170453	<b>11,702</b>	10	170473	<b>17,488</b>	10	170495	<b>22,642</b>	10	
3 3/4	170434	<b>7,938</b>	25	170454	<b>12,561</b>	10	170474	<b>18,762</b>	10	170496	<b>24,923</b>	10	
4	170435	<b>8,148</b>	25	170455	<b>13,143</b>	10	170475	<b>19,657</b>	10	170497	<b>24,923</b>	10	
4 1/4	170436	<b>8,432</b>	25	170456	<b>13,466</b>	10	170476	<b>20,839</b>	10	170498	<b>27,479</b>	10	
4 1/2	170437	<b>8,747</b>	25	170457	<b>14,090</b>	10	170477	<b>21,831</b>	10	170499	<b>27,479</b>	5	
5	170438	<b>9,846</b>	25	170458	<b>14,987</b>	10	170478	<b>23,491</b>	10	170500	<b>30,662</b>	5	
5 1/2	170439	<b>11,327</b>	20	170459	<b>16,831</b>	10	170479	<b>24,747</b>	10	170501	<b>33,140</b>	5	
6	170440	<b>11,874</b>	10	170460	<b>17,278</b>	10	170480	<b>26,267</b>	10	170502	<b>34,674</b>	5	
6 1/2	170441	<b>13,853</b>	10	170461	<b>18,671</b>	10	170481	<b>27,720</b>	5	170503	<b>37,602</b>	5	
7	170442	<b>14,920</b>	10	170462	<b>18,671</b>	10	170482	<b>30,598</b>	5	170504	<b>40,528</b>	5	
7 1/2	170443	<b>15,985</b>	10	170463	<b>20,062</b>	10	170483	<b>32,181</b>	5	170505	<b>43,365</b>	5	
8	170444	<b>16,276</b>	10	170464	<b>21,983</b>	10	170484	<b>33,600</b>	5	170506	<b>45,372</b>	5	
9	551069	<b>18,310</b>	10	170465	<b>22,982</b>	10	170485	<b>38,178</b>	5	170507	<b>51,026</b>	5	
10	551070	<b>20,347</b>	10	170466	<b>25,857</b>	8	170486	<b>39,946</b>	5	170508	<b>55,953</b>	4	
11				240038	<b>27,482</b>	8				170509	<b>58,753</b>	4	
12				551222	<b>29,979</b>	8				170510	<b>64,093</b>	4	

Grey highlighted items are full threaded

1. **Specifications** : Generally conforming to ANSI B 18.2.1

2. **Threads** : Unified Coarse, 2A as per ANSI B1.1.

3. **Material & Mechanical Properties** : Grade 8 as per SAE J 429

4. **Note** : Non-shaded sizes if required in full thread will cost 10% extra.

: Upto 4 Inch Dia can be manufactured against request.

5. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

6. For Hex Bolt/Screws BSW, above prices will apply.

7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Gr. 8 Hex Head Bolts/Screws

Inch(UNC)

DIA	1 1/8			1 1/4			1 3/8		
Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
1	170511	<b>17,618</b>	5						
1 1/4	170512	<b>19,108</b>	5						
1 1/2	170513	<b>20,851</b>	10						
1 3/4	170514	<b>21,557</b>	10						
2	170515	<b>23,214</b>	10						
2 1/4	170516	<b>24,880</b>	5	551302	<b>32,914</b>	5			
2 1/2	170517	<b>26,301</b>	5	170534	<b>34,832</b>	5	170551	<b>42,176</b>	5
2 3/4	170518	<b>27,720</b>	5	170535	<b>36,486</b>	5	170552	<b>44,068</b>	5
3	170519	<b>29,376</b>	5	551062	<b>38,142</b>	5	170553	<b>46,203</b>	5
3 1/4	170520	<b>31,041</b>	5	170537	<b>40,278</b>	5	170554	<b>48,808</b>	5
3 1/2	170521	<b>32,459</b>	5	170538	<b>42,176</b>	5	170555	<b>51,180</b>	5
3 3/4	170522	<b>34,116</b>	5	170539	<b>44,304</b>	5	170556	<b>53,784</b>	5
4	170523	<b>35,772</b>	5	170540	<b>46,203</b>	4	170557	<b>56,155</b>	5
4 1/4	170524	<b>37,435</b>	5	170541	<b>48,094</b>	5	170558	<b>58,761</b>	4
4 1/2	170525	<b>39,093</b>	5	170542	<b>50,229</b>	4	170559	<b>61,131</b>	4
5	170526	<b>42,176</b>	5	170543	<b>54,256</b>	5	170560	<b>66,108</b>	4
5 1/2	170527	<b>45,489</b>	5	170544	<b>58,046</b>	3	170561	<b>71,083</b>	3
6	170528	<b>48,573</b>	5	170545	<b>62,080</b>	4	170562	<b>76,059</b>	3
6 1/2				551072	<b>66,780</b>	3			
7	170529	<b>54,971</b>	3	170546	<b>69,897</b>	3	170563	<b>85,776</b>	3
7 1/2	170530	<b>58,046</b>	5	170547	<b>73,689</b>	3	170564	<b>90,752</b>	3
8	170531	<b>61,366</b>	3	170548	<b>77,714</b>	3	170565	<b>95,728</b>	3
9	170532	<b>85,776</b>	4	170549	<b>85,776</b>	3	170566	<b>105,678</b>	2
10	170533	<b>74,160</b>	3	170550	<b>93,591</b>	3	170567	<b>115,630</b>	2

Grey highlighted items are full threaded

1. **Specifications** : Generally conforming to ANSI B 18.2.1

2. **Threads** : Unified Coarse, 2A as per ANSI B1.1.

3. **Material & Mechanical Properties** : Grade 8 as per SAE J 429

4. **Note** : Non-shaded sizes if required in full thread will cost 10% extra.

: Upto 4 Inch Dia can be manufactured against request.

5. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

6. For Hex Bolt/Screws BSW, above prices will apply.

7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Gr. 8 Hex Head Bolts/Screws

Inch(UNC)

DIA	1 1/2			1 3/4			2		
Length	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty	Part No.	₹ Price/ 100 pcs	Box Qty
2 1/2	170568	<b>53,070</b>	5	170585	<b>85,709</b>	3	170602	<b>119,992</b>	2
2 3/4	170569	<b>55,677</b>	5	170586	<b>89,339</b>	3	170603	<b>124,921</b>	2
3	170570	<b>58,290</b>	5	170587	<b>92,979</b>	3	170604	<b>129,601</b>	2
3 1/4	170571	<b>60,652</b>	4	170588	<b>96,876</b>	2	170605	<b>134,530</b>	2
3 1/2	170572	<b>63,737</b>	4	170589	<b>100,505</b>	2	170606	<b>139,468</b>	2
3 3/4	170573	<b>66,579</b>	4	170590	<b>104,402</b>	2	170607	<b>144,406</b>	2
4	170574	<b>69,661</b>	3	170591	<b>108,824</b>	2	170608	<b>149,336</b>	2
4 1/4	170575	<b>72,504</b>	3	170592	<b>113,238</b>	2	170609	<b>154,275</b>	2
4 1/2	170576	<b>75,586</b>	3	170593	<b>117,650</b>	2	170610	<b>159,986</b>	2
5	170577	<b>81,504</b>	3	170594	<b>126,486</b>	2	170611	<b>171,679</b>	2
5 1/2	170578	<b>87,431</b>	3	170595	<b>135,313</b>	2	170612	<b>183,102</b>	2
6	170579	<b>93,357</b>	2	170596	<b>144,149</b>	2	170613	<b>194,793</b>	2
7	170580	<b>104,729</b>	2	170597	<b>161,284</b>	2	170614	<b>216,866</b>	2
7 1/2	170581	<b>110,653</b>	3	170598	<b>169,853</b>	2	170615	<b>228,559</b>	2
8	170582	<b>116,579</b>	2	170599	<b>178,945</b>	2	170616	<b>240,241</b>	2
9	170583	<b>128,423</b>	2	170600	<b>196,608</b>	2	170617	<b>263,098</b>	2
10	170584	<b>140,274</b>	2	170601	<b>214,269</b>	2	170618	<b>286,471</b>	2

Grey highlighted items are full threaded

1. **Specifications** : Generally conforming to ANSI B 18.2.1

2. **Threads** : Unified Coarse, 2A as per ANSI B1.1.

3. **Material & Mechanical Properties** : Grade 8 as per SAE J 429

4. **Note** : Non-shaded sizes if required in full thread will cost 10% extra.

: Upto 4 Inch Dia can be manufactured against request.

5. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

6. For Hex Bolt/Screws BSW, above prices will apply.

7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Hex Nuts - ISO 4032 - Class 10

Size (mm)	Grade	Part No.	₹ Price/100 pcs	Pcs. Per Box	Pcs. Per Carton
M4 X 0.7	8	793230	<b>91</b>	1000	18000
M5 X 0.8	8	793201	<b>113</b>	700	12600
M6 X 1	8	550303	<b>153</b>	500	9000
M8 X 1.25	8	550304	<b>209</b>	200	2400
M10 X 1.5	8	550305	<b>404</b>	200	2400
M12 X 1.75	8	550306	<b>631</b>	200	1600
M16 X 2	8	550307	<b>1,310</b>	100	800
M6 X 1	10	170619	<b>182</b>	500	9000
M8 X 1.25	10	170620	<b>239</b>	200	2400
M10 X 1.5	10	170621	<b>461</b>	200	2400
(M12) X 1.5	10	170623	<b>718</b>	200	2400
M12 X 1.75	10	170622	<b>718</b>	200	2400
(M14) X 1.5	10	170625	<b>1,206</b>	100	800
M14 X 2	10	170626	<b>1,206</b>	100	800
M16 X 2	10	170627	<b>1,580</b>	100	800
(M18) X1.5	10	170629	<b>2,372</b>	100	600
M18 X 2.5	10	170630	<b>2,372</b>	100	600
(M20)X 1.5	10	170631	<b>3,037</b>	50	300
M20 X 2.5	10	170632	<b>3,037</b>	50	300
M22 X 2.5	10	170633	<b>4,134</b>	50	200
M24 X 3	10	170634	<b>5,221</b>	50	200
M27 X 3	10	170635	<b>8,430</b>	25	150
M30 X 3.5	10	170636	<b>12,139</b>	25	150
M33 X 3.5	10	170637	<b>16,700</b>	10	80
M36 X 4	10	170638	<b>21,557</b>	10	80
M39 X 4	10	170639	<b>29,404</b>	10	40
M42 X 4.5	10	170640	<b>36,117</b>	10	40
M45 X 4.5	10	170641	<b>43,148</b>	10	40
M48 X 5	10	170642	<b>51,983</b>	10	40
M52 X 5	10	170643	<b>61,548</b>	4	16
M56 X 5.5	10	170644	<b>79,554</b>	4	16
M60 X 5.5	10	550301	<b>149,161</b>	3	12
M64 X 6	10	170645	<b>159,106</b>	3	12
M72 X 6	10	550302	<b>284,865</b>	2	8

1. **Specifications** : Nuts with Metric Threads IS 1364, ISO 4032

2. **Threads** : ISO Metric 6H as per IS 4218, ISO 261, ISO 965.

3. **Material Mechanical Properties** : Property Class as tabulated as per IS 1367, ISO 898, Part-II.

4. **Note** : Size in brackets are non-preferred standards.

5. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

6. Nuts as per DIN934 will be manufactured against specific order with minimum order quantity of each size

7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Hex Nuts

Size	Grade	Part No	₹ Price/100 pcs	Pcs. Per Box	Pcs. Per Carton
1/4	8	170646	<b>167</b>	500	9000
5/16	8	170647	<b>231</b>	500	9000
3/8	8	170648	<b>333</b>	200	2400
7/16	8	170658	<b>760</b>	200	1600
1/2	8	170649	<b>760</b>	200	1600
5/8	8	170650	<b>1,580</b>	200	1600
3/4	8	170651	<b>2,785</b>	50	400
7/8	8	170652	<b>3,753</b>	50	200
1	8	170653	<b>5,898</b>	50	200
1-1/8	8	170654	<b>8,329</b>	25	150
1-1/4	8	170655	<b>11,815</b>	25	100
1-3/8	8	170656	<b>15,090</b>	25	100
1-1/2	8	170657	<b>20,523</b>	10	40

- Specifications :** For Nuts with UNC Threads : (ANSI B 18.2.2).
- Threads :** Unified Coarse, 2B As Per ANSI B1.1.
- Material Mechanical Properties :** Grade as tabulated as per SAE J 995.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Nylock Nut (ISO 7040 Grade-8) Blue Ring (Duly White Zinc Plated)



Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M6	630448	<b>179</b>	500	9000
M8	630449	<b>321</b>	200	2400
M10	630450	<b>709</b>	200	2400
M12	630451	<b>1,015</b>	200	2400
M12X1.5	630452	<b>1,077</b>	200	2400
M14	630453	<b>1,651</b>	100	800
M16	630454	<b>2,136</b>	100	800
M16X1.5	630455	<b>2,187</b>	100	800
M20	630456	<b>4,335</b>	50	300
M20X1.5	630457	<b>4,639</b>	50	300

## Nylock Nut (ISO 7040 Grade-10) Blue Ring (Duly White Zinc Plated)



Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M10	630458	<b>819</b>	200	2400
M12	630459	<b>1,183</b>	200	2400
M16	630460	<b>2,446</b>	100	800
M16 X1.5	630461	<b>2,545</b>	100	800
M20	630462	<b>4,599</b>	50	300
M24	630463	<b>10,235</b>	50	200



**Nylock Nut Din 985,**  
(ISO 10511 Grade-8) Blue Ring  
(Duly White Zinc Plated)



Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M6	290001	<b>124</b>	500	9000
M8	290002	<b>246</b>	200	2400
M10	290003	<b>535</b>	200	2400
M12	290004	<b>783</b>	200	2400
M12 X1.5	290005	<b>841</b>	200	2400
M14	290006	<b>1,287</b>	100	800
M16	560957	<b>1,732</b>	100	800
M16X1.5	630379	<b>1,773</b>	100	800
M20	630380	<b>3,738</b>	50	300
M20 X1.5	630381	<b>3,999</b>	50	300

**Nylock Nut Din 985,**  
(ISO 10511 Grade-10) Blue Ring  
(Duly White Zinc Plated)



Size (mm)	Part No.	₹ Price/ 100 Pcs.	Pcs. Per Box	Pcs. Per Carton
M10	630305	<b>633</b>	200	2400
M12	630306	<b>935</b>	200	2400
M16	290007	<b>1,994</b>	100	800
M16 X 1.5	290008	<b>2,061</b>	100	800
M20	290009	<b>3,970</b>	50	300
M24	290010	<b>8,071</b>	50	200



**All Metal Prevailing Torque Nut**  
DIN 980M, Grade-10 (metal insert)  
(Duly White Zinc Plated)

Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M6	815003	<b>1,126</b>	500	9000
M8	815004	<b>1,251</b>	200	2400
M10	815005	<b>1,389</b>	200	2400
M12	815006	<b>2,024</b>	200	2400
M14	815013	<b>3,066</b>	100	800
M16	814419	<b>4,048</b>	100	800
M20	814420	<b>8,487</b>	50	300
M22	815007	<b>12,144</b>	50	300
M24	814421	<b>18,355</b>	50	300



**All Metal Prevailing Torque Nut**  
DIN 980V / ISO7042, Grade-10  
(Duly White Zinc Plated)

Size (mm)	Part No. DIN	Part No. ISO	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M6	796311		<b>398</b>	500	9000
M8	796314		<b>772</b>	200	2400
M10	816933	796315	<b>1,343</b>	200	2400
M12	816934	796313	<b>2,122</b>	200	2400
M16	796312		<b>4,025</b>	100	800
M20	796310		<b>7,744</b>	50	300
M24	787170		<b>14,648</b>	50	300

**1. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.



## Spring Washer - Square Section

Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton	Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
3MM	171758	<b>14</b>	2000	160000	18MM	171767	<b>220</b>	100	2400
4MM	171759	<b>17</b>	2000	90000	20MM	171768	<b>407</b>	100	1500
5MM	171760	<b>20</b>	2000	48000	22MM	171769	<b>456</b>	50	1000
6MM	171761	<b>22</b>	1000	30000	24MM	171770	<b>606</b>	50	1200
8MM	171762	<b>38</b>	1000	24000	27MM	171771	<b>695</b>	50	700
10MM	171763	<b>67</b>	500	12000	30MM	171772	<b>1,075</b>	50	500
12MM	171764	<b>80</b>	500	7000	33MM	171773	<b>1,266</b>	25	400
14MM	171765	<b>133</b>	200	4800	36MM	171774	<b>1,841</b>	25	350
16MM	171766	<b>199</b>	100	3000	39MM	171775	<b>1,992</b>	25	250



1. **Specifications** : Generally conforming to IS 6735/1972 & DIN 7980

## Spring Washer - Flat Section

Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton	Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
3MM	171776	<b>14</b>	2000	140000	18MM	171785	<b>354</b>	100	1800
4MM	171777	<b>16</b>	2000	120000	20MM	171786	<b>506</b>	100	1400
5MM	171778	<b>21</b>	2000	60000	22MM	171787	<b>573</b>	50	800
6MM	171779	<b>37</b>	1000	32000	24MM	171788	<b>856</b>	50	700
8MM	171780	<b>60</b>	1000	14000	27MM	171789	<b>954</b>	50	700
10MM	171781	<b>87</b>	500	7000	30MM	171790	<b>1,541</b>	50	500
12MM	171782	<b>130</b>	500	5000	33MM	171791	<b>2,465</b>	25	200
14MM	171783	<b>201</b>	200	3200	36MM	171792	<b>2,581</b>	25	350
16MM	171784	<b>305</b>	100	3000	39MM	171793	<b>2,709</b>	25	250



1. **Specifications** : Generally conforming to DIN 127 B, IS 3063 & BS 4464

## Hardened Washer for 10.9 Bolts

Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M12	551111	<b>489</b>	500	4000
M16	551112	<b>855</b>	200	1600
M20	551113	<b>1,296</b>	100	800
M22	631368	<b>1,562</b>	100	800
M24	551114	<b>1,829</b>	100	600
M27	630476	<b>3,067</b>	100	400
M30	630477	<b>3,834</b>	100	400
M36	796066	<b>6,250</b>	100	400



1. **Specifications** : Generally conforming to 300HV - 370HV. For Unbrako Hardened Washer 10.9 Bolts

2. **Plating** : No guarantee can be given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

3. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.





## Hexagon Weld Nut

Size (mm)	Part No.	₹ Price/ 100 pcs	Pcs. Per Box	Pcs. Per Carton
M6	136004	<b>140</b>	500	9000
M8	136001	<b>266</b>	200	2400
M10	136002	<b>490</b>	200	2400
M12	136003	<b>697</b>	200	1600

- 1. Specifications :** Generally conforming to DIN 929. Grade 6
- 2. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 3.** Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.
- 4.** No head marking.



# PRICE LIST

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# Construction

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# Construction Fasteners

## Arc Welding Stud

\*Prices available on request.



The UNBRAKO ARC Welding Stud also known as Shear Connector is used in the construction of tall buildings, bridges and steel structures. Drawn-arc process is used for stud welding. It improves the strength of the structure.

Product Range :  
Metric: M13, M16, M19,  
M22, M25 – Any Length

Inch: 1/2", 5/8", 3/4",  
7/8", 1" – Any Length

## Direct Tension Indicator



UNBRAKO Direct Tension Indicators, also known as Auto Torque Indicators, are single-use mechanical load cells designed to indicate the magnitude of preload in the assembly. It shows if the bolt is properly tensioned, very useful while tensioning High Strength Structural Bolts.

Product Range :  
Metric: M16 – M36 as per  
BS EN 14399-9

Unbrako Feeler Gauge is available to check if the required torque is achieved.

## High Strength Structural Bolt Assembly



Compared to the conventional methods of riveting or welding, UNBRAKO Pre-load bolts maintain the permanent strength of the joint due to reduced stress concentration. Hence, it does not permit loosening, making it most ideal where vibration is involved.

Product Range :  
Metric: M12 to M36  
Any Length

As per BS EN 15048-1/2  
& 14399-3/4 or as  
per IS 3757

## Auto Torque Check Bolt Assembly (TC Bolt)



Unbrako  
Electric  
Shear Wrench

UNBRAKO Auto Torque Check Bolt also known as Tension Control Bolt is an easy to install Heavy Duty Bolt used in Steel Frame Construction. It has its own built-in torque control device. The outer socket of wrench rotates the nut until the torque control groove in the spline shears off on achieving proper bolt tension.

Product Range :  
Metric: M12 – M30  
(any length) – As Per  
BS EN 14399 - 10

Unbrako Electric Shear  
Wrench is also Available.

## Rebar Coupler

The Rebar COUPLER system is a threaded connection of two bars through a threaded sleeve that guarantees an ultimate tensile strength of the splice (joint) greater than that of the parent bar. It is suitable for joining reinforcement bars end to end.



## Total Solution Bolt Assembly Tamper Proof



The Innovative 6 wedge shaped design acts to convert radial force into axial force, increasing pressure onto the contact surface of the application. Even under extreme vibration, bolt does not loosen.



