

A VENTURE OF
PELICAN GROUP

PELICAN
ENGITECH PRIVATE LIMITED

SOCKET & HEX PRODUCTS - STANDARD APPLICATION



Retail Price List
Effective 1st May 2026

EBROTM
Precision & High Quality Fasteners

BIS Certificate

IS : 1364-1



CM/L 7600169118

IS : 1364-2



CM/L 7600169211

IS : 2269



CM/L 7600174616



ISO 9001



IATF 16949



GPCB



Esteemed Customers

Machine
Manufacturers



Automotive
Industries



Electric
Equipment
Sector



OEM
Industries



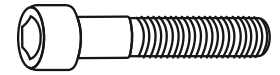
Special
Purpose
Segment



Agriculture
Industries



Socket Head Cap Screw Metric Series M3-M16

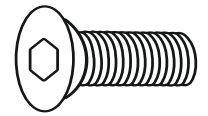


RECOMMENDED RETAIL PRICE IN RUPEES PER 100 PIECES

Diameter Length	M3	M4	M5	M6	M8	M10	M12	M14	M16
6 mm	₹ 957	₹ 786	₹ 853	₹ 901					
8 mm	₹ 759	₹ 660	₹ 585	₹ 552	₹ 951				
10 mm	₹ 649	₹ 501	₹ 452	₹ 503	₹ 978	₹ 1,538			
12 mm	₹ 664	₹ 535	₹ 465	₹ 524	₹ 919	₹ 1,535			
14 mm	₹ 625	₹ 517	₹ 494	₹ 572	₹ 878	₹ 1,455			
16 mm	₹ 625	₹ 517	₹ 494	₹ 572	₹ 878	₹ 1,455	₹ 2,900		
18 mm	₹ 658	₹ 560	₹ 534	₹ 629	₹ 950	₹ 1,404	₹ 2,671		
20 mm	₹ 658	₹ 560	₹ 534	₹ 629	₹ 950	₹ 1,404	₹ 2,671	₹ 7,799	₹ 5,696
22 mm	₹ 694	₹ 616	₹ 573	₹ 688	₹ 1,003	₹ 1,511	₹ 2,960	₹ 6,407	₹ 6,222
25 mm	₹ 694	₹ 616	₹ 573	₹ 688	₹ 1,003	₹ 1,511	₹ 2,960	₹ 6,407	₹ 6,222
30 mm	₹ 913	₹ 793	₹ 654	₹ 753	₹ 1,113	₹ 1,695	₹ 3,003	₹ 6,565	₹ 6,919
35 mm	₹ 1,178	₹ 814	₹ 717	₹ 846	₹ 1,199	₹ 1,842	₹ 3,157	₹ 6,506	₹ 6,548
40 mm	₹ 1,245	₹ 963	₹ 777	₹ 928	₹ 1,357	₹ 1,940	₹ 3,299	₹ 6,601	₹ 6,774
