



PRICE LIST

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

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Socket Screws

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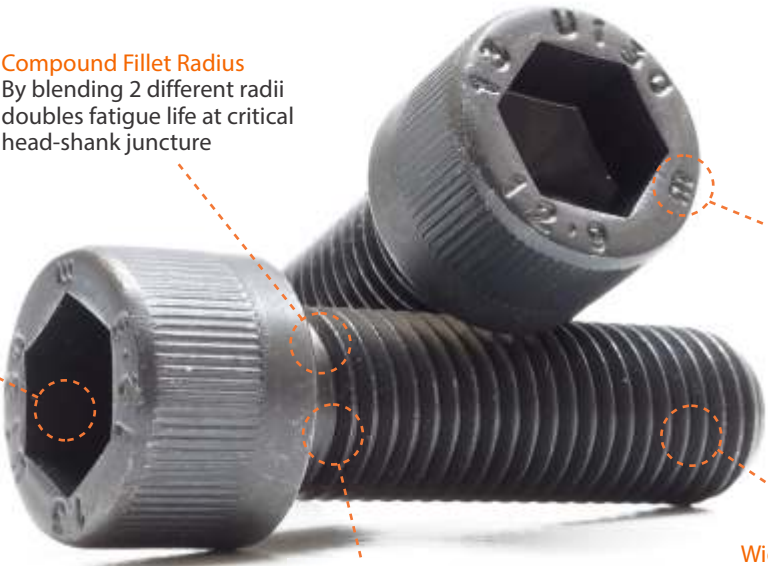
Unbrako Socket Range

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



Compound Fillet Radius
By blending 2 different radii doubles fatigue life at critical head-shank juncture

Better installation ability
Deep, accurate socket for perfect fit and high-torque wrenching

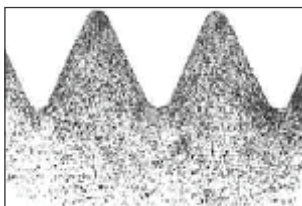
Patented E-Code™ "Lot Code" Markings
The ultimate in fastener traceability

Higher Min ULT Tensile
Unbrako Socket Screws are 10,000 PSI stronger than industry standard

3R Radiused Root Runout Thread
Increases fatigue life up to 300%

Wide Radius Threads
Fully formed radiused thread increases fatigue life 100% over flat root thread forms.

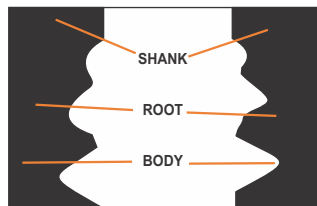
Contour flow & root radius



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.

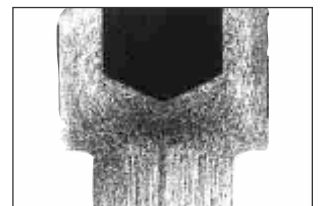
The sharp angle at the root of conventional threads results in high stress concentration and crack initiation points.

