



FOUNDED 1925®

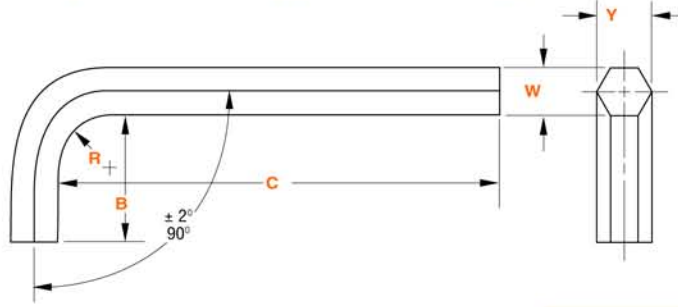
# BRIGHTON SOCKET SCREW

# Best

Hexagon  
Wrench  
Keys



# Dimensions



## METRIC Hexagon Keys

Socket Size	W		Y		B		C				R	Torsional Shear Strength Minimum	Torsional Yield Strength Minimum
	Hexagon Width Across Flats		Hexagon Width Across Corners		Length of Short Arm		Length of Long Arm						
	Max	Min	Max	Min	Max	Min	Short Series		Long Series		Min	N.m	N.m
<b>0.71</b>	0.711	0.682	0.798	0.762	8	3	34	28	69	63	1.5	0.13	0.12
<b>0.89</b>	0.899	0.864	0.998	0.960	11	6	34	28	71	65	1.5	0.27	0.24
<b>1.27</b>	1.270	1.231	1.422	1.372	16	11	44	39	75	69	1.5	0.79	0.68
<b>1.5</b>	1.500	1.455	1.690	1.640	14	13	45	43	78	78	1.5	1.20	1.02
<b>2</b>	2.000	1.955	2.250	2.200	16	15	50	48	83	81	2.0	3.00	2.70
<b>2.5</b>	2.500	2.455	2.820	2.770	18	17	56	53	90	87	2.5	6.20	5.40
<b>3</b>	3.000	2.940	3.399	3.340	20	18	63	60	100	97	3.0	10.50	9.10
<b>4</b>	4.000	3.940	4.532	4.470	25	23	70	66	106	102	4.0	24.90	21.70
<b>5</b>	5.000	4.840	5.690	5.630	28	26	80	76	118	114	5.0	48.80	42.50
<b>6</b>	6.000	5.192	6.828	6.760	32	30	90	86	140	136	6.0	83.50	72.80
<b>8</b>	8.000	7.920	9.136	9.030	36	34	100	95	160	155	8.0	199.00	173.00
<b>10</b>	10.000	9.920	11.470	11.340	40	38	112	106	170	164	10.0	386.00	336.00
<b>12</b>	12.000	11.920	13.764	13.590	45	43	125	119	212	206	12.0	634.00	551.00
<b>14</b>	14.000	13.900	16.058	15.880	56	53	140	133	236	229	14.0	995.00	867.00
<b>17</b>	17.000	16.800	19.499	19.300	63	60	160	152	250	242	17.0	1710.00	1490.00
<b>19</b>	19.000	18.900	21.793	21.580	70	67	180	171	280	271	19.0	2380.00	2070.00