45 mm		₹ 1,040	₹ 824	₹ 1,018	₹ 1,475	₹ 2,221	₹ 3,464	₹ 7,019	₹ 6,968
50 mm		₹ 1,314	₹ 887	₹ 1,071	₹ 1,591	₹ 2,342	₹ 3,587	₹ 6,932	₹ 7,202
55 mm		₹ 1,819	₹ 1,103	₹ 1,160	₹ 1,709	₹ 2,584	₹ 3,876	₹ 7,328	₹ 7,585
60 mm		₹ 2,294	₹ 1,188	₹ 1,347	₹ 1,838	₹ 2,772	₹ 4,078	₹ 7,760	₹ 8,032
65 mm		₹ 2,388	₹ 1,270	₹ 1,473	₹ 1,968	₹ 2,971	₹ 4,323	₹ 7,907	₹ 8,367
70 mm		₹ 2,913	₹ 1,352	₹ 1,567	₹ 2,084	₹ 3,153	₹ 4,629	₹ 8,540	₹ 8,830
75 mm		₹ 3,463	₹ 2,219	₹ 1,687	₹ 2,221	₹ 3,363	₹ 4,874	₹ 9,076	₹ 9,345
80 mm			₹ 2,524	₹ 2,021	₹ 2,714	₹ 4,059	₹ 5,460	₹ 9,466	₹ 9,947
85 mm			₹ 2,752	₹ 2,207	₹ 3,128	₹ 4,509	₹ 6,110	₹ 9,947	₹ 10,534
90 mm			₹ 2,752	₹ 2,207	₹ 3,128	₹ 4,509	₹ 6,110	₹ 9,947	₹ 10,534
95 mm			₹ 3,218	₹ 2,435	₹ 3,563	₹ 4,948	₹ 6,704	₹ 12,021	₹ 12,396
100 mm			₹ 3,218	₹ 2,435	₹ 3,563	₹ 4,948	₹ 6,704	₹ 12,021	₹ 12,396
105 mm				₹ 2,714	₹ 3,904	₹ 5,387	₹ 7,699	₹ 13,330	₹ 13,466
110 mm				₹ 2,714	₹ 3,904	₹ 5,387	₹ 7,699	₹ 13,330	₹ 13,466
115 mm				₹ 3,023	₹ 4,391	₹ 6,314	₹ 8,572	₹ 14,573	₹ 14,509
120 mm				₹ 3,023	₹ 4,391	₹ 6,314	₹ 8,572	₹ 14,573	₹ 14,509
125 mm				₹ 3,096	₹ 4,832	₹ 6,757	₹ 10,091	₹ 16,599	₹ 16,286
130 mm				₹ 3,096	₹ 4,832	₹ 6,757	₹ 10,091	₹ 16,599	₹ 16,286
135 mm				₹ 5,628	₹ 5,186	₹ 7,223	₹ 10,838	₹ 17,771	₹ 17,145
140 mm				₹ 5,628	₹ 5,186	₹ 7,223	₹ 10,838	₹ 17,771	₹ 17,145
145 mm				₹ 6,068	₹ 5,444	₹ 7,688	₹ 11,629	₹ 18,643	₹ 18,344
150 mm				₹ 6,068	₹ 5,444	₹ 7,688	₹ 11,629	₹ 18,643	₹ 18,344
Qty. Per Box		200		100	50		25		10
Hexagon Key	2.5	3	4	5	6	8	10	12	14