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	1,028	200										
12	114972	775	200	106237	1,208	200							
16	103058	645	200	103080	1,124	200	106247	3,442	100				
20	122086	693	200	113163	1,171	200	112607	2,907	100				
25	119351	711	200	115060	1,118	100	122250	2,547	100	400528	6,804	50	
30	119383	852	200	122114	1,199	100	122251	2,419	100	400529	6,618	50	
35	122113	853	200	113257	1,295	100	125530	2,462	100	400530	5,564	50	
40	113143	975	200	100845	1,545	100	114996	2,485	100	400531	5,695	50	
45	121076	1,139	200	121088	1,708	100	115075	2,722	50	400532	5,799	50	
50	121068	1,199	200	125660	1,869	100	112360	2,585	50	120863	5,929	50	
55	103063	1,324	100	103087	2,018	100	122255	3,099	50	400533	6,003	50	
60	121070	1,425	100	122217	2,183	100	122260	3,191	50	112000	6,360	50	
65	103064	1,550	100	103088	2,358	100	122261	3,350	50	400534	6,456	50	
70	103066	1,702	100	125786	2,542	50	103098	3,527	50	400535	6,962	50	
75	103069	1,757	100	103090	2,708	50	103099	3,792	50	400536	7,371	50	
80	103070	2,535	100	103091	3,745	50	103100	4,427	50	400537	7,716	20	
90	103073	2,941	100	103094	4,282	50	103103	5,005	50	400538	7,892	20	
100	103075	3,489	100	103095	4,879	50	122142	5,530	50	400539	9,795	25	
110	103076	4,361	100	103096	5,779	50	125791	6,810	25	400540	10,941	25	
120	103077	5,093	50	103097	5,845	50	103104	7,830	25	400508	11,501	25	
130	106230	6,179	50	106240	7,958	50	103107	9,264	25	180223	12,994	25	
140	106231	6,637	50	106241	8,880	50	103108	10,331	25	180103	14,260	25	
150	106232	7,168	50	106242	9,876	50	103110	11,420	25	180225	15,240	25	
160	106233	7,859	100	106243	12,963	50	107456	18,829	25	180226	15,812	10	
170	700125	8,485	100	210001	14,293	50	181063	21,278	20	210002	17,269	10	
180	106234	8,944	100	106244	14,582	25	107458	20,701	20	180227	18,286	10	
200	106235	9,884	100	106245	15,587	25	107459	22,410	20	551663	20,639	10	
220				400517	20,025	25	400570	24,796	20	791320	22,703	10	
230							183555	31,054	20	791321	23,620	10	
240							400571	37,226	20	791322	24,652	10	
260							400572	42,540	20	791323	26,486	10	
280							400573	44,568	20	791324	28,551	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	6,511	50									
25	106248	6,335	50				210006	15,500	25			
30	103112	6,335	50	183894	17,777	20	107465	15,079	10			
35	103113	5,199	50	400541	17,999	20	107466	15,278	10			
40	125751	5,181	50	400542	15,762	20	103130	13,375	10	180408	20,227	10
45	103115	5,552	50	400606	15,876	25	103131	13,844	10	180409	21,401	10
50	112474	5,535	25	100844	16,000	10	103132	12,896	10	180181	19,111	10
55	103117	5,892	25	400543	16,099	10	103136	13,661	10	180182	20,915	10
60	112594	5,784	25	400544	16,228	10	103137	13,071	10	180183	22,098	10
65	103118	6,477	20	400545	16,360	25	103138	13,888	10	180184	23,943	10
70	103119	6,990	20	400546	17,471	10	103141	14,832	10	180185	25,070	10
75	103120	7,598	20	400547	18,612	10	103142	15,799	10	210007	26,576	10
80	125658	7,737	20	400549	18,975	10	103143	15,301	10	180186	27,932	10
90	103122	8,624	10	400550	19,359	10	103144	16,427	10	180187	28,508	10
100	103123	9,826	10	400551	20,308	10	103145	17,706	10	180188	30,896	10
110	103124	10,968	20	400548	22,471	25	103146	19,599	10	180189	32,695	10
120	103126	11,538	20	400552	24,611	15	103148	21,491	10	180190	35,334	5
130	103127	13,151	20	180311	27,404	10	103150	23,358	10	180191	47,767	5
140	103128	14,086	20	180229	30,424	10	103151	25,235	10	180192	54,292	5
150	103129	15,010	20	180407	31,797	10	103152	27,634	10	180193	72,384	5
160	103364	29,887	10	180230	33,918	10	107462	35,418	10	180194	85,316	5
170	180418	33,286	10	210005	40,167	10	180495	40,448	10	791330	88,576	5
180	107460	34,215	10	100231	47,712	10	107463	40,448	10	180196	93,840	5
200	107448	36,782	10	551668	50,795	10	107464	42,190	10	180198	100,438	5
