

Unbrako's Socket Head Cap Screws provide unmatched strength and reliability over competitive products when fastening steel parts together. Unbrako's Socket Head Cap Screws are generally mated into a tapped hole in high-stress, high-tensile load applications, and add unmatched strength and durability to the fastened assembly.

#### PRODUCT ATTRIBUTES

10,000 psi stronger than competitive products of like grade.

Smooth radiused runout that increases fatigue life up to 300%.

Smooth Compound fillet radius reduces stress cracking.

Suitable for all high-tensile applications.

Controlled radius of root runout distributes stress and increases fatigue life as a much as 300% in certain sizes.

#### WHERE YOU WILL FIND OPPORTUNITY

Machine Building	Robotics & Automation
Stamping Presses	Mold Making
Tools Assembly	Aerospace
Petrochemical	Heavy Machinery
Military	Electronics

#### THIS PRODUCT IS OFTEN CALLED...

Allen Screw  
Hex Counterbore Screw  
Socket Screw



#### ADDITIONAL UNBRAKO SOCKET PRODUCTS

Socket Low Head Cap Screws  
Socket Head Shoulder Screws  
Button Head Socket Screws  
Flat Head Countersunk Socket Screws  
Flange Button Head Socket Screws  
Hardened Ground Machine Dowel Pins  
Socket Set Screws  
Hexagon Wrenches  
Taper Pressure Plugs  
Pull Out Dowel Pins

#### AVAILABLE VALUE ADDED SERVICES

Cross drilling and center drilling  
Patching & custom plating available

BACKED BY THE EARNEST  
**Service**  
GUARANTEE

**The right part.  
The right quantity.  
On-time.  
Everytime.**

## UNBRAKO SOCKET HEAD CAP SCREWS - INCH & METRIC

Unbrako Socket Head Cap Screws are manufactured in accordance with the latest revision of the following industry standards:

**INCH** ASME B18.3

**METRIC** DIN 912/ISO 4762/ASME B18.3.1M/BS 4168-1

## THREADS

Thread acceptance per ASME B1.3 System 21

**INCH:** Thread requirements per ASME B1.1  
#0 to 1": Class 3A  
Over 1": Class 2A

**METRIC:** Thread requirements per ISO 261  
Class 5g6g

## PLATING

Black Oxide

Custom coatings available

## UNBRAKO SOCKET HEAD CAP SCREW - INCH

### Chemical Composition:

CARBON (C)	PHOSPHORUS (P)	SULFUR (S)
Min	Max	Max
0.33	0.035	0.040

### Alloy

#### CONTAINS ONE OF THE FOLLOWING ALLOYS

Mn, Cr, Mo, Ni, V

### Hardness:

< 1/2	≥ 1/2
HRC 40/43	HRC 40/43

### Tensile Strength:

≤ 1/2"	190,000 psi min
> 1/2"	180,000 psi min

## UNBRAKO SOCKET HEAD CAP SCREW - METRIC

### Chemical Composition:

CARBON (C)		PHOSPHORUS (P)	SULFUR (S)
Max	Min	Max	Max
0.20	0.50	0.035	0.035

### Alloy

#### CONTAINS ONE OF THE FOLLOWING ALLOYS

Mn, Cr, Mo, Ni, V

### Hardness:

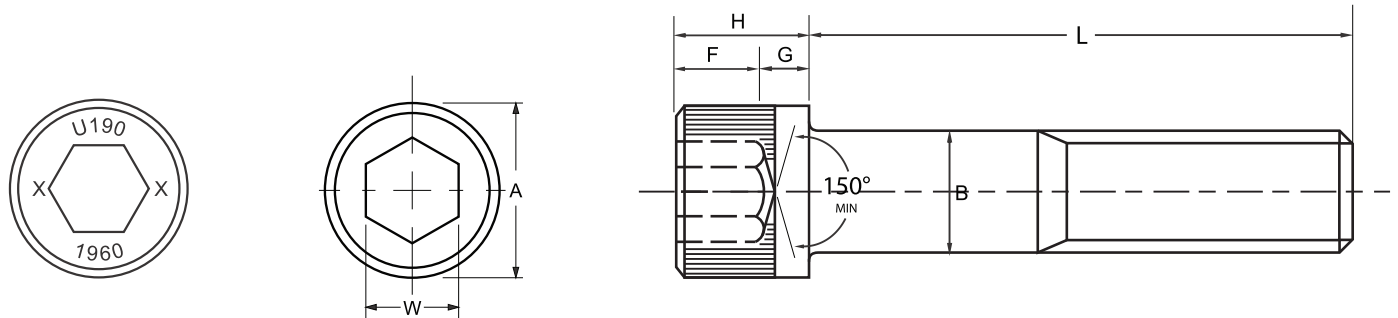
ROCKWELL HARDNESS
HRC 40 / 43

### Tensile Strength: 12.9

M1.4 to M16	1300 MPa min
>M16	1250 MPa min

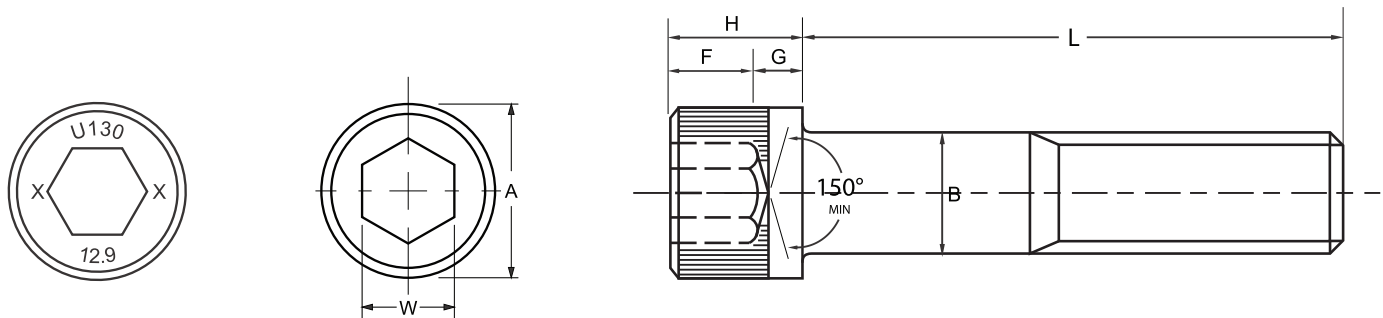
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**UNBRAKO SOCKET HEAD SOCKET CAP SCREWS - INCH DIMENSIONS**

**INCH DIMENSIONS**

THREAD SIZE	THREAD PITCH		HEAD DIAMETER (A)		HEX SOCKET SIZE (W)	HEAD HEIGHT (H)		SOCKET DEPTH (F)	G	BODY DIAMETER (B)	
	INCH NOMINAL	UNRC	UNRF	MAX	MIN	NOM.	MAX	MIN	MIN	MIN	MAX
#0	-	80	0.096	.091	0.050	0.060	0.057	0.025	0.020	0.060	0.0568
#1	64	72	0.118	0.112	0.062	0.073	0.070	0.031	0.025	0.073	0.0695
#2	56	64	0.140	0.134	0.078	0.086	0.083	0.038	0.029	0.086	0.0822
#3	48	56	0.161	0.154	0.078	0.099	0.095	0.044	0.034	0.099	0.0949
#4	40	48	0.183	0.176	0.094	0.112	0.108	0.051	0.038	0.112	0.1075
#5	40	44	0.205	0.198	0.094	0.125	0.121	0.057	0.043	0.125	0.1202
#6	32	40	0.226	0.218	0.109	0.138	0.134	0.064	0.047	0.138	0.1329
#8	32	36	0.270	0.262	0.141	0.164	0.159	0.077	0.056	0.164	0.1585
#10	24	32	0.312	0.303	0.156	0.190	0.185	0.090	0.065	0.190	0.1840
1/4	20	28	0.375	0.365	0.188	0.250	0.244	0.120	0.095	0.250	0.2435
5/16	18	24	0.469	0.457	0.250	0.312	0.306	0.151	0.119	0.3125	0.3053
3/8	16	24	0.562	0.550	0.312	0.375	0.368	0.182	0.143	0.375	0.3678
7/16	14	20	0.656	0.642	0.375	0.437	0.430	0.213	0.166	0.4375	0.4294
1/2	13	20	0.750	0.735	0.375	0.500	0.492	0.245	0.190	0.500	0.4919
5/8	11	18	0.938	0.921	0.500	0.500	0.625	0.307	0.238	0.625	0.6163
3/4	10	16	1.125	1.107	0.625	0.750	0.740	0.370	0.285	0.750	0.7406
7/8	9	14	1.312	1.293	0.750	0.875	0.864	0.432	0.333	0.875	0.8647
1	8	12	1.500	1.479	0.750	1.000	0.988	0.495	0.380	1.000	0.9886
1	-	14*	1.500	1.479	0.750	1.000	0.988	0.495	0.380	1.000	0.9886
1 1/8	7	12	1.688	1.665	0.875	1.125	1.111	0.557	0.428	1.125	1.1086
1 1/4	7	12	1.875	1.852	0.875	1.250	1.236	0.620	0.475	1.250	1.2336
1 3/8	6	12	2.062	2.038	1.000	1.375	1.360	0.682	0.523	1.375	1.3568
1 1/2	6	12	2.250	2.224	1.000	1.500	1.485	0.745	0.570	1.500	1.4818
1 3/4	5	12	2.625	2.597	1.250	1.750	1.734	0.870	0.665	1.750	1.7295
2	4 1/2	12	3.000	2.970	1.500	2.000	1.983	0.995	0.760	2.000	1.9780
2 1/4	4 1/2	12	3.375	3.344	1.750	2.250	2.232	1.120	0.855	2.250	2.2280
2 1/2	4	12	3.750	3.717	1.750	2.500	2.481	1.245	0.950	2.500	2.4762
2 3/4	4	12	4.125	4.090	2.000	2.750	2.730	1.370	1.045	2.750	2.7262
3	4	12	4.500	4.464	2.250	3.000	2.979	1.495	1.140	3.000	2.9762

