



HI-TENSILE

HEX PRODUCTS

BRIGHTON-BEST INTERNATIONAL

AUSTRALIA
AUHTX062010

Tested, Tried and True™



CONTENTS

PRODUCT	PREFIX	PAGE
METRIC CLASS 8.8 HEX BOLTS / BOLT & NUTS		
Class 8.8 Hex Bolts - Plain	880/867	1-3
Class 8.8 Hex Bolts - Z/P Clear (Trivalent)	815/470	3-5
Class 8.8 Hex Bolts & Nuts - Plain	481	5-7
Class 8.8 Hex Bolts & Nuts - Z/P Clear (Trivalent)	482	7-8
METRIC ALLOY CLASS 10.9 HEX BOLTS		
Class 10.9 Hex Bolts - Z/P Clear (Trivalent)	466	9-10
Class 10.9 Hex Bolts - Plain (M30 & M36)	882	10-11
Class 10.9 Hex Bolts - Plain (Fine Pitch)	882	10-11
IMPERIAL ALLOY GRADE 8 HEX BOLTS		
Grade 8 Hex Bolts - Plain	452/451	12-17
Grade 8 Hex Bolts - Z/P Yellow (Dichromate)	450/455	17-21
Grade 8 Hex Bolts - Z/P Clear (Trivalent)	453	21-25
NUTS		
METRIC		
Class 8 Hex Nuts - Plain	881	26
Class 8 Hex Nuts - Z/P Clear (Trivalent)	868	26
Class 10 Hex Nuts - Z/P Clear (Trivalent)	309	26
Class 10 Hex Nuts - Plain (M30 & M36)	316	26
Class 10 Hex Nuts - Plain (Fine Pitch)	316	26
IMPERIAL		
Grade 8 Hex Nuts - Plain	326/308	26
Grade 8 Hex Nuts - Z/P Yellow (Dichromate)	306	26-27
Grade 8 Hex Nuts - Z/P Clear (Trivalent)	328	27
IMPERIAL		
Grade C Conelock Nuts - Z/P & Waxed	825	27
METRIC		
Class 10 Conelock Nuts - Z/P & Waxed	826	27
METRIC		
Class 6 Nylon Insert Locknuts - Z/P	304	27
Class 8 Nylon Insert Locknuts - Z/P	812	28
Class 10 Nylon Insert Locknuts - Z/P	312	28
IMPERIAL		
Grade 2 Nylon Insert Locknuts - Z/P	305	28-29
Grade C Nylon Insert Locknuts - Phos & Oil	828	29
Grade C Nylon Insert Locknuts - Z/P	829	29
WASHERS		
METRIC		
Hardened Flat Washers - Z/P	371/373	30
Hardened Flat Washers - Plain	372/374	30
Hardened Spring Washers - Z/P	361	30
IMPERIAL		
SAE Hardened Flat Washers - Plain	375/382	31
SAE Hardened Flat Washers - Z/P Yellow (Dich.)	381/383	31
SAE Hardened Flat Washers - Z/P Clear (Trivalent)	376	31
USS (OVERSIZE) Hardened Flat Washers - Z/P Yellow (Dich.)	351/353	32
USS (OVERSIZE) Hardened Flat Washers - Plain	352/354	32
SAE Hardened Spring Washers - Plain	358/342	32
SAE Hardened Spring Washers - Z/P Yellow (Dich.)	341/340	33
SAE Hardened Spring Washers - Z/P Clear (Trivalent)	359	33
L9® FASTENING SYSTEM		
Alloy L9® Hex Bolts - Z/P Yellow Dichromate	440	34-37
L9® Hex Nuts - Cad. & Wax Yellow Dichromate	444	38
L9® Stover Locknuts - Cad. & Wax Yellow Dichromate	446	38
L9® Tension Flat Washers - Cad. & Wax Yellow Dichromate	448	38
AS 1252 STRUCTURALS		
Metric		
Class 8.8 Structural Assemblies Hot Dip - Galvanised	952	38-39
Class 8 Structural Nuts H.D.G / Plain	339	39
Structural Washers H.D.G / Plain	362	39
REFERENCES		

- * All prices purchase in this catalogue is per 100
- * All prices are exclusive of GST
- * Items with length coloured in **RED** are supplied in full thread



CLASS 8.8 HEXAGON BOLTS

METRIC-PLAIN

AS/NZS 1110 - ISO 4014/4017



CLASS 8.8 HEXAGON BOLTS

METRIC-PLAIN

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M5 0.80mm Pitch	20	100	0.39	880410
	25	100	0.48	880413
	30	100	0.56	880416
	35	100	0.64	880419
	40	100	0.72	880422
	45	100	0.80	880425
	50	100	0.87	880428
	55	100	0.95	880431
	60	100	1.03	880434
M6 1.00mm Pitch	12	100	0.44	880437
	16	100	0.53	880001
	20	100	0.60	880007
	25	100	0.70	880010
	30	100	0.81	880013
	35	100	0.92	880016
	40	100	1.02	880019
	45	100	1.13	880022
	50	100	1.24	880025
	55	100	1.34	880440
	60	100	1.45	880028
	65	100	1.55	880443
	70	100	1.67	880029
	75	100	1.76	880446
	80	100	1.89	880030
M8 1.25mm Pitch	12	100	0.98	880665
	16	100	1.07	880031
	20	100	1.19	880034
	25	100	1.34	880037
	30	100	1.53	880040
	35	100	1.72	880043
	40	100	1.91	880046
	45	100	2.10	880049
	50	100	2.29	880052
	55	100	2.57	880449
	60	100	2.68	880055
	65	100	2.97	880452
	70	100	3.06	880058
	75	100	3.36	880455
	80	100	3.56	880458
	90	100	3.95	880461
	100	100	4.34	880464
	110	100	4.77	880668
	120	100	5.17	880671
	130	100	5.57	880674
M10 1.50mm Pitch	16	100	1.85	880061
	20	100	2.03	880064
	25	100	2.28	880067
	30	100	2.53	880070
	35	100	2.82	880073
	40	100	3.49	880076
	45	100	3.79	880079
	50	100	4.10	880082
	55	100	4.37	880085
	60	100	4.68	880088
	65	100	4.99	880091
	70	100	5.30	880094
	75	100	5.61	880097
	80	100	5.92	880100

Diameter	Length	Box	Weight KG/100	Code
M10 1.50mm Pitch ... Continues				
	90	50	6.54	880103
	100	50	7.16	880106
	110	50	7.76	880467
	120	50	8.43	880470
	130	50	8.94	880473
	140	50	9.60	880476
	150	50	10.20	880479
	160	25	10.89	880677
	170	25	11.51	880680
	180	25	12.13	880683
	190	25	12.75	880686
	200	25	13.37	880689
M12 1.75mm Pitch	20	50	2.99	880109
	25	50	3.36	880112
	30	50	3.70	880115
	35	50	4.06	880118
	40	50	4.48	880121
	45	50	5.17	880124
	50	50	5.77	880127
	55	50	6.17	880130
	60	50	6.62	880133
	65	50	7.08	880136
	70	50	7.53	880139
	75	50	7.89	880482
	80	25	8.36	880142
	90	25	9.23	880145
	100	25	10.10	880148
	110	25	10.89	880150
	120	25	11.80	880151
	130	25	12.67	880485
	140	25	13.57	880488
	150	25	14.47	880491
M14 2.00mm Pitch	160	25	15.37	880494
	170	10	16.30	880692
	180	10	17.17	880497
	190	10	18.10	880695
	200	10	18.96	880500
	25	25	5.29	880503
	30	25	5.78	880506
	35	25	6.28	880509
	40	25	6.78	880512
	45	25	7.57	880515
	50	25	8.19	880518
	55	25	8.79	880521
	60	25	9.39	880524
	65	25	9.86	880527
	70	25	10.48	880530
	75	25	11.08	880533
	80	25	11.68	880536
	90	25	12.68	880539
	100	25	13.87	880542
	110	25	15.07	880545
	120	25	16.37	880548
	130	25	17.37	880551
	140	25	18.46	880554
	150	25	19.51	880557





CLASS 8.8 HEXAGON BOLTS

METRIC-PLAIN

AS/NZS 1110 - ISO 4014/4017



CLASS 8.8 HEXAGON BOLTS

METRIC-PLAIN

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M16 2.00mm Pitch	25	25	7.01	880560
	30	25	7.66	880154
	35	25	8.31	880155
	40	25	8.97	880157
	45	25	9.65	880158
	50	25	10.40	880160
	55	25	11.48	880563
	60	25	12.27	880163
	65	25	13.07	880566
	70	25	13.87	880166
	75	25	14.67	880169
	80	25	15.47	880172
	85	25	16.27	880569
	90	25	17.07	880175
	100	25	18.56	880178
	110	25	20.16	880181
	120	25	21.76	880184
	130	25	22.95	880187
	140	25	24.21	880190
	150	25	26.15	880193
	160	10	27.74	880196
	170	10	29.34	880198
	180	10	30.94	880202
	190	10	31.81	880205
	200	10	34.31	880208
	210	10	34.82	880211
	220	10	37.52	880214
	230	10	37.82	880217
	240	10	40.62	880220
	250	10	42.21	880223
	260	10	43.81	880572
	280	10	46.90	880575
	300	10	50.10	880578
M18 2.50mm Pitch	30	25	10.38	880581
	40	25	11.98	880584
	45	25	12.78	880587
	50	25	14.07	880590
	55	25	15.07	880593
	60	25	16.07	880596
	65	25	17.07	880599
	70	25	18.06	880602
	75	25	19.06	880605
	80	25	19.96	880608
	90	25	21.95	880611
	100	25	23.95	880614
M20 2.50mm Pitch	30	25	13.31	880224
	35	25	14.40	880225
	40	25	15.41	880226
	45	25	16.41	880227
	50	25	17.24	880229
	55	25	19.46	880620
	60	25	19.71	880232
	65	25	21.86	880623
	70	25	22.11	880235
	75	25	24.25	880626
	80	25	24.61	880238
	85	25	26.65	880629
	90	25	27.01	880241

Diameter	Length	Box	Weight KG/100	Code
M20 2.50mm Pitch ... Continues				
	100	25	29.41	880244
	110	25	31.81	880247
	120	25	34.21	880250
	130	10	36.42	880253
	140	10	38.91	880256
	150	10	41.31	880259
	160	10	43.71	880262
	170	10	46.11	880265
	180	10	48.51	880268
	190	10	50.71	880271
	200	10	52.91	880274
	210	10	55.31	880277
	220	10	57.71	880280
	240	10	62.51	880286
	250	10	64.91	880289
	260	10	69.26	880632
	280	10	74.25	880635
	300	10	79.24	880638
M24 3.00mm Pitch	40	10	24.21	880292
	45	10	25.85	880641
	50	10	27.11	880295
	55	10	28.84	880644
	60	10	30.11	880298
	65	10	33.73	880647
	70	10	35.53	880301
	75	10	37.32	880650
	80	10	39.12	880304
	85	10	40.92	880653
	90	10	42.71	880307
	100	10	46.30	880310
	110	10	49.90	880313
	120	10	53.39	880316
	130	10	55.89	880319
	140	10	59.38	880322
	150	10	61.10	880325
	160	10	64.60	880328
	170	10	68.13	880331
	180	10	72.58	880334
	190	5	75.30	880337
	200	5	78.02	880340
	210	5	81.65	880343
	220	5	86.19	880346
	240	5	90.72	880352
	250	5	95.26	880355
	260	5	99.80	880656
	280	5	106.78	880659
	300	5	109.77	880662
M30 3.50mm Pitch	70	1	58.88	867500/880707
	75	1	61.27	867505/880709
	80	1	63.57	867510/880711
	90	1	71.05	867515/880713
	100	1	76.54	867520/880715
	110	1	82.13	867525/880717
	120	1	87.82	867530/880719
	130	1	91.81	867535/880721
	140	1	97.30	867540/880723
	150	1	102.97	867545/880725
	160	1	108.28	867550/880727



CLASS 8.8 HEXAGON BOLTS

METRIC-PLAIN

AS/NZS 1110 - ISO 4014/4017



CLASS 8.8 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M30 3.50mm Pitch ... Continues				
	170	1	113.77	867555/880729
	180	1	119.75	867560/880731
	190	1	124.74	867565/880733
	200	1	130.73	867570/880735
	210	1	135.72	867575/880737
	220	1	141.71	867580/880739
	230	1	146.70	867585/880741
	240	1	152.68	867590/880743
	250	1	158.67	867595/880745
	260	1	163.66	867600/880747
	270	1	168.65	867605/880749
	280	1	174.64	867610/880751
	290	1	179.63	867615/880753
	300	1	185.62	867620/880755
	320	1	196.59	867625/880757
	350	1	213.16	867630/880759
	380	1	230.52	867635/880761
	450	1	269.14	867640/880763
M36	90	1	105.78	867645/880851
4.00mm Pitch	100	1	113.77	867650/880854
	110	1	123.74	867655/880857
	120	1	131.73	867660/880860
	130	1	138.71	867665/880863
	140	1	146.69	867670/880866
	150	1	154.68	867675/880869
	160	1	162.66	867680/880872
	170	1	170.65	867685/880875
	180	1	178.63	867690/880878
	190	1	186.61	867695/880881
	200	1	194.59	867700/880884
	210	1	202.58	867705/880887
	220	1	210.56	867710/880890
	230	1	218.55	867715/880893
	240	1	226.53	867720/880896
	250	1	234.51	867725/880899
	260	1	242.50	867730/880902
	270	1	250.48	867735/880905
	280	1	258.46	867740/880908
	290	1	266.45	867745/880911
	300	1	274.43	867750/880914



CLASS 8.8 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M5	12	100	0.29	815001/470001
0.80mm Pitch	16	100	0.33	815002/470002
	20	100	0.39	815003/470003
	25	100	0.55	815004/470004
	30	100	0.54	815005/470005
	35	100	0.61	815006/470006
	40	100	0.59	815007/470007

Diameter	Length	Box	Weight KG/100	Code
M6	12	100	0.44	815549/470559
1.00mm Pitch	16	100	0.59	815008/470008
	20	100	0.59	815009/470009
	25	100	0.70	815010/470010
	30	100	0.81	815013/470013
	35	100	0.92	815016/470016
	40	100	1.02	815019/470019
	45	100	1.13	815022/470022
	50	100	1.24	815025/470025
	55	100	1.24	815027/470027
	60	100	1.45	815028/470028
	65	100	1.54	815551/470587
	70	100	1.64	815553/470589
	75	100	1.74	815555/470591
	80	100	1.84	815557/470593
M8	12	100	1.06	815030/470030
1.25mm Pitch	16	100	1.06	815031/470031
	20	100	1.19	815034/470034
	25	100	1.34	815037/470037
	30	100	1.53	815040/470040
	35	100	1.72	815043/470043
	40	100	1.91	815046/470046
	45	100	2.10	815049/470049
	50	100	2.29	815052/470052
	55	100	2.29	815054/470054
	60	100	2.68	815055/470055
	65	100	2.68	815057/470057
	70	100	3.06	815058/470058
	75	100	3.06	815059/470059
	80	100	3.56	815501/470630
	85	100	3.75	815503/470632
	90	100	3.95	815505/470634
	95	100	4.14	815507/470636
	100	100	4.34	815509/470638
	110	100	4.73	815511/470640
	120	100	5.12	815513/470641
	130	50	5.51	815515/470642
	140	50	5.90	815517/470643
	150	50	6.29	815519/470644
	160	50	6.66	815521/470645
	180	50	7.43	815523/470646
	200	50	8.21	815525/470647
M10	16	100	1.84	815061/470061
1.50mm Pitch	20	100	2.03	815064/470064
	25	100	2.28	815067/470067
	30	100	2.52	815070/470070
	35	100	2.82	815073/470073
	40	100	3.12	815076/470076
	45	100	3.42	815079/470079
	50	100	3.72	815082/470082
	55	100	3.89	815085/470085
	60	100	4.32	815088/470088
	65	100	4.63	815091/470091
	70	100	4.93	815094/470094
	75	100	5.23	815097/470097
	80	100	5.53	815100/470100
	90	50	6.35	815103/470103
	100	50	6.73	815106/470106
	110	50	7.33	815107/470107

METRIC CLASS
8.8 HEX BOLTS | BOLTS & NUTS





CLASS 8.8 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017



CLASS 8.8 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M10 1.50mm Pitch ... Continues				
	120	50	7.93	815099/470099
	130	50	8.53	815080/470080
	140	50	9.13	815084/470084
	150	50	9.73	815120/470120
	160	25	10.69	815541/470686
	170	25	11.23	815543/470687
	180	25	11.76	815542/470688
	190	25	12.32	815544/470689
	200	25	12.84	815547/470690
	220	25	13.92	815545/470692
M12	20	50	2.99	815109/470109
1.75mm Pitch	25	50	3.35	815112/470112
	30	50	3.70	815115/470115
	35	50	4.06	815118/470118
	40	50	4.90	815121/470121
	45	50	5.17	815124/470124
	50	50	5.77	815127/470127
	55	50	6.17	815130/470130
	60	50	6.62	815133/470133
	65	50	7.08	815136/470136
	70	50	7.53	815139/470139
	75	50	7.53	815141/470141
	80	25	8.36	815142/470142
	90	25	9.23	815145/470145
	100	25	10.10	815148/470148
	110	25	10.89	815150/470150
	120	25	11.79	815151/470151
	130	25	12.98	815351/470719
	140	25	13.86	815355/470720
	150	25	14.75	815359/470721
	160	10	15.63	815361/470722
	170	10	16.52	815363/470724
	180	10	17.41	815365/470726
	190	10	18.30	815367/470728
	200	10	19.20	815369/470730
	220	10	20.96	815373/470732
M14	25	25	4.94	815401/470401
2.00mm Pitch	30	25	5.44	815405/470405
	35	25	5.92	815409/470409
	40	25	6.41	815413/470413
	50	25	7.59	815417/470417
	55	25	8.16	815421/470421
	60	25	8.78	815425/470425
	65	25	9.50	815429/470429
	70	25	9.96	815431/470431
	75	25	10.32	815435/470435
	80	25	11.10	815439/470439
	90	25	12.30	815443/470443
	100	25	13.50	815447/470447
M16	25	25	7.01	815559/470152
2.00mm Pitch	30	25	7.66	815154/470154
	35	25	7.66	815156/470156
	40	25	8.96	815157/470157
	45	25	8.96	815159/470159
	50	25	10.40	815160/470160
	55	25	10.40	815162/470162
	60	25	12.00	815163/470163
	65	25	12.00	815165/470165