220	400574	42,456	10	791325	55,610	10	400553	43,946	10	210008	107,358	5
230	182815	48,134	10	791326	58,477	10	181001	56,410	5	791331	111,981	5
240	400575	49,882	10	791327	60,770	10	400554	68,874	5	210009	119,121	5
260	400576	62,975	10	791328	65,356	10	400555	84,487	5	210010	127,881	5
280	400577	76,059	10	551667	69,943	10	400556	100,087	5	210011	132,927	5
300	400578	81,492	10	791329	74,529	10	400557	107,235	5	210012	142,423	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	17,813	10							
50	103155	17,064	10					551648	38,735	5
55	103157	19,203	10							
60	103158	19,739	10	180233	35,086	5	180207	34,937	5	
65	103159	20,986	10	581201	37,265	5	210014	34,696	5	
70	103160	22,389	10	180326	38,057	5	116464	38,407	5	
75	103161	23,722	10	210013	39,990	5	182283	40,037	5	
80	103162	24,950	10	406161	42,666	5	140610	41,547	5	
90	103163	26,172	10	406162	45,671	5	140611	43,646	5	
100	103165	27,601	10	406163	48,716	5	140612	48,771	5	
110	103166	29,191	10	406164	51,764	5	140613	51,815	5	
120	103167	32,441	10	400607	54,807	5	140614	54,861	5	
130	103168	33,922	5	406165	58,611	5	140615	58,670	5	
140	103170	36,275	5	406166	60,896	5	140616	62,661	5	
150	103171	38,646	5	400608	64,707	5	140617	64,778	5	
160	104143	64,307	5	400609	102,004	5	140618	97,479	4	
180	104146	67,132	5	406168	112,665	5	140620	107,657	4	
200	104147	71,863	5	400579	122,567	5	140621	117,113	5	
220	400560	76,910	5	180003	152,784	4	400622	145,429	3	
240	400561	81,963	5	406171	169,297	4	400623	159,375	3	
260	400562	84,526	5	406172	184,405	3	140624	167,311	2	
280	400563	88,804	5	406173	196,815	3	140625	178,276	2	
300	400564	95,149	5	406174	207,644	3	400626	189,245	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	61,815	5							
80	180254	62,423	5	140629	74,982	5				
90	400649	69,643	5	140630	81,864	5	182336	115,648	5	
100	400628	72,773	5	140631	81,887	5	400645	126,692	12	
110	180255	74,610	5	400632	86,334	4	700380	130,135	12	
120	180256	81,443	5	140633	90,064	4	183113	141,519	10	
130	405492	87,642	5	400634	93,047	4	182331	144,562	10	
140	180257	90,594	4	140635	102,727	3	700383	156,420	9	
150	180258	95,164	4	140636	106,430	3	180960	159,702	9	
160	180259	125,994	4	140637	143,227	3	181289	223,352	9	
180	180261	140,068	3	140639	160,032	3	182059	237,049	8	
200	180263	152,248	3	140640	173,431	2	181290	256,813	7	
220	210016	188,678	3	180294	214,432	2	400647	322,181	7	
240	210017	203,257	3	140641	220,330	2	182510	335,831	6	
260	210018	212,629	2	140642	235,967	9	700390	358,204	6	
280	210019	224,334	2	180411	251,652	8	181291	380,599	6	
300	210020	241,851	2	140643	274,808	8	180863	402,987	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	456	200	400068	545	200							
1/2	400057	456	200	400069	529	200	400085	752	200	400101	1,139	200	
5/8	400058	402	200	400070	519	200	400086	641	200	400102	1,107	200	
3/4	400059	456	200	400071	545	200	400087	688	200	400103	949	200	
7/8	551219	484	200	400072	563	200	400088	698	200	400104	1,083	200	
1	400061	510	200	400073	610	200	400089	747	200	400105	1,053	200	
1 1/4	400062	564	200	400074	671	200	400090	856	200	400106	1,154	100	
1 1/2	400063	644	200	400075	770	200	400091	957	200	400107	1,285	100	
1 3/4	400064	733	200	400076	943	200	400092	1,131	200	400108	1,535	50	
2	400065	733	200	400077	918	200	400093	1,131	200	400109	1,595	100	
2 1/4	210021	867	200	400078	1,859	200	400094	1,359	200	400110	1,842	100	
2 1/2	400066	965	200	400079	1,912	200	400095	1,359	100	400111	1,978	100	
2 3/4				400080	2,237	200	404433	1,658	100	400112	2,213	100	
3				400081	2,237	200	400096	1,658	100	400113	2,213	100	
3 1/4				400082	2,682	200	701026	2,768	100	400114	3,241	50	
3 1/2				400083	2,607	200	400098	2,768	100	400115	3,320	50	
4				400084	2,954	100	400099	3,284	100	400116	3,897	50	
4 1/2							400100	5,296	100	400117	5,905	50	