## IS 3757 Heavy Hex Structural Bolts

Metric

DIA	M16			M20			M22		
	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity
40	300001	4,614	25	300021	8,528	25			
45	300002	5,025	25	300022	9,176	25			
50	300003	5,287	25	300023	9,596	25	300041	13,015	10
55	300004	5,460	25	300024	10,022	25	300042	13,385	10
60	300005	5,823	25	300025	10,710	20	300043	13,933	10
65	300006	6,142	25	300026	11,181	20	300044	15,208	10
70	300007	6,490	25	300027	11,582	10	300045	15,931	10
75	300008	6,947	25	300028	12,023	10	300046	16,428	10
80	300009	7,629	25	300029	12,363	10	300047	17,007	10
90	300010	8,000	25	300030	13,140	10	300048	18,697	10
100	300011	8,678	25	300031	13,898	10	300049	19,121	10
110	300012	9,371	25	300032	14,436	10	300050	20,641	10
120	300013	10,335	15	300033	15,658	10	300051	22,007	10
130	300014	11,866	10	300034	16,839	10	300052	23,235	10
140	300015	12,055	10	300035	17,360	10	300053	24,298	10
150	300016	14,294	10	300036	18,296	10	300054	25,478	10
160	300017	15,471	10	300037	21,793	10	300055	28,910	5
170	300018	16,428	10	300038	22,715	10	300056	30,124	5
180	300019	17,386	10	300039	23,641	10	300057	31,334	5
200	300020	19,610	10	300040	26,513	10	300058	33,683	5

- 1. Specifications :** Bolts IS 3757.
- 2. Threads :** Bolts ISO Metric 6g as per IS 4218.
- 3. Material and Mechanical Properties:** Bolts - Property Class 10.9S as per IS 1367.
- 4. Plating :** No guarantee can be given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 5. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



## IS 3757 Heavy Hex Structural Bolts

Metric

DIA	M24			M27			M30			M36		
	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity	International Part No.	₹ Price/ 100 pcs	Box Quantity
55	300059	16,949	10									
60	300060	17,548	10	300076	35,733	5						
65	300061	19,007	10	300077	37,403	5						
70	300062	19,299	10	300078	37,151	5						
75	300063	20,993	10	300079	39,702	5	300092	47,954	5			
80	300064	21,399	10	300080	41,486	5	300093	49,653	5			
90	300065	23,644	5	300081	44,077	5	300094	51,024	5			
100	300066	25,397	5	300082	47,323	5	300095	54,716	5			
110	300067	26,019	5	300083	49,269	5	300096	59,562	5			
120	300068	27,038	5	300084	50,639	5	300097	60,718	5	581151	107,341	5
130	300069	28,212	5	300085	52,089	5	300098	63,635	5	581153	113,474	4
140	300070	29,423	5	300086	55,222	5	300099	67,406	5	581155	119,431	4
150	300071	30,753	5	300087	58,320	5	300100	71,043	5	581157	125,624	4
160	300072	34,945	5	300088	64,235	5	300101	80,223	4	581159	131,522	4
170	300073	37,876	5	300089	70,888	5	300102	88,190	4	581161	137,419	4
180	300074	39,586	5	300090	70,731	5	300103	88,048	4	581163	143,554	4
200	300075	42,530	5	300091	76,759	5	300104	95,787	4	581167	155,113	3
220							581122	103,527	3	581171	166,909	3
240							581126	111,267	3	581175	178,704	3
260							581130	119,008	3	581179	191,090	3
280										581183	202,886	3
300										581186	214,682	3

## IS 6623 Heavy Hex Nuts

Metric

Diameter	M16	M20	M22	M24	M27	M30	M36
International Part No.	131001	131002	131003	131004	131005	131006	581348
₹ Price/100 pcs	2,255	4,566	5,331	7,650	12,377	15,665	27,012
Box Quantity	100	50	50	25	10	10	10

## IS 6649 Structural Washer

Metric

Diameter	M16	M20	M22	M24	M27	M30	M36
International Part No.	132001	132002	132003	132004	132005	132006	581349
₹ Price/100 pcs	1,428	1,787	2,544	2,690	4,325	5,381	8,198
Box Quantity	200	100	100	100	100	100	10

- Specifications :** Bolts IS 3757, Nuts IS 6623, Washers IS 6649.
- Threads :** Bolts ISO Metric 6g as per IS 4218.
- Material and Mechanical Properties :** Bolts - Property Class 10.9S as per IS 1367. Nuts: Property Class 10S as per IS 1367. Washer: Hardness: HRC 38-45 as per IS 6649
- Plating :** No guarantee can be given for Unbrako products which are plated by users or by outside platers, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## High Tensile Track Shoe Bolts & Square Nuts

Suitable for BEML (KOMATSU) Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
130.32.11212	M16 x 1.5 x 57	T.S. Bolt	D50, D50A 15	330001	<b>7,257</b>
130.32.11220	M16 x 1.5	T.S. Sq. Nut	D50, D50A 15	330002	<b>3,674</b>
130.32.11212/130.32.11220	M16 x 1.5 x 57	T.S. Bolt & Sq. Nut	D50, D50A 15	550287	<b>10,931</b>
205.32.51210	M18 x 1.5 x 58	T.S. Bolt	PC220	330003	<b>8,931</b>
01803.01824	M18 x 1.5	T.S. Sq. Nut	Pc220	330004	<b>4,199</b>
205.32.51210/01803.01824	M18 x 1.5 x 58	T.S. Bolt & Sq. Nut	PC220	550288	<b>13,130</b>
150.32.11210	M19 x 1.5 x 65	T.S. Bolt	D80, D80A 12	330005	<b>11,165</b>
150.32.11210/150.32.21311	M19 x 1.5 x 65	T.S. Bolt & Sq. Nut	D80, D80A 12	550289	<b>15,539</b>
113CT51096	M19 x 1.5 x 62	T.S. Bolt	D80, D80A 12	330006	<b>11,165</b>
113CT51096/150.32.21311	M19 x 1.5 x 62	T.S. Bolt & Sq. Nut	D80, D80A 12	550290	<b>15,539</b>
150.32.21311	M19 x 1.5	T.S. Sq. Nut	D80, D80A 12	330007	<b>4,374</b>
207.32.11350	M20 x 1.5 x 63	T.S. Bolt	PC300	330008	<b>12,467</b>
-----	M20 x 1.5	T.S. Sq. Nut	PC300	550308	<b>4,724</b>
207.32.11350	M20 x 1.5 x 63	T.S. Bolt & Sq. Nut	PC300	550291	<b>17,191</b>
176.32.11210	M24 x 1.5 x 78.5	T.S. Bolt	D155	330009	<b>19,910</b>
178.32.11220	M24 x 1.5	T.S. Sq. Nut	D155	330010	<b>7,523</b>
176.32.11210/178.32.11220	M24 x 1.5 x 78.5	T.S. Bolt & Sq. Nut	D155	550292	<b>27,433</b>
195.32.11210	M27 x 1.5 x 82.5	T.S. Bolt	D355	330011	<b>26,051</b>
195.32.11221	M27 x 1.5	T.S. Sq. Nut	D355	330012	<b>10,848</b>
195.32.11210/195.32.11221	M27 x 1.5 x 82.5	T.S. Bolt & Sq. Nut	D355	550294	<b>36,898</b>

Suitable for L & T Poclairn Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
W 00 330.71	5/8" UNFx2.1/4"	T.S. Bolt	90 CK	330017	<b>7,257</b>
K 01345.36	5/8" UNF	T.S. Sq. Nut	90 CK	330018	<b>3,674</b>
W 00 330.71/K 01345.36	5/8" UNFx2.1/4"	T.S. Bolt & Sq. Nut	90 CK	550296	<b>10,931</b>
U 02330-77	7/8" UNFx2.66"	T.S. Bolt	300 CK	330014	<b>15,259</b>
Z 02345-07	7/8" UNF	T.S. Sq. Nut	300 CK	330015	<b>6,473</b>
U 02330-77/Z 02345-07	7/8" UNFx2.66"	T.S. Bolt & Sq. Nut	300 CK	550300	<b>24,523</b>

- 1. Specifications :** Forged from high grade alloy steel.
- 2. Mechanical Properties :** Track Shoe Bolt Grade 12.9, Square Nut HRC 32-38
- 3. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 4. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



## High Tensile Track Shoe Bolts & Square Nuts

Suitable for Caterpillar Earthmovers

Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
7H 3597	5/8" UNF x 2.3/32"	T.S. Bolt	D4, D5	330016	<b>6,885</b>
5M 8756	5/8" UNF x 2.1/4"	T.S. Bolt	D4, D5	330017	<b>7,257</b>
1M 1408	5/8" UNF	T.S. Sq. Nut	D4, D5	330018	<b>3,674</b>
7H 3597/1M 1408	5/8" UNF x 2.3/32"	T.S. Bolt & Sq. Nut	D4, D5	550295	<b>10,559</b>
5M 8756/1M 1408	5/8" UNF x 2.1/4"	T.S. Bolt & Sq. Nut	D4, D5	550296	<b>10,931</b>
7 H3598	3/4" UNF x 2.3/8"	T.S. Bolt	D6, D7	330019	<b>10,979</b>
1S1860	3/4" UNF	T.S. Sq. Nut	D6, D7	330020	<b>4,550</b>
7 H3598/1S1860	3/4" UNF x 2.3/8"	T.S. Bolt & Sq. Nut	D6, D7	550297	<b>15,528</b>
7H 3599	7/8" UNF x 2.66" (2 21/32)	T.S. Bolt	D8	330014	<b>15,259</b>
2S2140	7/8" UNF (2 21/32)	T.S. Sq. Nut	D8	330015	<b>6,473</b>
7H 3599/2S2140	7/8" UNF x 2.66"	T.S. Bolt & Sq. Nut	D8	550298	<b>21,732</b>
9M 7445	1" UNS x 2.94" (2 15/16)	T.S. Bolt	D8	330021	<b>21,771</b>
1S6421	1" UNS	T.S. Sq. Nut	DS9	330022	<b>8,923</b>
9M 7445/1S6421	1" UNS x 2.94" (2 15/16)	T.S. Bolt & Sq. Nut	DS9	550299	<b>30,694</b>

Suitable for HM-TEREX & HM DEMAG Earthmovers

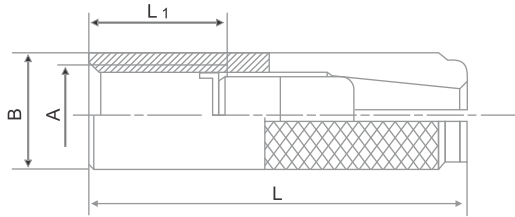
Equivalent O.E. Part No. (For Ref. Only)	Size	Description	Model	International Part No.	₹ Price/ 100 pcs
01801340	3/4" x UNF x 2.3/4"	T.S. Bolt	H31, H36, H41	630419	<b>12,233</b>
06400140	3/4" UNF	T.S. Sq. Nut	H36	330020	<b>4,550</b>
01801340/06400140	3/4" x UNF x 2.3/4"	T.S. Bolt & Sq. Nut	H31, H36, H41	816932	<b>16,782</b>
06327940	7/8" UNF x 3.11/32" (84.9 mm)	T.S. Bolt	H51, H55	330023	<b>18,050</b>
06400240	7/8" UNF	T.S. Sq. Nut	H51	330015	<b>6,473</b>
06327940/06400240	7/8" UNF x 3.11/32" (84.9 mm)	T.S. Bolt & Sq. Nut	H51, H55	550300	<b>24,523</b>

- 1. Specifications :** Forged from high grade alloy steel.
- 2. Mechanical Properties :** Track Shoe Bolt Grade 12.9, Square Nut HRC 32-38
- 3. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 4. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**

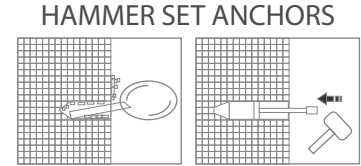
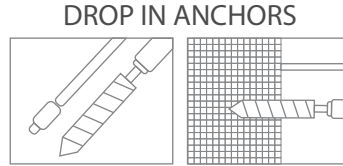




## Drop In Anchors



**Raw Material:**  
Special steel developed by UNBRAKO USA



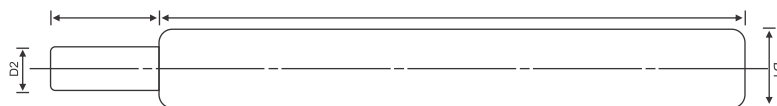
## Value Are In KN

Main Technical Index	M6 x 25	M8 x 30	M10 x 40	M12 x 50	M16 x 60
Design tensile breaking strength	3.3	5.3	7.0	11.9	16.1
Design breaking shearing force	4.1	6.7	7.8	14.3	18.1
Safety Tensile breaking strength	2.4	3.8	5.0	8.5	11.5
Safety breaking shearing force	2.9	3.9	5.6	10.2	12.9