## INCH Hexagon Keys

Socket Size	W		Y		B		C				R	Torsional Shear Strength Minimum	Torsional Yield Strength Minimum
	Hexagon Width Across Flats		Hexagon Width Across Corners		Length of Short Arm		Length of Long Arm						
	Max	Min	Max	Min	Max	Min	Short Series		Long Series		Min	lb. in	lb. in
<b>0.028</b>	0.0280	0.0275	0.0314	0.0300	0.312	0.125	1.312	1.125	2.688	2.500	0.062	1.2	1.1
<b>0.035</b>	0.0350	0.0345	0.0393	0.0378	0.438	0.250	1.312	1.125	2.766	2.578	0.062	2.4	2.1
<b>0.050</b>	0.0500	0.0490	0.0560	0.0540	0.625	0.438	1.750	1.562	2.938	2.750	0.062	7.0	6.0
<b>1/16</b>	0.0625	0.0615	0.0701	0.0680	0.656	0.469	1.844	1.656	3.094	2.906	0.062	12.0	11.0
<b>5/64</b>	0.0781	0.0771	0.0880	0.0859	0.703	0.516	1.969	1.781	3.281	3.094	0.078	26.0	23.0
<b>3/32</b>	0.0937	0.0927	0.1058	0.1035	0.750	0.562	2.094	1.906	3.469	3.281	0.094	46.0	40.0
<b>7/64</b>	0.1094	0.1079	0.1238	0.1210	0.797	0.609	2.219	2.031	3.656	3.469	0.109	73.0	63.0
<b>1/8</b>	0.1250	0.1235	0.1418	0.1390	0.844	0.656	2.344	2.156	3.844	3.656	0.125	108.0	94.0
<b>9/64</b>	0.1406	0.1391	0.1593	0.1566	0.891	0.703	2.469	2.281	4.031	3.844	0.141	154.0	134.0
<b>5/32</b>	0.1562	0.1547	0.1774	0.1745	0.938	0.750	2.594	2.406	4.219	4.031	0.156	210.0	183.0
<b>3/16</b>	0.1875	0.1860	0.2135	0.2105	1.031	0.844	2.844	2.656	4.594	4.406	0.188	364.0	317.0
<b>7/32</b>	0.2187	0.2172	0.2490	0.2460	1.125	0.938	3.094	2.906	4.969	4.781	0.219	580.0	502.0
<b>1/4</b>	0.2500	0.2485	0.2845	0.2815	1.219	1.031	3.344	3.156	5.344	5.156	0.250	860.0	750.0
<b>5/16</b>	0.3125	0.3110	0.3570	0.3531	1.344	1.156	3.844	3.656	6.094	5.906	0.312	1685.0	1465.0
<b>3/8</b>	0.3750	0.3735	0.4285	0.4238	1.469	1.281	4.344	4.156	6.844	6.656	0.375	2900.0	2520.0
<b>7/16</b>	0.4375	0.4355	0.5005	0.4944	1.594	1.406	4.844	4.656	7.594	7.406	0.438	4400.0	3860.0
<b>1/2</b>	0.5000	0.4975	0.5715	0.5650	1.719	1.531	5.344	5.156	8.344	8.156	0.500	6600.0	5750.0
<b>9/16</b>	0.5625	0.5600	0.6420	0.6356	1.844	1.656	5.844	5.656	9.094	8.906	0.562	9200.0	8000.0
<b>5/8</b>	0.6250	0.6225	0.7146	0.7080	1.969	1.781	6.344	6.156	9.844	9.656	0.625	12650.0	11000.0
<b>3/4</b>	0.7500	0.7470	0.8580	0.8512	2.219	2.031	7.344	7.156	11.344	11.156	0.750	20800.0	18100.0
<b>7/8</b>	0.8750	0.8720	1.0020	0.9931	2.469	2.281	8.344	8.156	12.844	12.656	0.875	29200.0	25400.0
<b>1</b>	1.0000	0.9970	1.1470	1.1350	2.719	2.531	9.344	9.156	14.344	14.156	1.000	43700.0	38000.0
<b>1 1/4</b>	1.2500	1.2430	-	-	3.250	2.750	11.500	11.000	-	-	1.250	71900.0	62500.0
<b>1 1/2</b>	1.5000	1.4930	-	-	3.750	3.250	13.500	13.000	-	-	1.500	124000.0	108000.0
<b>1 3/4</b>	1.7500	1.7430	-	-	4.250	3.750	15.500	15.000	-	-	1.750	198000.0	172000.0
<b>2</b>	2.0000	1.9930	-	-	4.750	4.250	17.500	17.000	-	-	2.000	276000.0	240000.0