Diameter	Length	Box	Weight KG/100	Code
M16 2.00mm Pitch ... Continues				
	70	25	13.50	815166/470166
	75	25	14.31	815169/470169
	80	25	15.10	815172/470172
	85	25	16.27	815173/470173
	90	25	16.60	815175/470175
	100	25	18.20	815178/470178
	110	25	19.70	815181/470181
	120	25	21.31	815184/470184
	130	25	22.68	815187/470187
	140	25	24.20	815190/470190
	150	25	25.76	815193/470193
	160	10	27.31	815196/470196
	170	10	28.81	815198/470198
	180	10	30.31	815202/470202
	190	10	31.81	815205/470205
	200	10	33.31	815208/470208
	210	10	35.83	815561/470210
	220	10	37.32	815563/470211
	230	10	39.02	815565/470212
	240	10	40.52	815567/470213
	250	10	42.11	815569/470214
M20	30	25	13.30	815220/470220
2.50mm Pitch	35	25	14.40	815223/470223
	40	25	15.40	815226/470226
	45	25	16.40	815227/470227
	50	25	17.24	815229/470229
	55	25	17.24	815230/470230
	60	25	19.70	815232/470232
	65	25	19.70	815233/470233
	70	25	22.10	815235/470235
	75	25	22.10	815237/470237
	80	25	24.60	815238/470238
	85	25	26.64	815239/470239
	90	25	27.01	815241/470241
	100	25	29.41	815244/470244
	110	25	31.81	815247/470247
	120	25	34.21	815250/470250
	130	25	36.42	815253/470253
	140	25	38.91	815256/470256
	150	25	41.31	815259/470259
	160	10	43.71	815262/470262
	170	10	46.11	815265/470265
	180	10	48.51	815268/470268
	190	10	50.71	815271/470271
	200	10	52.91	815274/470274
	210	10	56.78	815571/470276
	220	10	59.28	815573/470278
	230	10	61.77	815575/470280
	240	10	64.27	815577/470282
	250	10	66.76	815579/470284
M24	40	10	24.20	815292/470292
3.00mm Pitch	50	10	27.11	815295/470295
	55	10	27.11	815297/470297
	60	10	30.11	815298/470298
	65	10	30.11	815300/470300
	70	10	33.41	815301/470301
	75	10	30.11	815303/470303
	80	10	36.90	815304/470304
	90	10	40.37	815307/470307



CLASS 8.8 HEXAGON BOLTS METRIC - Z/P CLEAR (TRIVALENT) AS/NZS 1110 - ISO 4014/4017



CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - PLAIN AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 403

Diameter	Length	Box	Weight KG/100	Code
M24 3.00mm Pitch ... Continues				
	100	10	43.91	815310/470310
	110	10	47.40	815313/470313
	120	10	50.89	815316/470316
	130	10	54.11	815319/470319
	140	10	57.61	815322/470322
	150	10	61.10	815325/470325
	160	10	64.59	815328/470328
	170	10	68.13	815331/470331
	180	10	73.35	815333/470333
	190	5	76.84	815581/470335
	200	5	80.33	815583/470337
	210	5	83.63	815585/470339
	220	5	86.82	815587/470341
	230	5	90.11	815589/470343
	240	5	93.31	815591/470345
	250	5	96.60	815593/470347



CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - PLAIN AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 403

Diameter	Length	Box	Weight KG/100	Code
M6				
1.00mm Pitch	12	100	0.68	481030
	16	100	0.75	481033
	20	100	0.82	481036
	25	100	0.94	481039
	30	100	1.04	481042
	35	100	1.15	481045
	40	100	1.26	481048
	45	100	1.37	481051
	50	100	1.47	481054
	55	100	1.58	481057
	60	100	1.68	481060
	65	100	1.78	481063
	70	100	1.89	481066
	75	100	2.00	481069
	80	100	2.08	481072
M8				
1.25mm Pitch	12	100	1.47	481075
	16	100	1.60	481078
	20	100	1.72	481081
	25	100	1.88	481084
	30	100	2.04	481087
	35	100	2.20	481090
	40	100	2.52	481093
	45	100	2.71	481096
	50	100	2.91	481099
	55	100	3.07	481102
	60	100	3.27	481105
	65	100	3.46	481108
	70	100	3.66	481111
	75	100	3.85	481114
	80	100	4.05	481117
	90	50	4.44	481120
	100	50	4.83	481123
	110	50	5.25	481126

Diameter	Length	Box	Weight KG/100	Code
M8 1.25mm Pitch ... Continues				
	120	50	5.65	481129
	130	50	6.05	481132
M10				
1.50mm Pitch	16	100	2.82	481135
	20	100	3.02	481138
	25	100	3.27	481141
	30	100	3.52	481144
	35	100	4.10	481147
	40	100	4.40	481150
	45	100	4.70	481153
	50	100	5.01	481156
	55	100	5.28	481159
	60	100	5.59	481162
	65	100	5.90	481165
	70	100	6.21	481168
	75	100	6.52	481171
	80	50	6.83	481174
	90	50	7.44	481177
	100	50	8.06	481180
	110	50	8.67	481183
	120	50	9.34	481186
	130	50	9.85	481189
	140	50	10.50	481192
	150	50	11.11	481195
	160	25	11.78	481198
	170	25	12.39	481201
	180	25	13.01	481204
	190	25	13.63	481207
	200	25	14.25	481210
M12				
1.75mm Pitch	20	50	4.49	481213
	25	50	4.80	481216
	30	50	5.16	481219
	35	50	5.52	481222
	40	50	6.30	481225
	45	50	6.75	481228
	50	50	7.20	481231
	55	50	7.64	481234
	60	50	8.08	481237
	65	50	8.41	481240
	70	50	8.85	481243
	75	50	11.60	481246
	80	25	9.74	481249
	90	25	10.62	481252
	100	25	11.48	481255
	110	25	12.27	481258
	120	25	13.17	481261
	130	25	14.38	481264
	140	25	15.26	481267
	150	25	16.15	481270
	160	25	17.03	481273
	170	10	17.66	481276
	180	10	18.81	481279
	190	10	19.46	481282
	200	10	20.60	481285
M14				
2.00mm Pitch	25	25	7.59	481288
	30	25	8.08	481291
	35	25	8.58	481294
	40	25	9.08	481297



CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - PLAIN

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 403



CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - PLAIN

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 403

METRIC CLASS
8.8 HEX BOLTS | BOLTS & NUTS

Diameter	Length	Box	Weight KG/100	Code
M14 2.00mm Pitch ... Continues				
	45	25	9.58	481300
	50	25	9.49	481303
	55	25	11.10	481306
	60	25	11.70	481309
	65	25	12.16	481312
	70	25	12.78	481315
	75	25	13.38	481318
	80	25	13.98	481321
	90	25	14.98	481324
	100	25	16.18	481327
	110	25	17.37	481330
	120	25	18.67	481333
	130	25	19.67	481336
	140	25	20.77	481339
	150	25	21.81	481342
M16 2.00mm Pitch				
	25	25	10.42	481345
	30	25	11.09	481348
	35	25	11.75	481351
	40	25	12.41	481354
	45	25	13.29	481357
	50	25	13.69	481360
	55	25	14.39	481363
	60	25	15.09	481366
	65	25	16.49	481369
	70	25	17.28	481372
	75	25	18.08	481375
	80	25	18.88	481378
	85	25	19.68	481381
	90	25	20.48	481384
	100	25	21.97	481387
	110	25	23.57	481390
	120	25	25.17	481393
	130	25	26.37	481396
	140	25	27.96	481399
	150	25	29.56	481402
	160	10	31.16	481405
	170	10	33.00	481408
	180	10	34.57	481411
	190	10	35.95	481414
	200	10	37.73	481417
	210	10	39.14	481420
	220	10	40.93	481423
	230	10	42.33	481426
	240	10	44.03	481429
	250	10	45.62	481432
	260	10	47.22	481435
	280	10	50.32	481438
	300	10	53.51	481441
M18 2.50mm Pitch				
	30	25	14.96	481444
	40	25	16.55	481447
	45	25	17.35	481450
	50	25	18.65	481453
	55	25	19.65	481456
	60	25	20.65	481459
	65	25	21.64	481462
	70	25	22.64	481465
	75	25	23.64	481468
	80	25	24.54	481471

Diameter	Length	Box	Weight KG/100	Code
M18 2.50mm Pitch ... Continues				
	90	25	26.53	481474
	100	25	28.53	481477
M20 2.50mm Pitch				
	30	25	19.97	481480
	35	25	21.07	481483
	40	25	22.06	481486
	45	25	23.06	481489
	50	25	24.16	481492
	55	25	25.16	481495
	60	25	26.16	481498
	65	25	27.25	481501
	70	25	28.25	481504
	75	25	30.85	481507
	80	25	32.04	481510
	85	25	33.24	481513
	90	25	34.44	481516
	100	25	36.83	481519
	110	10	39.23	481522
	120	10	41.62	481525
	130	10	43.92	481528
	140	10	46.31	481531
	150	10	48.71	481534
	160	10	51.10	481537
	170	10	53.50	481540
	180	10	55.99	481543
	190	10	58.39	481546
	200	10	60.98	481549
	210	10	63.38	481552
	220	10	65.87	481555
	240	10	70.86	481558
	250	10	73.36	481561
	260	10	75.85	481564
	280	10	80.84	481567
	300	10	85.83	481570
M24 3.00mm Pitch				
	40	10	35.61	481573
	45	10	37.10	481576
	50	10	38.60	481579
	55	10	40.10	481582
	60	10	41.59	481585
	65	10	44.99	481588
	70	10	44.59	481591
	75	10	45.98	481594
	80	10	50.38	481597
	85	10	52.17	481600
	90	10	53.97	481603
	100	10	57.56	481606
	110	10	61.15	481609
	120	10	64.65	481612
	130	10	67.14	481615
	140	10	70.63	481618
	150	10	74.13	481621
	160	10	77.62	481624
	170	10	81.11	481627
	180	5	84.60	481630
	190	5	88.10	481633
	200	5	91.59	481636
	210	5	94.88	481639
	220	5	98.08	481642
	240	5	104.56	481645





CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - PLAIN

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 403



CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 4032

Diameter	Length	Box	Weight KG/100	Code
M24 3.00mm Pitch ... Continues				
	250	5	108.55	481648
	260	5	111.05	481651
	280	5	118.73	481654
	300	5	126.02	481657

Diameter	Length	Box	Weight KG/100	Code
M10 1.50mm Pitch ... Continues				
	25	100	3.27	482162
	30	100	3.52	482165
	35	100	3.77	482168
	40	100	3.96	482171
	45	100	4.70	482174
	50	100	5.01	482177
	55	100	5.28	482180
	60	100	5.59	482183
	65	100	5.90	482186
	70	100	6.21	482189
	75	100	6.07	482192
	80	50	6.83	482195
	90	50	7.44	482198
	100	50	8.06	482201
	110	50	8.67	482204
	120	50	9.34	482207
	130	50	9.92	482210
	140	50	10.50	482213
	150	50	11.01	482216
	160	25	11.78	482219
	170	25	12.13	482222
	180	25	13.01	482225
	190	25	13.23	482228
	200	25	13.73	482231
	220	25	14.83	482234

CLASS 8.8 HEXAGON BOLTS & NUTS METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 4032

Diameter	Length	Box	Weight KG/100	Code
M6 1.00mm Pitch				
	12	100	0.68	482030
	16	100	0.75	482033
	20	100	0.82	482036
	25	100	0.90	482039
	30	100	1.04	482042
	35	100	1.15	482045
	40	100	1.26	482048
	45	100	1.37	482051
	50	100	1.47	482054
	55	100	1.58	482057
	60	100	1.68	482060
	65	100	1.78	482063
	70	100	1.88	482066
	75	100	1.98	482069
	80	100	2.08	482072
M8 1.25mm Pitch				
	12	100	1.47	482075
	16	100	1.60	482078
	20	100	1.72	482081
	25	100	1.88	482084
	30	100	2.04	482087
	35	100	2.31	482090
	40	100	2.36	482093
	45	100	2.71	482096
	50	100	2.91	482099
	55	100	3.07	482102
	60	100	3.27	482105
	65	100	3.66	482108
	70	100	3.66	482111
	75	100	3.46	482114
	80	100	4.05	482117
	85	100	4.25	482120
	90	50	4.45	482123
	95	50	4.63	482126
	100	50	4.85	482129
	110	50	5.22	482132
	120	50	5.65	482135
	130	50	6.05	482138
	140	50	6.39	482141
	150	50	6.78	482144
	160	25	7.15	482147
	180	25	7.93	482150
	200	25	8.70	482153
M10 1.50mm Pitch				
	16	100	2.82	482156
	20	100	3.02	482159

M12 1.75mm Pitch				
	20	50	4.50	482237
	25	50	4.80	482240
	30	50	5.16	482243
	35	50	5.52	482246
	40	50	5.88	482249
	45	50	6.24	482252
	50	50	7.20	482255
	55	50	7.64	482258
	60	50	8.08	482261
	65	50	8.41	482264
	70	50	8.85	482267
	75	50	9.29	482270
	80	25	9.74	482273
	90	25	10.62	482276
	100	25	11.48	482279
	110	25	12.27	482282
	120	25	13.17	482285
	130	25	14.07	482288
	140	25	14.97	482291
	150	25	15.87	482294
	160	25	16.77	482297
	170	10	17.66	482300
	180	10	18.81	482303
	190	10	19.70	482306
	200	10	20.60	482309
	220	10	19.35	482312

M14 2.00mm Pitch				
	25	25	7.59	482315
	30	25	7.89	482318
	35	25	8.58	482321
	40	25	9.08	482324
	50	25	10.08	482327
	55	25	11.10	482330
	60	25	11.70	482333



CLASS 8.8 HEXAGON BOLTS & NUTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 4032



CLASS 8.8 HEXAGON BOLTS & NUTS

METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1110 - ISO 4014/4017 & AS/NZS 1112 - ISO 4032

METRIC CLASS
8.8 HEX BOLTS | BOLTS & NUTS

Diameter	Length	Box	Weight KG/100	Code
M14 2.00mm Pitch ... Continues				
	65	25	12.16	482336
	70	25	12.78	482339
	75	25	13.38	482342
	80	25	13.98	482345
	90	25	14.98	482348
	100	25	16.18	482351
M16	25	25	10.42	482354
2.00mm Pitch				
	30	25	11.09	482357
	35	25	12.41	482360
	40	25	12.41	482363
	45	25	13.10	482366
	50	25	13.69	482369
	55	25	14.39	482372
	60	25	15.09	482375
	65	25	16.49	482378
	70	25	17.28	482381
	75	25	18.08	482384
	80	25	18.88	482387
	85	25	19.68	482390
	90	25	20.48	482393
	100	25	21.97	482396
	110	25	23.57	482399
	120	25	25.17	482402
	130	25	26.37	482405
	140	25	27.96	482408
	150	25	29.56	482411
	160	10	31.16	482414
	170	10	32.75	482417
	180	10	34.35	482420
	190	10	35.95	482423
	200	10	37.54	482426
	210	10	39.24	482429
	220	10	40.74	482432
	230	10	42.43	482435
	240	10	43.93	482438
	250	10	45.53	482441
M20	30	25	19.97	482444
2.50mm Pitch				
	35	25	21.07	482447
	40	25	22.06	482450
	45	25	23.06	482453
	50	25	24.16	482456
	55	25	25.16	482459
	60	25	26.16	482462
	65	25	28.45	482465
	70	25	28.25	482468
	75	25	29.25	482471
	80	25	32.04	482474
	85	25	33.24	482477
	90	25	34.44	482480
	100	25	36.83	482483
	110	10	39.23	482486
	120	10	41.62	482489
	130	10	43.92	482492
	140	10	46.31	482495
	150	10	48.71	482498
	160	10	51.10	482501
	170	10	53.50	482504
	180	10	55.99	482507

Diameter	Length	Box	Weight KG/100	Code
M20 2.50mm Pitch ... Continues				
	190	10	58.39	482510
	200	10	60.88	482513
	210	10	63.38	482516
	220	10	65.87	482519
	230	10	68.37	482522
	240	10	70.86	482525
	250	10	73.36	482528
M24	40	10	35.61	482531
3.00mm Pitch				
	50	10	38.60	482534
	55	10	40.10	482537
	60	10	41.59	482540
	65	10	43.09	482543
	70	10	44.59	482546
	75	10	45.98	482549
	80	10	47.48	482552
	90	10	53.97	482555
	100	10	57.56	482558
	110	10	61.15	482561
	120	10	64.65	482564
	130	10	67.14	482567
	140	10	70.63	482570
	150	10	74.13	482573
	160	10	77.62	482576
	170	10	81.11	482579
	180	5	84.60	482582
	190	5	88.10	482585
	200	5	91.59	482588
	210	5	94.88	482591
	220	5	98.08	482594
	230	5	101.37	482597
	240	5	104.56	482600
	250	5	107.86	482603





ALLOY CLASS 10.9 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)
AS/NZS 1110 - ISO 4014/4017



ALLOY CLASS 10.9 HEXAGON BOLTS

METRIC - Z/P CLEAR (TRIVALENT)
AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M6 1.00mm Pitch	16	100	0.53	466001
	18	100	0.55	466004
	20	100	0.59	466007
	25	100	0.70	466010
	30	100	0.81	466013
	35	100	0.92	466016
	40	100	1.02	466019
	45	100	1.13	466022
	50	100	1.24	466025
	60	100	1.45	466028
	65	100	1.56	466027
	70	100	1.67	466029
	80	50	1.89	466030
	90	50	2.10	466023
	100	50	2.32	466465
M8 1.25mm Pitch	16	100	1.06	466031
	20	100	1.19	466034
	25	100	1.34	466037
	30	100	1.53	466040
	35	100	1.72	466043
	40	100	1.91	466046
	45	100	2.10	466049
	50	100	2.29	466052
	55	100	2.49	466053
	60	100	2.68	466055
	65	100	2.87	466056
	70	100	3.06	466058
	75	100	3.25	466059
	80	100	3.44	466060
	90	100	3.82	466471
M10 1.50mm Pitch	100	100	4.20	466475
	110	100	4.59	466479
	120	100	4.97	466481
	140	100	5.73	466489
	16	100	1.84	466061
	20	100	2.03	466064
	25	100	2.28	466067
	30	100	2.52	466070
	35	100	2.82	466073
	40	100	3.12	466076
	45	100	3.42	466079
	50	100	3.72	466082
	55	100	3.89	466085
	60	100	4.32	466088
	65	100	4.63	466091
M12 1.75mm Pitch	70	100	4.93	466094
	75	100	5.23	466097
	80	100	5.53	466100
	90	50	6.35	466103
	100	50	6.73	466106
	120	50	7.93	466375
	20	50	2.99	466109
	25	50	3.35	466112
	30	50	3.70	466115
	35	50	4.06	466118
	40	50	4.90	466121
	45	50	5.17	466124
	50	50	5.77	466127