## Drop In Anchors

Code	International Part No.	Size (A)	External Diameter (B)	Thread Length (L1)	Body Length (L)	Box Quantity	Carton Quantity	₹ Price/ 100 pcs
DANCH0625ZP	551654	M6	8.0	10	25	100	3600	<b>630</b>
DANCH0830ZP	551655	M8	10.0	13	30	100	1800	<b>823</b>
DANCH1040ZP	551656	M10	12.0	15	40	50	1000	<b>1,280</b>
DANCH1250ZP	530269	M12	16.0	20	50	50	600	<b>3,032</b>
DANCH1660ZP	551657	M16	20.0	25	60	25	300	<b>5,109</b>

**ONE ANCHOR SETTING TOOL FREE WITH PACK OF 100 ANCHOR SETS**



## Drop In Anchors Setting Tools

Code	SIZE	D1	D2	L1	L2
ANCHT06	6	9.900	4.700	97.790	17.000
ANCHT08	10	12.700	7.950	114.300	25.400
ANCHT10	12	15.875	9.525	127.000	31.750
ANCHT12	16	19.050	12.700	139.700	38.100



## Direct Tension Indicator BS EN 14399-9

(Auto Torque Indicator) For 8.8 S Bolt Assembly  
(Duly Mechanical Zinc Plated)

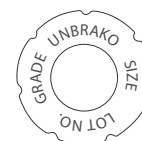
Size	International Part No.	₹ Price/100 pcs	Pcs/Box	Pcs/Carton
M16	630330	<b>2,837</b>	100	1200
M20	370002	<b>5,070</b>	100	800
M22	370003	<b>6,137</b>	50	400
M24	370004	<b>8,219</b>	50	400
M27	370005	<b>10,407</b>	50	300



## Direct Tension Indicator BS EN 14399-9

(Auto Torque Indicator) For 10.9 S Bolt Assembly  
(Duly Mechanical Zinc Plated)

Size	International Part No.	₹ Price/100 pcs	Pcs/Box	Pcs/Carton
M24	370006	<b>8,219</b>	50	400
M27	370007	<b>10,407</b>	50	300
M30	370008	<b>15,181</b>	25	200
M36	370009	<b>21,806</b>	25	150



1. **Specification** : Generally conforming to BS EN 14399-9

Note : Separate catalogue can be provided on request.

2. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.

Separate Construction Catalogue available on request



**PRICE  
LIST**

**DFL-11, w.e.f. Oct, 2018**

<b>Socket Screws</b>	<b>11</b>
<b>Durlok</b>	<b>31</b>
<b>Hex Bolt, Nut &amp; Washer</b>	<b>35</b>
<b>Construction</b>	<b>51</b>
<b>Stainless Steel</b>	<b>59</b>
<b>Petrochemical</b>	<b>79</b>

# Socket Screws

## Page Contents

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- 20 Countersunk Socket Head Cap Screws (CSK)
- 21 Socket Low Head Cap Screws (LHCS)
- 22 Socket Head Shoulder Screws
- 23 Socket Set Screws (Knurled Cup Point)
- 26 Button Head Socket Screws
- 27 Flange Button Head Socket Screws
- 28 Hexagon Wrench Sets
- 29 Dowel Pins



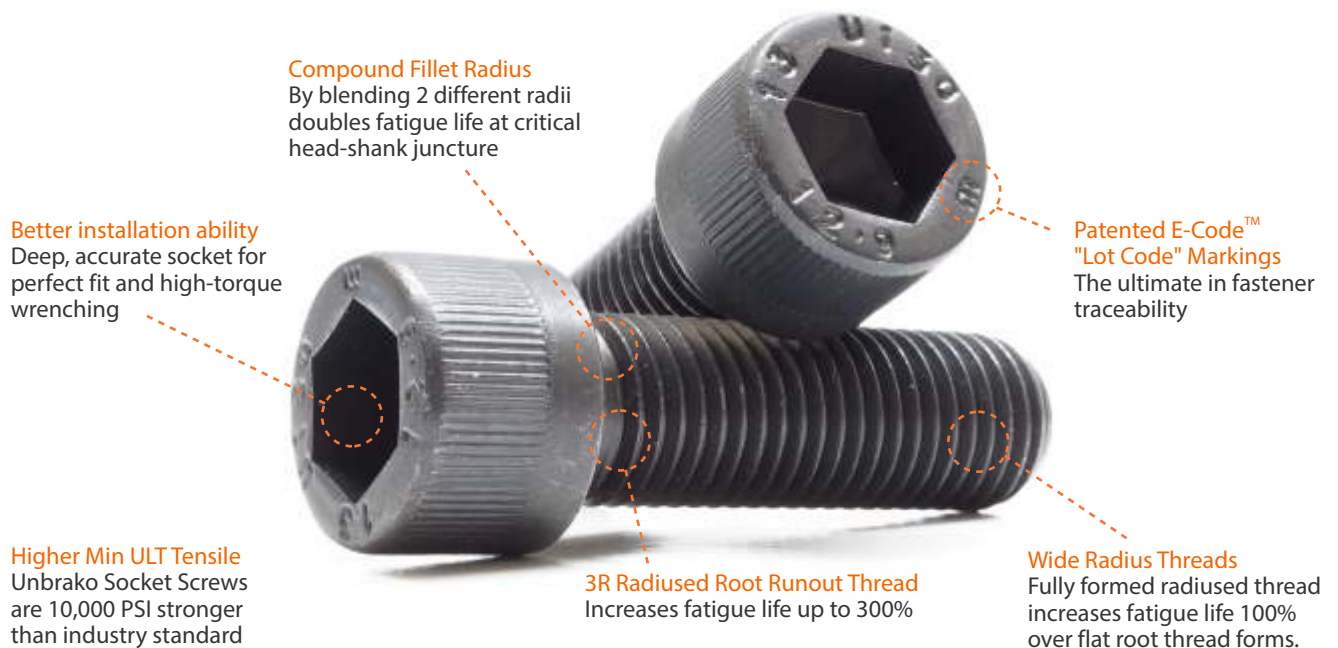
# Unbrako Socket Range

Unbrako is the world's leading socket screw brand with more than 100 years experience of supplying to high-end industries, such as the automotive, aerospace, petrochemical, heavy machinery and military sectors.

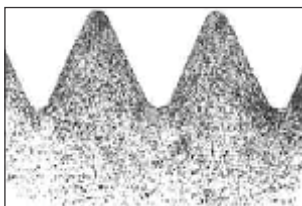
Unbrako socket screws meet/exceed industry standards. Unbrako is top-grade solution for those industrial end-users who demand maximum precision, product lifespan, reliability and premium technical services.

Superior performance ultimately translates into cost savings: reduced number of parts, reduced weight and size of equipment, less equipment failure and downtime, longer product life and lower total cost.

## Advantages



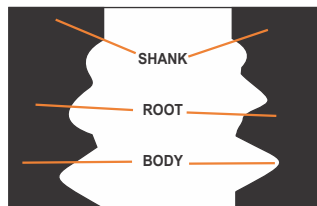
### Contour flow & root radius



Contour-following flow lines provide extra shear strength in threads, resist stripping and provide high fatigue resistance.

Extra large root radius doubles fatigue life compared to flat root thread forms.

### Controlled runout root radius



Unbrako's controlled runout root radius provides a smooth form that distributes stress and increases fatigue life of thread runout up to 300% for certain sizes.

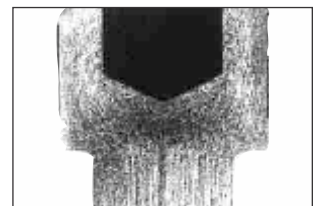
The sharp angle at the root of conventional threads results in high stress concentration and crack initiation points.

### Forged heads



Controlled head forging, uniform grain flow and unbroken flow lines, make heads stronger, minimizes failure in vital fillet area, and improves fatigue strength.

### Accurate socket depth



Accurate socket depth allows more wrench engagement than other screw, permitting tightening without cracking or reaming the socket while providing ample metal in the crucial fillet area for maximum head strength.





## Socket Head Cap Screw

Metric

Diameter	M8 Wrench Key Size 6mm			M10 Wrench Key Size 8mm			M12 Wrench Key Size 10mm			M14 Wrench Key Size 12mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
10	103056	<b>1,028</b>	200										
12	114972	<b>775</b>	200	106237	<b>1,208</b>	200							
16	103058	<b>645</b>	200	103080	<b>1,124</b>	200	106247	<b>3,442</b>	100				
20	122086	<b>693</b>	200	113163	<b>1,171</b>	200	112607	<b>2,907</b>	100				
25	119351	<b>711</b>	200	115060	<b>1,118</b>	100	122250	<b>2,547</b>	100	400528	<b>6,804</b>	50	
30	119383	<b>852</b>	200	122114	<b>1,199</b>	100	122251	<b>2,419</b>	100	400529	<b>6,618</b>	50	
35	122113	<b>853</b>	200	113257	<b>1,295</b>	100	125530	<b>2,462</b>	100	400530	<b>5,564</b>	50	
40	113143	<b>975</b>	200	100845	<b>1,545</b>	100	114996	<b>2,485</b>	100	400531	<b>5,695</b>	50	
45	121076	<b>1,139</b>	200	121088	<b>1,708</b>	100	115075	<b>2,722</b>	50	400532	<b>5,799</b>	50	
50	121068	<b>1,199</b>	200	125660	<b>1,869</b>	100	112360	<b>2,585</b>	50	120863	<b>5,929</b>	50	
55	103063	<b>1,324</b>	100	103087	<b>2,018</b>	100	122255	<b>3,099</b>	50	400533	<b>6,003</b>	50	
60	121070	<b>1,425</b>	100	122217	<b>2,183</b>	100	122260	<b>3,191</b>	50	112000	<b>6,360</b>	50	
65	103064	<b>1,550</b>	100	103088	<b>2,358</b>	100	122261	<b>3,350</b>	50	400534	<b>6,456</b>	50	
70	103066	<b>1,702</b>	100	125786	<b>2,542</b>	50	103098	<b>3,527</b>	50	400535	<b>6,962</b>	50	
75	103069	<b>1,757</b>	100	103090	<b>2,708</b>	50	103099	<b>3,792</b>	50	400536	<b>7,371</b>	50	
80	103070	<b>2,535</b>	100	103091	<b>3,745</b>	50	103100	<b>4,427</b>	50	400537	<b>7,716</b>	20	
90	103073	<b>2,941</b>	100	103094	<b>4,282</b>	50	103103	<b>5,005</b>	50	400538	<b>7,892</b>	20	
100	103075	<b>3,489</b>	100	103095	<b>4,879</b>	50	122142	<b>5,530</b>	50	400539	<b>9,795</b>	25	
110	103076	<b>4,361</b>	100	103096	<b>5,779</b>	50	125791	<b>6,810</b>	25	400540	<b>10,941</b>	25	
120	103077	<b>5,093</b>	50	103097	<b>5,845</b>	50	103104	<b>7,830</b>	25	400508	<b>11,501</b>	25	
130	106230	<b>6,179</b>	50	106240	<b>7,958</b>	50	103107	<b>9,264</b>	25	180223	<b>12,994</b>	25	
140	106231	<b>6,637</b>	50	106241	<b>8,880</b>	50	103108	<b>10,331</b>	25	180103	<b>14,260</b>	25	
150	106232	<b>7,168</b>	50	106242	<b>9,876</b>	50	103110	<b>11,420</b>	25	180225	<b>15,240</b>	25	
160	106233	<b>7,859</b>	100	106243	<b>12,963</b>	50	107456	<b>18,829</b>	25	180226	<b>15,812</b>	10	
170	700125	<b>8,485</b>	100	210001	<b>14,293</b>	50	181063	<b>21,278</b>	20	210002	<b>17,269</b>	10	
180	106234	<b>8,944</b>	100	106244	<b>14,582</b>	25	107458	<b>20,701</b>	20	180227	<b>18,286</b>	10	
200	106235	<b>9,884</b>	100	106245	<b>15,587</b>	25	107459	<b>22,410</b>	20	551663	<b>20,639</b>	10	
220				400517	<b>20,025</b>	25	400570	<b>24,796</b>	20	791320	<b>22,703</b>	10	
230							183555	<b>31,054</b>	20	791321	<b>23,620</b>	10	
240							400571	<b>37,226</b>	20	791322	<b>24,652</b>	10	
260							400572	<b>42,540</b>	20	791323	<b>26,486</b>	10	
280							400573	<b>44,568</b>	20	791324	<b>28,551</b>	10	