# WRENCH KEYS



## SHORT ARM HEXAGON WRENCH KEYS

KEY SIZE	PACK	WEIGHT	6150	8650
0.71	200	0.045	513070	530070
0.89	200	0.078	513090	530090
1.27	200	0.091	513130	530130
1.5	500	0.097	513002	530002
2	500	0.178	513004	530004
2.5	500	0.319	513006	530006
3	200	0.491	513008	530008
4	200	0.977	513010	530010
5	200	1.832	513012	530012
6	100	2.909	513014	530014
7				
8	50	6.032	513016	530016
10	25	11.614	513018	530018
12	25	17.027	513020	530020
14	10	26.641	513022	530022
17	5	46.455	513024	530024
19	5	62.273	513026	530026
22	5	95.000	513028	530028
24	1	148.000	513030	530030
27	1	159.000	513032	530032
32	1	256.000	513034	530034

## LONG ARM HEXAGON WRENCH KEYS

KEY SIZE	PACK	WEIGHT	6150	8650
0.71				
0.89				
1.27	200	0.086	514001	528001
1.5	200	0.117	514002	528002
2	200	0.259	514004	528004
2.5	200	0.445	514006	528006
3	200	0.759	514008	528008
4	200	1.482	514010	528010
5	100	2.477	514012	528012
6	100	5.260	514014	528014
7	50	7.523		528015
8	50	8.559	514016	528016
10	25	15.627	514018	528018
12	10	28.545	514020	528020
14	10	36.145	514022	528022
17	5	62.900	514024	528024
19	5	82.636	514026	528026
22	1	128.250	514029	528029
24	1	199.800	514032	528032
27	1	214.650	514035	528035
32	1	345.600	514038	528038

## SHORT ARM HEXAGON WRENCH KEYS

KEY SIZE	PACK	WEIGHT	6150	8650
0.028"	200	0.045	511001	509001
0.035"	200	0.078	511002	509002
0.050"	200	0.091	511003	509003
1/16"	200	0.136	511004	509004
5/64"	200	0.164	511005	509005
3/32"	200	0.250	511006	509006
7/64"	200	0.373	511007	509007
1/8"	200	0.514	511008	509008
9/64"	200	0.682	511009	509009
5/32"	200	0.873	511010	509010
3/16"	100	1.418	511011	509011
7/32"	100	2.064	511012	509012
1/4"	100	3.450	511013	509013
5/16"	50	5.455	511014	509014
3/8"	50	9.091	511015	509015
7/16"	25	13.636	511016	509016
1/2"	25	19.727	511017	509017
9/16"	10	26.727	511018	509018
5/8"	10	36.364	511019	509019
3/4"	5	75.610	511020	509020
7/8"	1	95.455	511021	509021
1"	1	138.136	511022	509022
1-1/8"	1	181.818	511024	509024
1-1/4"	1	227.273	511026	509026
1-3/8"	1	272.727	511028	509028
1-1/2"	1	318.182	511030	509030
1-5/8"	1	363.636	511032	509032
1-3/4"	1	409.091	511034	509034
1-7/8"	1	454.545	511036	509036

## LONG ARM HEXAGON WRENCH KEYS

KEY SIZE	PACK	WEIGHT	6150	8650
0.028"				
0.035"				
0.050"	200	0.086	512033	519033
1/16"	200	0.127	512001	519001
5/64"	200	0.245	512002	519002
3/32"	200	0.409	512003	519003
7/64"	200	0.573	512004	519004
1/8"	200	0.768	512005	519005
9/64"	200	1.032	512006	519006
5/32"	200	1.295	512007	519007
3/16"	100	2.064	512008	519008
7/32"	100	3.073	512009	519009
1/4"	50	5.620	512010	519010
5/16"	50	7.909	512011	519011
3/8"	25	13.000	512012	519012
7/16"	10	19.455	512013	519013
1/2"	10	28.545	512014	519014
9/16"	10	36.364	512015	519015
5/8"	5	50.000	512016	519016
3/4"	5	82.636	512017	519017
7/8"	1	129.864	512018	519018
1"	1	181.818	512019	519019