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**UNBRAKO SOCKET HEAD SOCKET CAP SCREWS - METRIC DIMENSIONS**

**METRIC DIMENSIONS**

THREAD SIZE	THREAD PITCH	HEAD DIAMETER (A)		HEX SOCKET SIZE (W)		HEAD HEIGHT (H)		SOCKET DEPTH (F)	G	BODY DIAMETER (B)		
		METRIC NOMINAL	COARSE	MAX	MIN	MIN	MAX	MIN	MAX	REF	MAX	MIN
M3	0.50			5.5	5.32	2.5	3.0	2.86	1.3	1.15	3.0	2.86
M4	0.70			7.0	6.78	3.0	4.0	3.82	2.0	1.40	4.0	3.82
M5	0.80			8.5	8.28	4.0	5.0	4.82	2.5	1.90	4.0	4.82
M6	1.00			10.0	9.78	5.0	6.0	5.7	3.0	2.30	6.0	5.82
M8	1.25			13.0	12.73	6.0	8.0	7.64	4.0	3.00	8.0	7.78
M10	1.50			16.0	15.73	8.0	10.0	9.64	5.0	4.00	10.0	9.78
M12	1.75			18.0	17.73	10.0	12.0	11.57	6.0	4.80	12.0	11.73
M14	2.00			21.0	20.67	12.0	14.0	13.57	7.0	5.80	14.0	13.73
M16	2.00			24.0	23.67	14.0	16.0	15.57	8.0	6.80	16.0	15.73
M18	2.50			27.0	26.67	14.0	18.0	17.57	9.0	7.80	18.0	17.73
M20	2.50			30.0	29.97	17.0	20.0	19.48	10.0	8.60	20.0	19.67
M22	2.50			33.0	32.61	17.0	22.0	21.48	11.0	9.40	22.0	21.67
M24	3.00			36.0	35.61	19.0	24.0	23.48	12.0	10.40	24.0	23.67
M27	3.00			40.0	39.61	19.0	27.0	26.48	13.5	11.90	27.0	26.67
M30	3.50			45.0	44.61	22.0	30.0	29.48	15.5	13.10	30.0	29.67
M33	3.50			50.0	49.61	24.0	33.0	32.38	18.0	13.50	33.0	32.61
M36	4.00			54.0	53.54	27.0	36.0	35.38	19.0	15.30	36.0	35.61
M42	4.50			63.0	62.54	32.0	42.0	41.38	24.0	16.30	42.0	41.61

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**Torque Tightening - Inch**

THREAD SIZE	INSTALLATION TORQUE		TENSILE LOAD - MIN	
	UNRC	UNRF	UNRC	UNRF
Nominal	UNRC	UNRF	UNRC	UNRF
-	in-lb	in-lb	lbs	lbs
#0	-	3	-	190
#1	5	5	380	380
#2	7	8	570	570
#3	12	13	760	950
#4	18	19	1140	570
#5	24	25	1330	1520
#6	34	36	1727	1930
#8	59	60	2660	2801
#10	77	91	3325	3800
-	ft-lb	ft-lb	lbs	lbs
1/4	17	20	6042	6916
5/16	35	40	9956	11020
3/8	63	71	14725	16682
7/16	100	113	20197	22553
1/2	154	179	26961	30381
5/8	283	318	40680	46080
3/4	500	567	60120	67140
7/8	700	760	83160	91620
1	1042	1100	109080	119340
1-14 UNS	-	1158	-	122220
1 1/8	1242	1383	137340	154080
1 1/4	2083	2250	174420	193140
1 3/8	2750	2917	207900	236700
1 1/2	3625	3917	252900	284580
1 3/4	5958	6875	341820	393660
2	9000	10417	449676	520560
2 1/4	12917	15500	584584.2	664920
2 1/2	17917	20667	719820	827100
2 3/4	24167	27500	888120	1006920
3	31250	35833	1074126.6	1204380

**Torque Tightening - Metric**

THREAD SIZE	INSTALLATION TORQUE		TENSILE LOAD
	Nm	in-lb	kN
Nominal	Nm	in-lb	kN
M3	2.1	1.6	3.99
M4	4.6	3.5	6.75
M5	9.5	7.1	11.10
-	Nm	ft-lb	kN
M6	16.0	12	15.60
M8	39.0	29	28.70
M10	77.0	57	45.70
M12	135.0	100	66.70
M14	215.0	158	91.30
M16	330.0	243	126.00
M18	455.0	336	153.00
M20	650.0	479	197.00
M22	870.0	642	245.00
M24	1,100.0	812	284.00
M27	1,650.0	1217	374.00
M30	2,250.0	1658	454.00
M33	3,050.0	2250	550.00
M36	3,850.0	2842	664.00
M42	6,270.0	4625	889.00



## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
#0-80x3/16	Full	Fine	Alloy Steel	Black Oxide	117137	965999
#0-80x1/4	Full	Fine	Alloy Steel	Black Oxide	117153	965996
#0-80x3/8	Full	Fine	Alloy Steel	Black Oxide	121059	966002

#1-72x1/4	Full	Fine	Alloy Steel	Black Oxide	117202	966005
#1-72x3/8	Full	Fine	Alloy Steel	Black Oxide	102704	966008

#2-56x3/16	Full	Coarse	Alloy Steel	Black Oxide	105493	966122
#2-56x1/4	Full	Coarse	Alloy Steel	Black Oxide	105509	966119
#2-56x3/8	Full	Coarse	Alloy Steel	Black Oxide	113307	966125
#2-56x1/2	Full	Coarse	Alloy Steel	Black Oxide	113323	966116
#2-56x5/8	Full	Coarse	Alloy Steel	Black Oxide	700572	966107
#2-56x3/4	Full	Coarse	Alloy Steel	Black Oxide	700573	966110
#2-56x1	Partial	Coarse	Alloy Steel	Black Oxide	700574	966113

#3-48x1/4	Full	Coarse	Alloy Steel	Black Oxide	113374	966128
#3-48x3/8	Full	Coarse	Alloy Steel	Black Oxide	107750	966131
#3-48x1/2	Full	Coarse	Alloy Steel	Black Oxide	107766	966134
#3-48x5/8	Full	Coarse	Alloy Steel	Black Oxide	700581	966137
#3-48x3/4	Full	Coarse	Alloy Steel	Black Oxide	700582	966140

#4-40x1/4	Full	Coarse	Alloy Steel	Black Oxide	107783	966155
#4-40x3/8	Full	Coarse	Alloy Steel	Black Oxide	107799	966161
#4-40x1/2	Full	Coarse	Alloy Steel	Black Oxide	107816	966152
#4-40x5/8	Full	Coarse	Alloy Steel	Black Oxide	107832	966164
#4-40x3/4	Full	Coarse	Alloy Steel	Black Oxide	107849	966158
#4-40x1	Full	Coarse	Alloy Steel	Black Oxide	109394	966143
#4-40x1-1/4	Partial	Coarse	Alloy Steel	Black Oxide	120922	966146
#4-40x1-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109070	966149

#5-40x1/4	Full	Coarse	Alloy Steel	Black Oxide	107865	966173
#5-40x5/16	Full	Coarse	Alloy Steel	Black Oxide	112658	966182
#5-40x3/8	Full	Coarse	Alloy Steel	Black Oxide	107881	966179
#5-40x1/2	Full	Coarse	Alloy Steel	Black Oxide	107897	966170
#5-40x5/8	Full	Coarse	Alloy Steel	Black Oxide	113390	966185
#5-40x3/4	Full	Coarse	Alloy Steel	Black Oxide	113407	966176
#5-40x1	Full	Coarse	Alloy Steel	Black Oxide	112049	966167



## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
#6-32x1/4	Full	Coarse	Alloy Steel	Black Oxide	113423	966200
#6-32x5/16	Full	Coarse	Alloy Steel	Black Oxide	109328	966209
#6-32x3/8	Full	Coarse	Alloy Steel	Black Oxide	113440	966206
#6-32x1/2	Full	Coarse	Alloy Steel	Black Oxide	118792	966197
#6-32x5/8	Full	Coarse	Alloy Steel	Black Oxide	118808	966212
#6-32x3/4	Full	Coarse	Alloy Steel	Black Oxide	118824	966203
#6-32x7/8	Full	Coarse	Alloy Steel	Black Oxide	118840	966215
#6-32x1	Full	Coarse	Alloy Steel	Black Oxide	118856	966188
#6-32x1-1/4	Partial	Coarse	Alloy Steel	Black Oxide	112179	966191
#6-32x1-1/2	Partial	Coarse	Alloy Steel	Black Oxide	114328	966194

#6-40x1/4	Full	Fine	Alloy Steel	Black Oxide	102720	966224
#6-40x3/8	Full	Fine	Alloy Steel	Black Oxide	111564	966230
#6-40x1/2	Full	Fine	Alloy Steel	Black Oxide	111581	966221
#6-40x5/8	Full	Fine	Alloy Steel	Black Oxide	111597	966233
#6-40x3/4	Full	Fine	Alloy Steel	Black Oxide	114012	966227
#6-40x1	Full	Fine	Alloy Steel	Black Oxide	700842	966218

#8-32x1/4	Full	Coarse	Alloy Steel	Black Oxide	118872	966257
#8-32x5/16	Full	Coarse	Alloy Steel	Black Oxide	117320	966266
#8-32x3/8	Full	Coarse	Alloy Steel	Black Oxide	118888	966263
#8-32x1/2	Full	Coarse	Alloy Steel	Black Oxide	118904	966254
#8-32x5/8	Full	Coarse	Alloy Steel	Black Oxide	118920	966269
#8-32x3/4	Full	Coarse	Alloy Steel	Black Oxide	118936	966260
#8-32x7/8	Full	Coarse	Alloy Steel	Black Oxide	103140	966272
#8-32x1	Full	Coarse	Alloy Steel	Black Oxide	103156	966236
#8-32x1-1/4	Partial	Coarse	Alloy Steel	Black Oxide	103174	966239
#8-32x1-1/2	Partial	Coarse	Alloy Steel	Black Oxide	103190	966242
#8-32x1-3/4	Partial	Coarse	Alloy Steel	Black Oxide	117451	966245
#8-32x2	Partial	Coarse	Alloy Steel	Black Oxide	117516	966248
#8-32x2-1/4	Partial	Coarse	Alloy Steel	Black Oxide	120791	966251

#8-36x3/8	Full	Fine	Alloy Steel	Black Oxide	700845	966275
#8-36x1/2	Full	Fine	Alloy Steel	Black Oxide	117699	966287
#8-36x5/8	Full	Fine	Alloy Steel	Black Oxide	700847	966278
#8-36x3/4	Full	Fine	Alloy Steel	Black Oxide	117715	966281
#8-36x1	Full	Fine	Alloy Steel	Black Oxide	700849	966284





## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
#10-24x1/4	Full	Coarse	Alloy Steel	Black Oxide	109734	966047
#10-24x3/8	Full	Coarse	Alloy Steel	Black Oxide	103206	966053
#10-24x1/2	Full	Coarse	Alloy Steel	Black Oxide	112492	966044
#10-24x5/8	Full	Coarse	Alloy Steel	Black Oxide	112508	966056
#10-24x3/4	Full	Coarse	Alloy Steel	Black Oxide	112524	966050
#10-24x7/8	Full	Coarse	Alloy Steel	Black Oxide	112540	966059
#10-24x1	Full	Coarse	Alloy Steel	Black Oxide	112557	966011
#10-24x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	103215	966014
#10-24x1-1/2	Partial	Coarse	Alloy Steel	Black Oxide	103232	966017
#10-24x1-3/4	Partial	Coarse	Alloy Steel	Black Oxide	103248	966020
#10-24x2	Partial	Coarse	Alloy Steel	Black Oxide	103264	966023
#10-24x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	103477	966032
#10-24x3	Partial	Coarse	Alloy Steel	Black Oxide	106355	966035
#10-24x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	116278	966038
#10-24x4	Partial	Coarse	Alloy Steel	Black Oxide	116279	966041

#10-32x1/4	Full	Fine	Alloy Steel	Black Oxide	111756	966089
#10-32x5/16	Full	Fine	Alloy Steel	Black Oxide	116280	966098
#10-32x3/8	Full	Fine	Alloy Steel	Black Oxide	117733	966095
#10-32x1/2	Full	Fine	Alloy Steel	Black Oxide	117749	966086
#10-32x5/8	Full	Fine	Alloy Steel	Black Oxide	117765	966101
#10-32x3/4	Full	Fine	Alloy Steel	Black Oxide	117781	966092
#10-32x7/8	Full	Fine	Alloy Steel	Black Oxide	117798	966104
#10-32x1	Full	Fine	Alloy Steel	Black Oxide	117814	966062
#10-32x1-1/4	Full	Fine	Alloy Steel	Black Oxide	117830	966065
#10-32x1-1/2	Partial	Fine	Alloy Steel	Black Oxide	117847	966068
#10-32x1-3/4	Partial	Fine	Alloy Steel	Black Oxide	117863	966071
#10-32x2	Partial	Fine	Alloy Steel	Black Oxide	117879	966074
#10-32x2-1/4	Partial	Fine	Alloy Steel	Black Oxide	107085	966077
#10-32x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	107150	966080
#10-32x3	Partial	Fine	Alloy Steel	Black Oxide	107182	966083

1/4-20x1/4	Full	Coarse	Alloy Steel	Black Oxide	120048	965057
1/4-20x3/8	Full	Coarse	Alloy Steel	Black Oxide	105232	965063
1/4-20x1/2	Full	Coarse	Alloy Steel	Black Oxide	105248	965054
1/4-20x5/8	Full	Coarse	Alloy Steel	Black Oxide	108937	965066
1/4-20x3/4	Full	Coarse	Alloy Steel	Black Oxide	108954	965060
1/4-20x7/8	Full	Coarse	Alloy Steel	Black Oxide	108969	965069
1/4-20x1	Full	Coarse	Alloy Steel	Black Oxide	105256	965000
1/4-20x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	105272	965003
1/4-20x1-3/8	Full	Coarse	Alloy Steel	Black Oxide	117409	965006
1/4-20x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	105288	965009





**Earnest**

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
1/4-20x1-3/4	Partial	Coarse	Alloy Steel	Black Oxide	105304	965012
1/4-20x2	Partial	Coarse	Alloy Steel	Black Oxide	105320	965015
1/4-20x2-1/4	Partial	Coarse	Alloy Steel	Black Oxide	105336	965018
1/4-20x2-1/2	Partial	Coarse	Alloy Steel	Black Oxide	118338	965021
1/4-20x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	118355	965024
1/4-20x3	Partial	Coarse	Alloy Steel	Black Oxide	118371	965027
1/4-20x3-1/4	Partial	Coarse	Alloy Steel	Black Oxide	117539	965030
1/4-20x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	117573	965033
1/4-20x3-3/4	Partial	Coarse	Alloy Steel	Black Oxide	117605	965036
1/4-20x4	Partial	Coarse	Alloy Steel	Black Oxide	109434	965039
1/4-20x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109499	965042
1/4-20x5	Partial	Coarse	Alloy Steel	Black Oxide	114978	965045
1/4-20x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	105637	965048
1/4-20x6	Partial	Coarse	Alloy Steel	Black Oxide	115042	965051

1/4-28x1/4	Full	Fine	Alloy Steel	Black Oxide	114545	965108
1/4-28x3/8	Full	Fine	Alloy Steel	Black Oxide	117896	965114
1/4-28x1/2	Full	Fine	Alloy Steel	Black Oxide	117913	965105
1/4-28x5/8	Full	Fine	Alloy Steel	Black Oxide	111454	965117
1/4-28x3/4	Full	Fine	Alloy Steel	Black Oxide	111471	965111
1/4-28x7/8	Full	Fine	Alloy Steel	Black Oxide	111487	965120
1/4-28x1	Full	Fine	Alloy Steel	Black Oxide	111503	965072
1/4-28x1-1/4	Full	Fine	Alloy Steel	Black Oxide	111519	965075
1/4-28x1-1/2	Full	Fine	Alloy Steel	Black Oxide	111535	965078
1/4-28x1-3/4	Partial	Fine	Alloy Steel	Black Oxide	108026	965081
1/4-28x2	Partial	Fine	Alloy Steel	Black Oxide	108042	965084
1/4-28x2-1/4	Partial	Fine	Alloy Steel	Black Oxide	108057	965087
1/4-28x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	118427	965090
1/4-28x2-3/4	Partial	Fine	Alloy Steel	Black Oxide	118460	965093
1/4-28x3	Partial	Fine	Alloy Steel	Black Oxide	118476	965096
1/4-28x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	116281	965099
1/4-28x4	Partial	Fine	Alloy Steel	Black Oxide	116283	965102

5/16-18x3/8	Full	Coarse	Alloy Steel	Black Oxide	118387	965177
5/16-18x1/2	Full	Coarse	Alloy Steel	Black Oxide	118403	965171
5/16-18x5/8	Full	Coarse	Alloy Steel	Black Oxide	118419	965180
5/16-18x3/4	Full	Coarse	Alloy Steel	Black Oxide	118436	965174
5/16-18x7/8	Full	Coarse	Alloy Steel	Black Oxide	104055	965183
5/16-18x1	Full	Coarse	Alloy Steel	Black Oxide	104071	965123
5/16-18x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	104088	965126
5/16-18x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	104104	965129
5/16-18x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	104121	965132

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
5/16-18x2	Partial	Coarse	Alloy Steel	Black Oxide	104137	965135
5/16-18x2-1/4	Partial	Coarse	Alloy Steel	Black Oxide	104153	965138
5/16-18x2-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109900	965141
5/16-18x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	109916	965144
5/16-18x3	Partial	Coarse	Alloy Steel	Black Oxide	109932	965147
5/16-18x3-1/4	Partial	Coarse	Alloy Steel	Black Oxide	109950	965150
5/16-18x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109966	965153
5/16-18x4	Partial	Coarse	Alloy Steel	Black Oxide	109833	965156
5/16-18x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109866	965159
5/16-18x5	Partial	Coarse	Alloy Steel	Black Oxide	103652	965162
5/16-18x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	121215	965165
5/16-18x6	Partial	Coarse	Alloy Steel	Black Oxide	103684	965168

5/16-24x1/2	Full	Fine	Alloy Steel	Black Oxide	108073	965219
5/16-24x5/8	Full	Fine	Alloy Steel	Black Oxide	104516	965225
5/16-24x3/4	Full	Fine	Alloy Steel	Black Oxide	104532	965222
5/16-24x7/8	Full	Fine	Alloy Steel	Black Oxide	104548	965228
5/16-24x1	Full	Fine	Alloy Steel	Black Oxide	110752	965186
5/16-24x1-1/4	Full	Fine	Alloy Steel	Black Oxide	110769	965189
5/16-24x1-1/2	Full	Fine	Alloy Steel	Black Oxide	110786	965192
5/16-24x1-3/4	Full	Fine	Alloy Steel	Black Oxide	110802	965195
5/16-24x2	Partial	Fine	Alloy Steel	Black Oxide	110818	965198
5/16-24x2-1/4	Partial	Fine	Alloy Steel	Black Oxide	110834	965201
5/16-24x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	110850	965204
5/16-24x2-3/4	Partial	Fine	Alloy Steel	Black Oxide	105606	965207
5/16-24x3	Partial	Fine	Alloy Steel	Black Oxide	105344	965210
5/16-24x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	106016	965213
5/16-24x4	Partial	Fine	Alloy Steel	Black Oxide	120995	965216

3/8-16x1/2	Full	Coarse	Alloy Steel	Black Oxide	109982	965297
3/8-16x5/8	Full	Coarse	Alloy Steel	Black Oxide	109999	965303
3/8-16x3/4	Full	Coarse	Alloy Steel	Black Oxide	110015	965300
3/8-16x7/8	Full	Coarse	Alloy Steel	Black Oxide	110031	965306
3/8-16x1	Full	Coarse	Alloy Steel	Black Oxide	110048	965231
3/8-16x1-1/8	Full	Coarse	Alloy Steel	Black Oxide	103784	965234
3/8-16x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	110065	965237
3/8-16x1-3/8	Full	Coarse	Alloy Steel	Black Oxide	103816	965294
3/8-16x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	115710	965240
3/8-16x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	115727	965243
3/8-16x2	Full	Coarse	Alloy Steel	Black Oxide	115743	965246



**Earnest**

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
3/8-16x2-1/4	Partial	Coarse	Alloy Steel	Black Oxide	115760	965249
3/8-16x2-1/2	Partial	Coarse	Alloy Steel	Black Oxide	115776	965252
3/8-16x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	115792	965255
3/8-16x3	Partial	Coarse	Alloy Steel	Black Oxide	115808	965258
3/8-16x3-1/4	Partial	Coarse	Alloy Steel	Black Oxide	115824	965261
3/8-16x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	122480	965264
3/8-16x3-3/4	Partial	Coarse	Alloy Steel	Black Oxide	105003	965267
3/8-16x4	Partial	Coarse	Alloy Steel	Black Oxide	115857	965270
3/8-16x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	115873	965273
3/8-16x5	Partial	Coarse	Alloy Steel	Black Oxide	115889	965276
3/8-16x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	105035	965279
3/8-16x5-3/4	Partial	Coarse	Alloy Steel	Black Oxide	113866	965282
3/8-16x6	Partial	Coarse	Alloy Steel	Black Oxide	112859	965285
3/8-16x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	111241	965288
3/8-16x8	Partial	Coarse	Alloy Steel	Black Oxide	112990	965291