- Specification : Generally conforming to **IS 2269, DIN 912, ISO 4762.**
- Threads : 12.9 Grade 5g6g as per **IS 4218, ISO 965-2, ISO 965-3.**
- Material : For 12.9 **EBRO** Special Grade Alloy Steel.
For 8.8 & 10.9 Low Carbon Boron Steel, Medium Carbon Steel, Medium Carbon Boron Steel, Special Alloy Steel.
- Mechanical Properties : 8.8, 10.9, 12.9 as per ISO 898-1, IS 1367
- Surface Finish : **Manganese Coating** with Rust Preventive Oil (Black Colour)
No guarantee can be given for **EBRO** products which are plated by user or outside platers, who may not have considered hydrogen embrittlement problem.
- Note : Shaded sizes are full threaded, beyond shaded sizes are available in half thread and full thread both.

Socket Countersunk Head Cap Screw Metric Series M3-M16



RECOMMENDED RETAIL PRICE IN RUPEES PER 100 PIECES

Diameter Length	M3	M4	M5	M6	M8	M10	M12	M14	M16
6 mm	₹ 973								
8 mm	₹ 1,002	₹ 536	₹ 710	₹ 779					
10 mm	₹ 1,050	₹ 476	₹ 378	₹ 563					
12 mm	₹ 1,099	₹ 431	₹ 417	₹ 470	₹ 783	₹ 1,208			
16 mm	₹ 1,180	₹ 557	₹ 560	₹ 548	₹ 848	₹ 1,337			
20 mm	₹ 1,297	₹ 623	₹ 623	₹ 635	₹ 948	₹ 1,250	₹ 2,225		
25 mm	₹ 1,423	₹ 783	₹ 691	₹ 683	₹ 1,078	₹ 1,471	₹ 2,492		
30 mm		₹ 802	₹ 777	₹ 777	₹ 1,189	₹ 1,670	₹ 2,797	₹ 3,858	₹ 5,117
35 mm		₹ 1,001	₹ 1,322	₹ 918	₹ 1,324	₹ 1,845	₹ 3,237	₹ 4,742	₹ 5,634
40 mm		₹ 1,104	₹ 1,475	₹ 1,212	₹ 1,562	₹ 2,046	₹ 3,514	₹ 5,295	₹ 6,209
45 mm		₹ 1,291	₹ 1,656	₹ 1,972	₹ 1,803	₹ 2,313	₹ 3,830	₹ 5,516	₹ 6,717
50 mm		₹ 1,448	₹ 2,046	₹ 2,207	₹ 2,363	₹ 2,599	₹ 4,417	₹ 6,179	₹ 7,217
55 mm				₹ 2,478	₹ 2,780	₹ 2,818	₹ 4,578	₹ 7,285	₹ 7,686
60 mm					₹ 3,281	₹ 3,247	₹ 5,061	₹ 7,838	₹ 8,188
65 mm					₹ 3,561	₹ 3,704	₹ 5,536	₹ 8,501	₹ 9,054
70 mm					₹ 4,073	₹ 4,226	₹ 6,241	₹ 9,054	₹ 9,311
75 mm						₹ 5,382	₹ 6,649	₹ 10,365	₹ 9,809
80 mm						₹ 5,633	₹ 6,987	₹ 10,955	₹ 10,305
90 mm						₹ 5,954	₹ 8,648	₹ 12,252	₹ 12,196
100 mm							₹ 9,494	₹ 13,432	₹ 13,355
110 mm							₹ 11,677	₹ 14,729	₹ 15,723
120 mm							₹ 13,558	₹ 15,908	₹ 19,591
130 mm									₹ 21,039
Qty. Per Box	200					100	50	10	
Hexagon Key	2	2.5	3	4	5	6	8	10	10

Specification : Generally conforming to **IS 6761, DIN 7991, ISO 10642.**

Threads : 12.9 Grade 5g6g as per **IS 4218, ISO 965-2, ISO 965-3.**

Material : For 12.9 **EBRO** Special Grade Alloy Steel.

For 8.8 & 10.9 Low Carbon Boron Steel, Medium Carbon Steel, Medium Carbon Boron Steel, Special Alloy Steel.

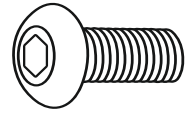
Mechanical Properties : 8.8, 10.9, 12.9 as per ISO 898-1, IS 1367

Surface Finish : **Manganese Coating** with Rust Preventive Oil (Black Colour)

No guarantee can be given for **EBRO** products which are plated by user or outside platers, who may not have considered hydrogen embrittlement problem.

Note : All sizes are full threaded.