5							701030	5,968	100	400118	7,008	50	
5 1/2										400181	8,422	50	
6										400119	8,916	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	2,638	100	400130	2,988	100		210033	5,641	50
7/8	791967	2,638	100	402942	2,988	100		400150	5,487	50
1	400121	2,552	100	400131	2,539	100		400151	4,769	50
1 1/4	400122	2,552	100	400132	2,661	100		400152	4,936	50
1 1/2	400123	2,602	100	400133	2,708	50		400153	5,251	50
1 3/4	400124	2,781	100	400134	2,893	50		400154	5,499	20
2	400125	2,781	100	400135	3,024	50		400155	5,976	20
2 1/4	210025	3,197	50	400136	3,486	50		400156	6,143	20
2 1/2	701059	3,350	50	400137	3,636	50		400157	6,560	20
2 3/4	210026	3,607	50	400138	3,949	50		400158	6,743	20
3	400127	3,675	20	400139	4,293	50		701096	7,536	10
3 1/4	210027	4,889	50	400140	5,133	50		400159	7,863	10
3 1/2	400128	4,755	50	400141	5,133	20		400160	9,342	10
4	400129	5,507	20	400142	6,104	25		400161	9,642	15
4 1/2	210028	8,129	50	400143	7,293	25		400162	10,634	15
5	210029	7,909	25	400144	8,979	25		400163	13,575	20
5 1/2	210030	9,266	50	400145	9,886	20		400164	14,792	20
6	210031	9,276	25	400146	10,233	20		400165	30,567	10
6 1/2				400147	20,301	20		400166	31,420	10
7				400148	20,708	15		210035	32,625	10
7 1/2				210032	21,520	15		400167	33,711	10
8				400149	23,051	25		210036	45,344	10
8 1/2								210037	44,205	10
9								210038	57,841	10
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"			7/8"			1"		
	Wrench Key Size 9/16"			Wrench Key Size 9/16"			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	14,076	50						
1 1/4	400168	13,694	10						
1 1/2	400169	12,078	10	400187	19,451	10	210054	18,233	15
1 3/4	400170	12,353	10	210043	20,785	10	210055	18,949	15
2	400171	12,699	10	400188	20,220	10	400194	19,313	10
2 1/4	400172	12,973	10	404637	22,389	10	404571	21,400	10
2 1/2	400173	12,973	10	400189	21,782	10	400195	21,400	10
2 3/4	400174	14,362	10	210044	25,178	10	210056	24,103	10
3	400175	14,764	10	400190	24,543	10	400196	23,448	10
3 1/4	400176	15,338	10	701133	27,824	10	210057	25,856	10
3 1/2	400177	14,922	10	400191	27,068	10	400197	25,856	10
4	400178	16,083	10	400192	28,558	10	400198	28,560	5
4 1/2	400179	19,021	10	701136	33,580	10	400199	31,992	5
5	400180	20,666	10	701137	37,083	10	400200	35,439	5
5 1/2	701121	23,506	10	210047	38,611	10	183785	36,888	5
6	400182	25,801	10	400193	42,272	10	400201	41,167	5
6 1/2	400183	32,981	10	210048	73,389	5	210059	67,728	5
7	400184	33,745	10	701139	73,389	5	400202	70,164	5
7 1/2	210040	35,476	10	210050	76,042	5	210060	72,673	5
8	400185	35,211	10	210051	75,580	5	400203	75,109	5
8 1/2	210041	41,998	10	210052	81,989	5	210061	82,133	5
9	400186	41,998	10	210053	81,989	5	210062	84,499	5
10	701127	46,664	5	551078	93,305	5	210063	93,888	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 Wrench Key Size 2mm		M4 Wrench Key Size 2.5mm		M5 Wrench Key Size 3mm		M6 Wrench Key Size 4mm		M8 Wrench Key Size 5mm	
	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	876								
8	103303	1,033	103309	561	103318	831	103325	642		
10	103304	1,110	103311	561	103319	546	103328	647		
12	103305	1,191	103312	566	103320	595	103329	630	103337	843
14					401676	618	401678	688		
16	103306	1,349	103313	639	103321	639	103330	708	103338	820
18			401675	651	401677	647	401679	733	401681	831
20	103308	1,508	103315	659	103322	654	103331	756	103340	880
25	106284	1,668	103316	809	103323	769	103332	862	103341	1,009
30			103317	977	103324	977	103333	992	103342	1,154
35			220001	2,028	106289	1,301	103334	1,127	103343	1,313
40			220002	2,169	220005	2,028	103335	1,326	103344	1,538
45			220003	2,440	220006	2,283	220008	2,361	106297	1,727
50			220004	2,711	220007	2,534	220009	2,954	220011	2,707
55							220010	3,248	220012	3,232
60									220013	3,525
Qty. Per Box					200					