3/8-24x1/2	Full	Fine	Alloy Steel	Black Oxide	110867	965348
3/8-24x5/8	Full	Fine	Alloy Steel	Black Oxide	110883	965354
3/8-24x3/4	Full	Fine	Alloy Steel	Black Oxide	110900	965351
3/8-24x7/8	Full	Fine	Alloy Steel	Black Oxide	110917	965357
3/8-24x1	Full	Fine	Alloy Steel	Black Oxide	110934	965309
3/8-24x1-1/4	Full	Fine	Alloy Steel	Black Oxide	110950	965312
3/8-24x1-1/2	Full	Fine	Alloy Steel	Black Oxide	110966	965315
3/8-24x1-3/4	Full	Fine	Alloy Steel	Black Oxide	116440	965318
3/8-24x2	Full	Fine	Alloy Steel	Black Oxide	116456	965321
3/8-24x2-1/4	Partial	Fine	Alloy Steel	Black Oxide	116472	965324
3/8-24x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	116488	965327
3/8-24x2-3/4	Partial	Fine	Alloy Steel	Black Oxide	112246	965330
3/8-24x3	Partial	Fine	Alloy Steel	Black Oxide	116504	965333
3/8-24x3-1/4	Partial	Fine	Alloy Steel	Black Oxide	400467	965336
3/8-24x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	112278	965339
3/8-24x4	Partial	Fine	Alloy Steel	Black Oxide	119090	965342
3/8-24x4-1/2	Partial	Fine	Alloy Steel	Black Oxide	108318	965345

7/16-14x3/4	Full	Coarse	Alloy Steel	Black Oxide	107385	965399
7/16-14x7/8	Full	Coarse	Alloy Steel	Black Oxide	107417	965402
7/16-14x1	Full	Coarse	Alloy Steel	Black Oxide	107449	965360
7/16-14x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	118520	965363
7/16-14x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	118554	965366
7/16-14x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	118586	965369
7/16-14x2	Full	Coarse	Alloy Steel	Black Oxide	118619	965372
7/16-14x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	116299	965375



**Earnest**

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
7/16-14x2-1/2	Partial	Coarse	Alloy Steel	Black Oxide	116332	965378
7/16-14x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	116364	965381
7/16-14x3	Partial	Coarse	Alloy Steel	Black Oxide	116396	965384
7/16-14x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110568	965387
7/16-14x4	Partial	Coarse	Alloy Steel	Black Oxide	115611	965390
7/16-14x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	104743	965393
7/16-14x5	Partial	Coarse	Alloy Steel	Black Oxide	110554	965396

7/16-20x1	Full	Fine	Alloy Steel	Black Oxide	116520	965405
7/16-20x1-1/4	Full	Fine	Alloy Steel	Black Oxide	104561	965408
7/16-20x1-1/2	Full	Fine	Alloy Steel	Black Oxide	104577	965411
7/16-20x2	Full	Fine	Alloy Steel	Black Oxide	104593	965414
7/16-20x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	105615	965417
7/16-20x3	Partial	Fine	Alloy Steel	Black Oxide	122789	965420
7/16-20x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	116284	965423

1/2-13x1/2	Full	Coarse	Alloy Steel	Black Oxide	115644	965519
1/2-13x5/8	Full	Coarse	Alloy Steel	Black Oxide	115677	965525
1/2-13x3/4	Full	Coarse	Alloy Steel	Black Oxide	102603	965522
1/2-13x7/8	Full	Coarse	Alloy Steel	Black Oxide	102636	965528
1/2-13x1	Full	Coarse	Alloy Steel	Black Oxide	102670	965426
1/2-13x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	102703	965429
1/2-13x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	107950	965432
1/2-13x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	108016	965435
1/2-13x2	Full	Coarse	Alloy Steel	Black Oxide	102464	965438
1/2-13x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	110772	965441
1/2-13x2-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110837	965444
1/2-13x2-3/4	Partial	Coarse	Alloy Steel	Black Oxide	110903	965447
1/2-13x3	Partial	Coarse	Alloy Steel	Black Oxide	120761	965450
1/2-13x3-1/4	Partial	Coarse	Alloy Steel	Black Oxide	111303	965453
1/2-13x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	111575	965456
1/2-13x3-3/4	Partial	Coarse	Alloy Steel	Black Oxide	103111	965459
1/2-13x4	Partial	Coarse	Alloy Steel	Black Oxide	111608	965462
1/2-13x4-1/4	Partial	Coarse	Alloy Steel	Black Oxide	107772	965465
1/2-13x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	111641	965468
1/2-13x4-3/4	Partial	Coarse	Alloy Steel	Black Oxide	119162	965471
1/2-13x5	Partial	Coarse	Alloy Steel	Black Oxide	111673	965474
1/2-13x5-1/4	Partial	Coarse	Alloy Steel	Black Oxide	107805	965477
1/2-13x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	115511	965480
1/2-13x5-3/4	Partial	Coarse	Alloy Steel	Black Oxide	107839	965483
1/2-13x6	Partial	Coarse	Alloy Steel	Black Oxide	115544	965486
1/2-13x6-1/4	Partial	Coarse	Alloy Steel	Black Oxide	105005	965489
1/2-13x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	115576	965492
1/2-13x7	Partial	Coarse	Alloy Steel	Black Oxide	109736	965495

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
1/2-13x7-1/2	Partial	Coarse	Alloy Steel	Black Oxide	107937	965498
1/2-13x8	Partial	Coarse	Alloy Steel	Black Oxide	109768	965501
1/2-13x8-1/2	Partial	Coarse	Alloy Steel	Black Oxide	108003	965504
1/2-13x9	Partial	Coarse	Alloy Steel	Black Oxide	102417	965507
1/2-13x10	Partial	Coarse	Alloy Steel	Black Oxide	102451	965510
1/2-13x11	Partial	Coarse	Alloy Steel	Black Oxide	108275	965513
1/2-13x12	Partial	Coarse	Alloy Steel	Black Oxide	105569	965516

1/2-20x3/4	Full	Fine	Alloy Steel	Black Oxide	116247	965582
1/2-20x1	Full	Fine	Alloy Steel	Black Oxide	104609	965531
1/2-20x1-1/4	Full	Fine	Alloy Steel	Black Oxide	104625	965534
1/2-20x1-1/2	Full	Fine	Alloy Steel	Black Oxide	109763	965537
1/2-20x1-3/4	Full	Fine	Alloy Steel	Black Oxide	109780	965540
1/2-20x2	Full	Fine	Alloy Steel	Black Oxide	109796	965543
1/2-20x2-1/4	Full	Fine	Alloy Steel	Black Oxide	122870	965546
1/2-20x2-1/2	Partial	Fine	Alloy Steel	Black Oxide	107220	965549
1/2-20x2-3/4	Partial	Fine	Alloy Steel	Black Oxide	111047	965552
1/2-20x3	Partial	Fine	Alloy Steel	Black Oxide	107237	965555
1/2-20x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	116617	965558
1/2-20x4	Partial	Fine	Alloy Steel	Black Oxide	119272	965561
1/2-20x4-1/2	Partial	Fine	Alloy Steel	Black Oxide	700928	965564
1/2-20x5	Partial	Fine	Alloy Steel	Black Oxide	116285	965567
1/2-20x5-1/2	Partial	Fine	Alloy Steel	Black Oxide	700930	965570
1/2-20x6	Partial	Fine	Alloy Steel	Black Oxide	116286	965573
1/2-20x7	Partial	Fine	Alloy Steel	Black Oxide	700932	965576
1/2-20x8	Partial	Fine	Alloy Steel	Black Oxide	700933	965579

5/8-11x1	Full	Coarse	Alloy Steel	Black Oxide	109802	965585
5/8-11x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	109593	965588
5/8-11x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	109626	965591
5/8-11x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	116335	965594
5/8-11x2	Full	Coarse	Alloy Steel	Black Oxide	111036	965597
5/8-11x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	111069	965600
5/8-11x2-1/2	Full	Coarse	Alloy Steel	Black Oxide	111101	965603
5/8-11x2-3/4	Full	Coarse	Alloy Steel	Black Oxide	116639	965606
5/8-11x3	Full	Coarse	Alloy Steel	Black Oxide	116673	965609
5/8-11x3-1/4	Partial	Coarse	Alloy Steel	Black Oxide	116705	965612
5/8-11x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	116737	965615
5/8-11x4	Partial	Coarse	Alloy Steel	Black Oxide	102196	965618
5/8-11x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	102047	965621
5/8-11x5	Partial	Coarse	Alloy Steel	Black Oxide	120714	965624
5/8-11x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	120746	965627
5/8-11x6	Partial	Coarse	Alloy Steel	Black Oxide	120778	965630
5/8-11x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	111320	965633

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
5/8-11x7	Partial	Coarse	Alloy Steel	Black Oxide	111354	965636
5/8-11x7-1/2	Partial	Coarse	Alloy Steel	Black Oxide	122898	965639
5/8-11x8	Partial	Coarse	Alloy Steel	Black Oxide	104175	965642
5/8-11x8-1/2	Partial	Coarse	Alloy Steel	Black Oxide	109197	965645
5/8-11x9	Partial	Coarse	Alloy Steel	Black Oxide	118276	965648
5/8-11x10	Partial	Coarse	Alloy Steel	Black Oxide	106599	965651
5/8-11x11	Partial	Coarse	Alloy Steel	Black Oxide	107003	965654
5/8-11x12	Partial	Coarse	Alloy Steel	Black Oxide	115134	965657

5/8-18x1	Full	Fine	Alloy Steel	Black Oxide	117868	965660
5/8-18x1-1/4	Full	Fine	Alloy Steel	Black Oxide	117884	965663
5/8-18x1-1/2	Full	Fine	Alloy Steel	Black Oxide	117901	965666
5/8-18x1-3/4	Full	Fine	Alloy Steel	Black Oxide	117918	965669
5/8-18x2	Full	Fine	Alloy Steel	Black Oxide	117935	965672
5/8-18x2-1/4	Full	Fine	Alloy Steel	Black Oxide	105032	965675
5/8-18x2-1/2	Full	Fine	Alloy Steel	Black Oxide	117951	965678
5/8-18x3	Full	Fine	Alloy Steel	Black Oxide	105894	965681
5/8-18x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	121385	965684
5/8-18x4	Partial	Fine	Alloy Steel	Black Oxide	117038	965687
5/8-18x4-1/2	Partial	Fine	Alloy Steel	Black Oxide	700946	965690
5/8-18x5	Partial	Fine	Alloy Steel	Black Oxide	119030	965693
5/8-18x5-1/2	Partial	Fine	Alloy Steel	Black Oxide	700948	965696
5/8-18x6	Partial	Fine	Alloy Steel	Black Oxide	107467	965699