Diameter	Length	Box	Weight KG/100	Code
M12 1.75mm Pitch ... Continues				
	55	50	6.17	466130
	60	50	6.62	466133
	65	50	7.08	466136
	70	50	7.53	466139
	75	50	7.93	466140
	80	25	8.36	466142
	90	25	9.23	466145
	100	25	10.10	466148
	110	25	10.89	466150
	120	25	11.79	466151
M14 2.00mm Pitch	30	25	5.44	466405
	35	25	5.92	466409
	40	25	6.41	466413
	45	25	7.00	466152
	50	25	7.59	466417
	55	25	8.18	466421
	60	25	8.78	466425
	65	25	9.37	466429
	70	25	9.96	466433
	75	25	10.50	466437
M16 2.00mm Pitch	80	25	11.10	466441
	90	25	12.30	466445
	100	25	13.50	466449
	120	25	15.90	466153
	30	25	7.66	466154
	35	25	8.31	466155
	40	25	8.96	466157
	45	25	9.64	466158
	50	25	10.40	466160
	55	25	11.20	466161
M18 2.50mm pitch	60	25	12.00	466163
	65	25	12.70	466164
	70	25	13.50	466166
	75	25	14.31	466169
	80	25	15.10	466172
	90	25	16.60	466175
	100	25	18.20	466178
	110	25	19.70	466181
	120	25	21.31	466184
	130	25	22.68	466187
	140	25	24.20	466190
	150	25	25.76	466193
	160	10	27.31	466196
	170	10	28.81	466198
	180	10	30.31	466202
	190	10	31.81	466205
	200	10	33.31	466208
	210	10	34.81	466211
	220	1	36.32	466214
	230	1	37.82	466217
	240	1	39.32	466220
	250	1	40.82	466223
	40	25	11.98	466515
	50	25	13.57	466519
	60	25	16.07	466523
	70	25	18.06	466527
	80	25	20.06	466531

METRIC ALLOY CLASS
10.9 HEX BOLTS





ALLOY CLASS 10.9 HEXAGON BOLTS METRIC - Z/P CLEAR (TRIVALENT) AS/NZS 1110 - ISO 4014/4017



ALLOY CLASS 10.9 HEXAGON BOLTS METRIC - PLAIN AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M18 2.50mm Pitch ... Continues				
	90	25	21.95	466535
	100	25	23.95	466539
	120	25	27.94	466543
	140	25	31.43	466547
	160	25	35.43	466551
M20 2.50mm Pitch				
	30	25	13.30	466224
	35	25	14.40	466225
	40	25	15.40	466226
	45	25	16.40	466227
	50	25	17.24	466229
	60	25	19.70	466232
	70	25	22.10	466235
	80	25	24.60	466238
	90	25	27.01	466241
	100	25	29.41	466244
	110	25	31.81	466247
	120	25	34.21	466250
	130	25	36.42	466253
	140	25	38.91	466256
	150	10	41.31	466259
	160	10	43.71	466262
	170	10	46.11	466265
	180	10	48.51	466268
	190	10	50.71	466271
	200	10	52.91	466274
	210	10	55.31	466277
	220	1	57.71	466280
	240	1	62.51	466286
	250	1	64.91	466289
M24 3.00mm Pitch				
	40	10	24.20	466292
	50	10	27.11	466295
	60	10	30.11	466298
	70	10	33.41	466301
	80	10	36.90	466304
	90	10	40.37	466307
	100	10	43.91	466310
	110	10	47.40	466313
	120	10	50.89	466316
	130	10	54.11	466319
	140	10	57.61	466322
	150	10	61.10	466325
	160	10	64.59	466328
	170	10	68.13	466331
	180	10	72.58	466334
	190	10	75.30	466337
	200	10	78.02	466340
	210	1	81.65	466343
	220	1	86.18	466346
	240	1	90.72	466352
	250	1	95.26	466355

Diameter	Length	Box	Weight KG/100	Code
M30 3.50mm Pitch				
	70	1	58.88	882400
	75	1	61.28	882405
	80	1	63.57	882410
	90	1	71.06	882415
	100	1	76.54	882420
	110	1	82.13	882425
	120	1	87.82	882430
	130	1	91.81	882435
	140	1	97.30	882440
	150	1	102.79	882445
	160	1	108.77	882450
	170	1	113.77	882455
	180	1	119.75	882460
	190	1	124.74	882465
	200	1	130.73	882470
	210	1	136.22	882475
	220	1	141.71	882480
	230	1	147.10	882485
	240	1	152.68	882490
	250	1	158.17	882495
	260	1	163.66	882500
	270	1	168.65	882505
	280	1	174.64	882510
	290	1	179.63	882515
	300	1	185.61	882520
	320	1	196.69	882525
	350	1	213.36	882530
	380	1	230.02	882535
	450	1	268.94	882540
M36 4.00mm Pitch				
	90	1	105.78	882545
	100	1	113.76	882550
	110	1	123.75	882555
	120	1	131.73	882560
	130	1	138.71	882565
	140	1	146.70	882570
	150	1	154.68	882575
	160	1	162.66	882580
	170	1	170.65	882585
	180	1	178.63	882590
	190	1	186.61	882595
	200	1	194.60	882600
	210	1	202.58	882605
	220	1	210.56	882610
	230	1	218.55	882615
	240	1	226.53	882620
	250	1	234.51	882625
	260	1	242.50	882630
	270	1	240.50	882635
	280	1	258.46	882640
	290	1	266.45	882645
	300	1	274.43	882650



ALLOY CLASS 10.9 HEXAGON BOLTS

METRIC - PLAIN (FINE PITCH)

AS/NZS 1110 - ISO 4014/4017



ALLOY CLASS 10.9 HEXAGON BOLTS

METRIC - PLAIN (FINE PITCH)

AS/NZS 1110 - ISO 4014/4017

Diameter	Length	Box	Weight KG/100	Code
M8 1.00mm Pitch	20	100	1.19	882034
	25	100	1.34	882037
	30	100	1.53	882040
	35	100	1.72	882043
	40	100	1.91	882046
	45	100	2.10	882049
M10 1.25mm Pitch	50	100	2.29	882052
	20	100	2.04	882064
	25	100	2.28	882067
	30	100	2.52	882070
	35	100	2.82	882073
	40	100	3.12	882076
	45	100	3.42	882079
	50	100	3.72	882082
	55	100	3.90	882085
	60	100	4.32	882088
	65	100	4.63	882091
	70	100	4.93	882094
M12 1.25mm Pitch	75	100	5.23	882097
	80	100	5.53	882100
	90	50	6.35	882103
	100	50	6.74	882106
	20	50	2.99	882109
	25	50	3.35	882112
	30	50	3.71	882115
	35	50	4.06	882118
	40	50	4.90	882121
	45	50	5.17	882124
	50	50	5.77	882127
	55	50	6.17	882130
M12 1.50mm Pitch	60	50	8.54	882133
	70	50	7.53	882139
	80	25	8.36	882142
	90	25	9.23	882145
	100	25	10.10	882148
	25	50	3.35	882312
	30	50	3.71	882315
	35	50	4.06	882318
	40	50	4.90	882321
	45	50	5.17	882324
	50	50	5.77	882327
	55	50	6.17	882330
M14 1.50mm Pitch	60	50	8.54	882333
	65	50	8.54	882335
	70	25	7.53	882339
	75	25	8.36	882344
	25	25	4.94	882401
	30	25	5.45	882366
	35	25	5.92	882409
	40	25	6.41	882413
	45	25	6.41	882368
	50	25	7.59	882417
	55	25	8.18	882421
	60	25	8.79	882372
M16 1.50mm Pitch	65	25	9.37	882429
	70	25	9.96	882433
	75	25	10.50	882437
	80	25	11.11	882441

Diameter	Length	Box	Weight KG/100	Code
M14 1.50mm Pitch ... Continues				
	90	25	12.31	882376
	100	25	13.51	882449
M16 1.50mm Pitch	25	25	7.66	882153
	30	25	7.66	882154
	35	25	8.31	882155
	40	25	8.96	882157
	45	25	9.64	882158
	50	25	10.40	882160
	55	25	10.40	882161
	60	25	12.01	882163
	65	25	12.01	882164
	70	25	13.51	882166
	75	25	14.31	882169
	80	25	15.11	882172
M20 1.50mm Pitch	90	25	16.61	882175
	100	25	18.20	882178
	110	25	19.71	882181
	40	25	15.40	882226
	50	25	17.24	882229
	60	25	19.71	882232
	70	25	22.11	882235
	80	25	24.60	882238
	100	25	24.60	882248
M24 2.00mm Pitch	40	10	24.21	882260
	50	10	27.10	882266
	60	10	30.11	882272
	70	10	33.42	882278
	80	10	36.91	882284

METRIC ALLOY CLASS
10.9 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
1/4" UNC 20 TPI	1/2	100	0.54	452002/451311
	5/8	100	0.60	452004/451312
	3/4	100	0.66	452006/451313
	7/8	100	0.72	452008/451314
	1	100	0.80	452010/451315
	1 1/4	100	0.95	452012/451317
	1 1/2	100	1.11	452014/451319
	1 3/4	100	1.27	452016/451321
	2	100	1.42	452018/451322
	2 1/4	100	1.58	452020/451323
	2 1/2	100	1.74	452022/451324
	2 3/4	100	1.90	452024/451325
	3	100	2.05	452026/451326
	3 1/4	50	2.18	452027/451327
	3 1/2	50	2.31	452028/451328
	3 3/4	50	2.49	452029/451329
	4	50	2.63	452030/451331
	4 1/2	50	2.95	452031/451332
	5	50	3.27	452032/451333
	5 1/2	50	3.58	452033/451334
	6	50	3.90	452034/451335
	7	1	4.49	451050
	8	1	5.08	451053
1/4" UNF 28 TPI	1/2	100	0.54	452036/451336
	5/8	100	0.60	452038/451337
	3/4	100	0.66	452040/451338
	7/8	100	0.72	452042/451339
	1	100	0.80	452044/451341
	1 1/4	100	0.95	452046/451342
	1 1/2	100	1.11	452048/451343
	1 3/4	100	1.27	452050/451344
	2	100	1.42	452052/451345
	2 1/4	100	1.58	452054/451346
	2 1/2	100	1.74	452056/451347
	2 3/4	100	1.90	452058/451348
	3	100	2.05	452060/451349
	3 1/4	50	2.18	452061/451351
	3 1/2	50	2.31	452062/451352
	3 3/4	50	2.49	452063/451353
	4	50	2.63	452064/451354
	4 1/2	50	2.95	452065/451355
	5	50	3.27	452066/451356
	5 1/2	50	3.58	452067/451357
	6	50	3.90	452068/451358
	7	1	4.49	451056
	8	1	5.08	451059
5/16" UNC 18 TPI	1/2	100	0.93	452070/451359
	5/8	100	1.02	452072/451361
	3/4	100	1.12	452074/451362
	1	100	1.31	452078/451364
	1 1/4	100	1.55	452080/451366
	1 1/2	100	1.80	452082/451368
	1 3/4	100	2.04	452084/451369
	2	100	2.28	452086/451371
	2 1/4	100	2.53	452088/451372
	2 1/2	100	2.77	452090/451373
	2 3/4	100	3.01	452092/451374
	3	100	3.26	452094/451375
	3 1/4	50	3.45	452095/451376

Diameter	Length	Box	Weight KG/100	Code
5/16" UNC 18TPI... Continues				
	3 1/2	50	3.72	452096/451377
	3 3/4	50	3.95	452097/451378
	4	50	4.17	452098/451379
	4 1/2	50	4.71	452099/451381
	5	50	5.19	452101/451383
	5 1/2	50	5.68	452103/451385
	6	50	6.17	452105/451387
	7	1	7.08	451062
	8	1	8.03	451065
5/16" UNF 24 TPI	1/2	100	0.93	452100/451382
	3/4	100	1.12	452104/451386
	1	100	1.31	452108/451389
	1 1/4	100	1.55	452110/451391
	1 1/2	100	1.80	452112/451392
	1 3/4	100	2.04	452114/451393
	2	100	2.28	452116/451394
	2 1/4	100	2.53	452118/451395
	2 1/2	100	2.77	452120/451396
	2 3/4	100	3.01	452122/451397
	3	100	3.26	452124/451398
	3 1/4	50	3.45	452125/451399
	3 1/2	50	3.72	452126/451401
	3 3/4	50	3.95	452127/451402
	4	50	4.17	452128/451403
	4 1/2	50	4.71	452129/451404
	5	50	5.19	452131/451406
	5 1/2	50	5.68	452133/451408
	6	50	6.17	452135/451411
	7	1	7.08	451068
	8	1	8.03	451071
3/8" UNC 16 TPI	1/2	100	1.36	452130/451405
	3/4	100	1.63	452134/451409
	7/8	100	1.77	452136/451412
	1	100	1.91	452138/451413
	1 1/4	100	2.23	452140/451415
	1 1/2	100	2.58	452142/451417
	1 3/4	100	2.93	452144/451419
	2	100	3.28	452146/451421
	2 1/4	100	3.63	452148/451422
	2 1/2	100	3.99	452150/451424
	2 3/4	100	4.34	452152/451425
	3	100	4.69	452154/451426
	3 1/4	50	5.03	452156/451427
	3 1/2	50	5.40	452158/451428
	3 3/4	50	5.75	452160/451429
	4	50	6.10	452162/451431
	4 1/4	50	6.43	452163/451432
	4 1/2	50	6.80	452164/451433
	4 3/4	50	7.14	452165/451434
	5	50	7.50	452166/451435
	5 1/2	50	8.19	452168/451437
	6	50	8.90	452169/451438
	6 1/2	1	9.48	451072
	7	1	10.21	451074
	7 1/2	1	10.89	451075
	8	1	11.57	451077
	9	1	12.93	451078
	10	1	14.33	451079



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
3/8" UNF 24 TPI	3/4	100	1.63	452176/451443
	1	100	1.91	452180/451445
	1 1/4	100	2.23	452182/451447
	1 1/2	100	2.58	452184/451449
	1 3/4	100	2.93	452186/451451
	2	100	3.28	452190/451452
	2 1/4	100	3.63	452192/451453
	2 1/2	100	3.99	452194/451455
	2 3/4	100	4.34	452196/451456
	3	100	4.69	452198/451457
	3 1/4	50	5.03	452200/451458
	3 1/2	50	5.40	452202/451459
	3 3/4	50	5.75	452204/451461
	4	50	6.10	452206/451462
	4 1/2	50	6.80	452208/451463
	5	50	7.50	452210/451464
	5 1/2	50	8.19	452211/451465
	6	50	8.90	452212/451466
	6 1/2	1	9.48	451901
	7	1	10.21	451080
	7 1/2	1	10.89	451081
	8	1	11.57	451083
	9	1	12.93	451084
	10	1	14.33	451085
7/16" UNC 14 TPI	3/4	100	2.34	452214/451467
	1	100	2.72	452218/451469
	1 1/4	50	3.10	452220/451472
	1 1/2	50	3.58	452222/451474
	1 3/4	50	4.06	452224/451475
	2	50	4.54	452226/451476
	2 1/4	50	5.02	452228/451477
	2 1/2	50	5.50	452230/451478
	2 3/4	50	5.97	452232/451479
	3	50	6.45	452234/451481
	3 1/2	25	7.40	452238/451483
	4	25	8.36	452242/451485
	4 1/2	25	9.33	452244/451486
	5	25	10.29	452246/451487
	5 1/2	25	11.23	452247/451488
	6	25	12.19	452248/451489
	7	1	13.79	451086
	8	1	15.65	451089
7/16" UNF 20 TPI	3/4	100	2.34	452250/451491
	1	100	2.72	452254/451493
	1 1/4	50	3.10	452256/451495
	1 1/2	50	3.58	452258/451496
	1 3/4	50	4.06	452260/451497
	2	50	4.54	452262/451498
	2 1/4	50	5.02	452264/451499
	2 1/2	50	5.50	452266/451501
	2 3/4	50	5.97	452268/451502
	3	50	6.45	452270/451503
	3 1/2	25	7.40	452274/451505
	4	25	8.36	452278/451507
	4 1/2	25	9.33	452280/451508
	5	25	10.29	452282/451509
	5 1/2	25	11.23	452283/451511
	6	25	12.19	452284/451512
	7	1	13.79	451092
	8	1	15.65	451095

Diameter	Length	Box	Weight KG/100	Code
1/2" UNC 13 TPI	3/4	50	3.43	450290/451513
	1	50	3.94	452294/451515
	1 1/4	50	4.44	452296/451517
	1 1/2	50	5.01	452298/451519
	1 3/4	50	5.63	452300/451522
	2	50	6.26	452302/451524
	2 1/4	50	6.89	452304/451525
	2 1/2	50	7.50	452306/451526
	2 3/4	50	8.13	452308/451527
	3	50	8.75	452310/451528
	3 1/4	25	9.38	452312/451529
	3 1/2	25	10.02	452314/451531
	3 3/4	25	10.63	452316/451532
	4	25	11.25	452318/451533
	4 1/2	25	12.50	452320/451535
	5	25	13.75	452322/451537
	5 1/2	25	15.01	452324/451539
	6	25	16.26	452326/451542
	6 1/2	20	17.51	451101
	7	20	18.55	451102
	7 1/2	20	19.73	451103
	8	20	20.91	451104
	8 1/2	1	22.14	451105
	9	1	23.36	451107
	9 1/2	1	24.59	451108
	10	1	25.86	451110
	11	1	28.26	451098
	12	1	30.66	451106
	13	1	33.11	451109
	14	1	35.56	451116
	15	1	38.01	451122
1/2" UNF 20 TPI	3/4	50	3.43	452330/451544
	1	50	3.94	452334/451546
	1 1/4	50	4.44	452336/451547
	1 1/2	50	5.01	452338/451549
	1 3/4	50	5.63	452340/451551
	2	50	6.26	452342/451552
	2 1/4	50	6.89	452344/451553
	2 1/2	50	7.50	452346/451554
	2 3/4	50	8.13	452348/451555
	3	50	8.75	452350/451556
	3 1/4	25	9.38	452352/451557
	3 1/2	25	10.02	452354/451558
	3 3/4	25	10.63	452356/451559
	4	25	11.25	452358/451561
	4 1/2	25	12.50	452360/451562
	5	25	13.75	452362/451563
	5 1/2	25	15.01	452364/451564
	6	25	16.26	452366/451565
	6 1/2	20	17.51	451111
	7	20	18.55	451112
	7 1/2	20	19.73	451113
	8	20	20.91	451114
	8 1/2	1	22.14	451115
	9	1	23.36	451117
	9 1/2	1	24.59	451118
	10	1	25.86	451119
	11	1	28.26	451128
	12	1	30.66	451134
	13	1	33.11	451140
	14	1	35.56	451146