Diameter	M10 Wrench Key Size 6mm		M12 Wrench Key Size 8mm		M16 Wrench Key Size 10mm		M20 Wrench Key Size 12mm		M24 Wrench Key Size 14mm	
	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	1,442								
16	103347	1,371								
20	103348	1,178	103353	2,659						
25	103349	1,368	103354	2,498						
30	103350	1,568	103355	2,861	103359	5,377				
35	103351	1,803	103356	3,077	103360	5,795	106328	13,436		
40	103352	2,066	103357	3,317	103361	6,039	106332	11,657		
45	106302	2,325	106311	3,755	106318	6,815	106334	12,506		
50	106303	2,624	103358	4,096	103362	6,847	106335	13,332	220032	22,628
55	106304	3,232	106312	4,673	106320	7,847	106336	14,150	220033	24,525
60	220014	3,525	106313	5,036	103363	8,280	106337	14,964	401689	26,420
65	220015	3,819	220020	5,728	183908	8,713	183912	15,812	220034	28,316
70	220016	4,113	220021	6,168	106321	9,148	106338	16,660	401690	30,213
75	220017	5,288	220022	6,610	220025	11,272	183913	18,110	220035	32,109
80	220018	5,640	220023	7,650	220026	11,781	106339	20,748	401691	34,004
90	220019	6,345			106325	12,877	106341	21,566	401692	37,798
100					629621	15,223	106342	26,770	401693	42,980
110							220029	29,598	701356	48,162
120							220030	32,424	183179	53,346
130							220031	34,922	701358	58,529
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
Length								
8	106250	1,103	106262	1,103	106263	1,103		
10	106251	851	103500	756	103508	734		
12	106255	767	103501	767	103509	737	103519	957
15			400790	1,040	400792	1,008	400791	1,172
16	106256	819	103502	749	103511	710	103520	869
20	106257	903	103597	794	103512	794	103521	901
25	106260	903	103503	856	103515	879	103525	963
30	406185	1,512	103505	972	103516	965	103526	1,083
35					103517	1,061	103528	1,174
40					103518	1,575	103529	1,264
45					106264	1,748		
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
Length												
16	103532	1,324	200									
20	103533	1,170	200	103549	3,255	100						
25	103534	1,293	200	103550	2,888	100						
30	103535	1,449	200	103551	2,783	100	103562	5,718	25			
35	103536	1,533	200	103552	2,814	100	103563	6,146	25			
40	103538	1,654	100	103553	2,835	50	103564	6,039	25	103578	14,385	25
45	106271	2,814	100				106277	5,718	25			
50	103541	3,058	100	103554	3,057	50	103565	6,508	25	103580	16,905	25
55	106272	3,310	100									
60				103555	4,417	50	103566	9,542	25	103581	19,425	25
90							103574	13,608	25			
100							103575	14,650	25	103599	30,135	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	4,352	50										
12	105365	4,722	50	105375	4,345	50							
15	401484	5,454	50	401486	5,459	50	401487	6,650	50	401485	14,438	25	
16	105366	5,454	50	105377	5,601	50	105388	6,840	50	105404	8,889	25	
20	105368	6,186	50	105379	6,286	50	105390	7,598	50	105406	9,780	25	
25	105370	7,102	50	105380	7,145	50	105392	8,552	50	105407	10,900	25	
30	105372	8,020	50	105381	8,007	50	105393	9,500	50	105410	12,019	25	
40	105373	9,458	50	105383	9,725	50	105394	11,397	50	105411	14,256	25	
50				105386	10,679	50	105395	11,970	50	105412	15,942	25	
60							105396	12,651	50	105416	18,105	25	
70							105402	14,251	50	105417	19,236	25	
80							106422	15,831	50	105420	20,111	25	
90										105427	20,352	25	
100										105433	23,989	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	18,493	25							
40	105435	21,744	25	105441	50,730	10				
50	105436	24,994	25	105442	57,379	10	401488	175,459	5	
60	105437	28,243	25	105444	64,026	10	401489	191,976	5	
70	105438	31,494	25	105448	70,676	10	401490	208,492	5	
80	105440	33,584	25	105449	77,324	10	401491	225,015	5	
90	106343	34,827	25	105450	83,974	10	401492	241,530	5	
100	106344	41,243	25	106347	90,620	10	401493	258,047	5	
120	106346	63,655	25	106348	103,917	10	401494	291,085	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)