3/4-10x1-1/4	Full	Coarse	Alloy Steel	Black Oxide	104210	965702
3/4-10x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	104244	965705
3/4-10x1-3/4	Full	Coarse	Alloy Steel	Black Oxide	113859	965708
3/4-10x2	Full	Coarse	Alloy Steel	Black Oxide	113892	965711
3/4-10x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	113924	965714
3/4-10x2-1/2	Full	Coarse	Alloy Steel	Black Oxide	113957	965717
3/4-10x2-3/4	Full	Coarse	Alloy Steel	Black Oxide	113990	965720
3/4-10x3	Full	Coarse	Alloy Steel	Black Oxide	111623	965723
3/4-10x3-1/4	Full	Coarse	Alloy Steel	Black Oxide	111656	965726
3/4-10x3-1/2	Partial	Coarse	Alloy Steel	Black Oxide	111689	965729
3/4-10x3-3/4	Partial	Coarse	Alloy Steel	Black Oxide	111246	965732
3/4-10x4	Partial	Coarse	Alloy Steel	Black Oxide	111722	965735
3/4-10x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	104539	965738
3/4-10x5	Partial	Coarse	Alloy Steel	Black Oxide	110759	965741
3/4-10x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110793	965744
3/4-10x6	Partial	Coarse	Alloy Steel	Black Oxide	121562	965747
3/4-10x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110858	965750
3/4-10x7	Partial	Coarse	Alloy Steel	Black Oxide	110891	965753
3/4-10x8	Partial	Coarse	Alloy Steel	Black Oxide	110924	965756
3/4-10x8-1/2	Partial	Coarse	Alloy Steel	Black Oxide	103863	965759



**Earnest**

PRODUCT SPECIFICATION SHEET

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
3/4-10x9	Partial	Coarse	Alloy Steel	Black Oxide	107374	965762
3/4-10x9-1/2	Partial	Coarse	Alloy Steel	Black Oxide	107438	965765
3/4-10x10	Partial	Coarse	Alloy Steel	Black Oxide	118545	965768
3/4-10x11	Partial	Coarse	Alloy Steel	Black Oxide	121572	965771
3/4-10x12	Partial	Coarse	Alloy Steel	Black Oxide	118610	965774
3/4-10x13	Partial	Coarse	Alloy Steel	Black Oxide	108283	965777

3/4-16x1-1/4	Full	Fine	Alloy Steel	Black Oxide	700952	965780
3/4-16x1-1/2	Full	Fine	Alloy Steel	Black Oxide	120615	965783
3/4-16x2	Full	Fine	Alloy Steel	Black Oxide	120376	965786
3/4-16x2-1/2	Full	Fine	Alloy Steel	Black Oxide	138871	965789
3/4-16x3	Full	Fine	Alloy Steel	Black Oxide	102344	965792
3/4-16x3-1/2	Partial	Fine	Alloy Steel	Black Oxide	117976	965795
3/4-16x4	Partial	Fine	Alloy Steel	Black Oxide	118041	965798
3/4-16x4-1/2	Partial	Fine	Alloy Steel	Black Oxide	114043	965801
3/4-16x5	Partial	Fine	Alloy Steel	Black Oxide	116293	965804
3/4-16x5-1/2	Partial	Fine	Alloy Steel	Black Oxide	183843	965807
3/4-16x6	Partial	Fine	Alloy Steel	Black Oxide	700962	965810

7/8-9x2	Full	Coarse	Alloy Steel	Black Oxide	110957	965813
7/8-9x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	116447	965816
7/8-9x2-1/2	Full	Coarse	Alloy Steel	Black Oxide	116479	965819
7/8-9x2-3/4	Full	Coarse	Alloy Steel	Black Oxide	116511	965822
7/8-9x3	Full	Coarse	Alloy Steel	Black Oxide	104568	965825
7/8-9x3-1/4	Full	Coarse	Alloy Steel	Black Oxide	104600	965828
7/8-9x3-1/2	Full	Coarse	Alloy Steel	Black Oxide	104632	965831
7/8-9x4	Partial	Coarse	Alloy Steel	Black Oxide	104665	965834
7/8-9x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	104697	965837
7/8-9x5	Partial	Coarse	Alloy Steel	Black Oxide	104729	965840
7/8-9x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	104761	965843
7/8-9x6	Partial	Coarse	Alloy Steel	Black Oxide	104793	965846
7/8-9x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110251	965849
7/8-9x7	Partial	Coarse	Alloy Steel	Black Oxide	115937	965852
7/8-9x8	Partial	Coarse	Alloy Steel	Black Oxide	115970	965855

7/8-14x2-1/2	Full	Fine	Alloy Steel	Black Oxide	106327	965858
7/8-14x3-1/2	Full	Fine	Alloy Steel	Black Oxide	105086	965861

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## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
1-8x1-1/2	Full	Coarse	Alloy Steel	Black Oxide	102584	966290
1-8x2	Full	Coarse	Alloy Steel	Black Oxide	116002	966293
1-8x2-1/4	Full	Coarse	Alloy Steel	Black Oxide	116035	966296
1-8x2-1/2	Full	Coarse	Alloy Steel	Black Oxide	115091	966299
1-8x2-3/4	Full	Coarse	Alloy Steel	Black Oxide	115123	966302
1-8x3	Full	Coarse	Alloy Steel	Black Oxide	104702	966305
1-8x3-1/4	Full	Coarse	Alloy Steel	Black Oxide	115189	966308
1-8x3-1/2	Full	Coarse	Alloy Steel	Black Oxide	114821	966311
1-8x4	Partial	Coarse	Alloy Steel	Black Oxide	114853	966314
1-8x4-1/2	Partial	Coarse	Alloy Steel	Black Oxide	114888	966317
1-8x5	Partial	Coarse	Alloy Steel	Black Oxide	114920	966320
1-8x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	103572	966323
1-8x6	Partial	Coarse	Alloy Steel	Black Oxide	103589	966326
1-8x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	103606	966329
1-8x7	Partial	Coarse	Alloy Steel	Black Oxide	103623	966332
1-8x7-1/2	Partial	Coarse	Alloy Steel	Black Oxide	100398	966335
1-8x8	Partial	Coarse	Alloy Steel	Black Oxide	122961	966338
1-8x8-1/2	Partial	Coarse	Alloy Steel	Black Oxide	105063	966341
1-8x9	Partial	Coarse	Alloy Steel	Black Oxide	116867	966344
1-8x9-1/2	Partial	Coarse	Alloy Steel	Black Oxide	121557	966347
1-8x10	Partial	Coarse	Alloy Steel	Black Oxide	116899	966350
1-8x11	Partial	Coarse	Alloy Steel	Black Oxide	102035	966353
1-8x12	Partial	Coarse	Alloy Steel	Black Oxide	104168	966356
1-8x14	Partial	Coarse	Alloy Steel	Black Oxide	121558	966359

1-12x2-3/4	Full	Fine	Alloy Steel	Black Oxide	117604	966362
1-12x3-1/2	Full	Fine	Alloy Steel	Black Oxide	109908	966365
1-12x5-1/2	Partial	Fine	Alloy Steel	Black Oxide	105362	966368
1-12x6	Partial	Fine	Alloy Steel	Black Oxide	116289	966371
1-12x8	Partial	Fine	Alloy Steel	Black Oxide	105350	966374

1-1/4-7x2-1/2	Full	Coarse	Alloy Steel	Black Oxide	115451	965864
1-1/4-7x3	Full	Coarse	Alloy Steel	Black Oxide	115468	965867
1-1/4-7x3-1/2	Full	Coarse	Alloy Steel	Black Oxide	121587	965870
1-1/4-7x4	Full	Coarse	Alloy Steel	Black Oxide	104842	965873
1-1/4-7x4-1/2	Full	Coarse	Alloy Steel	Black Oxide	104857	965876
1-1/4-7x5	Full	Coarse	Alloy Steel	Black Oxide	112918	965879
1-1/4-7x5-1/2	Partial	Coarse	Alloy Steel	Black Oxide	104887	965882
1-1/4-7x6	Partial	Coarse	Alloy Steel	Black Oxide	110103	965885
1-1/4-7x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	110118	965888
1-1/4-7x7	Partial	Coarse	Alloy Steel	Black Oxide	110136	965891
1-1/4-7x8	Partial	Coarse	Alloy Steel	Black Oxide	110152	965894
1-1/4-7x9	Partial	Coarse	Alloy Steel	Black Oxide	110168	965897
1-1/4-7x10	Partial	Coarse	Alloy Steel	Black Oxide	110184	965900
1-1/4-7x12	Partial	Coarse	Alloy Steel	Black Oxide	110201	965903



**Earnest**

## Unbrako Socket Head Cap Screws - Inch

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
1-1/4-12x3-1/2	Full	Fine	Alloy Steel	Black Oxide	106603	965906
1-1/4-12x4	Full	Fine	Alloy Steel	Black Oxide	116291	965909
1-1/4-12x4-1/2	Full	Fine	Alloy Steel	Black Oxide	108258	965912
1-1/4-12x5	Full	Fine	Alloy Steel	Black Oxide	109017	965915
1-1/4-12x5-1/2	Partial	Fine	Alloy Steel	Black Oxide	116292	965918
1-1/4-12x6	Partial	Fine	Alloy Steel	Black Oxide	107644	965921

1-1/2-6x3	Full	Coarse	Alloy Steel	Black Oxide	110217	965924
1-1/2-6x3-1/2	Full	Coarse	Alloy Steel	Black Oxide	110234	965927
1-1/2-6x4	Full	Coarse	Alloy Steel	Black Oxide	110250	965930
1-1/2-6x4-1/2	Full	Coarse	Alloy Steel	Black Oxide	115919	965933
1-1/2-6x5	Full	Coarse	Alloy Steel	Black Oxide	115936	965936
1-1/2-6x5-1/2	Full	Coarse	Alloy Steel	Black Oxide	115953	965939
1-1/2-6x6	Full	Coarse	Alloy Steel	Black Oxide	115969	965942
1-1/2-6x6-1/2	Partial	Coarse	Alloy Steel	Black Oxide	115985	965945
1-1/2-6x7	Partial	Coarse	Alloy Steel	Black Oxide	116001	965948
1-1/2-6x8	Partial	Coarse	Alloy Steel	Black Oxide	116017	965951
1-1/2-6x9	Partial	Coarse	Alloy Steel	Black Oxide	116033	965954
1-1/2-6x10	Partial	Coarse	Alloy Steel	Black Oxide	116050	965957
1-1/2-6x12	Partial	Coarse	Alloy Steel	Black Oxide	116068	965960