Socket Button Head Cap Screw Metric Series M3-M12

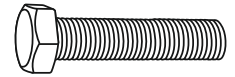


RECOMMENDED RETAIL PRICE IN RUPEES PER 100 PIECES

Length \ Diameter	M3	M4	M5	M6	M8	M10	M12
6 mm	₹ 728	₹ 486	₹ 755				
8 mm	₹ 788	₹ 513	₹ 762	₹ 865			
10 mm	₹ 867	₹ 555	₹ 625	₹ 619	₹ 1,056		
12 mm	₹ 910	₹ 587	₹ 661	₹ 562	₹ 863		
16 mm	₹ 1,075	₹ 652	₹ 742	₹ 636	₹ 884	₹ 1,324	₹ 2,634
20 mm	₹ 1,463	₹ 767	₹ 661	₹ 707	₹ 1,006	₹ 1,459	₹ 3,106
25 mm	₹ 1,697	₹ 841	₹ 814	₹ 798	₹ 1,138	₹ 1,574	₹ 3,801
30 mm		₹ 950	₹ 1,026	₹ 1,045	₹ 1,298	₹ 1,860	₹ 4,302
35 mm			₹ 1,151	₹ 1,151	₹ 1,432	₹ 2,091	₹ 4,803
40 mm			₹ 1,473	₹ 1,259	₹ 1,685	₹ 2,245	₹ 5,305
45 mm			₹ 1,670	₹ 1,362	₹ 2,067	₹ 2,410	₹ 5,806
50 mm					₹ 2,234	₹ 2,677	₹ 6,307
55 mm							
60 mm							
65 mm							
70 mm							
75 mm							
80 mm							
90 mm							
100 mm							
Qty. Per Box	200					100	
Hexagon Key	2	2.5	3	4	5	6	8

- Specification : Generally conforming to **ISO 7380-1**.
- Threads : 12.9 Grade 5g6g as per IS 4218, **ISO 965-2, ISO 965-3**.
- Material : For 12.9 **EBRO** Special Grade Alloy Steel.
For 8.8 & 10.9 Low Carbon Boron Steel, Medium Carbon Steel, Medium Carbon Boron Steel, Special Alloy Steel.
- Mechanical Properties : 8.8, 10.9, 12.9 as per ISO 898-1, IS 1367
- Surface Finish : **Manganese Coating** with Rust Preventive Oil (Black Colour)
No guarantee can be given for **EBRO** products which are plated by user or outside platers, who may not have considered hydrogen embrittlement problem.
- Note : All sizes are full threaded.