IMPERIAL ALLOY
GRADE 8 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
1/2" UNF 20TPI... Continues				
	15	1	38.01	451152
9/16" UNC				
12 TPI	1	25	5.17	452370/451567
	1 1/4	25	5.81	452372/451568
	1 1/2	25	6.46	452374/451571
	1 3/4	25	7.26	452376/451572
	2	25	8.04	452378/451573
	2 1/4	25	8.84	452380/451574
	2 1/2	25	9.62	452382/451575
	2 3/4	25	10.41	452384/451576
	3	25	11.21	452386/451577
	3 1/2	25	12.79	452388/451578
	4	25	14.37	452390/451579
	4 1/2	25	15.95	452391/451581
	5	25	17.53	452392/451582
	5 1/2	25	19.12	452393/451583
	6	25	20.72	452394/451584
9/16" UNF				
18 TPI	1	25	5.17	452396/451585
	1 1/4	25	5.81	452398/451586
	1 1/2	25	6.46	452400/451587
	1 3/4	25	7.26	452402/451588
	2	25	8.04	452404/451589
	2 1/4	25	8.84	452406/451591
	2 1/2	25	9.62	452408/451592
	2 3/4	25	10.41	452410/451593
	3	25	11.21	452412/451594
	3 1/2	25	12.79	452414/451595
	4	25	14.37	452416/451596
	4 1/2	25	15.95	452417/451597
	5	25	17.53	452418/451598
	5 1/2	25	19.12	452419/451599
	6	25	20.72	452420/451601
5/8" UNC				
11 TPI	1	25	6.97	452424/451602
	1 1/4	25	7.77	452426/451603
	1 1/2	25	8.56	452428/451604
	1 3/4	25	9.45	452430/451605
	2	25	10.43	452432/451606
	2 1/4	25	11.45	452434/451607
	2 1/2	25	12.39	452436/451608
	2 3/4	25	13.35	452438/451609
	3	25	14.33	452440/451611
	3 1/4	25	15.31	452442/451612
	3 1/2	25	16.29	452444/451613
	3 3/4	25	17.24	452445/451614
	4	25	18.23	452446/451615
	4 1/2	25	20.19	452448/451617
	5	25	23.06	452450/451619
	5 1/2	25	24.10	452452/451622
	6	25	26.04	452454/451624
	6 1/2	10	27.94	451120
	7	10	29.85	451121
	7 1/2	10	31.75	451123
	8	10	33.61	451124
	8 1/2	1	35.52	451125
	9	1	37.38	451126
	9 1/2	1	39.28	451127
	10	1	41.19	451129
	11	1	44.95	451158

Diameter	Length	Box	Weight KG/100	Code
5/8" UNC 11TPI... Continues				
	12	1	48.54	451166
	13	1	52.16	451172
	14	1	55.79	451178
	15	1	59.88	451184
	16	1	68.04	451186
5/8" UNF				
18 TPI	1	25	6.97	452460/451626
	1 1/4	25	7.77	452462/451628
	1 1/2	25	8.56	452464/451629
	1 3/4	25	9.45	452466/451631
	2	25	10.43	452468/451632
	2 1/4	25	11.45	452470/451633
	2 1/2	25	12.39	452472/451634
	2 3/4	25	13.35	452474/451635
	3	25	14.33	452476/451636
	3 1/4	25	15.31	452478/451637
	3 1/2	25	16.29	452480/451638
	3 3/4	25	17.24	452481/451639
	4	25	18.23	452482/451641
	4 1/2	25	20.19	452484/451642
	5	25	22.14	452486/451643
	5 1/2	25	24.10	452488/451644
	6	25	26.04	452490/451645
	6 1/2	10	27.94	451130
	7	10	29.85	451131
	7 1/2	10	31.75	451132
	8	10	33.61	451133
	8 1/2	1	35.52	451135
	9	1	37.38	451136
	9 1/2	1	39.28	451137
	10	1	41.19	451138
	11	1	44.95	451190
	12	1	48.54	451196
	13	1	52.16	451202
	14	1	55.79	451208
	15	1	59.88	451214
	16	1	68.04	451216
3/4" UNC				
10 TPI	1	25	11.10	452500/451648
	1 1/4	25	12.39	452502/451649
	1 1/2	25	13.55	452504/451671
	1 3/4	25	14.73	452506/451672
	2	25	16.04	452508/451673
	2 1/4	25	17.44	452510/451674
	2 1/2	25	18.83	452512/451675
	2 3/4	25	20.25	452514/451676
	3	25	21.65	452516/451677
	3 1/4	25	23.06	451518/451678
	3 1/2	25	24.46	452520/451679
	3 3/4	25	25.87	452522/451681
	4	25	27.27	452524/451682
	4 1/2	25	30.08	452526/451684
	5	25	34.40	452528/451686
	5 1/2	25	35.71	452530/451687
	6	10	38.52	452532/451688
	6 1/2	10	41.23	451139
	7	10	43.95	451141
	7 1/2	10	46.72	451142
	8	10	49.44	451143
	8 1/2	1	52.16	451144



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN
ANSI B18.2.1 - 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN
ANSI B18.2.1 - 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

3/4" UNC 10TPI... Continues

9	1	54.89	451145
9 1/2	1	57.61	451147
10	1	60.33	451148
11	1	65.77	451220
12	1	71.67	451223
13	1	77.11	451226
14	1	82.56	451229
15	1	88.00	451238
16	1	93.44	451242

3/4" UNF

16 TPI

1	25	11.10	452540/451692
1 1/4	25	12.39	452542/451693
1 1/2	25	13.55	452544/451694
1 3/4	25	14.73	452546/451695
2	25	16.04	452548/451696
2 1/4	25	17.44	452550/451697
2 1/2	25	18.83	452552/451698
2 3/4	25	20.25	452554/451699
3	25	21.65	452556/451701
3 1/4	25	23.06	452558/451702
3 1/2	25	24.46	452560/451703
3 3/4	25	25.87	452562/451704
4	25	27.27	452564/451705
4 1/2	25	30.08	452566/451706
5	25	34.40	452568/451707
5 1/2	25	35.71	452570/451708
6	25	38.52	452572/451709
6 1/2	10	41.23	451150
7	10	43.95	451151
7 1/2	10	46.72	451153
8	10	49.44	451154
8 1/2	1	52.16	451155
9	1	54.89	451156
9 1/2	1	57.61	451157
10	1	60.33	451159
11	1	65.77	451248
12	1	71.67	451254
13	1	77.11	451260
14	1	82.56	451266
15	1	88.00	451272
16	1	93.44	451278

7/8" UNC

9 TPI

1 1/2	15	19.92	452575/451722
1 3/4	15	21.54	452577/451723
2	15	23.25	452580/451725
2 1/4	15	25.00	452582/451726
2 1/2	15	26.91	452584/451727
2 3/4	15	28.84	452586/451728
3	15	30.75	452588/451729
3 1/4	15	32.68	452590/451731
3 1/2	15	34.59	452592/451732
3 3/4	15	36.49	452594/451733
4	15	38.43	452596/451734
4 1/2	15	42.24	452598/451736
5	15	46.08	452600/451737
5 1/2	15	49.92	452602/451738
6	15	53.73	452604/451739
6 1/2	10	57.61	451160
7	10	61.24	451161
7 1/2	10	64.86	451162

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

7/8" UNC 9TPI... Continues

8	10	68.49	451163
8 1/2	1	72.12	451164
9	1	76.20	451165
9 1/2	1	79.83	451167
10	1	83.46	451168
11	1	91.17	451280
12	1	98.43	451282
13	1	106.14	451284
14	1	113.40	451286
15	1	120.66	451288
16	1	127.92	451290

7/8" UNF

14 TPI

1 1/2	15	19.92	452613/451742
1 3/4	15	21.54	452616/451743
2	15	23.25	452620/451744
2 1/4	15	25.00	452622/451745
2 1/2	15	26.91	452624/451746
2 3/4	15	28.84	452626/451747
3	15	30.75	452628/451748
3 1/4	15	32.68	452630/451749
3 1/2	15	34.59	452632/451751
3 3/4	15	36.49	452634/451752
4	15	38.43	452636/451753
4 1/2	15	42.24	452638/451754
5	15	46.08	452640/451755
5 1/2	15	49.92	452642/451756
6	15	53.73	452644/451757
6 1/2	10	57.61	451170
7	10	61.24	451171
7 1/2	10	64.86	451173
8	10	68.49	451174
8 1/2	1	72.12	451175
9	1	76.20	451176
9 1/2	1	79.83	451177
10	1	83.46	451179
11	1	91.17	451292
12	1	98.43	451294
13	1	106.14	451296
14	1	113.40	451297
15	1	120.66	451298
16	1	127.92	451299

1" UNC

8 TPI

2	10	31.93	452660/451762
2 1/4	10	34.07	452662/451763
2 1/2	10	36.38	452664/451764
2 3/4	10	38.87	452666/451765
3	10	41.37	452668/451766
3 1/4	10	43.86	452670/451767
3 1/2	10	46.36	452672/451768
4	10	51.39	452674/451769
4 1/2	10	56.38	452676/451774
5	10	61.37	452678/451775
5 1/2	10	66.41	452680/451777
6	10	71.40	452682/451778
6 1/2	10	77.11	451180
7	10	81.65	451181
7 1/2	10	82.10	451182
8	10	91.63	451183
8 1/2	1	96.62	451185
9	1	101.15	451187

IMPERIAL ALLOY
GRADE 8 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

1" UNC 8TPI... Continues

9 1/2	1	106.14	451188
10	1	111.13	451189
11	1	120.66	451300
12	1	130.64	451310
13	1	140.16	451320
14	1	150.14	451330
15	1	160.12	451340
16	1	170.10	451350

1" UNF

14 TPI

2	10	31.93	452690/451790
2 1/4	10	34.07	452692/451795
2 1/2	10	36.38	452694/451796
2 3/4	10	38.87	452696/451801
3	10	41.37	452698/451802
3 1/4	10	43.86	452700/451807
3 1/2	10	46.36	452702/451808
4	10	51.39	452704/451813
4 1/2	10	56.38	452706/451814
5	10	61.37	452708/451819
5 1/2	10	66.41	452710/451820
6	10	71.40	452712/451825
6 1/2	10	77.11	451191
7	10	81.65	451192
7 1/2	10	86.64	451193
8	10	91.63	451194
8 1/2	1	96.62	451195
9	1	101.15	451197
9 1/2	1	106.14	451198
10	1	111.13	451199
11	1	120.66	451360
12	1	130.64	451370
13	1	140.16	451380
14	1	150.14	451390
15	1	160.12	451400
16	1	170.10	451410

1 1/8" UNC

7 TPI

2 1/2	1	47.99	451001
3	1	54.11	451002
3 1/2	1	60.46	451003
4	1	66.82	451004
4 1/2	1	73.17	451005
5	1	79.56	451006
5 1/2	1	85.91	451007
6	1	92.26	451008
6 1/2	1	98.88	451009
7	1	105.24	451010
8	1	117.48	451011
9	1	129.73	451012
10	1	141.98	451013
11	1	154.22	451420
12	1	166.92	451430
13	1	179.17	451440
14	1	191.42	451450
15	1	203.67	451460
16	1	215.91	451470

1 1/8" UNF

12 TPI

2 1/2	1	47.99	451014
3	1	54.11	451015
3 1/2	1	60.46	451016
4	1	66.82	451017

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

1/8" UNF 12TPI... Continues

4 1/2	1	73.17	451018
5	1	79.56	451019
5 1/2	1	85.91	451020
6	1	92.26	451021
6 1/2	1	98.88	451022
7	1	105.24	451023
8	1	117.48	451024
9	1	129.73	451025
10	1	141.98	451026
11	1	154.22	451480
12	1	166.92	451490
13	1	179.17	451500
14	1	191.42	451510
15	1	203.67	451520
16	1	215.91	451530

1 1/4" UNC

7 TPI

2 1/2	1	63.01	451027
3	1	70.04	451028
3 1/2	1	77.88	451029
4	1	85.69	451030
4 1/2	1	93.53	451031
5	1	101.38	451032
5 1/2	1	109.23	451033
6	1	117.07	451034
6 1/2	1	126.10	451035
7	1	133.81	451036
8	1	148.78	451037
9	1	164.20	451038
10	1	179.17	451039
11	1	194.59	451540
12	1	209.56	451550
13	1	224.99	451560
14	1	240.41	451570
15	1	255.83	451580
16	1	271.25	451590

1 1/4" UNF

12 TPI

2 1/2	1	63.01	451040
3	1	70.04	451041
3 1/2	1	77.88	451042
4	1	85.69	451043
4 1/2	1	93.53	451044
5	1	101.38	451045
5 1/2	1	109.23	451046
6	1	117.07	451047
6 1/2	1	126.10	451048
7	1	133.81	451049
8	1	148.78	451051
9	1	164.20	451052
10	1	179.17	451054
11	1	194.59	451600
12	1	209.56	451610
13	1	224.99	451620
14	1	240.41	451630
15	1	255.83	451640
16	1	271.25	451650

1 3/8" UNC

6 TPI

4	1	106.23	451651
4 1/2	1	115.76	451652
5	1	125.28	451653
5 1/2	1	134.76	451654





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996 , SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - PLAIN

ANSI B18.2.1 - 1996 , SAE J429

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

1 3/8" UNC 6TPI... Continues

6	1	144.29	451655
7	1	163.34	451656
8	1	182.39	451657
9	1	201.44	451658
10	1	220.49	451659
11	1	239.55	451660
12	1	258.60	451670
13	1	277.65	451680
14	1	296.70	451690
15	1	315.75	451700
16	1	334.80	451710

1 3/8" UNF 12 TPI

4	1	115.76	451711
4 1/2	1	115.76	451712
5	1	125.28	451713
5 1/2	1	134.76	451714
6	1	144.29	451715
7	1	163.34	451716
8	1	182.39	451717
9	1	201.44	451718
10	1	220.49	451719
11	1	239.55	451720
12	1	258.60	451730
13	1	277.65	451740
14	1	296.70	451750
15	1	315.75	451760
16	1	334.80	451770

1 1/2" UNC 6 TPI

3	1	112.58	451055
3 1/2	1	120.25	451057
4	1	131.54	451058
4 1/2	1	142.84	451060
5	1	154.18	451061
5 1/2	1	165.47	451063
6	1	176.77	451064
6 1/2	1	189.15	451066
7	1	200.49	451067
8	1	223.17	451069
9	1	245.85	451070
10	1	268.53	451073
11	1	291.21	451773
12	1	313.89	451776
13	1	336.57	451779
14	1	359.25	451782
15	1	381.93	451785
16	1	404.61	451788

1 1/2" UNF 12 TPI

3	1	110.13	451076
3 1/2	1	120.25	451082
4	1	131.54	451087
4 1/2	1	142.84	451088
5	1	154.18	451090
5 1/2	1	165.47	451091
6	1	176.77	451093
6 1/2	1	189.15	451094
7	1	200.49	451096
8	1	223.17	451097
9	1	245.85	451099
10	1	268.53	451100
11	1	291.21	451791

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

1 1/2" UNF 12TPI... Continues

12	1	313.89	451794
13	1	336.57	451797
14	1	359.25	451800
15	1	381.93	451803
16	1	404.61	451806

1 3/4" UNC 5 TPI

4	1	195.05	451809
4 1/2	1	203.98	451812
5	1	219.36	451815
5 1/2	1	234.74	451818
6	1	250.12	451821
7	1	280.87	451824
8	1	311.62	451827
9	1	342.38	451830
10	1	373.13	451833
11	1	403.89	451836
12	1	434.64	451839
13	1	465.39	451842
14	1	496.15	451845
15	1	526.90	451848
16	1	557.66	451851

2" UNC 4 1/2 TPI

4	1	258.37	451854
4 1/2	1	276.38	451857
5	1	296.47	451860
5 1/2	1	316.57	451863
6	1	336.66	451866
7	1	376.85	451869
8	1	417.04	451872
9	1	457.23	451875
10	1	497.42	451878
11	1	537.61	451881
12	1	577.80	451884
13	1	617.98	451887
14	1	658.17	451890
15	1	698.36	451893
16	1	738.55	451896



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)

ANSI B18.2.1 1996 , SAE J429

Diameter	Length	Box	Weight KG/100	Code
----------	--------	-----	------------------	------

1/4" UNC 20 TPI

1/2	100	0.54	450002/455002
5/8	100	0.59	450004/455004
3/4	100	0.65	450006/455006
7/8	100	0.71	450008/455008
1	100	0.79	450010/455010
1 1/8	100	0.87	450011/455011
1 1/4	100	0.94	450012/455012
1 3/8	100	1.03	450013/455013
1 1/2	100	1.10	450014/455014
1 3/4	100	1.26	450016/455016
2	100	1.42	450018/455018
2 1/4	100	1.57	450020/455020
2 1/2	100	1.73	450022/455022