1-1/2-12x3	Full	Fine	Alloy Steel	Black Oxide	103034	965963
1-1/2-12x3-1/2	Full	Fine	Alloy Steel	Black Oxide	116143	965966
1-1/2-12x4	Full	Fine	Alloy Steel	Black Oxide	110258	965969
1-1/2-12x4-1/2	Full	Fine	Alloy Steel	Black Oxide	110290	965972
1-1/2-12x5	Full	Fine	Alloy Steel	Black Oxide	110697	965975
1-1/2-12x5-1/2	Full	Fine	Alloy Steel	Black Oxide	109136	965978
1-1/2-12x6	Full	Fine	Alloy Steel	Black Oxide	106106	965981
1-1/2-12x7	Partial	Fine	Alloy Steel	Black Oxide	107588	965984
1-1/2-12x8	Partial	Fine	Alloy Steel	Black Oxide	100447	965987
1-1/2-12x9	Partial	Fine	Alloy Steel	Black Oxide	103771	965990
1-1/2-12x10	Partial	Fine	Alloy Steel	Black Oxide	114786	965993



## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M1.6-0.35x4	Full	Coarse	ISO 12.9	Black Oxide	104138	966377
M1.6-0.35x6	Full	Coarse	ISO 12.9	Black Oxide	104150	966380

M2-0.4x3	Full	Coarse	ISO 12.9	Black Oxide	104151	966707
M2-0.4x4	Full	Coarse	ISO 12.9	Black Oxide	104152	966710
M2-0.4x5	Full	Coarse	ISO 12.9	Black Oxide	104154	966713
M2-0.4x6	Full	Coarse	ISO 12.9	Black Oxide	104155	966716
M2-0.4x8	Full	Coarse	ISO 12.9	Black Oxide	104157	966719
M2-0.4x10	Full	Coarse	ISO 12.9	Black Oxide	104159	966722
M2-0.4x12	Full	Coarse	ISO 12.9	Black Oxide	106216	966725

M2.5-0.45x5	Full	Coarse	ISO 12.9	Black Oxide	104161	966728
M2.5-0.45x6	Full	Coarse	ISO 12.9	Black Oxide	104162	966731
M2.5-0.45x8	Full	Coarse	ISO 12.9	Black Oxide	104163	966734
M2.5-0.45x10	Full	Coarse	ISO 12.9	Black Oxide	104164	966737
M2.5-0.45x12	Full	Coarse	ISO 12.9	Black Oxide	104166	966740

M3-0.5x5	Full	Coarse	ISO 12.9	Black Oxide	106218	966908
M3-0.5x6	Full	Coarse	ISO 12.9	Black Oxide	103002	966911
M3-0.5x8	Full	Coarse	ISO 12.9	Black Oxide	122097	966914
M3-0.5x10	Full	Coarse	ISO 12.9	Black Oxide	113583	966917
M3-0.5x12	Full	Coarse	ISO 12.9	Black Oxide	120870	966920
M3-0.5x14	Full	Coarse	ISO 12.9	Black Oxide	400509	966923
M3-0.5x15	Full	Coarse	ISO 12.9	Black Oxide	400506	966926
M3-0.5x16	Full	Coarse	ISO 12.9	Black Oxide	103003	966929
M3-0.5x20	Full	Coarse	ISO 12.9	Black Oxide	113623	966932
M3-0.5x25	Partial	Coarse	ISO 12.9	Black Oxide	103010	966935
M3-0.5x30	Partial	Coarse	ISO 12.9	Black Oxide	103013	966938
M3-0.5x35	Partial	Coarse	ISO 12.9	Black Oxide	106219	966941

M4-0.7x5	Full	Coarse	ISO 12.9	Black Oxide	106220	967064
M4-0.7x6	Full	Coarse	ISO 12.9	Black Oxide	106223	967067
M4-0.7x8	Full	Coarse	ISO 12.9	Black Oxide	113810	967070
M4-0.7x10	Full	Coarse	ISO 12.9	Black Oxide	113839	967073
M4-0.7x12	Full	Coarse	ISO 12.9	Black Oxide	121077	967076
M4-0.7x14	Full	Coarse	ISO 12.9	Black Oxide	400568	967079
M4-0.7x15	Full	Coarse	ISO 12.9	Black Oxide	400511	967082
M4-0.7x16	Full	Coarse	ISO 12.9	Black Oxide	103014	967085
M4-0.7x18	Full	Coarse	ISO 12.9	Black Oxide	103015	967088
M4-0.7x20	Full	Coarse	ISO 12.9	Black Oxide	125753	967091
M4-0.7x22	Full	Coarse	ISO 12.9	Black Oxide	400521	967094
M4-0.7x25	Full	Coarse	ISO 12.9	Black Oxide	125381	967097



## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M4-0.7x30	Partial	Coarse	ISO 12.9	Black Oxide	103018	967100
M4-0.7x35	Partial	Coarse	ISO 12.9	Black Oxide	103019	967103
M4-0.7x40	Partial	Coarse	ISO 12.9	Black Oxide	103021	967106
M4-0.7x45	Partial	Coarse	ISO 12.9	Black Oxide	103022	967109
M4-0.7x50	Partial	Coarse	ISO 12.9	Black Oxide	103023	967112

M5-0.8x6	Full	Coarse	ISO 12.9	Black Oxide	106224	967115
M5-0.8x8	Full	Coarse	ISO 12.9	Black Oxide	122122	967118
M5-0.8x10	Full	Coarse	ISO 12.9	Black Oxide	122243	967121
M5-0.8x12	Full	Coarse	ISO 12.9	Black Oxide	121094	967124
M5-0.8x14	Full	Coarse	ISO 12.9	Black Oxide	400513	967127
M5-0.8x15	Full	Coarse	ISO 12.9	Black Oxide	400510	967130
M5-0.8x16	Full	Coarse	ISO 12.9	Black Oxide	103024	967133
M5-0.8x18	Full	Coarse	ISO 12.9	Black Oxide	400522	967136
M5-0.8x20	Full	Coarse	ISO 12.9	Black Oxide	113970	967139
M5-0.8x22	Full	Coarse	ISO 12.9	Black Oxide	400523	967142
M5-0.8x25	Full	Coarse	ISO 12.9	Black Oxide	121096	967145
M5-0.8x30	Partial	Coarse	ISO 12.9	Black Oxide	103029	967148
M5-0.8x35	Partial	Coarse	ISO 12.9	Black Oxide	115292	967151
M5-0.8x40	Partial	Coarse	ISO 12.9	Black Oxide	103030	967154
M5-0.8x45	Partial	Coarse	ISO 12.9	Black Oxide	103031	967157
M5-0.8x50	Partial	Coarse	ISO 12.9	Black Oxide	103035	967160
M5-0.8x55	Partial	Coarse	ISO 12.9	Black Oxide	103038	967163
M5-0.8x60	Partial	Coarse	ISO 12.9	Black Oxide	103040	967166
M5-0.8x65	Partial	Coarse	ISO 12.9	Black Oxide	106225	967169
M5-0.8x70	Partial	Coarse	ISO 12.9	Black Oxide	106228	967172

M6-1.0x8	Full	Coarse	ISO 12.9	Black Oxide	103042	967175
M6-1.0x10	Full	Coarse	ISO 12.9	Black Oxide	122111	967178
M6-1.0x12	Full	Coarse	ISO 12.9	Black Oxide	120872	967181
M6-1.0x14	Full	Coarse	ISO 12.9	Black Oxide	400567	967184
M6-1.0x15	Full	Coarse	ISO 12.9	Black Oxide	400512	967187
M6-1.0x16	Full	Coarse	ISO 12.9	Black Oxide	103044	967190
M6-1.0x18	Full	Coarse	ISO 12.9	Black Oxide	103045	967193
M6-1.0x20	Full	Coarse	ISO 12.9	Black Oxide	119790	967196
M6-1.0x22	Full	Coarse	ISO 12.9	Black Oxide	103046	967199
M6-1.0x25	Full	Coarse	ISO 12.9	Black Oxide	119937	967244
M6-1.0x30	Full	Coarse	ISO 12.9	Black Oxide	122121	967247

## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M6-1.0x35	Partial	Coarse	ISO 12.9	Black Oxide	121090	967202
M6-1.0x40	Partial	Coarse	ISO 12.9	Black Oxide	121075	967205
M6-1.0x45	Partial	Coarse	ISO 12.9	Black Oxide	122087	967208
M6-1.0x50	Partial	Coarse	ISO 12.9	Black Oxide	112624	967211
M6-1.0x55	Partial	Coarse	ISO 12.9	Black Oxide	113128	967214
M6-1.0x60	Partial	Coarse	ISO 12.9	Black Oxide	122088	967217
M6-1.0x65	Partial	Coarse	ISO 12.9	Black Oxide	103047	967220
M6-1.0x70	Partial	Coarse	ISO 12.9	Black Oxide	103048	967223
M6-1.0x75	Partial	Coarse	ISO 12.9	Black Oxide	103049	967226
M6-1.0x80	Partial	Coarse	ISO 12.9	Black Oxide	103051	967229
M6-1.0x90	Partial	Coarse	ISO 12.9	Black Oxide	103052	967232
M6-1.0x100	Partial	Coarse	ISO 12.9	Black Oxide	103053	967235
M6-1.0x110	Partial	Coarse	ISO 12.9	Black Oxide	103054	967238
M6-1.0x120	Partial	Coarse	ISO 12.9	Black Oxide	103055	967241

M8-1.25x10	Full	Coarse	ISO 12.9	Black Oxide	103056	967250
M8-1.25x12	Full	Coarse	ISO 12.9	Black Oxide	114972	967253
M8-1.25x14	Full	Coarse	ISO 12.9	Black Oxide	400524	967256
M8-1.25x15	Full	Coarse	ISO 12.9	Black Oxide	400514	967259
M8-1.25x16	Full	Coarse	ISO 12.9	Black Oxide	103058	967262
M8-1.25x18	Full	Coarse	ISO 12.9	Black Oxide	400569	967265
M8-1.25x20	Full	Coarse	ISO 12.9	Black Oxide	122086	967268
M8-1.25 x22	Full	Coarse	ISO 12.9	Black Oxide	120642	967271
M8-1.25 x25	Full	Coarse	ISO 12.9	Black Oxide	119351	967274
M8-1.25 x30	Full	Coarse	ISO 12.9	Black Oxide	119383	967277
M8-1.25 x35	Full	Coarse	ISO 12.9	Black Oxide	122113	967280