Grey highlighted items are full threaded

- 1. Specifications :** Generally conforming to IS 2269, DIN 912, ISO 4762.
- 2. Threads :** ISO Metric (Coarse Series) 4g6g as per IS 4218, ISO 261, ISO 965.
- 3. Material :** Unbrako high grade alloy steel.
- 4. Mechanical Properties :** Property Class 12.9 as per IS 1367, ISO 898 Part I.
- 5. Note :** Upto 80mm Diameter can be manufactured against request.
- 6.** For sizes beyond those listed, prices available on request.
- 7. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 8.** Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Socket Head Cap Screw

Metric

DIA	M16 Wrench Key Size 14mm			M18 Wrench Key Size 14mm			M20 Wrench Key Size 17mm			M22 Wrench Key Size 17mm		
	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
20	210003	<b>6,511</b>	50									
25	106248	<b>6,335</b>	50				210006	<b>15,500</b>	25			
30	103112	<b>6,335</b>	50	183894	<b>17,777</b>	20	107465	<b>15,079</b>	10			
35	103113	<b>5,199</b>	50	400541	<b>17,999</b>	20	107466	<b>15,278</b>	10			
40	125751	<b>5,181</b>	50	400542	<b>15,762</b>	20	103130	<b>13,375</b>	10	180408	<b>20,227</b>	10
45	103115	<b>5,552</b>	50	400606	<b>15,876</b>	25	103131	<b>13,844</b>	10	180409	<b>21,401</b>	10
50	112474	<b>5,535</b>	25	100844	<b>16,000</b>	10	103132	<b>12,896</b>	10	180181	<b>19,111</b>	10
55	103117	<b>5,892</b>	25	400543	<b>16,099</b>	10	103136	<b>13,661</b>	10	180182	<b>20,915</b>	10
60	112594	<b>5,784</b>	25	400544	<b>16,228</b>	10	103137	<b>13,071</b>	10	180183	<b>22,098</b>	10
65	103118	<b>6,477</b>	20	400545	<b>16,360</b>	25	103138	<b>13,888</b>	10	180184	<b>23,943</b>	10
70	103119	<b>6,990</b>	20	400546	<b>17,471</b>	10	103141	<b>14,832</b>	10	180185	<b>25,070</b>	10
75	103120	<b>7,598</b>	20	400547	<b>18,612</b>	10	103142	<b>15,799</b>	10	210007	<b>26,576</b>	10
80	125658	<b>7,737</b>	20	400549	<b>18,975</b>	10	103143	<b>15,301</b>	10	180186	<b>27,932</b>	10
90	103122	<b>8,624</b>	10	400550	<b>19,359</b>	10	103144	<b>16,427</b>	10	180187	<b>28,508</b>	10
100	103123	<b>9,826</b>	10	400551	<b>20,308</b>	10	103145	<b>17,706</b>	10	180188	<b>30,896</b>	10
110	103124	<b>10,968</b>	20	400548	<b>22,471</b>	25	103146	<b>19,599</b>	10	180189	<b>32,695</b>	10
120	103126	<b>11,538</b>	20	400552	<b>24,611</b>	15	103148	<b>21,491</b>	10	180190	<b>35,334</b>	5
130	103127	<b>13,151</b>	20	180311	<b>27,404</b>	10	103150	<b>23,358</b>	10	180191	<b>47,767</b>	5
140	103128	<b>14,086</b>	20	180229	<b>30,424</b>	10	103151	<b>25,235</b>	10	180192	<b>54,292</b>	5
150	103129	<b>15,010</b>	20	180407	<b>31,797</b>	10	103152	<b>27,634</b>	10	180193	<b>72,384</b>	5
160	103364	<b>29,887</b>	10	180230	<b>33,918</b>	10	107462	<b>35,418</b>	10	180194	<b>85,316</b>	5
170	180418	<b>33,286</b>	10	210005	<b>40,167</b>	10	180495	<b>40,448</b>	10	791330	<b>88,576</b>	5
180	107460	<b>34,215</b>	10	100231	<b>47,712</b>	10	107463	<b>40,448</b>	10	180196	<b>93,840</b>	5
200	107448	<b>36,782</b>	10	551668	<b>50,795</b>	10	107464	<b>42,190</b>	10	180198	<b>100,438</b>	5
220	400574	<b>42,456</b>	10	791325	<b>55,610</b>	10	400553	<b>43,946</b>	10	210008	<b>107,358</b>	5
230	182815	<b>48,134</b>	10	791326	<b>58,477</b>	10	181001	<b>56,410</b>	5	791331	<b>111,981</b>	5
240	400575	<b>49,882</b>	10	791327	<b>60,770</b>	10	400554	<b>68,874</b>	5	210009	<b>119,121</b>	5
260	400576	<b>62,975</b>	10	791328	<b>65,356</b>	10	400555	<b>84,487</b>	5	210010	<b>127,881</b>	5
280	400577	<b>76,059</b>	10	551667	<b>69,943</b>	10	400556	<b>100,087</b>	5	210011	<b>132,927</b>	5
300	400578	<b>81,492</b>	10	791329	<b>74,529</b>	10	400557	<b>107,235</b>	5	210012	<b>142,423</b>	5

Grey highlighted items are full threaded

- Specifications :** Generally conforming to IS 2269, DIN 912, ISO 4762.
- Threads :** ISO Metric (coarse series) 4g6g as per IS 4218, ISO 261, ISO 965.
- Material :** Unbrako high grade alloy steel.
- Mechanical Properties :** Property Class 12.9 as per IS 1367, ISO 898 Part I.
- Note :** Upto 80mm diameter can be manufactured against request.
- For sizes beyond those listed, prices on application.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.





## Socket Head Cap Screw

Metric

Diameter	M24 Wrench Key Size 19mm			M27 Wrench Key Size 19mm			M30 Wrench Key Size 22mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
45	103153	<b>17,813</b>	10							
50	103155	<b>17,064</b>	10					551648	<b>38,735</b>	5
55	103157	<b>19,203</b>	10							
60	103158	<b>19,739</b>	10	180233	<b>35,086</b>	5	180207	<b>34,937</b>	5	
65	103159	<b>20,986</b>	10	581201	<b>37,265</b>	5	210014	<b>34,696</b>	5	
70	103160	<b>22,389</b>	10	180326	<b>38,057</b>	5	116464	<b>38,407</b>	5	
75	103161	<b>23,722</b>	10	210013	<b>39,990</b>	5	182283	<b>40,037</b>	5	
80	103162	<b>24,950</b>	10	406161	<b>42,666</b>	5	140610	<b>41,547</b>	5	
90	103163	<b>26,172</b>	10	406162	<b>45,671</b>	5	140611	<b>43,646</b>	5	
100	103165	<b>27,601</b>	10	406163	<b>48,716</b>	5	140612	<b>48,771</b>	5	
110	103166	<b>29,191</b>	10	406164	<b>51,764</b>	5	140613	<b>51,815</b>	5	
120	103167	<b>32,441</b>	10	400607	<b>54,807</b>	5	140614	<b>54,861</b>	5	
130	103168	<b>33,922</b>	5	406165	<b>58,611</b>	5	140615	<b>58,670</b>	5	
140	103170	<b>36,275</b>	5	406166	<b>60,896</b>	5	140616	<b>62,661</b>	5	
150	103171	<b>38,646</b>	5	400608	<b>64,707</b>	5	140617	<b>64,778</b>	5	
160	104143	<b>64,307</b>	5	400609	<b>102,004</b>	5	140618	<b>97,479</b>	4	
180	104146	<b>67,132</b>	5	406168	<b>112,665</b>	5	140620	<b>107,657</b>	4	
200	104147	<b>71,863</b>	5	400579	<b>122,567</b>	5	140621	<b>117,113</b>	5	
220	400560	<b>76,910</b>	5	180003	<b>152,784</b>	4	400622	<b>145,429</b>	3	
240	400561	<b>81,963</b>	5	406171	<b>169,297</b>	4	400623	<b>159,375</b>	3	
260	400562	<b>84,526</b>	5	406172	<b>184,405</b>	3	140624	<b>167,311</b>	2	
280	400563	<b>88,804</b>	5	406173	<b>196,815</b>	3	140625	<b>178,276</b>	2	
300	400564	<b>95,149</b>	5	406174	<b>207,644</b>	3	400626	<b>189,245</b>	2	

Diameter	M33 Wrench Key Size 24mm			M36 Wrench Key Size 27mm			M42 Wrench Key Size 32mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
75	210015	<b>61,815</b>	5							
80	180254	<b>62,423</b>	5	140629	<b>74,982</b>	5				
90	400649	<b>69,643</b>	5	140630	<b>81,864</b>	5	182336	<b>115,648</b>	5	
100	400628	<b>72,773</b>	5	140631	<b>81,887</b>	5	400645	<b>126,692</b>	12	
110	180255	<b>74,610</b>	5	400632	<b>86,334</b>	4	700380	<b>130,135</b>	12	
120	180256	<b>81,443</b>	5	140633	<b>90,064</b>	4	183113	<b>141,519</b>	10	
130	405492	<b>87,642</b>	5	400634	<b>93,047</b>	4	182331	<b>144,562</b>	10	
140	180257	<b>90,594</b>	4	140635	<b>102,727</b>	3	700383	<b>156,420</b>	9	
150	180258	<b>95,164</b>	4	140636	<b>106,430</b>	3	180960	<b>159,702</b>	9	
160	180259	<b>125,994</b>	4	140637	<b>143,227</b>	3	181289	<b>223,352</b>	9	
180	180261	<b>140,068</b>	3	140639	<b>160,032</b>	3	182059	<b>237,049</b>	8	
200	180263	<b>152,248</b>	3	140640	<b>173,431</b>	2	181290	<b>256,813</b>	7	
220	210016	<b>188,678</b>	3	180294	<b>214,432</b>	2	400647	<b>322,181</b>	7	
240	210017	<b>203,257</b>	3	140641	<b>220,330</b>	2	182510	<b>335,831</b>	6	
260	210018	<b>212,629</b>	2	140642	<b>235,967</b>	9	700390	<b>358,204</b>	6	
280	210019	<b>224,334</b>	2	180411	<b>251,652</b>	8	181291	<b>380,599</b>	6	
300	210020	<b>241,851</b>	2	140643	<b>274,808</b>	8	180863	<b>402,987</b>	6	

Grey highlighted items are full threaded



## Socket Head Cap Screw

Inch (BSW)