IMPERIAL ALLOY
GRADE 8 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
1/4" UNC 20TPI... Continues				
	2 3/4	100	1.88	450024/455024
	3	100	2.05	450026/455026
	3 1/4	50	2.20	450027/455027
	3 1/2	50	2.35	450028/455028
	3 3/4	50	2.51	450029/455029
	4	50	2.67	450030/455030
	4 1/2	50	2.98	450031/455031
	5	50	3.29	450032/455032
	5 1/2	50	3.61	450033/455033
	6	50	3.92	450034/455034
1/4" UNF 28 TPI				
	1/2	100	0.54	450036/455036
	5/8	100	0.59	450038/455038
	3/4	100	0.65	450040/455040
	7/8	100	0.71	450042/455042
	1	100	0.79	450044/455044
	1 1/4	100	0.94	450046/455046
	1 1/2	100	1.10	450048/455048
	1 3/4	100	1.26	450050/455050
	2	100	1.42	450052/455052
	2 1/4	100	1.57	450054/455054
	2 1/2	100	1.73	450056/455056
	2 3/4	100	1.88	450058/455058
	3	100	2.04	450060/455060
	3 1/4	50	2.20	450061/455061
	3 1/2	50	2.35	450062/455062
	3 3/4	50	2.51	450063/455063
	4	50	2.67	450064/455064
	4 1/2	50	2.98	450065/455065
	5	50	3.29	450066/455066
	5 1/2	50	3.61	450067/455067
	6	50	3.92	450068/455068
5/16" UNC 18 TPI				
	1/2	100	0.90	450070/455070
	5/8	100	1.00	450072/455072
	3/4	100	1.09	450074/455074
	7/8	100	1.19	450076/455076
	1	100	1.28	450078/455078
	1 1/8	100	1.41	450079/455079
	1 1/4	100	1.53	450080/455080
	1 3/8	100	1.65	450081/455081
	1 1/2	100	1.77	450082/455082
	1 3/4	100	2.02	450084/455084
	2	100	2.26	450086/455086
	2 1/4	100	2.50	450088/455088
	2 1/2	100	2.75	450090/455090
	2 3/4	100	2.99	450092/455092
	3	100	3.24	450094/455094
	3 1/4	50	3.48	450095/455095
	3 1/2	50	3.72	450096/455096
	3 3/4	50	3.97	450097/455097
	4	50	4.21	450098/455098
	4 1/2	50	4.70	450099/455099
	5	50	5.19	450101/455101
	5 1/2	50	5.68	450103/455103
	6	50	6.16	450105/455105
5/16" UNF 24 TPI				
	1/2	100	0.90	450100/455100
	5/8	100	1.00	450102/455102
	3/4	100	1.09	450104/455104

Diameter	Length	Box	Weight KG/100	Code
5/16" UNF 24TPI... Continues				
	7/8	100	1.19	450106/455106
	1	100	1.28	450108/455108
	1 1/4	100	1.53	450110/455110
	1 1/2	100	1.77	450112/455112
	1 3/4	100	2.02	450114/455114
	2	100	2.26	450116/455116
	2 1/4	100	2.50	450118/455118
	2 1/2	100	2.75	450120/455120
	2 3/4	100	2.99	450122/455122
	3	100	3.24	450124/455124
	3 1/4	50	3.48	450125/455125
	3 1/2	50	3.72	450126/455126
	3 3/4	50	3.97	450127/455127
	4	50	4.21	450128/455128
	4 1/2	50	4.70	450129/455129
	5	50	5.19	450131/455131
	5 1/2	50	5.68	450133/455133
	6	50	6.16	450135/455135
3/8" UNC 16 TPI				
	1/2	100	1.33	450130/455130
	5/8	100	1.47	450132/455132
	3/4	100	1.61	450134/455134
	7/8	100	1.75	450136/455136
	1	100	1.89	450138/455138
	1 1/8	100	2.05	450139/455139
	1 1/4	100	2.20	450140/455140
	1 3/8	100	2.38	450141/455141
	1 1/2	100	2.56	450142/455142
	1 5/8	100	2.74	450143/455143
	1 3/4	100	2.91	450144/455144
	2	100	3.26	450146/455146
	2 1/4	100	3.62	450148/455148
	2 3/8	100	3.79	450149/455149
	2 1/2	100	3.96	450150/455150
	2 3/4	100	4.32	450152/455152
	3	100	4.67	450154/455154
	3 1/4	50	5.02	450156/455156
	3 1/2	50	5.38	450158/455158
	3 3/4	50	5.72	450160/455160
	4	50	6.08	450162/455162
	4 1/4	50	6.43	450163/455163
	4 1/2	50	6.78	450164/455164
	4 3/4	50	7.14	450165/455165
	5	50	7.48	450166/455166
	5 1/4	50	7.84	450167/455167
	5 1/2	50	8.19	450168/455168
	5 3/4	50	8.55	450170/455170
	6	50	8.90	450169/455169
3/8" UNF 24 TPI				
	1/2	100	1.33	450172/455172
	5/8	100	1.47	450174/455174
	3/4	100	1.61	450176/455176
	7/8	100	1.75	450178/455178
	1	100	1.89	450180/455180
	1 1/8	100	2.05	450181/455181
	1 1/4	100	2.20	450182/455182
	1 3/8	100	2.38	450183/455183
	1 1/2	100	2.56	450184/455184
	1 3/4	100	2.91	450186/455186
	2	100	3.26	450190/455190



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
3/8" UNF 24TPI... Continues				
	2 1/4	100	3.62	450192/455192
	2 3/8	100	3.79	450193/455193
	2 1/2	100	3.96	450194/455194
	2 3/4	100	4.32	450196/455196
	3	100	4.67	450198/455198
	3 1/4	50	5.02	450200/455200
	3 1/2	50	5.38	450202/455202
	3 3/4	50	5.72	450204/455204
	4	50	6.08	450206/455206
	4 1/2	50	6.78	450208/455208
	5	50	7.48	450210/455210
	5 1/2	50	8.19	450211/455211
	6	50	8.90	450212/455212
7/16" UNC 14 TPI				
	3/4	100	2.30	450214/455214
	7/8	100	2.49	450216/455216
	1	100	2.69	450218/455218
	1 1/8	100	2.88	450219/455219
	1 1/4	50	3.07	450220/455220
	1 3/8	50	3.31	450221/455221
	1 1/2	50	3.55	450222/455222
	1 3/4	50	4.03	450224/455224
	2	50	4.51	450226/455226
	2 1/4	50	4.99	450228/455228
	2 1/2	50	5.47	450230/455230
	2 3/4	50	5.95	450232/455232
	3	50	6.43	450234/455234
	3 1/4	25	6.91	450236/455236
	3 1/2	25	7.39	450238/455238
	3 3/4	25	7.87	450240/455240
	4	25	8.35	450242/455242
	4 1/2	25	9.31	450244/455244
	5	25	10.27	450246/455246
	5 1/2	25	11.24	450247/455247
	6	25	12.20	450248/455248
7/16" UNF 20 TPI				
	3/4	100	2.30	450250/455250
	7/8	100	2.49	450252/455252
	1	100	2.69	450254/455254
	1 1/8	100	2.88	450255/455255
	1 1/4	50	3.07	450256/455256
	1 1/2	50	3.55	450258/455258
	1 3/4	50	4.03	450260/455260
	2	50	4.51	450262/455262
	2 1/4	50	4.99	450264/455264
	2 1/2	50	5.47	450266/455266
	2 3/4	50	5.95	450268/455268
	3	50	6.43	450270/455270
	3 1/4	25	6.91	450272/455272
	3 1/2	25	7.39	450274/455274
	3 3/4	25	7.87	450276/455276
	4	25	8.35	450278/455278
	4 1/2	25	9.31	450280/455280
	5	25	10.27	450282/455282
	5 1/2	25	11.24	450283/455283
	6	25	12.20	450284/455284
1/2" UNC 13 TPI				
	3/4	50	3.67	450290/455290
	7/8	50	3.93	450292/455292
	1	50	4.18	450294/455294

Diameter	Length	Box	Weight KG/100	Code
1/2" UNC 13TPI... Continues				
	1 1/8	50	4.44	450295/455295
	1 1/4	50	4.69	450296/455296
	1 3/8	50	4.98	450297/455297
	1 1/2	50	5.26	450298/455298
	1 5/8	50	5.57	450299/455299
	1 3/4	50	5.88	450300/455300
	1 7/8	50	6.20	450301/455301
	2	50	6.51	450302/455302
	2 1/4	50	7.14	450304/455304
	2 1/2	50	7.76	450306/455306
	2 3/4	50	8.39	450308/455308
	3	50	9.01	450310/455310
	3 1/4	25	9.64	450312/455312
	3 1/2	25	10.26	450314/455314
	3 3/4	25	10.89	450316/455316
	4	25	11.52	450318/455318
	4 1/4	25	12.14	450319/455319
	4 1/2	25	12.77	450320/455320
	4 3/4	25	13.59	450321/455321
	5	25	14.02	450322/455322
	5 1/4	25	14.65	450323/455323
	5 1/2	25	15.27	450324/455324
	5 3/4	25	15.90	450325/455325
	6	25	16.52	450326/455326
	6 1/2	20	17.51	450328/455328
	7	20	18.55	450331/455331
	7 1/2	20	19.73	450333/455333
	8	20	20.91	450335/455335
1/2" UNF 20 TPI				
	3/4	50	3.67	450330/455330
	7/8	50	3.93	450332/455332
	1	50	4.18	450334/455334
	1 1/4	50	4.69	450336/455336
	1 3/8	50	4.98	450337/455337
	1 1/2	50	5.26	450338/455338
	1 3/4	50	5.88	450340/455340
	2	50	6.51	450342/455342
	2 1/4	50	7.14	450344/455344
	2 1/2	50	7.76	450346/455346
	2 3/4	50	8.39	450348/455348
	3	50	9.01	450350/455350
	3 1/4	25	9.64	450352/455352
	3 1/2	25	10.26	450354/455354
	3 3/4	25	10.89	450356/455356
	4	25	11.52	450358/455358
	4 1/2	25	12.77	450360/455360
	5	25	14.02	450362/455362
	5 1/2	25	15.27	450364/455364
	6	25	16.52	450366/455366
	6 1/2	20	17.51	450368/455368
	7	20	18.55	450371/455371
	7 1/2	20	19.73	450373/455373
	8	20	20.91	450375/455375
9/16" UNC 12 TPI				
	1	25	5.12	450370/455370
	1 1/4	25	5.77	450372/455372
	1 1/2	25	6.41	450374/455374
	1 3/4	25	7.21	450376/455376
	2	25	8.00	450378/455378
	2 1/4	25	8.80	450380/455380

IMPERIAL ALLOY
GRADE 8 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
9/16" UNC 12TPI... Continues				
	2 1/2	25	9.59	450382/455382
	2 3/4	25	10.39	450384/455384
	3	25	11.18	450386/455386
	3 1/2	25	12.77	450388/455388
	4	25	14.36	450390/455390
	4 1/2	25	15.94	450391/455391
	5	25	17.53	450392/455392
	5 1/2	25	19.12	450393/455393
	6	25	20.71	450394/455394
9/16" UNF 18 TPI	1	25	5.12	450396/455396
	1 1/4	25	5.77	450398/455398
	1 1/2	25	6.40	450400/455400
	1 3/4	25	7.21	450402/455402
	2	25	8.00	450404/455404
	2 1/4	25	8.80	450406/455406
	2 1/2	25	9.59	450408/455408
	2 3/4	25	10.39	450410/455410
	3	25	11.18	450412/455412
	3 1/2	25	12.77	450414/455414
	4	25	14.36	450416/455416
	4 1/2	25	15.94	450417/455417
	5	25	17.53	450418/455418
	5 1/2	25	19.12	450419/455419
	6	25	20.71	450420/455420
5/8" UNC 11 TPI	1	25	6.88	450424/455424
	1 1/4	25	7.68	450426/455426
	1 1/2	25	8.48	450428/455428
	1 3/4	25	9.37	450430/455430
	2	25	10.35	450432/455432
	2 1/4	25	11.33	450434/455434
	2 1/2	25	12.31	450436/455436
	2 3/4	25	13.28	450438/455438
	3	25	14.26	450440/455440
	3 1/4	25	15.24	450442/455442
	3 1/2	25	16.22	450444/455444
	3 3/4	25	17.19	450445/455445
	4	25	18.17	450446/455446
	4 1/4	25	19.15	450447/455447
	4 1/2	25	20.13	450448/455448
	4 3/4	25	21.11	450449/455449
	5	25	22.08	450450/455450
	5 1/4	25	23.06	450451/455451
	5 1/2	25	24.04	450452/455452
	5 3/4	25	25.02	450453/455453
	6	25	25.99	450454/455454
	6 1/2	10	27.94	450456/455456
	7	10	29.85	450458/455458
	7 1/2	10	31.75	450461/455461
	8	10	33.61	450463/455463
5/8" UNF 18 TPI	1	25	6.88	450460/455460
	1 1/4	25	7.68	450462/455462
	1 1/2	25	8.48	450464/455464
	1 3/4	25	9.37	450466/455466
	2	25	10.35	450468/455468
	2 1/4	25	11.33	450470/455470
	2 1/2	25	12.31	450472/455472
	2 3/4	25	13.28	450474/455474

Diameter	Length	Box	Weight KG/100	Code
5/8" UNF 18TPI... Continues				
	3	25	14.26	450476/455476
	3 1/4	25	15.24	450478/455478
	3 1/2	25	16.22	450480/455480
	3 3/4	25	17.19	450481/455481
	4	25	18.17	450482/455482
	4 1/2	25	20.13	450484/455484
	5	25	22.08	450486/455486
	5 1/2	25	24.04	450488/455488
	6	25	25.99	450490/455490
	6 1/2	10	27.94	450492/455492
	7	10	29.85	450494/455494
	7 1/2	10	31.75	450496/455496
	8	10	33.61	450498/455498
3/4" UNC 10 TPI	1	25	11.10	450500/455500
	1 1/4	25	12.27	450502/455502
	1 1/2	25	13.45	450504/455504
	1 3/4	25	14.63	450506/455506
	2	25	15.93	450508/455508
	2 1/4	25	17.34	450510/455510
	2 1/2	25	18.75	450512/455512
	2 3/4	25	20.16	450514/455514
	3	25	21.57	450516/455516
	3 1/4	25	22.98	450518/455518
	3 1/2	25	24.39	450520/455520
	3 3/4	25	25.81	450522/455522
	4	25	27.22	450524/455524
	4 1/4	25	28.63	450525/455525
	4 1/2	25	30.04	450526/455526
	4 3/4	25	31.45	450527/455527
	5	25	32.86	450528/455528
	5 1/2	25	35.68	450530/455530
	6	25	38.50	450532/455532
	6 1/2	10	41.23	450534/455534
	7	10	43.95	450536/455536
	7 1/2	10	46.72	450538/455538
	8	10	49.44	450541/455541
3/4" UNF 16 TPI	1	25	11.19	450540/455540
	1 1/4	25	12.27	450542/455542
	1 1/2	25	13.45	450544/455544
	1 3/4	25	14.63	450546/455546
	2	25	15.93	450548/455548
	2 1/4	25	17.34	450550/455550
	2 1/2	25	18.75	450552/455552
	2 3/4	25	20.16	450554/455554
	3	25	21.57	450556/455556
	3 1/4	25	22.98	450558/455558
	3 1/2	25	24.39	450560/455560
	3 3/4	25	25.81	450562/455562
	4	25	27.22	450564/455564
	4 1/2	25	30.04	450566/455566
	5	25	32.86	450568/455568
	5 1/2	25	35.68	450570/455570
	6	25	38.50	450572/455572
	6 1/2	10	41.23	450574/455574
	7	10	43.95	450576/455576
	7 1/2	10	46.72	450578/455578
	8	10	49.44	450579/455579



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429

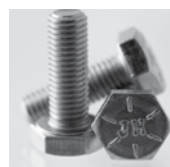


ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P YELLOW (DICHROMATE)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
7/8" UNC	1 1/2	15	19.92	450575/455575
	9 TPI	15	21.54	450577/455577
	2	15	23.16	450580/455580
	2 1/4	15	24.93	450582/455582
	2 1/2	15	26.85	450584/455584
	2 3/4	15	28.77	450586/455586
	3	15	30.69	450588/455588
	3 1/4	15	32.60	450590/455590
	3 1/2	15	34.52	450592/455592
	3 3/4	15	36.44	450594/455594
	4	15	38.36	450596/455596
	4 1/4	15	40.28	450597/455597
	4 1/2	15	42.20	450598/455598
	5	15	46.04	450600/455600
	5 1/2	15	49.87	450602/455602
	6	15	53.71	450604/455604
	6 1/2	10	57.61	450606/455606
	7	10	61.24	450608/455608
	8	10	68.49	450610/455610

Diameter	Length	Box	Weight KG/100	Code
1" UNF 14TPI... Continues				
	2 1/2	10	36.25	450694/455694
	2 3/4	10	38.76	450696/455696
	3	10	41.26	450698/455698
	3 1/4	10	43.76	450700/455700
	3 1/2	10	46.27	450702/455702
	4	10	51.27	450704/455704
	4 1/2	10	56.28	450706/455706
	5	10	61.29	450708/455708
	5 1/2	10	66.30	450710/455710
	6	10	71.31	450712/455712
	6 1/2	10	77.11	450714/455714
	7	10	81.65	450715/455715
	8	10	91.63	450716/455716



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
1/4" UNC	1/2	100	0.55	453002
	20 TPI	100	0.60	453004
	3/4	100	0.66	453006
	7/8	100	0.72	453008
	1	100	0.80	453010
	1 1/8	100	0.87	453011
	1 1/4	100	0.95	453012
	1 3/8	100	1.03	453013
	1 1/2	100	1.11	453014
	1 3/4	100	1.27	453016
	2	100	1.43	453018
	2 1/4	100	1.58	453020
	2 1/2	100	1.74	453022
	2 3/4	100	1.90	453024
	3	100	2.06	453026
	3 1/4	50	2.18	453027
	3 1/2	50	2.32	453028
	3 3/4	50	2.50	453029
	4	50	2.63	453030
	4 1/2	50	2.95	453031
	5	50	3.27	453032
	5 1/2	50	3.58	453033
	6	50	3.90	453034
1/4" UNF	1/2	100	0.55	453036
	28 TPI	100	0.61	453038
	3/4	100	0.67	453040
	7/8	100	0.72	453042
	1	100	0.80	453044
	1 1/4	100	0.95	453046
	1 1/2	100	1.11	453048
	1 3/4	100	1.27	453050
	2	100	1.42	453052
	2 1/4	100	1.58	453054
	2 1/2	100	1.74	453056
	2 3/4	100	1.90	453058
	3	100	2.06	453060

7/8" UNF	1 1/2	15	19.92	450613/455613
	14 TPI	15	21.54	450616/455616
	2	15	23.16	450620/455620
	2 1/4	15	24.93	450622/455622
	2 1/2	15	26.85	450624/455624
	2 3/4	15	28.77	450626/455626
	3	15	30.69	450628/455628
	3 1/4	15	32.60	450630/455630
	3 1/2	15	34.52	450632/455632
	3 3/4	15	36.44	450634/455634
	4	15	38.36	450636/455636
	4 1/2	15	42.20	450638/455638
	5	15	46.04	450640/455640
	5 1/2	15	49.87	450642/455642
	6	15	53.71	450644/455644
	6 1/2	10	57.61	450646/455646
	7	10	61.24	450648/455648
	8	10	68.49	450650/455650