Hex Head Screw Metric Series M4-M16



RECOMMENDED RETAIL PRICE IN RUPEES PER 100 PIECES

Diameter Length	M4	M5	M6	M8	M10	M12	M14	M16
8 mm	₹ 418	₹ 309	₹ 660	₹ 767				
10 mm	₹ 367	₹ 308	₹ 394	₹ 754				
12 mm	₹ 351	₹ 329	₹ 407	₹ 780	₹ 1,330			
14 mm	₹ 443	₹ 364	₹ 450	₹ 799	₹ 1,392			
16 mm	₹ 443	₹ 364	₹ 450	₹ 799	₹ 1,392	₹ 2,336		
18 mm	₹ 422	₹ 401	₹ 495	₹ 692	₹ 1,334	₹ 2,216		
20 mm	₹ 422	₹ 401	₹ 495	₹ 692	₹ 1,334	₹ 2,216	₹ 4,263	₹ 5,204
22 mm	₹ 481	₹ 467	₹ 548	₹ 824	₹ 1,455	₹ 2,318	₹ 3,675	₹ 4,950
25 mm	₹ 481	₹ 467	₹ 548	₹ 824	₹ 1,455	₹ 2,318	₹ 3,675	₹ 4,950
30 mm	₹ 526	₹ 512	₹ 632	₹ 906	₹ 1,526	₹ 2,376	₹ 3,766	₹ 5,191
35 mm	₹ 524	₹ 566	₹ 700	₹ 947	₹ 1,530	₹ 2,458	₹ 3,944	₹ 5,358
40 mm	₹ 563	₹ 629	₹ 739	₹ 1,037	₹ 1,891	₹ 2,474	₹ 4,181	₹ 5,397
45 mm	₹ 665	₹ 683	₹ 804	₹ 1,079	₹ 1,777	₹ 2,988	₹ 3,893	₹ 5,781
50 mm	₹ 710	₹ 731	₹ 863	₹ 1,178	₹ 1,934	₹ 3,213	₹ 4,090	₹ 6,111
55 mm	₹ 808	₹ 955	₹ 926	₹ 1,381	₹ 2,303	₹ 3,374	₹ 5,245	₹ 6,590
60 mm	₹ 850	₹ 1,018	₹ 1,013	₹ 1,600	₹ 2,460	₹ 3,533	₹ 4,903	₹ 7,044
65 mm	₹ 1,112	₹ 1,114	₹ 1,114	₹ 1,645	₹ 2,634	₹ 3,705	₹ 5,614	₹ 7,459
70 mm	₹ 1,512	₹ 1,237	₹ 1,172	₹ 1,718	₹ 2,800	₹ 4,159	₹ 6,199	₹ 7,977
75 mm	₹ 1,584	₹ 1,295	₹ 1,195	₹ 1,802	₹ 2,984	₹ 4,316	₹ 6,519	₹ 8,450
80 mm		₹ 2,425	₹ 1,273	₹ 1,984	₹ 3,484	₹ 4,571	₹ 6,821	₹ 9,206
85 mm		₹ 2,905	₹ 1,498	₹ 2,489	₹ 3,841	₹ 5,017	₹ 7,495	₹ 9,827
90 mm		₹ 2,905	₹ 1,498	₹ 2,489	₹ 3,841	₹ 5,017	₹ 7,495	₹ 9,827
95 mm		₹ 3,068	₹ 1,627	₹ 2,788	₹ 4,179	₹ 5,863	₹ 8,639	₹ 10,777
100 mm		₹ 3,068	₹ 1,627	₹ 2,788	₹ 4,179	₹ 5,863	₹ 8,639	₹ 10,777
105 mm			₹ 2,219	₹ 3,124	₹ 4,549	₹ 6,474	₹ 9,456	₹ 11,740
110 mm			₹ 2,219	₹ 3,124	₹ 4,549	₹ 6,474	₹ 9,456	₹ 11,740
115 mm			₹ 2,543	₹ 3,439	₹ 5,217	₹ 6,946	₹ 10,415	₹ 13,172
120 mm			₹ 2,543	₹ 3,439	₹ 5,217	₹ 6,946	₹ 10,415	₹ 13,172
125 mm			₹ 2,812	₹ 3,951	₹ 5,980	₹ 7,272	₹ 10,994	₹ 15,021
130 mm			₹ 2,812	₹ 3,951	₹ 5,980	₹ 7,272	₹ 10,994	₹ 15,021
135 mm			₹ 2,995	₹ 4,545	₹ 6,389	₹ 8,610	₹ 14,020	₹ 15,784
140 mm			₹ 2,995	₹ 4,545	₹ 6,389	₹ 8,610	₹ 14,020	₹ 15,784
145 mm			₹ 3,158	₹ 5,077	₹ 7,699	₹ 9,786	₹ 16,554	₹ 16,774
150 mm			₹ 3,158	₹ 5,077	₹ 7,699	₹ 9,786	₹ 16,554	₹ 16,774
Qty. Per Box	200		100	50		20		
Hexagon Spanner	7	8	10	13	16	18	21	24

Specification : Generally conforming to **IS 1364, ISO 4014/4017.**

Threads : ISO Metric 6g as per **IS 4218.**

Material & Mechanical : Property Class 10.9 as per ISO 898-1, IS 1367

Properties

Surface Finish : **Manganese Coating** with Rust Preventive Oil (Black Colour)

No guarantee can be given for **EBRO** products which are plated by user or outside platers, who may not have considered hydrogen embrittlement problem.

Note : Shaded sizes are full threaded, beyond shaded sizes are available in half thread and full thread both.

* Bolts / Screws as per DIN 931 / 933 will be manufactured against specific order with minimum order quantity of each size.

* 12.9 Grade price will be based on enquiry.