Diameter	3/16 Wrench Key Size 5/32"			1/4 Wrench Key Size 3/16"			5/16 Wrench Key Size 7/32"			3/8 Wrench Key Size 5/16"			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
3/8	400056	<b>456</b>	200	400068	<b>545</b>	200							
1/2	400057	<b>456</b>	200	400069	<b>529</b>	200	400085	<b>752</b>	200	400101	<b>1,139</b>	200	
5/8	400058	<b>402</b>	200	400070	<b>519</b>	200	400086	<b>641</b>	200	400102	<b>1,107</b>	200	
3/4	400059	<b>456</b>	200	400071	<b>545</b>	200	400087	<b>688</b>	200	400103	<b>949</b>	200	
7/8	551219	<b>484</b>	200	400072	<b>563</b>	200	400088	<b>698</b>	200	400104	<b>1,083</b>	200	
1	400061	<b>510</b>	200	400073	<b>610</b>	200	400089	<b>747</b>	200	400105	<b>1,053</b>	200	
1 1/4	400062	<b>564</b>	200	400074	<b>671</b>	200	400090	<b>856</b>	200	400106	<b>1,154</b>	100	
1 1/2	400063	<b>644</b>	200	400075	<b>770</b>	200	400091	<b>957</b>	200	400107	<b>1,285</b>	100	
1 3/4	400064	<b>733</b>	200	400076	<b>943</b>	200	400092	<b>1,131</b>	200	400108	<b>1,535</b>	50	
2	400065	<b>733</b>	200	400077	<b>918</b>	200	400093	<b>1,131</b>	200	400109	<b>1,595</b>	100	
2 1/4	210021	<b>867</b>	200	400078	<b>1,859</b>	200	400094	<b>1,359</b>	200	400110	<b>1,842</b>	100	
2 1/2	400066	<b>965</b>	200	400079	<b>1,912</b>	200	400095	<b>1,359</b>	100	400111	<b>1,978</b>	100	
2 3/4				400080	<b>2,237</b>	200	404433	<b>1,658</b>	100	400112	<b>2,213</b>	100	
3				400081	<b>2,237</b>	200	400096	<b>1,658</b>	100	400113	<b>2,213</b>	100	
3 1/4				400082	<b>2,682</b>	200	701026	<b>2,768</b>	100	400114	<b>3,241</b>	50	
3 1/2				400083	<b>2,607</b>	200	400098	<b>2,768</b>	100	400115	<b>3,320</b>	50	
4				400084	<b>2,954</b>	100	400099	<b>3,284</b>	100	400116	<b>3,897</b>	50	
4 1/2							400100	<b>5,296</b>	100	400117	<b>5,905</b>	50	
5							701030	<b>5,968</b>	100	400118	<b>7,008</b>	50	
5 1/2										400181	<b>8,422</b>	50	
6										400119	<b>8,916</b>	50	

Grey highlighted items are full threaded

- Specifications :** Generally conforming to BS 2470.
- Threads :** BS Whitworth Fine, Medium as per BS 84.
- Material :** Unbrako high grade alloy steel.
- Mechanical Properties :** As per BS 2470
- Note :** Upto 4 Inch Dia can be manufactured against request.
- Plating :** No guarantee can given for unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- For Socket head cap screw UNC, above prices will apply.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Socket Head Cap Screw

Inch (BSW)

Diameter	7/16" Wrench Key Size 5/16"			1/2" Wrench Key Size 3/8"			5/8" Wrench Key Size 1/2"			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
3/4	551220	<b>2,638</b>	100	400130	<b>2,988</b>	100				
7/8	791967	<b>2,638</b>	100	402942	<b>2,988</b>	100		210033	<b>5,641</b>	50
1	400121	<b>2,552</b>	100	400131	<b>2,539</b>	100		400150	<b>5,487</b>	50
1 1/4	400122	<b>2,552</b>	100	400132	<b>2,661</b>	100		400151	<b>4,769</b>	50
1 1/2	400123	<b>2,602</b>	100	400133	<b>2,708</b>	50		400152	<b>4,936</b>	50
1 3/4	400124	<b>2,781</b>	100	400134	<b>2,893</b>	50		400153	<b>5,251</b>	50
2	400125	<b>2,781</b>	100	400135	<b>3,024</b>	50		400154	<b>5,499</b>	20
2 1/4	210025	<b>3,197</b>	50	400136	<b>3,486</b>	50		400155	<b>5,976</b>	20
2 1/2	701059	<b>3,350</b>	50	400137	<b>3,636</b>	50		400156	<b>6,143</b>	20
2 3/4	210026	<b>3,607</b>	50	400138	<b>3,949</b>	50		400157	<b>6,560</b>	20
3	400127	<b>3,675</b>	20	400139	<b>4,293</b>	50		400158	<b>6,743</b>	20
3 1/4	210027	<b>4,889</b>	50	400140	<b>5,133</b>	50		701096	<b>7,536</b>	10
3 1/2	400128	<b>4,755</b>	50	400141	<b>5,133</b>	20		400159	<b>7,863</b>	10
4	400129	<b>5,507</b>	20	400142	<b>6,104</b>	25		400160	<b>9,342</b>	10
4 1/2	210028	<b>8,129</b>	50	400143	<b>7,293</b>	25		400161	<b>9,642</b>	15
5	210029	<b>7,909</b>	25	400144	<b>8,979</b>	25		400162	<b>10,634</b>	15
5 1/2	210030	<b>9,266</b>	50	400145	<b>9,886</b>	20		400163	<b>13,575</b>	20
6	210031	<b>9,276</b>	25	400146	<b>10,233</b>	20		400164	<b>14,792</b>	20
6 1/2				400147	<b>20,301</b>	20		400165	<b>30,567</b>	10
7				400148	<b>20,708</b>	15		400166	<b>31,420</b>	10
7 1/2				210032	<b>21,520</b>	15		210035	<b>32,625</b>	10
8				400149	<b>23,051</b>	25		400167	<b>33,711</b>	10
8 1/2								210036	<b>45,344</b>	10
9								210037	<b>44,205</b>	10
10								210038	<b>57,841</b>	10

Grey highlighted items are full threaded

- 1. Specifications :** Generally conforming to BS 2470.
- 2. Threads :** BS Whitworth Fine, Medium as per BS 84.
- 3. Material :** Unbrako High Grade Alloy Steel.
- 4. Mechanical Properties :** As per BS 2470
- 5. Note :** Upto 4 Inch Dia can be manufactured against request.
- 6. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 7.** For Socket head cap screw UNC, above prices will apply.
- 8.** Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Socket Head Cap Screw

Inch (BSW)

Diameter	3/4" Wrench Key Size 9/16"			7/8" Wrench Key Size 9/16"			1" Wrench Key Size 5/8"			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
1	210039	<b>14,076</b>	50							
1 1/4	400168	<b>13,694</b>	10							
1 1/2	400169	<b>12,078</b>	10	400187	<b>19,451</b>	10	210054	<b>18,233</b>	15	
1 3/4	400170	<b>12,353</b>	10	210043	<b>20,785</b>	10	210055	<b>18,949</b>	15	
2	400171	<b>12,699</b>	10	400188	<b>20,220</b>	10	400194	<b>19,313</b>	10	
2 1/4	400172	<b>12,973</b>	10	404637	<b>22,389</b>	10	404571	<b>21,400</b>	10	
2 1/2	400173	<b>12,973</b>	10	400189	<b>21,782</b>	10	400195	<b>21,400</b>	10	
2 3/4	400174	<b>14,362</b>	10	210044	<b>25,178</b>	10	210056	<b>24,103</b>	10	
3	400175	<b>14,764</b>	10	400190	<b>24,543</b>	10	400196	<b>23,448</b>	10	
3 1/4	400176	<b>15,338</b>	10	701133	<b>27,824</b>	10	210057	<b>25,856</b>	10	
3 1/2	400177	<b>14,922</b>	10	400191	<b>27,068</b>	10	400197	<b>25,856</b>	10	
4	400178	<b>16,083</b>	10	400192	<b>28,558</b>	10	400198	<b>28,560</b>	5	
4 1/2	400179	<b>19,021</b>	10	701136	<b>33,580</b>	10	400199	<b>31,992</b>	5	
5	400180	<b>20,666</b>	10	701137	<b>37,083</b>	10	400200	<b>35,439</b>	5	
5 1/2	701121	<b>23,506</b>	10	210047	<b>38,611</b>	10	183785	<b>36,888</b>	5	
6	400182	<b>25,801</b>	10	400193	<b>42,272</b>	10	400201	<b>41,167</b>	5	
6 1/2	400183	<b>32,981</b>	10	210048	<b>73,389</b>	5	210059	<b>67,728</b>	5	
7	400184	<b>33,745</b>	10	701139	<b>73,389</b>	5	400202	<b>70,164</b>	5	
7 1/2	210040	<b>35,476</b>	10	210050	<b>76,042</b>	5	210060	<b>72,673</b>	5	
8	400185	<b>35,211</b>	10	210051	<b>75,580</b>	5	400203	<b>75,109</b>	5	
8 1/2	210041	<b>41,998</b>	10	210052	<b>81,989</b>	5	210061	<b>82,133</b>	5	
9	400186	<b>41,998</b>	10	210053	<b>81,989</b>	5	210062	<b>84,499</b>	5	
10	701127	<b>46,664</b>	5	551078	<b>93,305</b>	5	210063	<b>93,888</b>	5	

Grey highlighted items are full threaded

- Specifications :** Generally conforming to BS 2470.
- Threads :** BS Whitworth Fine, Medium as per BS 84.
- Material :** Unbrako high grade alloy steel.
- Mechanical Properties :** As per BS 2470
- Note :** Upto 4 Inch Dia can be manufactured against request.
- Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- For Socket head cap screw UNC, above prices will apply.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Countersunk Socket Head Cap Screws (CSK)

Metric

Diameter	M3		M4		M5		M6		M8	
	Wrench Key Size 2mm		Wrench Key Size 2.5mm		Wrench Key Size 3mm		Wrench Key Size 4mm		Wrench Key Size 5mm	
Length	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
6	106283	<b>876</b>								
8	103303	<b>1,033</b>	103309	<b>561</b>	103318	<b>831</b>	103325	<b>642</b>		
10	103304	<b>1,110</b>	103311	<b>561</b>	103319	<b>546</b>	103328	<b>647</b>		
12	103305	<b>1,191</b>	103312	<b>566</b>	103320	<b>595</b>	103329	<b>630</b>	103337	<b>843</b>
14					401676	<b>618</b>	401678	<b>688</b>		
16	103306	<b>1,349</b>	103313	<b>639</b>	103321	<b>639</b>	103330	<b>708</b>	103338	<b>820</b>
18			401675	<b>651</b>	401677	<b>647</b>	401679	<b>733</b>	401681	<b>831</b>
20	103308	<b>1,508</b>	103315	<b>659</b>	103322	<b>654</b>	103331	<b>756</b>	103340	<b>880</b>
25	106284	<b>1,668</b>	103316	<b>809</b>	103323	<b>769</b>	103332	<b>862</b>	103341	<b>1,009</b>
30			103317	<b>977</b>	103324	<b>977</b>	103333	<b>992</b>	103342	<b>1,154</b>
35			220001	<b>2,028</b>	106289	<b>1,301</b>	103334	<b>1,127</b>	103343	<b>1,313</b>
40			220002	<b>2,169</b>	220005	<b>2,028</b>	103335	<b>1,326</b>	103344	<b>1,538</b>
45			220003	<b>2,440</b>	220006	<b>2,283</b>	220008	<b>2,361</b>	106297	<b>1,727</b>
50			220004	<b>2,711</b>	220007	<b>2,534</b>	220009	<b>2,954</b>	220011	<b>2,707</b>
55							220010	<b>3,248</b>	220012	<b>3,232</b>
60									220013	<b>3,525</b>
Qty. Per Box					200					