M8-1.25 x40	Partial	Coarse	ISO 12.9	Black Oxide	113143	967283
M8-1.25 x45	Partial	Coarse	ISO 12.9	Black Oxide	121076	967286
M8-1.25 x50	Partial	Coarse	ISO 12.9	Black Oxide	121068	967289
M8-1.25 x55	Partial	Coarse	ISO 12.9	Black Oxide	103063	967292
M8-1.25 x60	Partial	Coarse	ISO 12.9	Black Oxide	121070	967295
M8-1.25 x65	Partial	Coarse	ISO 12.9	Black Oxide	103064	967298
M8-1.25 x70	Partial	Coarse	ISO 12.9	Black Oxide	103066	967301
M8-1.25 x75	Partial	Coarse	ISO 12.9	Black Oxide	103069	967304
M8-1.25 x80	Partial	Coarse	ISO 12.9	Black Oxide	103070	967307
M8-1.25 x90	Partial	Coarse	ISO 12.9	Black Oxide	103073	967310
M8-1.25 x100	Partial	Coarse	ISO 12.9	Black Oxide	103075	967313
M8-1.25 x110	Partial	Coarse	ISO 12.9	Black Oxide	103076	967316
M8-1.25 x120	Partial	Coarse	ISO 12.9	Black Oxide	103077	967319
M8-1.25 x130	Partial	Coarse	ISO 12.9	Black Oxide	106230	967322
M8-1.25 x140	Partial	Coarse	ISO 12.9	Black Oxide	106231	967325



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## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M8-1.25 x150	Partial	Coarse	ISO 12.9	Black Oxide	106232	967328
M8-1.25 x160	Partial	Coarse	ISO 12.9	Black Oxide	106233	967331
M8-1.25 x180	Partial	Coarse	ISO 12.9	Black Oxide	106234	967334
M8-1.25 x200	Partial	Coarse	ISO 12.9	Black Oxide	106235	967337

M10-1.5x10	Full	Coarse	ISO 12.9	Black Oxide	106236	966383
M10-1.5x12	Full	Coarse	ISO 12.9	Black Oxide	106237	966386
M10-1.5x15	Full	Coarse	ISO 12.9	Black Oxide	400525	966389
M10-1.5x16	Full	Coarse	ISO 12.9	Black Oxide	103080	966392
M10-1.5x18	Full	Coarse	ISO 12.9	Black Oxide	400526	966395
M10-1.5x20	Full	Coarse	ISO 12.9	Black Oxide	113163	966398
M10-1.5x22	Full	Coarse	ISO 12.9	Black Oxide	400527	966401
M10-1.5x25	Full	Coarse	ISO 12.9	Black Oxide	115060	966404
M10-1.5x30	Full	Coarse	ISO 12.9	Black Oxide	122114	966407
M10-1.5x35	Full	Coarse	ISO 12.9	Black Oxide	113257	966410
M10-1.5x40	Full	Coarse	ISO 12.9	Black Oxide	100845	966413
M10-1.5x45	Partial	Coarse	ISO 12.9	Black Oxide	121088	966416
M10-1.5x50	Partial	Coarse	ISO 12.9	Black Oxide	125660	966419
M10-1.5x55	Partial	Coarse	ISO 12.9	Black Oxide	103087	966422
M10-1.5x60	Partial	Coarse	ISO 12.9	Black Oxide	122217	966425
M10-1.5x65	Partial	Coarse	ISO 12.9	Black Oxide	103088	966428
M10-1.5x70	Partial	Coarse	ISO 12.9	Black Oxide	125786	966431
M10-1.5x75	Partial	Coarse	ISO 12.9	Black Oxide	103090	966434
M10-1.5x80	Partial	Coarse	ISO 12.9	Black Oxide	103091	966437
M10-1.5x90	Partial	Coarse	ISO 12.9	Black Oxide	103094	966440
M10-1.5x100	Partial	Coarse	ISO 12.9	Black Oxide	103095	966443
M10-1.5x110	Partial	Coarse	ISO 12.9	Black Oxide	103096	966446
M10-1.5x120	Partial	Coarse	ISO 12.9	Black Oxide	103097	966449
M10-1.5x130	Partial	Coarse	ISO 12.9	Black Oxide	106240	966452
M10-1.5x140	Partial	Coarse	ISO 12.9	Black Oxide	106241	966455
M10-1.5x150	Partial	Coarse	ISO 12.9	Black Oxide	106242	966458
M10-1.5x160	Partial	Coarse	ISO 12.9	Black Oxide	106243	966461
M10-1.5x180	Partial	Coarse	ISO 12.9	Black Oxide	106244	966464
M10-1.5x200	Partial	Coarse	ISO 12.9	Black Oxide	106245	966467
M10-1.5x220	Partial	Coarse	ISO 12.9	Black Oxide	400517	966470

M12-1.75x12	Full	Coarse	ISO 12.9	Black Oxide	106246	966473
M12-1.75x16	Full	Coarse	ISO 12.9	Black Oxide	106247	966476
M12-1.75x20	Full	Coarse	ISO 12.9	Black Oxide	112607	966479
M12-1.75x25	Full	Coarse	ISO 12.9	Black Oxide	122250	966482
M12-1.75x30	Full	Coarse	ISO 12.9	Black Oxide	122251	966485
M12-1.75x35	Full	Coarse	ISO 12.9	Black Oxide	125530	966488
M12-1.75x40	Full	Coarse	ISO 12.9	Black Oxide	114996	966491
M12-1.75x45	Full	Coarse	ISO 12.9	Black Oxide	115075	966494
M12-1.75x50	Full	Coarse	ISO 12.9	Black Oxide	112360	966497

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## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M12-1.75x55	Partial	Coarse	ISO 12.9	Black Oxide	122255	966500
M12-1.75x60	Partial	Coarse	ISO 12.9	Black Oxide	122260	966503
M12-1.75x65	Partial	Coarse	ISO 12.9	Black Oxide	122261	966506
M12-1.75x70	Partial	Coarse	ISO 12.9	Black Oxide	103098	966509
M12-1.75x75	Partial	Coarse	ISO 12.9	Black Oxide	103099	966512
M12-1.75x80	Partial	Coarse	ISO 12.9	Black Oxide	103100	966515
M12-1.75x90	Partial	Coarse	ISO 12.9	Black Oxide	103103	966518
M12-1.75x100	Partial	Coarse	ISO 12.9	Black Oxide	122142	966521
M12-1.75x110	Partial	Coarse	ISO 12.9	Black Oxide	125791	966524
M12-1.75x120	Partial	Coarse	ISO 12.9	Black Oxide	103104	966527
M12-1.75x130	Partial	Coarse	ISO 12.9	Black Oxide	103107	966530
M12-1.75x140	Partial	Coarse	ISO 12.9	Black Oxide	103108	966533
M12-1.75x150	Partial	Coarse	ISO 12.9	Black Oxide	103110	966536
M12-1.75x160	Partial	Coarse	ISO 12.9	Black Oxide	107456	966539
M12-1.75x180	Partial	Coarse	ISO 12.9	Black Oxide	107458	966542
M12-1.75x200	Partial	Coarse	ISO 12.9	Black Oxide	107459	966545
M12-1.75x260	Partial	Coarse	ISO 12.9	Black Oxide	400572	966548

M14-2.0x25	Full	Coarse	ISO 12.9	Black Oxide	400528	966551
M14-2.0x30	Full	Coarse	ISO 12.9	Black Oxide	400529	966554
M14-2.0x35	Full	Coarse	ISO 12.9	Black Oxide	400530	966557
M14-2.0x40	Full	Coarse	ISO 12.9	Black Oxide	400531	966560
M14-2.0x45	Full	Coarse	ISO 12.9	Black Oxide	400532	966563
M14-2.0x50	Full	Coarse	ISO 12.9	Black Oxide	120863	966566
M14-2.0x55	Full	Coarse	ISO 12.9	Black Oxide	400533	966569
M14-2.0x60	Partial	Coarse	ISO 12.9	Black Oxide	112000	966572
M14-2.0x65	Partial	Coarse	ISO 12.9	Black Oxide	400534	966575
M14-2.0x70	Partial	Coarse	ISO 12.9	Black Oxide	400535	966578
M14-2.0x75	Partial	Coarse	ISO 12.9	Black Oxide	400536	966581
M14-2.0x80	Partial	Coarse	ISO 12.9	Black Oxide	400537	966584
M14-2.0x90	Partial	Coarse	ISO 12.9	Black Oxide	400538	966587
M14-2.0x100	Partial	Coarse	ISO 12.9	Black Oxide	400539	966590
M14-2.0x110	Partial	Coarse	ISO 12.9	Black Oxide	400540	966593
M14-2.0x120	Partial	Coarse	ISO 12.9	Black Oxide	400508	966596

M16-2.0x25	Full	Coarse	ISO 12.9	Black Oxide	106248	966599
M16-2.0x30	Full	Coarse	ISO 12.9	Black Oxide	103112	966602
M16-2.0x35	Full	Coarse	ISO 12.9	Black Oxide	103113	966605
M16-2.0x40	Full	Coarse	ISO 12.9	Black Oxide	125751	966608
M16-2.0x45	Full	Coarse	ISO 12.9	Black Oxide	103115	966611
M16-2.0x50	Full	Coarse	ISO 12.9	Black Oxide	112474	966614
M16-2.0x55	Full	Coarse	ISO 12.9	Black Oxide	103117	966617
M16-2.0x60	Full	Coarse	ISO 12.9	Black Oxide	112594	966620





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## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M16-2.0x65	Partial	Coarse	ISO 12.9	Black Oxide	103118	966623
M16-2.0x70	Partial	Coarse	ISO 12.9	Black Oxide	103119	966626
M16-2.0x75	Partial	Coarse	ISO 12.9	Black Oxide	103120	966629
M16-2.0x80	Partial	Coarse	ISO 12.9	Black Oxide	125658	966632
M16-2.0x90	Partial	Coarse	ISO 12.9	Black Oxide	103122	966635
M16-2.0x100	Partial	Coarse	ISO 12.9	Black Oxide	103123	966638
M16-2.0x110	Partial	Coarse	ISO 12.9	Black Oxide	103124	966641
M16-2.0x120	Partial	Coarse	ISO 12.9	Black Oxide	103126	966644
M16-2.0x130	Partial	Coarse	ISO 12.9	Black Oxide	103127	966647
M16-2.0x140	Partial	Coarse	ISO 12.9	Black Oxide	103128	966650
M16-2.0x150	Partial	Coarse	ISO 12.9	Black Oxide	103129	966653
M16-2.0x160	Partial	Coarse	ISO 12.9	Black Oxide	103364	966656
M16-2.0x180	Partial	Coarse	ISO 12.9	Black Oxide	107460	966659
M16-2.0x200	Partial	Coarse	ISO 12.9	Black Oxide	107448	966662
M16-2.0x240	Partial	Coarse	ISO 12.9	Black Oxide	400575	966665
M16-2.0x260	Partial	Coarse	ISO 12.9	Black Oxide	400576	966668
M16-2.0x300	Partial	Coarse	ISO 12.9	Black Oxide	400578	966671