1" UNC	1 1/2	10	27.57	450656/455656
	8 TPI	10	29.69	450658/455658
	2	10	31.82	450660/455660
	2 1/4	10	33.94	450662/455662
	2 1/2	10	36.25	450664/455664
	2 3/4	10	38.76	450666/455666
	3	10	41.26	450668/455668
	3 1/4	10	43.76	450670/455670
	3 1/2	10	46.27	450672/455672
	4	10	51.27	450674/455674
	4 1/2	10	56.28	450676/455676
	5	10	61.29	450678/455678
	5 1/2	10	66.30	450680/455680
	6	10	71.31	450682/455682
	6 1/2	10	77.11	450684/455684
	7	10	81.65	450685/455685
	8	10	91.63	450686/455686

1" UNF	1 1/2	10	27.57	450688/455688
	14 TPI	10	29.69	450689/455689
	2	10	31.82	450690/455690
	2 1/4	10	33.94	450692/455692





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
1/4" UNF 28TPI... Continues				
	3 1/4	50	2.18	453061
	3 1/2	50	2.31	453062
	3 3/4	50	2.50	453063
	4	50	2.63	453064
	4 1/2	50	2.95	453065
	5	50	3.27	453066
	5 1/2	50	3.59	453067
	6	50	3.90	453068
5/16" UNC 18 TPI	1/2	100	0.93	453070
	5/8	100	1.02	453072
	3/4	100	1.12	453074
	7/8	100	1.21	453076
	1	100	1.31	453078
	1 1/8	100	1.41	453079
	1 1/4	100	1.55	453080
	1 3/8	100	1.65	453081
	1 1/2	100	1.80	453082
	1 3/4	100	2.04	453084
	2	100	2.28	453086
	2 1/4	100	2.53	453088
	2 1/2	100	2.77	453090
	2 3/4	100	3.01	453092
	3	100	3.26	453094
	3 1/4	50	3.45	453095
	3 1/2	50	3.72	453096
	3 3/4	50	3.95	453097
	4	50	4.18	453098
	4 1/2	50	4.71	453099
	5	50	5.19	453101
	5 1/2	50	5.68	453103
	6	50	6.17	453105
5/16" UNF 24 TPI	1/2	100	0.93	453100
	5/8	100	1.02	453102
	3/4	100	1.12	453104
	7/8	100	1.21	453106
	1	100	1.31	453108
	1 1/4	100	1.55	453110
	1 1/2	100	1.80	453112
	1 3/4	100	2.04	453114
	2	100	2.28	453116
	2 1/4	100	2.53	453118
	2 1/2	100	2.77	453120
	2 3/4	100	3.01	453122
	3	100	3.26	453124
	3 1/4	50	3.45	453125
	3 1/2	50	3.72	453126
	3 3/4	50	3.95	453127
	4	50	4.18	453128
	4 1/2	50	4.71	453129
	5	50	5.19	453131
	5 1/2	50	5.68	453133
	6	50	6.17	453135
3/8" UNC 16 TPI	1/2	100	1.36	453130
	5/8	100	1.49	453132
	3/4	100	1.64	453134
	7/8	100	1.78	453136
	1	100	1.92	453138

Diameter	Length	Box	Weight KG/100	Code
3/8" UNC 16TPI... Continues				
	1 1/8	100	2.06	453139
	1 1/4	100	2.23	453140
	1 3/8	100	2.38	453141
	1 1/2	100	2.58	453142
	1 5/8	100	2.74	453143
	1 3/4	100	2.94	453144
	2	100	3.29	453146
	2 1/4	100	3.64	453148
	2 3/8	100	3.79	453149
	2 1/2	100	3.99	453150
	2 3/4	100	4.34	453152
	3	100	4.69	453154
	3 1/4	50	5.04	453156
	3 1/2	50	5.40	453158
	3 3/4	50	5.75	453160
	4	50	6.10	453162
	4 1/4	50	6.43	453163
	4 1/2	50	6.81	453164
	4 3/4	50	7.14	453165
	5	50	7.51	453166
	5 1/4	50	7.84	453167
	5 1/2	50	8.19	453168
	5 3/4	50	8.55	453170
	6	50	8.90	453169
3/8" UNF 24 TPI	1/2	100	1.36	453172
	5/8	100	1.50	453174
	3/4	100	1.64	453176
	7/8	100	1.77	453178
	1	100	1.92	453180
	1 1/8	100	2.06	453181
	1 1/4	100	2.23	453182
	1 3/8	100	2.38	453183
	1 1/2	100	2.58	453184
	1 3/4	100	2.94	453186
	2	100	3.28	453190
	2 1/4	100	3.64	453192
	2 3/8	100	3.79	453193
	2 1/2	100	3.99	453194
	2 3/4	100	4.34	453196
	3	100	4.69	453198
	3 1/4	50	5.04	453200
	3 1/2	50	5.40	453202
	3 3/4	50	5.75	453204
	4	50	6.10	453206
	4 1/2	50	6.81	453208
	5	50	7.50	453210
	5 1/2	50	8.19	453211
	6	50	8.90	453212
7/16" UNC 14 TPI	3/4	100	2.34	453214
	7/8	100	2.53	453216
	1	100	2.72	453218
	1 1/8	100	2.88	453219
	1 1/4	50	3.10	453220
	1 3/8	50	3.31	453221
	1 1/2	50	3.59	453222
	1 3/4	50	4.07	453224
	2	50	4.54	453226
	2 1/4	50	5.02	453228





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code	
7/16" UNC 14TPI... Continues					
	2 1/2	50	5.50	453230	
	2 3/4	50	5.97	453232	
	3	50	6.45	453234	
	3 1/4	25	6.93	453236	
	3 1/2	25	7.40	453238	
	3 3/4	25	7.89	453240	
	4	25	8.37	453242	
	4 1/2	25	9.33	453244	
	5	25	10.29	453246	
	5 1/2	25	11.24	453247	
	6	25	12.19	453248	
7/16" UNF 20 TPI	3/4	100	2.34	453250	
	7/8	100	2.53	453252	
	1	100	2.72	453254	
	1 1/8	100	2.88	453255	
	1 1/4	50	3.11	453256	
	1 1/2	50	3.58	453258	
	1 3/4	50	4.07	453260	
	2	50	4.54	453262	
	2 1/4	50	5.02	453264	
	2 1/2	50	5.50	453266	
	2 3/4	50	5.97	453268	
	3	50	6.45	453270	
	3 1/4	25	6.93	453272	
	3 1/2	25	7.41	453274	
	3 3/4	25	7.90	453276	
	4	25	8.36	453278	
	4 1/2	25	9.33	453280	
	5	25	10.29	453282	
	5 1/2	25	11.23	453283	
	6	25	12.20	453284	
	1/2" UNC 13 TPI	3/4	50	3.43	453290
		7/8	50	3.69	453292
		1	50	3.94	453294
		1 1/8	50	4.44	453295
		1 1/4	50	4.44	453296
		1 3/8	50	4.98	453297
		1 1/2	50	5.01	453298
		1 5/8	50	5.57	453299
1 3/4		50	5.64	453300	
1 7/8		50	6.20	453301	
2		50	6.26	453302	
2 1/4		50	6.89	453304	
2 1/2		50	7.50	453306	
2 3/4		50	8.13	453308	
3		50	8.76	453310	
3 1/4		25	9.38	453312	
3 1/2		25	10.02	453314	
3 3/4		25	10.63	453316	
4		25	11.25	453318	
4 1/4		25	12.14	453319	
4 1/2		25	12.50	453320	
4 3/4		25	13.59	453321	
5		25	13.76	453322	
5 1/4		25	14.65	453323	
5 1/2		25	15.01	453324	
5 3/4		25	15.90	453325	
6		25	16.26	453326	

Diameter	Length	Box	Weight KG/100	Code	
1/2" UNC 13TPI... Continues					
	6 1/2	20	18.01	453328	
	7	20	19.26	453331	
	7 1/2	20	20.55	453333	
	8	20	21.78	453335	
1/2" UNF 20 TPI	3/4	50	3.43	453330	
	7/8	50	3.69	453332	
	1	50	3.94	453334	
	1 1/4	50	4.44	453336	
	1 3/8	50	4.98	453337	
	1 1/2	50	5.01	453338	
	1 3/4	50	5.64	453340	
	2	50	6.26	453342	
	2 1/4	50	6.89	453344	
	2 1/2	50	7.50	453346	
	2 3/4	50	8.13	453348	
	3	50	8.76	453350	
	3 1/4	25	9.38	453352	
	3 1/2	25	10.02	453354	
	3 3/4	25	10.63	453356	
	4	25	11.25	453358	
	4 1/2	25	12.50	453360	
	5	25	13.76	453362	
	5 1/2	25	15.01	453364	
	6	25	16.26	453366	
	6 1/2	20	18.01	453368	
	7	20	19.26	453371	
	7 1/2	20	20.55	453373	
	8	20	21.77	453375	
	9/16" UNC 12 TPI	1	25	5.17	453370
		1 1/4	25	5.81	453372
1 1/2		25	6.46	453374	
1 3/4		25	7.26	453376	
2		25	8.04	453378	
2 1/4		25	8.84	453380	
2 1/2		25	9.62	453382	
2 3/4		25	10.42	453384	
3		25	11.21	453386	
3 1/2		25	12.79	453388	
4		25	14.37	453390	
4 1/2		25	15.95	453391	
5		25	17.53	453392	
5 1/2		25	19.13	453393	
6		25	20.72	453394	
9/16" UNF 18 TPI		1	25	5.17	453396
	1 1/4	25	5.81	453398	
	1 1/2	25	6.46	453400	
	1 3/4	25	7.26	453402	
	2	25	8.04	453404	
	2 1/4	25	8.84	453406	
	2 1/2	25	9.62	453408	
	2 3/4	25	10.42	453410	
	3	25	11.22	453412	
	3 1/2	25	12.80	453414	
	4	25	14.37	453416	
	4 1/2	25	15.95	453417	
	5	25	17.53	453418	
	5 1/2	25	19.13	453419	

IMPERIAL ALLOY
GRADE 8 HEX BOLTS





ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996, SAE J429

Diameter	Length	Box	Weight KG/100	Code
9/16" UNF 18TPI... Continues				
	6	25	20.72	453420
5/8" UNC 11 TPI				
	1	25	6.97	453424
	1 1/4	25	7.77	453426
	1 1/2	25	8.57	453428
	1 3/4	25	9.46	453430
	2	25	10.44	453432
	2 1/4	25	11.45	453434
	2 1/2	25	12.39	453436
	2 3/4	25	13.36	453438
	3	25	14.34	453440
	3 1/4	25	15.32	453442
	3 1/2	25	16.29	453444
	3 3/4	25	17.24	453445
	4	25	18.24	453446
	4 1/4	25	19.12	453447
	4 1/2	25	20.20	453448
	4 3/4	25	21.11	453449
	5	25	23.06	453450
	5 1/4	25	23.06	453451
	5 1/2	25	23.06	453452
	5 3/4	25	25.02	453453
	6	25	26.04	453454
	6 1/2	10	28.40	453456
	7	10	30.35	453458
	7 1/2	10	32.30	453461
	8	10	34.25	453463
5/8" UNF 18 TPI				
	1	25	6.97	453460
	1 1/4	25	7.77	453462
	1 1/2	25	8.57	453464
	1 3/4	25	9.45	453466
	2	25	10.43	453468
	2 1/4	25	11.45	453470
	2 1/2	25	12.40	453472
	2 3/4	25	13.36	453474
	3	25	14.33	453476
	3 1/4	25	15.32	453478
	3 1/2	25	16.30	453480
	3 3/4	25	17.24	453481
	4	25	18.24	453482
	4 1/2	25	20.20	453484
	5	25	22.14	453486
	5 1/2	25	24.10	453488
	6	25	26.04	453490
	6 1/2	10	28.40	453492
	7	10	30.35	453494
	7 1/2	10	32.30	453496
	8	10	34.25	453498
3/4" UNC 10 TPI				
	1	25	11.10	453500
	1 1/4	25	12.40	453502
	1 1/2	25	13.55	453504
	1 3/4	25	14.73	453506
	2	25	16.04	453508
	2 1/4	25	17.44	453510
	2 1/2	25	18.84	453512
	2 3/4	25	20.25	453514
	3	25	21.65	453516
	3 1/4	25	23.06	453518

Diameter	Length	Box	Weight KG/100	Code
3/4" UNC 10TPI... Continues				
	3 1/2	25	24.46	453520
	3 3/4	25	25.88	453522
	4	25	27.27	453524
	4 1/4	25	28.63	453525
	4 1/2	25	30.08	453526
	4 3/4	25	31.45	453527
	5	25	34.40	453528
	5 1/2	25	35.71	453530
	6	25	38.52	453532
	6 1/2	10	41.96	453534
	7	10	44.77	453536
	7 1/2	10	47.63	453538
	8	10	50.44	453541
	9	1	56.70	453543
	10	1	61.24	453545
3/4" UNF 16 TPI				
	1	25	11.10	453540
	1 1/4	25	12.39	453542
	1 1/2	25	13.55	453544
	1 3/4	25	14.73	453546
	2	25	16.04	453548
	2 1/4	25	17.44	453550
	2 1/2	25	18.83	453552
	2 3/4	25	20.25	453554
	3	25	21.65	453556
	3 1/4	25	23.06	453558
	3 1/2	25	24.46	453560
	3 3/4	25	25.87	453562
	4	25	27.27	453564
	4 1/2	25	30.08	453566
	5	25	34.40	453568
	5 1/2	25	35.71	453570
	6	25	38.52	453572
	6 1/2	10	41.96	453574
	7	10	44.77	453576
	7 1/2	10	47.63	453578
	8	10	50.44	453579
	9	1	56.70	453581
	10	1	61.24	453583
7/8" UNC 9 TPI				
	1 1/2	15	19.92	453575
	1 3/4	15	21.54	453577
	2	15	23.25	453580
	2 1/4	15	25.01	453582
	2 1/2	15	26.91	453584
	2 3/4	15	28.85	453586
	3	15	30.75	453588
	3 1/4	15	32.69	453590
	3 1/2	15	34.59	453592
	3 3/4	15	36.50	453594
	4	15	38.43	453596
	4 1/4	15	40.28	453597
	4 1/2	15	42.24	453598
	5	15	46.09	453600
	5 1/2	15	49.92	453602
	6	15	53.73	453604
	6 1/2	10	58.47	453606
	7	10	62.33	453608
	8	10	69.99	453610



ALLOY GRADE 8 HEXAGON BOLTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
ANSI B18.2.1 1996 , SAE J429

Diameter	Length	Box	Weight KG/100	Code
7/8" UNF 14 TPI	1 1/2	15	19.92	453613
	1 3/4	15	21.54	453616
	2	15	23.25	453620
	2 1/4	15	25.01	453622
	2 1/2	15	26.91	453624
	2 3/4	15	28.85	453626
	3	15	30.75	453628
	3 1/4	15	32.69	453630
	3 1/2	15	34.59	453632
	3 3/4	15	36.50	453634
	4	15	38.43	453636
	4 1/2	15	42.24	453638
	5	15	46.09	453640
	5 1/2	15	49.92	453642
	6	15	53.73	453644
	6 1/2	10	58.47	453646
	7	10	62.33	453648
	8	10	69.99	453650
1" UNC 8 TPI	1 1/2	10	27.57	453656
	1 3/4	10	29.70	453658
	2	10	31.94	453660
	2 1/4	10	34.07	453662
	2 1/2	10	36.38	453664
	2 3/4	10	38.88	453666
	3	10	41.37	453668
	3 1/4	10	43.87	453670
	3 1/2	10	46.36	453672
	4	10	51.39	453674
	4 1/2	10	56.38	453676
	5	10	61.38	453678
	5 1/2	10	66.41	453680
	6	10	71.40	453682
	6 1/2	10	77.52	453684
	7	10	82.51	453685
	8	10	92.54	453686
1" UNF 14 TPI	1 1/2	10	27.57	453688
	1 3/4	10	27.57	453691
	2	10	31.94	453690
	2 1/4	10	34.07	453692
	2 1/2	10	36.38	453694
	2 3/4	10	38.88	453696
	3	10	41.37	453698
	3 1/4	10	43.87	453700
	3 1/2	10	46.36	453702
	4	10	51.39	453704
	4 1/2	10	56.38	453706
	5	10	61.38	453708
	5 1/2	10	66.41	453710
	6	10	71.40	453712
	6 1/2	10	77.52	453714
	7	10	82.51	453715
	8	10	92.54	453716
	9	1	99.79	453719
	10	1	113.40	453722

IMPERIAL ALLOY
GRADE 8 HEX BOLTS



CLASS 8 HEX NUTS METRIC - PLAIN

AS/NZS 1112 - ISO 4032

Size	Box	Weight KG/100	Code
M5-0.80	100	0.12	881020
M6-1.00	100	0.23	881030
M8-1.25	100	0.49	881040
M10-1.50	100	0.76	881050
M12-1.75	100	1.45	881060
M14-2.00	100	2.53	881070
M16-2.00	50	3.43	881080
M18-2.50	50	4.63	881090
M20-2.50	50	6.35	881100
M24-3.00	25	10.78	881110
M30-3.50	25	24.60	881130
M36-4.00	25	42.51	881140



CLASS 10 HEX NUTS METRIC - PLAIN (FINE PITCH)

AS/NZS 1112 - ISO 4032

Size	Box	Weight KG/100	Code
M8-1.00	100	0.50	316008
M10-1.25	100	0.73	316010
M12-1.25	100	1.73	316011
M12-1.50	100	1.73	316012
M14-1.50	100	2.63	316014
M16-1.50	50	3.31	316016
M20-1.50	50	5.40	316020
M24-2.00	25	12.84	316024
M30-2.00	25	22.23	316026
M36-3.00	25	39.01	316028



CLASS 8 HEX NUTS METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1112 - ISO 4032

Size	Box	Weight KG/100	Code
M5-0.80	100	0.27	868100
M6-1.00	100	0.34	868110
M8-1.25	100	0.50	868120
M10-1.50	100	0.73	868130
M12-1.75	100	1.72	868140
M14-2.00	100	2.63	868150
M16-2.00	50	3.31	868160
M20-2.50	50	5.40	868170
M24-3.00	25	12.84	868180