Hex Nut Metric Series M3-M16

RECOMMENDED RETAIL PRICE IN RUPEES PER 100 PIECES



Size & Standard Pitch	Price per 100 pieces		
	Grade 8	Grade 10	Qty. Per Box
M3 X 0.5	₹ 128	-	1,000
M4 X 0.7	₹ 114	-	1,000
M5 X 0.8	₹ 130	-	1,000
M6 X 1	₹ 192	₹ 239	1,000
M8 X 1.25	₹ 277	₹ 296	500
M10 X 1.5	₹ 463	₹ 553	200
M12 X 1.75	₹ 779	₹ 850	200
M14 X 2	₹ 1,495	₹ 1,699	100
M16 X 2	₹ 1,865	₹ 2,104	100

Size & Fine Pitch	Price per 100 pieces		
	Grade 8	Grade 10	Qty. Per Box
M8 X 1	₹ 305	₹ 335	500
M10 X 1.25	₹ 547	₹ 599	200
M12 X 1.25	₹ 794	₹ 957	200
M12 X 1.5	₹ 794	₹ 894	200
M14 X 1.5	₹ 1,346	₹ 1,584	100
M16 X 1.5	₹ 1,972	₹ 2,229	100

- Specification : Nuts with Metric Threads **IS 1364, ISO 4032.**
 Threads : ISO Metric 6H as per **IS 4218, ISO 261, ISO 965.**
 Material & Mechanical : Property Class Grade 8 & 10 as per IS 1367, ISO 898-2.

Properties

- Surface Finish : **Manganese Coating** with Rust Preventive Oil (Black Colour)
 No guarantee can be given for **EBRO** products which are plated by user or outside platers, who may not have considered hydrogen embrittlement problem.

Note : Nuts as per DIN 934 will be manufactured against specific order with minimum order quantity of each size.

Tightening Torque and Braking Torque Chart

Size	HEX HEAD SCREW & SOCKET HEAD CAP SCREW							SOCKET COUNTERSUNK HEAD CAP SCREW & SOCKET BUTTON HEAD CAP SCREW				
	Friction Coefficient	Tightening Torque (N-m)			Minimum Breaking Torque (N-m)			Friction Coefficient	Tightening Torque (N-m)		Minimum Breaking Torque (N-m)	
		Grade 8.8	Grade 10.9	Grade 12.9	Grade 8.8	Grade 10.9	Grade 12.9		Grade 10.9	Grade 12.9	Grade 10.9	Grade 12.9
M3 X 0.5	0.125	1.28	1.68	1.90	1.5	1.9	2.1	0.125	0.80	1.10	1.14	1.26
	0.14	1.37	1.76	1.98				0.14	0.89	1.15		
M4 X 0.7	0.125	2.9	4.1	4.2	3.6	4.4	4.9	0.125	2.35	2.70	2.80	2.95
	0.14	3.1	4.4	4.6				0.14	2.52	2.80		
M5 X 0.8	0.125	5.75	8.1	9.5	7.6	9.3	10	0.125	4.55	5.35	5.60	6
	0.14	6.15	8.65	9.9				0.14	4.80	5.40		
M6 X 1	0.125	9.9	14	16	13	16	17	0.125	7.90	9.20	9.60	10.20
	0.14	10.5	15	16.5				0.14	9	9.60		
M8 X 1.25	0.125	24	34	40	33	40	44	0.125	19	22.30	24	26.40
	0.14	26	36	43				0.14	21.60	25.20		
M10 X 1.5	0.125	48	67	81	66	81	90	0.125	37.80	43.80	48.60	54
	0.14	51	72	87				0.14	43.20	52		
M12 X 1.75	0.125	83	117	140	112	143	160	0.125	64.80	72	85	96
	0.14	89	125	150				0.14	75	90		
M14 X 2	0.125	132	185	220	203	260	290	0.125	111	132	156	174
	0.14	141	198	240				0.14	118	144		
M16 X 2	0.125	200	285	340	294	377	421	0.125	158	185	210	240
	0.14	215	305	365				0.14	183	216		

Note : The above values are based on ISO 898-7.
 Minimum torsional test torques for bolts and screws with nominal diameters from 1 mm to 10 mm.

DELICAN

ENGITECH PRIVATE LIMITED

Factory: Saffron Industrial Park,
Plot No: 30, 31, Rajkot-Kalawad Highway,
Vill.: Anandpar - 361162,
Rajkot-Gujarat India.

🌐 www.pelicanengitech.com

✉ info@pelicanengitech.com



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