Diameter	M10		M12		M16		M20		M24	
	Wrench Key Size 6mm		Wrench Key Size 8mm		Wrench Key Size 10mm		Wrench Key Size 12mm		Wrench Key Size 14mm	
Length	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
12	103345	<b>1,442</b>								
16	103347	<b>1,371</b>								
20	103348	<b>1,178</b>	103353	<b>2,659</b>						
25	103349	<b>1,368</b>	103354	<b>2,498</b>						
30	103350	<b>1,568</b>	103355	<b>2,861</b>	103359	<b>5,377</b>				
35	103351	<b>1,803</b>	103356	<b>3,077</b>	103360	<b>5,795</b>	106328	<b>13,436</b>		
40	103352	<b>2,066</b>	103357	<b>3,317</b>	103361	<b>6,039</b>	106332	<b>11,657</b>		
45	106302	<b>2,325</b>	106311	<b>3,755</b>	106318	<b>6,815</b>	106334	<b>12,506</b>		
50	106303	<b>2,624</b>	103358	<b>4,096</b>	103362	<b>6,847</b>	106335	<b>13,332</b>	220032	<b>22,628</b>
55	106304	<b>3,232</b>	106312	<b>4,673</b>	106320	<b>7,847</b>	106336	<b>14,150</b>	220033	<b>24,525</b>
60	220014	<b>3,525</b>	106313	<b>5,036</b>	103363	<b>8,280</b>	106337	<b>14,964</b>	401689	<b>26,420</b>
65	220015	<b>3,819</b>	220020	<b>5,728</b>	183908	<b>8,713</b>	183912	<b>15,812</b>	220034	<b>28,316</b>
70	220016	<b>4,113</b>	220021	<b>6,168</b>	106321	<b>9,148</b>	106338	<b>16,660</b>	401690	<b>30,213</b>
75	220017	<b>5,288</b>	220022	<b>6,610</b>	220025	<b>11,272</b>	183913	<b>18,110</b>	220035	<b>32,109</b>
80	220018	<b>5,640</b>	220023	<b>7,650</b>	220026	<b>11,781</b>	106339	<b>20,748</b>	401691	<b>34,004</b>
90	220019	<b>6,345</b>			<del>106325</del>	<del>12,877</del>	106341	<b>21,566</b>	401692	<b>37,798</b>
100					629621	<b>15,223</b>	106342	<b>26,770</b>	401693	<b>42,980</b>
110							220029	<b>29,598</b>	701356	<b>48,162</b>
120							220030	<b>32,424</b>	183179	<b>53,346</b>
130							220031	<b>34,922</b>	701358	<b>58,529</b>
Qty. Per Box	100		50		25		10		5	

Quantity per box 25  
Quantity per box 200

- Note** : All sizes are fully threaded. **2. Specifications** : Generally conforming to IS 6761, ISO 10642
- Threads** : ISO Metric, 4g6g as per IS 4218. **4. Material** : UNBRAKO high grade alloy steel.
- 5. Mechanical Properties** : Property Class 12.9 as per IS 1367, ISO 898 Part - I
- 6.** Bold black lines are used to indicate quantity per box.
- 7.** Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Socket Low Head Cap Screws (LHCS)

Metric

Diameter	M4 Wrench Key Size 3mm		M5 Wrench Key Size 4mm		M6 Wrench Key Size 5mm		M8 Wrench Key Size 6mm	
	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
8	106250	<b>1,103</b>	106262	<b>1,103</b>	106263	<b>1,103</b>		
10	106251	<b>851</b>	103500	<b>756</b>	103508	<b>734</b>		
12	106255	<b>767</b>	103501	<b>767</b>	103509	<b>737</b>	103519	<b>957</b>
15			400790	<b>1,040</b>	400792	<b>1,008</b>	400791	<b>1,172</b>
16	106256	<b>819</b>	103502	<b>749</b>	103511	<b>710</b>	103520	<b>869</b>
20	106257	<b>903</b>	103597	<b>794</b>	103512	<b>794</b>	103521	<b>901</b>
25	106260	<b>903</b>	103503	<b>856</b>	103515	<b>879</b>	103525	<b>963</b>
30	406185	<b>1,512</b>	103505	<b>972</b>	103516	<b>965</b>	103526	<b>1,083</b>
35					103517	<b>1,061</b>	103528	<b>1,174</b>
40					103518	<b>1,575</b>	103529	<b>1,264</b>
45					106264	<b>1,748</b>		
Qty. Per Box	200							

DIA	M10 Wrench Key Size 8mm			M12 Wrench Key Size 10mm			M16 Wrench Key Size 12mm			M20 Wrench Key Size 14mm		
	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
16	103532	<b>1,324</b>	200									
20	103533	<b>1,170</b>	200	103549	<b>3,255</b>	100						
25	103534	<b>1,293</b>	200	103550	<b>2,888</b>	100						
30	103535	<b>1,449</b>	200	103551	<b>2,783</b>	100	103562	<b>5,718</b>	25			
35	103536	<b>1,533</b>	200	103552	<b>2,814</b>	100	103563	<b>6,146</b>	25			
40	103538	<b>1,654</b>	100	103553	<b>2,835</b>	50	103564	<b>6,039</b>	25	103578	<b>14,385</b>	25
45	106271	<b>2,814</b>	100				106277	<b>5,718</b>	25			
50	103541	<b>3,058</b>	100	103554	<b>3,057</b>	50	103565	<b>6,508</b>	25	103580	<b>16,905</b>	25
55	106272	<b>3,310</b>	100									
60				103555	<b>4,417</b>	50	103566	<b>9,542</b>	25	103581	<b>19,425</b>	25
90							103574	<b>13,608</b>	25			
100							103575	<b>14,650</b>	25	103599	<b>30,135</b>	25

Grey highlighted items are full threaded

- Specifications** : Generally conforming to Unbrako Specification **DIN 7984 + 6912**, ASME B18.3.1M
- Threads** : ISO Metric (Coarse Series) 4g6g.
- Mechanical Properties** : Property Class 10.9 as per IS 1367, ISO 898 Part I.
- For sizes beyond those listed, prices on application.
- Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Socket Head Shoulder Screws

Metric

Diameter	M6 (M5) Wrench Key Size 3mm			M8 (M6) Wrench Key Size 4mm			M10 (M8) Wrench Key Size 5mm			M12 (M10) Wrench Key Size 4mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
10	105364	<b>4,352</b>	50										
12	105365	<b>4,722</b>	50	105375	<b>4,345</b>	50							
15	401484	<b>5,454</b>	50	401486	<b>5,459</b>	50	401487	<b>6,650</b>	50	401485	<b>14,438</b>	25	
16	105366	<b>5,454</b>	50	105377	<b>5,601</b>	50	105388	<b>6,840</b>	50	105404	<b>8,889</b>	25	
20	105368	<b>6,186</b>	50	105379	<b>6,286</b>	50	105390	<b>7,598</b>	50	105406	<b>9,780</b>	25	
25	105370	<b>7,102</b>	50	105380	<b>7,145</b>	50	105392	<b>8,552</b>	50	105407	<b>10,900</b>	25	
30	105372	<b>8,020</b>	50	105381	<b>8,007</b>	50	105393	<b>9,500</b>	50	105410	<b>12,019</b>	25	
40	105373	<b>9,458</b>	50	105383	<b>9,725</b>	50	105394	<b>11,397</b>	50	105411	<b>14,256</b>	25	
50				105386	<b>10,679</b>	50	105395	<b>11,970</b>	50	105412	<b>15,942</b>	25	
60							105396	<b>12,651</b>	50	105416	<b>18,105</b>	25	
70							105402	<b>14,251</b>	50	105417	<b>19,236</b>	25	
80							106422	<b>15,831</b>	50	105420	<b>20,111</b>	25	
90										105427	<b>20,352</b>	25	
100										105433	<b>23,989</b>	25	

Diameter	M16 (M12) Wrench Key Size 8mm			M20 (M16) Wrench Key Size 10mm			M24 (M20) Wrench Key Size 12mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
30	105434	<b>18,493</b>	25							
40	105435	<b>21,744</b>	25	105441	<b>50,730</b>	10				
50	105436	<b>24,994</b>	25	105442	<b>57,379</b>	10	401488	<b>175,459</b>	5	
60	105437	<b>28,243</b>	25	105444	<b>64,026</b>	10	401489	<b>191,976</b>	5	
70	105438	<b>31,494</b>	25	105448	<b>70,676</b>	10	401490	<b>208,492</b>	5	
80	105440	<b>33,584</b>	25	105449	<b>77,324</b>	10	401491	<b>225,015</b>	5	
90	106343	<b>34,827</b>	25	105450	<b>83,974</b>	10	401492	<b>241,530</b>	5	
100	106344	<b>41,243</b>	25	106347	<b>90,620</b>	10	401493	<b>258,047</b>	5	
120	106346	<b>63,655</b>	25	106348	<b>103,917</b>	10	401494	<b>291,085</b>	5	

- 1. Specifications :** Generally conforming to BS 4168, DIN 9841, ISO 7379.
- 2. Thread Class :** 4g6g (Precision Ground to h8 tolerance on the Shoulder (Size Indicator Ground Diameter))
- 3. Material :** Unbrako High Grade Alloy Steel.
- 4. Mechanical Properties :** Properties Class conforming to 12.9 as per ISO 898 Part - I.
- 5. Method of Specifying :** The nominal diameter of a shoulder screw is the diameter of the shoulder & not the thread diameter but it is recommended that both are quoted, e.g. 16mm (M12) x 70mm long to BS 4168.
- 6. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 7. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



## Socket Set Screws (Grub Screws)

Knurled Cup Point

Metric

Diameter	M10 Wrench Key Size 5mm		M12 Wrench Key Size 6mm		M16 Wrench Key Size 8mm		M20 Wrench Key Size 10mm	
	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
8	180099	<b>549</b>						
10	103241	<b>427</b>	551687	<b>840</b>				
12	103244	<b>497</b>	103256	<b>705</b>				
16	103245	<b>663</b>	103258	<b>843</b>	106352	<b>1,920</b>		
20	103246	<b>817</b>	103259	<b>1,069</b>	103274	<b>1,932</b>	104149	<b>6,321</b>
25	103247	<b>989</b>	103260	<b>1,466</b>	103276	<b>2,619</b>	103286	<b>7,053</b>
30	103249	<b>1,424</b>	103261	<b>1,695</b>	103277	<b>3,101</b>	103287	<b>8,154</b>
35	103251	<b>1,644</b>	103262	<b>2,300</b>	103278	<b>3,878</b>	103288	<b>9,296</b>
40	103252	<b>1,825</b>	103263	<b>2,552</b>	103279	<b>4,496</b>	103289	<b>10,395</b>
45	103253	<b>2,090</b>	103269	<b>2,834</b>	103281	<b>4,979</b>	103290	<b>11,541</b>
50	103254	<b>2,422</b>	103270	<b>3,093</b>	103282	<b>5,976</b>	103292	<b>12,625</b>
55	551098	<b>4,007</b>	103271	<b>5,341</b>	103283	<b>7,585</b>	103293	<b>14,928</b>
60	183091	<b>4,468</b>	103272	<b>5,999</b>	103284	<b>8,115</b>	103294	<b>15,862</b>
65	551099	<b>4,663</b>	551100	<b>7,482</b>	551102	<b>9,613</b>	551105	<b>17,876</b>
70			551101	<b>8,060</b>	182790	<b>12,236</b>	551106	<b>18,871</b>
75					551103	<b>13,718</b>	551107	<b>20,516</b>
80					551104	<b>14,634</b>	793979	<b>22,714</b>
Qty. Per Box	100				50			

1. **Specifications** : Generally conforming to the following standards

//// Quantity per box 200

2. **Threads** : ISO Metric, 4g6g as per IS 4218, ISO 261, ISO 965.