M18-2.5x35	Full	Coarse	ISO 12.9	Black Oxide	400541	966674
M18-2.5x40	Full	Coarse	ISO 12.9	Black Oxide	400542	966677
M18-2.5x45	Full	Coarse	ISO 12.9	Black Oxide	400606	966680
M18-2.5x50	Full	Coarse	ISO 12.9	Black Oxide	100844	966683
M18-2.5x60	Full	Coarse	ISO 12.9	Black Oxide	400544	966686
M18-2.5x65	Full	Coarse	ISO 12.9	Black Oxide	400545	966689
M18-2.5x70	Partial	Coarse	ISO 12.9	Black Oxide	400546	966692
M18-2.5x80	Partial	Coarse	ISO 12.9	Black Oxide	400549	966695
M18-2.5x90	Partial	Coarse	ISO 12.9	Black Oxide	400550	966698
M18-2.5x100	Partial	Coarse	ISO 12.9	Black Oxide	400551	966701
M18-2.5x120	Partial	Coarse	ISO 12.9	Black Oxide	400552	966704

M20-2.5x30	Full	Coarse	ISO 12.9	Black Oxide	107465	966743
M20-2.5x35	Full	Coarse	ISO 12.9	Black Oxide	107466	966746
M20-2.5x40	Full	Coarse	ISO 12.9	Black Oxide	103130	966749
M20-2.5x45	Full	Coarse	ISO 12.9	Black Oxide	103131	966752
M20-2.5x50	Full	Coarse	ISO 12.9	Black Oxide	103132	966755
M20-2.5x55	Full	Coarse	ISO 12.9	Black Oxide	103136	966758
M20-2.5x60	Full	Coarse	ISO 12.9	Black Oxide	103137	966761
M20-2.5x65	Full	Coarse	ISO 12.9	Black Oxide	103138	966764
M20-2.5x70	Full	Coarse	ISO 12.9	Black Oxide	103141	966767

## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M20-2.5x75	Partial	Coarse	ISO 12.9	Black Oxide	103142	966770
M20-2.5x80	Partial	Coarse	ISO 12.9	Black Oxide	103143	966773
M20-2.5x90	Partial	Coarse	ISO 12.9	Black Oxide	103144	966776
M20-2.5x100	Partial	Coarse	ISO 12.9	Black Oxide	103145	966779
M20-2.5x110	Partial	Coarse	ISO 12.9	Black Oxide	103146	966782
M20-2.5x120	Partial	Coarse	ISO 12.9	Black Oxide	103148	966785
M20-2.5x130	Partial	Coarse	ISO 12.9	Black Oxide	103150	966788
M20-2.5x140	Partial	Coarse	ISO 12.9	Black Oxide	103151	966791
M20-2.5x150	Partial	Coarse	ISO 12.9	Black Oxide	103152	966794
M20-2.5x160	Partial	Coarse	ISO 12.9	Black Oxide	107462	966797
M20-2.5x180	Partial	Coarse	ISO 12.9	Black Oxide	107463	966800
M20-2.5x200	Partial	Coarse	ISO 12.9	Black Oxide	107464	966803
M20-2.5x220	Partial	Coarse	ISO 12.9	Black Oxide	400553	966806
M20-2.5x240	Partial	Coarse	ISO 12.9	Black Oxide	400554	966809
M20-2.5x260	Partial	Coarse	ISO 12.9	Black Oxide	400555	966812
M20-2.5x280	Partial	Coarse	ISO 12.9	Black Oxide	400556	966815
M20-2.5x300	Partial	Coarse	ISO 12.9	Black Oxide	400557	966818

M22-2.5x80	Partial	Coarse	ISO 12.9	Black Oxide	180186	966821
M22-2.5x90	Partial	Coarse	ISO 12.9	Black Oxide	180187	966824
M22-2.5x100	Partial	Coarse	ISO 12.9	Black Oxide	180188	966827
M22-2.5x110	Partial	Coarse	ISO 12.9	Black Oxide	180189	966830
M22-2.5x140	Partial	Coarse	ISO 12.9	Black Oxide	180192	966833

M24-3.0x40	Full	Coarse	ISO 12.9	Black Oxide	106249	966836
M24-3.0x45	Full	Coarse	ISO 12.9	Black Oxide	103153	966839
M24-3.0x50	Full	Coarse	ISO 12.9	Black Oxide	103155	966842
M24-3.0x55	Full	Coarse	ISO 12.9	Black Oxide	103157	966845
M24-3.0x60	Full	Coarse	ISO 12.9	Black Oxide	103158	966848
M24-3.0x65	Full	Coarse	ISO 12.9	Black Oxide	103159	966851
M24-3.0x70	Full	Coarse	ISO 12.9	Black Oxide	103160	966854
M24-3.0x75	Full	Coarse	ISO 12.9	Black Oxide	103161	966857
M24-3.0x80	Full	Coarse	ISO 12.9	Black Oxide	103162	966860

M24-3.0x90	Partial	Coarse	ISO 12.9	Black Oxide	103163	966863
M24-3.0x100	Partial	Coarse	ISO 12.9	Black Oxide	103165	966866
M24-3.0x110	Partial	Coarse	ISO 12.9	Black Oxide	103166	966869
M24-3.0x120	Partial	Coarse	ISO 12.9	Black Oxide	103167	966872
M24-3.0x130	Partial	Coarse	ISO 12.9	Black Oxide	103168	966875
M24-3.0x140	Partial	Coarse	ISO 12.9	Black Oxide	103170	966878
M24-3.0x150	Partial	Coarse	ISO 12.9	Black Oxide	103171	966881
M24-3.0x160	Partial	Coarse	ISO 12.9	Black Oxide	104143	966884
M24-3.0x180	Partial	Coarse	ISO 12.9	Black Oxide	104146	966887



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## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M24-3.0x200	Partial	Coarse	ISO 12.9	Black Oxide	104147	966890
M24-3.0x220	Partial	Coarse	ISO 12.9	Black Oxide	400560	966893
M24-3.0x240	Partial	Coarse	ISO 12.9	Black Oxide	400561	966896
M24-3.0x260	Partial	Coarse	ISO 12.9	Black Oxide	400562	966899
M24-3.0x280	Partial	Coarse	ISO 12.9	Black Oxide	400563	966902
M24-3.0x300	Partial	Coarse	ISO 12.9	Black Oxide	400564	966905

M30-3.5x70	Full	Coarse	ISO 12.9	Black Oxide	116464	966944
M30-3.5x80	Full	Coarse	ISO 12.9	Black Oxide	140610	966947
M30-3.5x90	Full	Coarse	ISO 12.9	Black Oxide	140611	966950
M30-3.5x100	Full	Coarse	ISO 12.9	Black Oxide	140612	966953
M30-3.5x110	Partial	Coarse	ISO 12.9	Black Oxide	140613	966956
M30-3.5x120	Partial	Coarse	ISO 12.9	Black Oxide	140614	966959
M30-3.5x130	Partial	Coarse	ISO 12.9	Black Oxide	140615	966962
M30-3.5x140	Partial	Coarse	ISO 12.9	Black Oxide	140616	966965
M30-3.5x150	Partial	Coarse	ISO 12.9	Black Oxide	140617	966968
M30-3.5x160	Partial	Coarse	ISO 12.9	Black Oxide	140618	966971
M30-3.5x180	Partial	Coarse	ISO 12.9	Black Oxide	140620	966974
M30-3.5x200	Partial	Coarse	ISO 12.9	Black Oxide	140621	966977
M30-3.5x220	Partial	Coarse	ISO 12.9	Black Oxide	400622	966980
M30-3.5x240	Partial	Coarse	ISO 12.9	Black Oxide	400623	966983
M30-3.5x260	Partial	Coarse	ISO 12.9	Black Oxide	140624	966986
M30-3.5x280	Partial	Coarse	ISO 12.9	Black Oxide	140625	966989
M30-3.5x300	Partial	Coarse	ISO 12.9	Black Oxide	400626	966992
M30-3.5x320	Partial	Coarse	ISO 12.9	Black Oxide	180848	966995
M30-3.5x360	Partial	Coarse	ISO 12.9	Black Oxide	400627	966998
M30-3.5x380	Partial	Coarse	ISO 12.9	Black Oxide	182648	967001

M36-4.0x80	Full	Coarse	ISO 12.9	Black Oxide	140629	967004
M36-4.0x90	Full	Coarse	ISO 12.9	Black Oxide	140630	967007
M36-4.0x100	Full	Coarse	ISO 12.9	Black Oxide	140631	967010
M36-4.0x110	Full	Coarse	ISO 12.9	Black Oxide	400632	967013

## Unbrako Socket Head Cap Screws - Metric

SIZE	THREAD	PITCH	MATERIAL	FINISH	UNBRAKO PART #	EARNEST PART #
M36-4.0x120	Partial	Coarse	ISO 12.9	Black Oxide	140633	967016
M36-4.0x130	Partial	Coarse	ISO 12.9	Black Oxide	400634	967019
M36-4.0x140	Partial	Coarse	ISO 12.9	Black Oxide	140635	967022
M36-4.0x150	Partial	Coarse	ISO 12.9	Black Oxide	140636	967025
M36-4.0x160	Partial	Coarse	ISO 12.9	Black Oxide	140637	967028
M36-4.0x180	Partial	Coarse	ISO 12.9	Black Oxide	140639	967031
M36-4.0x200	Partial	Coarse	ISO 12.9	Black Oxide	140640	967034
M36-4.0x220	Partial	Coarse	ISO 12.9	Black Oxide	180294	967037
M36-4.0x240	Partial	Coarse	ISO 12.9	Black Oxide	140641	967040
M36-4.0x260	Partial	Coarse	ISO 12.9	Black Oxide	140642	967043
M36-4.0x280	Partial	Coarse	ISO 12.9	Black Oxide	180411	967046
M36-4.0x300	Partial	Coarse	ISO 12.9	Black Oxide	140643	967049
M36-4.0x320	Partial	Coarse	ISO 12.9	Black Oxide	180490	967052
M36-4.0x340	Partial	Coarse	ISO 12.9	Black Oxide	181287	967055
M36-4.0x360	Partial	Coarse	ISO 12.9	Black Oxide	183067	967058
M36-4.0x380	Partial	Coarse	ISO 12.9	Black Oxide	183068	967061