FOUNDED 1925®

# BrightonBest

## Socket Screw

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**SOCKET CAP SCREWS**

METRIC	STEEL 12.9	532
METRIC	STEEL NON STANDARD	594
METRIC	STEEL 12.9 ZINC PLATE	911
METRIC	A2 ST STEEL	538
METRIC	FINE PITCH STEEL 12.9	532
METRIC	LOW HEAD	531
UNC UNF	1960 ALLOY STEEL	011
UNC UNF	STEEL NON STANDARD	581
UNC UNF	1936 ALLOY STEEL	307
UNC UNF	ALLOY STEEL MECH ZINC	837
UNC UNF	STEEL NYLON PATCH	015
UNC UNF	STEEL NYLON PELLET	271
UNC UNF	A2 ST STEEL	012
UNC UNF	A2 ST STEEL NON STD	592
UNC UNF	A2 ST STEEL NYLON PATCH	016
UNC UNF	A4 ST STEEL	014
UNC UNF	MONEL	018
UNC UNF	LOW HEAD	019
WHITWORTH	STEEL 12.9	813
B5F	STEEL 12.9	813
B4	STEEL 12.9	820

**SOCKET COUNTERSINK SCREWS**

METRIC	STEEL 10.9	534
METRIC	STEEL 10.9 ZINC PLATED	913
METRIC	A2 ST STEEL	823
UNC UNF	ALLOY STEEL	211
UNC UNF	ALLOY STEEL NON STD	721
UNC UNF	STEEL MECH ZINC	840
UNC UNF	STEEL NYLON PATCH	215
UNC UNF	STEEL NYLON PELLET	293
UNC UNF	A2 ST STEEL	212
UNC UNF	A2 ST STEEL NON STD	712
WHITWORTH	STEEL	814
B5F	STEEL	814
B4	STEEL	818

**SOCKET BUTTON HEAD SCREWS**

METRIC	STEEL 10.9	535
METRIC	STEEL 10.9 ZINC PLATED	914
METRIC	A2 ST STEEL	824
METRIC	FLANGE BUTTONS	965
METRIC	FLANGE BUTTONS ZINC	921
METRIC	FLANGE BUTTONS A2	921
UNC UNF	ALLOY STEEL	201
UNC UNF	ALLOY STEEL NON STD	701
UNC UNF	STEEL NYLON PATCH	225
UNC UNF	STEEL NYLON PELLET	295
UNC UNF	A2 ST STEEL	202
UNC UNF	A2 ST STEEL NON STD	702
WHITWORTH	STEEL	817
B5F	STEEL	817
B4	STEEL	819

**SOCKET SHOULDER SCREWS**

METRIC	STEEL 12.9	537
METRIC	A2 ST STEEL	221
UNC UNF	STEEL 12.9	711
UNC UNF	NON STANDARD	710
UNC UNF	A2 ST STEEL	710
UNC UNF	STEEL NYLON PATCH	225
UNC UNF	STEEL NYLON PELLET	295

**HEXAGON KEYS**

METRIC	SHORT ARM 8650	530
METRIC	SHORT ARM 6150	513
METRIC	LONG ARM 8650	528
INCH	SHORT ARM 8650	509
INCH	LONG ARM 8650	519
METRIC	POUGH & T KITS	529
INCH	POUGH & T KITS	529

**TEE BOLTS**

WHITWORTH	STEEL 12.9	948
METRIC	STEEL 12.9	948

**SQUARE HEAD SCREWS**

UNC	STEEL CUP PT	409
UNC	STEEL CUP PT GIANT	411
UNC	STEEL CUP PT	412
UNC	ALLOY CUP PT	805
UNC	STEEL DOG PT	410
UNC	BRASS CUP PT	407
UNC	STAINLESS CUP PT	408
UNC	STEEL FLAT PT	413
UNC	STEEL CONE PT	414
UNC	STEEL OVAL PT	415