GRADE 8 HEX NUTS IMPERIAL - PLAIN

ASME/ANSI B18.2.2 - 1987

Size	Box	Weight KG/100	Code
1/4-20	100	0.33	326050/308050
5/16-18	100	0.50	326052/308052
3/8-16	100	0.73	326054/308054
7/16-14	100	1.29	326056/308056
1/2-13	100	1.70	326058/308058
9/16-12	100	2.64	326060/308060
5/8-11	50	3.32	326062/308062
3/4-10	50	5.40	326064/308064
7/8-9	25	8.62	326066/308066
1-8	25	12.84	326068/308068
1/4-28	100	0.33	326078/308078
5/16-24	100	0.50	326080/308080
3/8-24	100	0.73	326082/308082
7/16-20	100	1.29	326084/308084
1/2-20	100	1.70	326086/308086
9/16-18	100	2.64	326088/308088
5/8-18	50	3.32	326090/308090
3/4-16	50	5.40	326092/308092
7/8-14	25	8.62	326094/308094
1-14	25	12.84	326096/308096
1 1/8-7	10	18.28	308098
1 1/4-7	10	24.63	308099
1 3/8-6	10	33.11	308105
1 1/2-6	10	42.78	308101
1 3/4-5	5	90.72	308111
2 - 4 1/2	5	99.79	308115
1 1/8-12	10	18.28	308121
1 1/4-12	10	24.63	308123
1 3/8-12	10	33.12	308107
1 1/2-12	10	42.78	308109



CLASS 10 HEX NUTS METRIC - Z/P CLEAR (TRIVALENT)

AS/NZS 1112 - ISO 4032

Size	Box	Weight KG/100	Code
M5-0.80	100	0.27	309004
M6-1.00	100	0.34	309006
M8-1.25	100	0.50	309008
M10-1.50	100	0.73	309010
M12-1.75	100	1.73	309012
M14-2.00	100	2.63	309014
M16-2.00	50	3.31	309016
M18-2.50	50	4.63	309018
M20-2.50	50	5.40	309020
M24-3.00	25	12.84	309024



GRADE 8 HEX NUTS IMPERIAL - Z/P YELLOW (DICHROMATE)

ASME/ANSI B18.2.2 - 1987

Size	Box	Weight KG/100	Code
1/4-20	100	0.33	306050
5/16-18	100	0.50	306052
3/8-16	100	0.73	306054



CLASS 10 HEX NUTS METRIC - PLAIN

AS/NZS 1112 - ISO 4032

Size	Box	Weight KG/100	Code
M30-3.50	25	22.23	316030
M36-4.00	25	39.01	316036





GRADE 8 HEX NUTS IMPERIAL - Z/P YELLOW (DICHROMATE) ASME/ANSI B18.2.2 - 1987

Size	Box	Weight KG/100	Code
Grade 8 Hex Nuts Imperial Z/P Yellow... Continues			
7/16-14	100	1.29	306056
1/2-13	100	1.70	306058
9/16-12	100	2.65	306060
5/8-11	50	3.33	306062
3/4-10	50	5.40	306064
7/8-9	25	8.62	306066
1-8	25	12.84	306068
1/4-28	100	0.33	306078
5/16-24	100	0.50	306080
3/8-24	100	0.73	306082
7/16-20	100	1.29	306084
1/2-20	100	1.70	306086
9/16-18	100	2.65	306088
5/8-18	50	3.33	306090
3/4-16	50	5.40	306092
7/8-14	25	8.62	306094
1-14	25	12.84	306096



GRADE 8 HEX NUTS IMPERIAL - Z/P CLEAR (TRIVALENT) ASME/ANSI B18.2.2 - 1987

Size	Box	Weight KG/100	Code
1/4-20	100	0.33	328050
5/16-18	100	0.50	328052
3/8-16	100	0.73	328054
7/16-14	100	1.29	328056
1/2-13	100	1.70	328058
9/16-12	100	2.65	328060
5/8-11	50	3.33	328062
3/4-10	50	5.40	328064
7/8-9	25	8.62	328066
1-8	25	12.84	328068
1/4-28	100	0.33	328078
5/16-24	100	0.50	328080
3/8-24	100	0.73	328082
7/16-20	100	1.29	328084
1/2-20	100	1.70	328086
9/16-18	100	2.65	328088
5/8-18	50	3.33	328090
3/4-16	50	5.40	328092
7/8-14	25	8.62	328094
1-14	25	12.84	328096



GRADE C CONELOCK NUTS IMPERIAL - Z/P CLEAR (TRIVALENT) & WAXED AISI C1037, IFI 100/107-2002 CLASS 2B THREAD - PREVAILING TORQUE HARDNESS RC C24-32

Size	Box	Weight KG/100	Code
1/4-20	100	0.31	825110
1/4-28	100	0.31	825120
5/16-18	100	0.45	825130
5/16-24	100	0.45	825140
3/8-16	100	0.66	825150



GRADE C CONELOCK NUTS IMPERIAL - Z/P CLEAR (TRIVALENT) & WAXED AISI C1037, IFI 100/107-2002 CLASS 2B THREAD - PREVAILING TORQUE HARDNESS RC C24-32

Size	Box	Weight KG/100	Code
Grade C Cone Lock Nuts Imperial Z/P Clear & Waxed ... Continues			
3/8-24	100	0.66	825160
7/16-14	100	1.15	825170
7/16-20	100	1.15	825180
1/2-13	100	1.57	825190
1/2-20	100	1.57	825200
9/16-12	50	2.44	825210
9/16-18	50	2.44	825220
5/8-11	50	3.21	825230
5/8-18	50	3.21	825240
3/4-10	50	5.19	825250
3/4-16	50	5.19	825260
7/8-9	25	9.41	825270
7/8-14	25	9.41	825280
1-8	25	11.84	825290
1-14	25	11.84	825300



CLASS 10 CONELOCK NUTS METRIC - Z/P CLEAR (TRIVALENT) & WAXED DIN 980V, DIN 267 PREVAILING TORQUE HARDNESS HV30 272-353

Size	Box	Weight KG/100	Code
M6-1.00	100	0.31	826110
M8-1.25	100	0.44	826130
M10-1.50	100	0.66	826150
M12-1.75	100	1.14	826170
M14-2.00	100	1.57	826190
M16-2.00	50	3.79	826210
M20-2.50	50	6.99	826230
M24-3.00	25	11.90	826250
M30-3.50	10	23.66	826290
M36-4.00	10	40.61	826360



CLASS 6 NYLON INSERT LOCKNUTS METRIC - Z/P CLEAR (TRIVALENT) DIN 985

Size	Box	Weight KG/100	Code
M3-0.50	100	0.07	304008
M4-0.70	100	0.07	304010
M5-0.80	100	0.12	304020
M6-1.00	100	0.23	304030
M8-1.25	100	0.49	304040
M10-1.50	100	1.10	304050
M12-1.75	50	1.45	304060
M14-2.00	50	2.53	304070
M16-2.00	50	3.43	304080
M18-2.50	25	4.63	304090
M20-2.50	25	6.35	304100
M24-3.00	25	10.78	304110
M27-3.00	25	22.14	304120
M30-3.50	25	24.60	304130
M36-4.00	10	42.52	304140
M42-4.50	10	79.84	304150





CLASS 8 NYLON INSERT LOCKNUTS

METRIC - Z/P CLEAR (TRIVALENT)
DIN 985

Size	Box	Weight KG/100	Code
M3-0.50	100	0.07	812008
M4-0.70	100	0.07	812010
M5-0.80	100	0.12	812020
M6-1.00	100	0.23	812030
M8-1.25	100	0.49	812040
M10-1.50	100	1.10	812050
M12-1.75	50	1.45	812060
M14-2.00	50	2.53	812070
M16-2.00	50	3.43	812080
M18-2.50	25	4.63	812090
M20-2.50	25	6.35	812100
M22-2.50	25	7.40	812105
M24-3.00	25	10.78	812110
M27-3.00	25	22.14	812120
M30-3.50	25	24.60	812130
M36-4.00	10	42.52	812140
M42-4.50	10	79.84	812150



GRADE 10 NYLON INSERT LOCKNUTS

METRIC - Z/P CLEAR (TRIVALENT)
DIN 985

Size	Box	Weight KG/100	Code
M6-1.00	100	0.21	312050
M8-1.25	100	0.46	312100
M10-1.00	100	1.04	312150
M10-1.25	100	1.04	312200
M10-1.50	100	1.04	312250
M12-1.25	50	1.58	312300
M12-1.50	50	1.58	312350
M12-1.75	50	1.58	312400
M14-1.50	50	2.40	312450
M14-2.00	50	2.40	312500
M16-1.50	50	3.15	312550
M16-2.00	50	3.15	312600
M18-2.50	25	4.67	312650
M20-2.50	25	6.12	312700
M24-3.00	25	10.23	312750
M30-3.50	25	23.20	312800



GRADE 2 NYLON INSERT LOCKNUTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
IFI 100/107

Size	Series	Box	Weight KG/100	Code
2/56	NM	100	0.06	305002
3/48	NM	100	0.07	305003
4/40	NM	100	0.07	305005
5/40	NM	100	0.07	305007
6/32	NM	100	0.12	305009
8/32	NM	100	0.19	305011
10/24	NM	100	0.23	305013
12/24	NM	100	0.42	305015
6/40	NM	100	0.12	305021
8/36	NM	100	0.19	305023



GRADE 2 NYLON INSERT LOCKNUTS

IMPERIAL - Z/P CLEAR (TRIVALENT)
IFI 100/107

Size	Series	Box	Weight KG/100	Code
Grade 2 Nylon Insert Locknuts Imperial - Z/P Clear... Continues				
10/32	NM	100	0.23	305025
3/48	NTM	100	0.07	305097
4/40	NTM	100	0.06	305099
5/40	NTM	100	0.06	305101
6/32	NTM	100	0.12	305103
8/32	NTM	100	0.19	305105
10/24	NTM	100	0.23	305107
10/32	NTM	100	0.23	305115
1/4-20	NE	100	0.41	305164
5/16-18	NE	100	0.55	305166
3/8-16	NE	100	0.82	305168
7/16-14	NE	100	1.04	305170
1/2-13	NE	100	1.95	305172
9/16-12	NE	100	3.22	305174
5/8-11	NE	50	3.77	305176
1/4-28	NE	100	0.41	305178
5/16-24	NE	100	0.55	305180
3/8-24	NE	100	0.82	305182
7/16-20	NE	100	1.05	305184
1/2-20	NE	100	1.95	305186
9/16-18	NE	100	3.22	305188
5/8-18	NE	50	3.77	305190
3/4-10	NE	50	5.45	305195
7/8-9	NE	25	8.17	305197
1-8	NE	25	12.88	305199
3/4-16	NE	50	5.44	305201
7/8-14	NE	25	8.17	305203
1-14	NE	25	12.89	305205
1 1/8-7	NE	10	31.30	305460
1 1/4-7	NE	10	41.73	305462
1 3/8-6	NE	10	54.44	305464
1 1/2-6	NE	10	68.04	305466
1 1/8-12	NE	10	31.30	305468
1 1/4-12	NE	10	41.73	305470
1 3/8-12	NE	10	54.43	305472
1 1/2-12	NE	10	68.04	305474
1/4-20	NTE	100	0.23	305277
5/16-18	NTE	100	0.54	305279
3/8-16	NTE	100	0.82	305281
7/16-14	NTE	100	1.05	305283
1/2-13	NTE	100	1.95	305285
9/16-12	NTE	100	3.22	305287
5/8-11	NTE	50	3.77	305289
1/4-28	NTE	100	0.41	305291
5/16-24	NTE	100	0.35	305293
3/8-24	NTE	100	0.82	305295
7/16-20	NTE	100	1.05	305297
1/2-20	NTE	100	1.95	305299
9/16-18	NTE	100	3.22	305301
5/8-18	NTE	50	3.77	305303
3/4-10	NTE	50	5.45	305308
7/8-9	NTE	25	8.17	305310
1-8	NTE	25	12.88	305312
3/4-16	NTE	50	5.45	305314
7/8-14	NTE	25	8.17	305316
1-14	NTE	25	12.88	305318
1 1/8-7	NTE	10	8.62	305476
1 1/4-7	NTE	10	12.25	305478
1 3/8-6	NTE	10	14.97	305480
1 1/2-6	NTE	10	19.51	305482
1 1/8-12	NTE	10	8.62	305484



GRADE 2 NYLON INSERT LOCKNUTS IMPERIAL - Z/P CLEAR (TRIVALENT) IFI 100/107



GRADE C NYLON INSERT LOCKNUTS IMPERIAL - PHOSPHATE & OIL IFI 100/107 CLASS 2B THREAD HARDNESS RC C25-34

Size	Series	Box	Weight KG/100	Code
------	--------	-----	------------------	------

Grade 2 Nylon Insert Locknuts Imperial - Z/P Clear... Continues

1 1/4-12	NTE	10	12.25	305486
1 3/8-12	NTE	10	14.97	305488
1 1/2-12	NTE	10	19.51	305490
1/4-20	NU	100	0.41	305394
5/16-18	NU	100	0.55	305396
3/8-16	NU	100	0.82	305398
7/16-14	NU	100	1.04	305400
1/2-13	NU	100	1.95	305402
9/16-12	NU	100	3.22	305405
5/8-11	NU	50	3.77	305407
3/4-10	NU	50	5.44	305409
7/8-9	NU	25	15.42	305411
1-8	NU	25	21.78	305413
1 1/8-7	NU	10	31.30	305494
1 1/4-7	NU	10	41.73	305496
1 3/8-6	NU	10	54.43	305498
1 1/2-6	NU	10	68.04	305500
1 3/4-5	NU	5	108.87	305502
2-4 1/2	NU	5	140.62	305504
1/4-20	NTU	100	0.41	305437
5/16-18	NTU	100	0.55	305439
3/8-16	NTU	100	0.82	305441
7/16-14	NTU	100	1.05	305443
1/2-13	NTU	100	1.95	305446
9/16-12	NTU	100	3.22	305448
5/8-11	NTU	50	3.77	305450
3/4-10	NTU	50	5.45	305452
7/8-9	NTU	25	15.43	305454
1-8	NTU	25	21.78	305456
1 1/8-7	NTU	10	19.51	305508
1 1/4-7	NTU	10	25.86	305510
1 3/8-6	NTU	10	31.75	305512
1 1/2-6	NTU	10	43.10	305514
1 3/4-5	NTU	5	63.51	305516
2-4 1/2	NTU	5	90.72	305518
2 1/4-4 1/2	NTU	5	90.72	305520
1/2-12	BSW	100	1.95	305901

NM - Numbered Machine Screw Sizes
NTM - Numbered Thin Machine Screw Sizes
NE - Regular Hex Standard Height
NTE - Regular Hex Thin Height
NU - Heavy Hex Standard Height
NTU - Heavy Hex Thin Height
BSW - BSW Thread

Size	Box	Weight KG/100	Code
------	-----	------------------	------

1/4-20	100	0.41	828110
1/4-28	100	0.41	828120
5/16-18	100	0.54	828130
5/16-24	100	0.54	828140
3/8-16	100	0.82	828150
3/8-24	100	0.82	828160
7/16-14	100	1.04	828170
7/16-20	100	1.04	828180
1/2-13	100	1.95	828190
1/2-20	100	1.95	828200
9/16-12	100	3.22	828210
9/16-18	100	3.22	828220
5/8-11	50	3.77	828230
5/8-18	50	3.77	828240
3/4-10	50	5.44	828250
3/4-16	50	5.44	828260
7/8-9	25	8.62	828270
7/8-14	25	8.62	828280
1-8	25	12.25	828290
1-14	25	12.25	828300
1 1/8-7	10	18.60	828310
1 1/8-12	10	18.60	828370
1 1/4-7	10	26.31	828320
1 1/4-12	10	26.31	828380
1 3/8-6	10	34.93	828330
1 3/8-12	10	34.93	828390
1 1/2-6	10	45.36	828340
1 1/2-12	10	45.36	828400



GRADE C NYLON INSERT LOCKNUTS IMPERIAL - Z/P CLEAR (TRIVALENT) IFI 100/107 CLASS 2B THREAD HARDNESS RC C25-34

Size	Box	Weight KG/100	Code
------	-----	------------------	------

1/4-20	100	0.41	829110
1/4-28	100	0.41	829120
5/16-18	100	0.54	829130
5/16-24	100	0.54	829140
3/8-16	100	0.82	829150
3/8-24	100	0.82	829160
7/16-14	100	1.04	829170
7/16-20	100	1.04	829180
1/2-13	100	1.95	829190
1/2-20	100	1.95	829200
9/16-12	100	3.22	829210
9/16-18	100	3.22	829220
5/8-11	50	3.77	829230
5/8-18	50	3.77	829240
3/4-10	50	5.60	829250
3/4-16	50	5.60	829260
7/8-9	25	8.62	829270
7/8-14	25	8.62	829280
1-8	25	12.25	829290
1-14	25	12.25	829300





METRIC HARDENED FLAT WASHERS

Z/P CLEAR (TRIVALENT)

ASME B18.22M-1981 NARROW

HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
M5	100	0.05	371040
M6	100	0.10	371060
M8	100	0.28	371080
M10	100	0.30	371100



METRIC HARDENED FLAT WASHERS

Z/P CLEAR (TRIVALENT)

ASTM F436M - 1995

HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
M12	100	1.31	371120/373021
M14	100	1.58	371140/373023
M16	50	2.03	371160/373025
M18	50	2.67	371180/373026
M20	50	3.16	371200/373027
M24	25	4.43	371240/373029



METRIC HARDENED FLAT WASHERS PLAIN

ASTM F436M - 1995

HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
M30	25	5.25	372300/374033
M36	25	7.74	372360/374035



METRIC HARDENED SPRING WASHERS

Z/P CLEAR (TRIVALENT)

DIN 127B

HARDNESS RC 44-51

Size	Box	Weight KG/100	Code
M5	100	0.05	361040
M6	100	0.10	361060
M8	100	0.17	361080
M10	100	0.27	361100
M12	100	0.59	361120
M14	100	0.60	361140
M16	50	1.09	361160
M18	50	1.09	361180
M20	50	1.82	361200
M24	25	3.99	361240