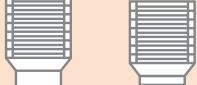

Knurled Cup Point

Metric

Diameter	M3 Wrench Key Size 1.5mm		M4 Wrench Key Size 2mm		M5 Wrench Key Size 2.5mm		M6 Wrench Key Size 3mm		M8 Wrench Key Size 4mm	
	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
3	104076	355								
4	103172	359	103182	294						
5	103175	364	103185	294	103194	205				
6	103176	351	103186	298	103195	208	103207	217	180002	428
8	103177	356	103187	319	103196	208	103208	236	103224	261
10	103178	375	103188	324	103197	226	103209	266	103227	273
12	103179	399	103189	359	103198	273	103211	305	103228	331
16	103180	525	103191	490	103199	317	103212	390	103229	402
20	551093	551	103193	595	103202	389	103214	421	103230	521
25			701961	645	103203	426	103217	544	103231	645
30			406498	1,175	103204	594	103218	718	103235	754
35			551679	1,563	181179	924	103219	1,101	103236	1,009
40			551680	2,011	551094	1,155	103220	1,245	103237	1,194
45							103221	1,325	701998	1,305
50							103222	1,558	103240	1,494
55									551095	2,582
60									551096	2,818
65									551097	3,261
Qty. Per Box	200									

- 1. Specification :** Generally conforming to the following standards
- 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 POINTS SHOWN BELOW WILL BE 25% EXTRA.
- 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.**