**DOWEL PINS**

METRIC	H68 STEEL	536
METRIC	EXTRACTABLE	548
METRIC	STAINLESS STEEL	549
INCH	H68 STEEL	241
INCH	STAINLESS STEEL	242
INCH	OVER SIZE	251
INCH	PULL OUT	261

**HEX BOLTS AND HEX SET SCREWS**

METRIC	8.8 DIN 931 933	815
METRIC	10.9 DIN 931 933	440
UNC UNF	US GRADE 5.5 8.8	847
UNC UNF	US GRADE 5 NON	846
UNC UNF	S&E GRADE 8 10.9	450
UNC UNF	S&E GRADE 8 NON	451
UNC	L9	440

**WASHERS**

INCH	US 8 FLAT	351
INCH	S&E FLAT	381
INCH	GRADE 8 SPRING	341
INCH	L9 SPECIAL	448
INCH	HIGH COLLAR SPRING	013
METRIC	US FLAT	371
METRIC	SPRING	361

**SPRING TENSION PINS**

METRIC	STEEL	802
METRIC	STAINLESS STEEL	801
INCH	STEEL	801
INCH	STAINLESS STEEL	803

**SOCKET PRESSURE PIPE PLUGS**

B5PT	STEEL	822
NPTF 3/4	STEEL DRI SEAL	231
NPTF 7/8	STEEL FLUSH SEAL	233
NPTF 3/4	ST STEEL	232
NPTF 3/4	BRASS	230
METRIC	STEEL	230

**NUTS**

METRIC	FULL NUTS GRADE 10	315
UNC UNF	S&E 5 NUTS	848
UNC UNF	S&E 8 NUTS	306
UNC UNF	S&E 8 NUTS LARGE	308
UNC UNF	L9 FILL NUT	444
UNC UNF	L9 LOCKING NUT	446
UNC UNF	JAM NUTS	816
METRIC	NYLON INSERT DIN902/905	812
UNC UNF	NYLON INSERT NE & NW	305
UNC UNF	NYLON INSERT A2 NE & NW	310
UNC UNF	NYLON INSERT NTRM NI NTU	305
UNC UNF	NYLON INSERT 8 PHOS	828
UNC UNF	NYLON INSERT 8 L & Y	845
UNC UNF	ALL METAL LOCKING NUT	825

**TAMPER RESISTANT**

UNC UNF	SOCKET CAP	810
UNC UNF	SOCKET CJK	808
UNC UNF	SOCKET BUTTON	806
UNC UNF	A2 SOCKET CAP	811
UNC UNF	A2 SOCKET CJK	809
UNC UNF	A2 SOCKET BUTTON	807
INCH	HEXAGON KEY	510

**FLAT POINT**

METRIC	STEEL 14.9	821
UNC UNF	STEEL	111
UNC UNF	STEEL NON STD	821
UNC UNF	STEEL NYLON PATCH	151
UNC UNF	STEEL NYLON PATCH	603
UNC UNF	STEEL NYLON PATCH	155
UNC UNF	A2 ST STEEL	703

**CONE POINT**

METRIC	STEEL 14.9	831
UNC UNF	ALLOY STEEL	121
UNC UNF	STEEL NON STD	604
UNC UNF	STEEL NYLON PATCH	125
UNC UNF	STEEL NYLON PATCH	704
UNC UNF	A2 ST STEEL	704

**DOG POINT**

METRIC	STEEL 14.9	833
UNC UNF	STEEL	141
UNC UNF	STEEL NON STD	606
UNC UNF	STEEL NYLON PATCH	145
UNC UNF	A2 ST STEEL	706

**SOCKET SET SCREWS TIPPED**

UNC UNF	STEEL NYLON TIP	475
UNC UNF	STEEL BRASS TIP	476
UNC UNF	A2 NYLON TIP	477

**FULL DOG**

UNC UNF	STEEL HULL DOG	607
UNC UNF	A2 ST STEEL FULL DOG	707

**SLOTTED**

METRIC	STEEL 12.9 DIN 553 CONE	982
METRIC	STEEL 12.9 DIN 551 FLAT	980