3. **Material** : Unbrako high grade alloy steel.

4. **Mechanical Properties** : Property Class 45H as per IS 1367, ISO 898 Part V.





5. **NOTE** : PRICE FOR SPECIAL POINT SHOWN BELOW WILL BE 25% EXTRA.

6. Bold black lines are used to indicate quantity per box.

7. **Plating** : No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

8. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.

Orders for sizes with special points will be accepted subject to our confirmation.

				
	FLAT	CONE	DOG / HALF DOG	PLAIN CUP
IS	6094	6094	6094	6094
DIN	913	914	915	916
ISO	ISO-4026	ISO-4027	ISO-4028	ISO-4029





## Socket Set Screws (Grub Screws)

Knurled Cup Point

Inch

Diameter	3/16"		1/4"		5/16"		3/8"	
	Wrench Key Size 3/32"		Wrench Key Size 1/8"		Wrench Key Size 5/32"		Wrench Key Size 3/16"	
Length	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
3/16	400949	<b>214</b>						
1/4	400951	<b>208</b>	400961	<b>247</b>				
5/16	400952	<b>219</b>	400963	<b>261</b>	400986	<b>261</b>		
3/8	400953	<b>226</b>	400965	<b>273</b>	400977	<b>273</b>	400988	<b>320</b>
1/2	400954	<b>260</b>	400967	<b>278</b>	400978	<b>285</b>	400989	<b>432</b>
5/8	551209	<b>293</b>	400969	<b>362</b>	400979	<b>352</b>	400990	<b>510</b>
3/4	400956	<b>359</b>	400970	<b>550</b>	400980	<b>461</b>	400991	<b>629</b>
1	400957	<b>509</b>	400972	<b>536</b>	400982	<b>645</b>	400993	<b>769</b>
1 1/4			400973	<b>624</b>	400984	<b>761</b>	400994	<b>1,106</b>
1 1/2			400974	<b>1,055</b>	400983	<b>1,546</b>	400995	<b>1,960</b>
1 3/4			551108	<b>1,336</b>	551109	<b>1,652</b>	400996	<b>2,367</b>
2			180730	<b>1,412</b>	400985	<b>1,955</b>	400997	<b>2,795</b>
Qty. Per Box	200				100			

Diameter	1/2"		5/8"		3/4"	
	Wrench Key Size 1/4"		Wrench Key Size 5/16"		Wrench Key Size 3/8"	
Length	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs	Part No.	₹ Price/ 100 Pcs
1/2	401003	<b>729</b>				
5/8	401005	<b>818</b>	401015	<b>1,931</b>		
3/4	401006	<b>1,032</b>	401016	<b>1,990</b>	401024	<b>4,410</b>
1	401008	<b>1,275</b>	401017	<b>2,297</b>	401025	<b>5,310</b>
1 1/4	401009	<b>1,780</b>	401018	<b>2,984</b>	551110	<b>6,542</b>
1 1/2	401010	<b>4,131</b>	401019	<b>5,598</b>	401026	<b>9,097</b>
1 3/4	401012	<b>5,380</b>	401020	<b>7,548</b>	401027	<b>10,710</b>
2	401013	<b>5,885</b>	401021	<b>6,864</b>	401028	<b>12,600</b>
2 1/2	401014	<b>7,411</b>	401022	<b>10,001</b>	401029	<b>15,425</b>
3	702408	<b>9,086</b>	401023	<b>12,140</b>	401030	<b>18,582</b>
Qty. Per Box	100		50			

- 1. Specifications :** As per standard ASME/ANSI B18.3.
- 2. Threads :** BS Whitworth, Medium as per BS 84
- 3. Material :** Unbrako high grade alloy steel.
- 4. Mechanical Properties :** As per BS 2470.
- 5. NOTE :** PRICES FOR SPECIAL POINTS 25% EXTRA.
- Socket set screws with BSF/UNC/UNF threads can also be manufactured subject to MOQ. Price on request.
- Bold black lines are used to indicate quantity per box.
- 8. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.



## Button Head Socket Screws

Metric

Diameter	M3 Wrench Key Size 2mm			M4 Wrench Key Size 2.5mm			M5 Wrench Key Size 3mm			M6 Wrench Key Size 4mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
5	180248	<b>764</b>	200										
6	106353	<b>764</b>	200	180200	<b>552</b>	200	180398	<b>1,054</b>	200				
8	106354	<b>620</b>	200	106360	<b>552</b>	200	180175	<b>1,044</b>	200	180249	<b>1,990</b>	200	
10	106357	<b>711</b>	200	106361	<b>552</b>	200	106365	<b>552</b>	200	106372	<b>725</b>	200	
12	106358	<b>791</b>	200	106363	<b>606</b>	200	106366	<b>606</b>	200	106373	<b>738</b>	200	
15				401218	<b>738</b>	200	401219	<b>711</b>	200	401222	<b>843</b>	200	
16	106359	<b>1,001</b>	200	106364	<b>738</b>	200	106367	<b>711</b>	200	106374	<b>843</b>	200	
18							406269	<b>1,555</b>	200	401223	<b>843</b>	200	
20							106368	<b>843</b>	200	106375	<b>909</b>	200	
22							401220	<b>1,818</b>	200				
25							106369	<b>1,001</b>	200	106376	<b>948</b>	200	
30							106370	<b>1,133</b>	200	106378	<b>989</b>	200	

Diameter	M8 Wrench Key Size 5mm			M10 Wrench Key Size 6mm			M12 Wrench Key Size 8mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
10	106379	<b>1,213</b>	200							
12	106380	<b>1,028</b>	200							
15	401226	<b>1,054</b>	200							
16	106382	<b>1,054</b>	200	106392	<b>2,107</b>	200	106403	<b>3,557</b>	100	
20	106384	<b>1,079</b>	200	106393	<b>1,435</b>	200	106404	<b>3,820</b>	100	
25	106385	<b>1,265</b>	200	106396	<b>1,647</b>	200	106405	<b>3,978</b>	100	
30	106386	<b>1,449</b>	200	106399	<b>1,845</b>	200	106406	<b>4,452</b>	100	
35	106389	<b>1,765</b>	200	106401	<b>2,069</b>	200	106407	<b>4,927</b>	100	
40	106390	<b>1,976</b>	200	106402	<b>2,292</b>	100	106408	<b>5,400</b>	50	
50							106413	<b>6,349</b>	50	

- 1. Specifications :** Generally conforming to BS 4168.
- 2. Thread :** ISO Metric (Coarse Series) 4g6g.
- 3. Material :** Unbrako High Grade Alloy Steel.
- 4. Mechanical Properties :** Properties Class conforming to 12.9 as per BS 6104, ISO 898 Part - I.
- 5. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 6. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



## Flange Button Head Socket Screws

Metric

Diameter	M3 Wrench Key Size 2mm			M4 Wrench Key Size 2.5mm			M5 Wrench Key Size 3mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
6	404977	<b>1,301</b>	200							
8				404982	<b>1,146</b>	200				
10				404983	<b>1,331</b>	200	404988	<b>1,185</b>	200	
12				404984	<b>1,475</b>	200	404989	<b>1,290</b>	200	
16				404986	<b>1,704</b>	200	404991	<b>1,555</b>	200	
20							404992	<b>1,634</b>	200	
25							404994	<b>1,739</b>	200	

Diameter	M6 Wrench Key Size 4mm			M8 Wrench Key Size 5mm			M10 Wrench Key Size 6mm			
	Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
10	180079	<b>1,700</b>	200	405005	<b>3,610</b>	200				
12	404997	<b>1,673</b>	200	405007	<b>1,634</b>	200				
16	404999	<b>1,962</b>	200	405009	<b>1,896</b>	200	405016	<b>3,293</b>	200	
20	405001	<b>2,243</b>	200	405011	<b>2,134</b>	200	405017	<b>3,689</b>	200	
25	405003	<b>2,596</b>	200	405012	<b>2,464</b>	200	405018	<b>4,190</b>	200	
30	405004	<b>2,951</b>	200	405013	<b>2,793</b>	200	405019	<b>4,703</b>	200	
40				405015	<b>3,425</b>	200				



- 1. Specification :** Generally conforming to Unbrako specification.
- 2. Thread :** ISO Metric (Coarse Series) 4g6g.
- 3. Material :** Unbrako high grade alloy steel.
- 4. Mechanical Properties :** Properties Class conforming to 12.9 as per ISO 898 Part - I.
- 5. Plating :** No guarantee can given for Unbrako products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.
- 6. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.**



## Hexagon Wrenches

Length	Part No.	₹ Price/ 100 Pcs	Box Qty	Length	Part No.	₹ Price/ 100 Pcs	Box Qty
1/16	108468	<b>1,118</b>	100	1.5	125648	<b>1,118</b>	100
5/64	110164	<b>1,233</b>	100	2	122263	<b>1,118</b>	100
3/32	110180	<b>1,233</b>	100	2.5	122270	<b>1,118</b>	100
1/8	110213	<b>1,233</b>	100	3	121093	<b>1,233</b>	100
5/32	110246	<b>1,461</b>	100	4	119953	<b>1,935</b>	100
3/16	115915	<b>1,891</b>	100	5	122245	<b>2,360</b>	100
7/32	115948	<b>2,571</b>	50	6	121066	<b>3,360</b>	50
1/4	115981	<b>3,725</b>	50	8	115557	<b>6,328</b>	50
5/16	115997	<b>6,189</b>	25	10	120859	<b>10,561</b>	25
3/8	116013	<b>9,155</b>	25	12	120806	<b>19,868</b>	25
1/2	116046	<b>21,122</b>	10	14	111100	<b>29,224</b>	25
9/16	116063	<b>27,025</b>	10	17	138487	<b>46,219</b>	10
5/8	116080	<b>39,461</b>	10	19	111133	<b>63,780</b>	10
3/4	116096	<b>63,811</b>	10	22	402603	<b>100,526</b>	5
				24	402604	<b>135,159</b>	5
				27	402605	<b>227,541</b>	2
				32	402606	<b>400,157</b>	2

## Hex Wrench Sets

STANDARD (METRIC)				
Sets	Wrenches Box Set	Part No.	₹ Price/100 Pcs	Box Qty
Standard (Metric)	 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, Set of 9	402616	<b>34,700</b>	50
STANDARD (INCH)				
Sets	Wrenches Box Set	Part No.	₹ Price/100 Pcs	Box Qty
Standard (Inch)	 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", Set of 10	402615	<b>36,400</b>	50

### 1. Specifications :

A. Inch Series : BS 2470 B. Metric Series : IS 3082, DIN 911.

2. Material : UNBRAKO high grade alloy steel.

3. Mechanical Properties : Hardness : HRC 47 (Min).

4. Plating : No guarantee can given for Unbrako Products which are plated by users or by outside plates, who may not have considered hydrogen embrittlement problem.

5. Products can be supplied with Hot Dip Galvanized and Electro Galvanized Plating. Prices available on request.