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

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	549						
10	103241	427	551687	840				
12	103244	497	103256	705				
16	103245	663	103258	843	106352	1,920		
20	103246	817	103259	1,069	103274	1,932	104149	6,321
25	103247	989	103260	1,466	103276	2,619	103286	7,053
30	103249	1,424	103261	1,695	103277	3,101	103287	8,154
35	103251	1,644	103262	2,300	103278	3,878	103288	9,296
40	103252	1,825	103263	2,552	103279	4,496	103289	10,395
45	103253	2,090	103269	2,834	103281	4,979	103290	11,541
50	103254	2,422	103270	3,093	103282	5,976	103292	12,625
55	551098	4,007	103271	5,341	103283	7,585	103293	14,928
60	183091	4,468	103272	5,999	103284	8,115	103294	15,862
65	551099	4,663	551100	7,482	551102	9,613	551105	17,876
70			551101	8,060	182790	12,236	551106	18,871
75					551103	13,718	551107	20,516
80					551104	14,634	793979	22,714
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	214						
1/4	400951	208	400961	247				
5/16	400952	219	400963	261	400986	261		
3/8	400953	226	400965	273	400977	273	400988	320
1/2	400954	260	400967	278	400978	285	400989	432
5/8	551209	293	400969	362	400979	352	400990	510
3/4	400956	359	400970	550	400980	461	400991	629
1	400957	509	400972	536	400982	645	400993	769
1 1/4			400973	624	400984	761	400994	1,106
1 1/2			400974	1,055	400983	1,546	400995	1,960
1 3/4			551108	1,336	551109	1,652	400996	2,367
2			180730	1,412	400985	1,955	400997	2,795
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	729				
5/8	401005	818	401015	1,931		
3/4	401006	1,032	401016	1,990	401024	4,410
1	401008	1,275	401017	2,297	401025	5,310
1 1/4	401009	1,780	401018	2,984	551110	6,542
1 1/2	401010	4,131	401019	5,598	401026	9,097
1 3/4	401012	5,380	401020	7,548	401027	10,710
2	401013	5,885	401021	6,864	401028	12,600
2 1/2	401014	7,411	401022	10,001	401029	15,425
3	702408	9,086	401023	12,140	401030	18,582
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		
	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	764	200									
6	106353	764	200	180200	552	200	180398	1,054	200			
8	106354	620	200	106360	552	200	180175	1,044	200	180249	1,990	200
10	106357	711	200	106361	552	200	106365	552	200	106372	725	200
12	106358	791	200	106363	606	200	106366	606	200	106373	738	200
15				401218	738	200	401219	711	200	401222	843	200
16	106359	1,001	200	106364	738	200	106367	711	200	106374	843	200
18							406269	1,555	200	401223	843	200
20							106368	843	200	106375	909	200
22							401220	1,818	200			
25							106369	1,001	200	106376	948	200
30							106370	1,133	200	106378	989	200

Diameter	M8 Wrench Key Size 5mm			M10 Wrench Key Size 6mm			M12 Wrench Key Size 8mm		
	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty	Part No.	₹ Price/ 100 Pcs	Box Qty
10	106379	1,213	200						
12	106380	1,028	200						
15	401226	1,054	200						
16	106382	1,054	200	106392	2,107	200	106403	3,557	100
20	106384	1,079	200	106393	1,435	200	106404	3,820	100
25	106385	1,265	200	106396	1,647	200	106405	3,978	100
30	106386	1,449	200	106399	1,845	200	106406	4,452	100
35	106389	1,765	200	106401	2,069	200	106407	4,927	100
40	106390	1,976	200	106402	2,292	100	106408	5,400	50
50							106413	6,349	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	1,301	200							
8				404982	1,146	200				
10				404983	1,331	200	404988	1,185	200	
12				404984	1,475	200	404989	1,290	200	
16				404986	1,704	200	404991	1,555	200	
20							404992	1,634	200	
25							404994	1,739	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	1,700	200	405005	3,610	200				
12	404997	1,673	200	405007	1,634	200				
16	404999	1,962	200	405009	1,896	200	405016	3,293	200	
20	405001	2,243	200	405011	2,134	200	405017	3,689	200	
25	405003	2,596	200	405012	2,464	200	405018	4,190	200	
30	405004	2,951	200	405013	2,793	200	405019	4,703	200	
40				405015	3,425	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	1,118	100	1.5	125648	1,118	100
5/64	110164	1,233	100	2	122263	1,118	100
3/32	110180	1,233	100	2.5	122270	1,118	100
1/8	110213	1,233	100	3	121093	1,233	100
5/32	110246	1,461	100	4	119953	1,935	100
3/16	115915	1,891	100	5	122245	2,360	100
7/32	115948	2,571	50	6	121066	3,360	50
1/4	115981	3,725	50	8	115557	6,328	50
5/16	115997	6,189	25	10	120859	10,561	25
3/8	116013	9,155	25	12	120806	19,868	25
1/2	116046	21,122	10	14	111100	29,224	25
9/16	116063	27,025	10	17	138487	46,219	10
5/8	116080	39,461	10	19	111133	63,780	10
3/4	116096	63,811	10	22	402603	100,526	5
				24	402604	135,159	5
				27	402605	227,541	2
				32	402606	400,157	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	34,700	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	36,400	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.