IMPERIAL SAE HARDENED FLAT WASHERS PLAIN

ASME B18.22.1 - 1965
MIL CARB HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
1/4	100	0.21	375050
5/16	100	0.23	375100
3/8	100	0.33	375150
7/16	100	0.41	375200
1/2	100	0.83	375250
9/16	100	1.06	375300
5/8	50	1.74	375350
3/4	50	2.02	375400
7/8	50	3.03	375450
1	50	4.06	375500
1 1/8	25	5.04	382550/375550
1 1/4	25	6.26	382600/375600
1 3/8	10	7.85	382650/375650
1 1/2	10	9.48	382700/375700
1 3/4	10	15.11	382750/375750
2	10	18.15	382800/375800



IMPERIAL SAE HARDENED FLAT WASHERS Z/P YELLOW (DICHROMATE)

ASME B18.22.1 - 1965
MIL CARB HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
1/4	100	0.21	381050/383050
5/16	100	0.23	381100/383100
3/8	100	0.33	381150/383150
7/16	100	0.41	381200/383200
1/2	100	0.83	381250/383250
9/16	100	1.06	381300/383300
5/8	50	1.74	381350/383350
3/4	50	2.02	381400/383400
7/8	50	3.03	381450/383450
1	50	4.06	381500/383500



IMPERIAL SAE HARDENED FLAT WASHERS Z/P CLEAR (TRIVALENT)

ASME B18.22.1 - 1965
MIL CARB HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
1/4	100	0.21	376050
5/16	100	0.23	376100
3/8	100	0.33	376150
7/16	100	0.41	376200
1/2	100	0.83	376250
9/16	100	1.06	376300
5/8	50	1.74	376350
3/4	50	2.02	376400
7/8	50	3.03	376450
1	50	4.06	376500



IMPERIAL USS (OVERSIZE) HARDENED FLAT WASHERS Z/P YELLOW (DICHROMATE)

ASME B18.22.1 - 1965
MIL CARB HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
1/4	100	0.29	351050/353050
5/16	100	0.45	351100/353100
3/8	100	0.59	351150/353150
7/16	100	0.95	351200/353200
1/2	100	1.72	351250/353250
9/16	100	2.04	351300/353300
5/8	50	3.49	351350/353350
3/4	50	4.54	351400/353400
7/8	50	6.26	351450/353450
1	50	7.67	351500/353500



IMPERIAL USS (OVERSIZE) HARDENED FLAT WASHERS PLAIN

ASME B18.21.1 - 1965
MIL CARB HARDNESS RC 38-45

Size	Box	Weight KG/100	Code
1 1/8	25	8.98	352550/354550
1 1/4	25	10.62	352600/354600
1 3/8	10	12.29	352650/354650
1 1/2	10	14.34	352700/354700



IMPERIAL SAE HARDENED SPRING WASHERS PLAIN

ASME B18.21.1 - 1999
HARDNESS RC 38-46

Size	Box	Weight KG/100	Code
1/4	100	0.10	358050
5/16	100	0.17	358100
3/8	100	0.27	358150
7/16	100	0.41	358200
1/2	100	0.59	358250
9/16	100	0.80	358300
5/8	50	1.09	358350
3/4	50	1.81	358400
7/8	50	2.72	358450
1	50	3.99	358500
1 1/8	25	5.44	342550
1 1/4	25	7.62	342600
1 3/8	10	9.53	342650
1 1/2	10	12.79	342700



IMPERIAL SAE HARDENED SPRING WASHERS

Z/P YELLOW (DICHROMATE)

ASME B18.21.1 - 1999

HARDNESS RC 38-46

Size	Box	Weight KG/100	Code
1/4	100	0.10	341050/340050
5/16	100	0.17	341100/340100
3/8	100	0.27	341150/340150
7/16	100	0.41	341200/340200
1/2	100	0.59	341250/340250
9/16	100	0.80	341300/340300
5/8	50	1.09	341350/340350
3/4	50	1.81	341400/340400
7/8	50	2.72	341450/340450
1	50	3.99	341500/340500



IMPERIAL SAE HARDENED SPRING WASHERS

Z/P CLEAR (TRIVALENT)

SME B18.21.1 - 1999

HARDNESS RC 38-46

Size	Box	Weight KG/100	Code
1/4	100	0.10	359050
5/16	100	0.17	359100
3/8	100	0.27	359150
7/16	100	0.41	359200
1/2	100	0.59	359250
9/16	100	0.80	359300
5/8	50	1.09	359350
3/4	50	1.81	359400
7/8	50	2.72	359450
1	50	3.99	359500





ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE
180,000 MIN PSI TENSILE STRENGTH



ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE
180,000 MIN PSI TENSILE STRENGTH

Diameter	Length	Box	Weight KG/100	Code
1/4" UNC 20 TPI	1/2	100	0.60	440002
	3/4	100	0.68	440006
	1	100	0.80	440010
	1 1/4	100	0.98	440012
	1 1/2	100	1.17	440014
	1 3/4	100	1.32	440016
	2	100	1.48	440018
	2 1/2	100	1.79	440022
	3	100	2.10	440026
1/4" UNF 28 TPI	1/2	100	0.62	440044
	3/4	100	0.75	440048
	1	100	0.85	440052
	1 1/4	100	1.05	440054
	1 1/2	100	1.21	440056
	1 3/4	100	1.32	440058
	2	100	1.52	440060
	2 1/2	100	1.83	440064
	3	100	2.15	440068
5/16" UNC 18 TPI	1/2	100	0.94	440086
	3/4	100	1.12	440090
	1	100	1.31	440094
	1 1/4	100	1.55	440096
	1 1/2	100	1.77	440098
	1 3/4	100	1.99	440100
	2	100	2.25	440102
	2 1/2	100	2.73	440106
	3	100	3.32	440110
	3 1/2	50	3.81	440114
	4	50	4.30	440118
5/16" UNF 24 TPI	1/2	100	0.97	440128
	3/4	100	1.16	440132
	1	100	1.36	440136
	1 1/4	100	1.60	440138
	1 1/2	100	1.86	440140
	1 3/4	100	2.08	440142
	2	100	2.31	440144
	2 1/2	100	2.89	440148
	3	100	2.99	440152
3/8" UNC 16 TPI	1/2	100	1.42	440170
	3/4	100	1.69	440174
	1	100	1.96	440178
	1 1/4	100	2.24	440180
	1 1/2	100	2.59	440182
	1 3/4	100	2.99	440184
	2	100	3.29	440186
	2 1/4	50	3.77	440188
	2 1/2	50	4.12	440190
	3	50	4.72	440194
	3 1/2	50	5.37	440198
	4	50	6.05	440202
	4 1/2	50	6.76	440204
	5	50	7.64	440206
	6	50	8.75	440210
3/8" UNF 24 TPI	3/4	100	1.74	440216
	1	100	2.07	440220
	1 1/4	100	2.45	440222

Diameter	Length	Box	Weight KG/100	Code
3/8" UNF 24TPI... Continues				
	1 1/2	100	2.80	440224
	1 3/4	100	3.15	440226
	2	100	3.51	440228
	2 1/4	50	3.86	440230
	2 1/2	50	4.21	440232
	3	50	4.91	440236
	3 1/2	50	5.62	440240
	4	50	6.32	440244
7/16" UNC 14 TPI	3/4	100	2.37	440254
	1	100	2.88	440258
	1 1/4	50	3.11	440260
	1 1/2	50	3.57	440262
	1 3/4	50	4.03	440264
	2	50	4.48	440266
	2 1/2	50	5.67	440270
	3	50	6.63	440274
	3 1/2	25	7.59	440278
	4	25	8.55	440282
	5	25	10.47	440286
	6	25	12.40	440290
7/16" UNF 20 TPI	1	100	2.99	440296
	1 1/4	50	3.41	440298
	1 1/2	50	3.89	440300
	1 3/4	50	4.37	440302
	2	50	4.85	440304
	2 1/2	50	5.81	440308
	3	50	6.77	440312
	3 1/2	25	7.73	440316
	4	25	8.69	440320
1/2" UNC 13 TPI	3/4	50	3.57	440330
	1	50	4.11	440334
	1 1/4	50	4.64	440336
	1 1/2	50	5.08	440338
	1 3/4	50	5.62	440340
	2	50	6.37	440342
	2 1/4	50	6.99	440344
	2 1/2	50	7.60	440346
	3	50	8.75	440350
	3 1/2	25	9.97	440354
	4	25	11.29	440358
	4 1/2	25	12.47	440360
	5	25	13.64	440362
	6	25	16.10	440366
	7	25	18.71	440370
	8	25	21.02	440374
1/2" UNF 20 TPI	1	50	4.22	440380
	1 1/4	50	4.80	440382
	1 1/2	50	5.30	440384
	1 3/4	50	6.01	440386
	2	50	6.63	440388
	2 1/4	50	7.75	440390
	2 1/2	50	7.79	440392
	3	50	9.07	440396
	3 1/2	25	10.30	440400
	4	25	11.35	440404
	4 1/2	25	12.53	440406



ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE

180,000 MIN PSI TENSILE STRENGTH



ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE

180,000 MIN PSI TENSILE STRENGTH

Diameter	Length	Box	Weight KG/100	Code
1/2" UNF 20TPI... Continues				
	5	25	13.85	440408
	6	25	16.87	440412
	7	25	19.65	440416
	8	25	22.15	440420
9/16" UNC 12 TPI				
	1	25	5.26	440422
	1 1/2	25	6.60	440426
	2	25	8.05	440430
	2 1/2	25	10.03	440434
	3	25	11.63	440438
	3 1/2	25	13.21	440440
	4	25	14.80	440442
	5	25	17.98	440446
9/16" UNF 18 TPI				
	1 1/2	25	7.14	440456
	2	25	8.24	440460
	2 1/2	25	10.13	440464
	3	25	11.55	440468
	3 1/2	25	13.14	440470
	4	25	15.08	440472
5/8" UNC 11 TPI				
	1	25	7.22	440482
	1 1/4	25	7.97	440484
	1 1/2	25	8.75	440486
	1 3/4	25	9.80	440488
	2	25	10.61	440490
	2 1/4	25	11.63	440492
	2 1/2	25	12.57	440494
	2 3/4	25	13.58	440496
	3	25	14.55	440498
	3 1/2	25	16.49	440502
	4	25	18.35	440506
	4 1/2	25	20.19	440508
	5	25	22.11	440510
	5 1/2	25	24.78	440512
	6	25	26.74	440514
	7	25	30.01	440518
	8	25	33.82	440522
	9	25	37.58	440850
	10	25	41.39	440852
	11	25	45.20	440854
	12	25	49.01	440856
5/8" UNF 18 TPI				
	1	25	7.90	440524
	1 1/4	25	8.48	440526
	1 1/2	25	9.64	440528
	1 3/4	25	10.56	440530
	2	25	11.54	440532
	2 1/4	25	12.52	440534
	2 1/2	25	13.16	440536
	2 3/4	25	13.86	440538
	3	25	14.96	440540
	3 1/2	25	16.96	440544
	4	25	18.87	440548
	4 1/2	25	20.79	440550
	5	25	23.27	440552
	5 1/2	25	25.22	440554
	6	25	27.18	440556
	7	25	31.08	440560
	8	25	34.98	440564
	9	25	38.88	440566

Diameter	Length	Box	Weight KG/100	Code
3/4" UNC 10 TPI				
	1 1/2	20	14.74	440570
	1 3/4	20	15.31	440572
	2	20	16.50	440574
	2 1/4	20	17.72	440576
	2 1/2	20	19.09	440578
	2 3/4	20	21.45	440580
	3"	20	21.80	440582
	3 1/2	20	24.72	440586
	4	20	27.44	440590
	4 1/2	20	31.33	440592
	5	20	34.15	440594
	5 1/2	20	36.97	440596
	6	20	38.66	440598
	7	20	44.43	440602
	8	10	49.82	440606
	9	20	55.27	440860
	10	15	60.71	440862
	11	15	66.15	440864
	12	15	71.60	440866
3/4" UNF 16 TPI				
	1 1/2	20	14.51	440612
	1 3/4	20	16.52	440614
	2	20	17.07	440616
	2 1/4	20	19.27	440618
	2 1/2	20	19.60	440620
	2 3/4	20	22.09	440622
	3	20	22.67	440624
	3 1/2	20	26.33	440628
	4	20	29.15	440632
	4 1/2	20	31.97	440634
	5	20	34.79	440636
	5 1/2	20	37.61	440638
	6	20	40.43	440640
	7	20	46.08	440644
	8	20	51.72	440648
	9	20	57.36	440870
	10	15	63.01	440872
	11	15	68.65	440874
	12	15	74.29	440875
7/8" UNC 9 TPI				
	2	15	23.80	440650
	2 1/2	15	28.89	440654
	3	15	31.15	440658
	3 1/2	15	36.51	440662
	4	15	40.40	440666
	4 1/2	15	44.24	440668
	5	15	48.08	440670
	5 1/2	15	51.91	440672
	6	15	55.75	440674
	7	15	62.37	440678
	8	15	69.63	440680
	9	15	77.34	440880
	10	15	84.60	440882
	11	10	91.85	440884
	12	10	99.11	440886
7/8" UNF 14 TPI				
	2	15	24.81	440682
	2 1/2	15	28.30	440686
	3	15	33.65	440690
	3 1/2	15	37.49	440694





ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE
180,000 MIN PSI TENSILE STRENGTH



ALLOY L9® HEXAGON BOLTS

IMPERIAL - Z/P YELLOW DICHROMATE
180,000 MIN PSI TENSILE STRENGTH

Diameter	Length	Box	Weight KG/100	Code
7/8" UNF 14TPI... Continues				
	4	15	41.33	440698
	4 1/2	15	43.91	440700
	5	15	47.81	440702
	5 1/2	15	52.84	440704
	6	15	54.85	440706
	7	15	64.35	440710
	8	15	72.03	440712
	9	15	79.70	440890
	10	15	87.37	440892
	11	10	95.04	440894
	12	10	102.71	440896
1" UNC 8 TPI				
	2	10	33.38	440714
	2 1/2	10	37.74	440718
	3	10	40.39	440722
	3 1/2	10	46.89	440726
	4	10	52.02	440728
	4 1/2	10	56.34	440730
	5	10	62.82	440732
	5 1/2	10	69.76	440734
	6	10	70.94	440736
	7	10	83.75	440740
	8	10	93.73	440742
	9	8	103.26	440901
	10	8	113.24	440902
	11	8	123.22	440903
	12	8	133.20	440904
1" UNF 14 TPI				
	2 1/2	10	40.92	440748
	3	10	43.61	440752
	3 1/2	10	47.76	440756
	4	10	52.79	440758
	4 1/2	10	60.95	440760
	5	10	64.12	440762
	5 1/2	10	70.97	440764
	6	10	75.98	440766
	7	10	85.59	440770
	8	10	95.60	440772
	9	8	105.62	440970
	10	8	115.62	440906
	11	8	125.62	440907
	12	8	90.26	440908
1 1/8" UNC 7 TPI				
	3	16	58.89	440909
	3 1/2	12	65.24	440910
	4	12	71.59	440911
	4 1/2	12	77.96	440912
	5	8	84.33	440913
	6	8	97.03	440914
	7	8	106.60	440915
	8	8	122.48	440975
	10	8	147.93	440916
1 1/8" UNF 12 TPI				
	3	16	61.02	440917
	3 1/2	12	67.37	440918
	4	12	73.72	440919
	4 1/2	12	74.99	440920
	5	8	86.47	440921
	6	8	99.17	440922
	7	8	111.87	440923

Diameter	Length	Box	Weight KG/100	Code
1 1/8" UNF 12TPI... Continues				
	8	8	124.61	440924
	10	8	150.06	440925
1 1/4" UNC 7 TPI				
	3	12	72.35	440926
	3 1/2	8	76.56	440927
	4	8	87.09	440928
	4 1/2	8	96.18	440929
	5	6	101.01	440930
	5 1/2	6	108.61	440931
	6	6	116.12	440932
	7	6	138.68	440933
	8	6	154.33	440934
	9	6	170.02	440935
	10	6	185.72	440936
	11	4	201.41	440937
	12	4	217.11	440938
1 1/4" UNF 12 TPI				
	3	12	78.62	440939
	3 1/2	8	86.42	440940
	4	8	94.27	440941
	4 1/2	8	98.84	440942
	5	6	109.97	440943
	5 1/2	6	111.11	440944
	6	6	118.43	440945
	7	6	141.31	440946
	8	6	157.00	440947
	9	6	172.65	440948
	10	6	188.35	440949
	11	4	204.04	440950
	12	4	219.74	440951
1 1/2" UNC 6 TPI				
	4	5	129.58	440952
	5	5	151.73	440953
	6	5	174.07	440954
	7	4	197.20	440955
	8	4	218.64	440956
	10	4	263.09	440957
	12	3	307.65	440958
1 1/2" UNF 12 TPI				
	4	5	131.65	440959
	5	5	154.16	440960
	6	5	176.85	440961
	7	4	200.36	440962
	8	4	222.13	440964
	10	4	267.30	440968
	12	3	312.58	440972



IMPERIAL L9® HEX NUTS

Z/P YELLOW DICHROMATE CAD & WAXED



IMPERIAL L9® TENSION FLAT WASHERS

Z/P YELLOW DICHROMATE CAD & WAXED

Size	Box	Weight KG/100	Code
1/4-20	100	0.40	444002
5/16-18	100	0.56	444004
3/8-16	100	0.80	444006
7/16-14	50	1.51	444008
1/2-13	50	1.94	444010
9/16-12	25	3.07	444012
5/8-11	25	3.81	444014
3/4-10	20	6.58	444016
7/8-9	15	10.43	444018
1-8	10	15.47	444020
1 1/8-7	8	22.54	444104
1 1/4-7	8	30.67	444110
1 1/2-6	5	48.00	444116
1/4-28	100	0.40	444022
5/16-24	100	0.56	444024
3/8-24	100	0.80	444026
7/16-20	50	1.51	444028
1/2-20	50	1.94	444030
9/16-18	25	3.07	444032
5/8-18	25	3.81	444034
3/4-16	20	6.58	444036
7/8-14	15	10.43	444038
1-14	10	15.47	444040
1 1/8-12	8	22.55	444128
1 1/4-12	8	30.66	444134
1 1/2-12	5	48.00	444140

Size	Box	Weight KG/100	Code
1/4	100	0.24	448002
5/16	100	0.28	448004
3/8	100	0.39	448006
7/16	50	0.72	448008
1/2	50	1.01	448010
9/16	50	1.31	448012
5/8	50	1.49	448014
3/4	40	2.27	448016
7/8	30	3.08	448018
1	20	3.79	448020
1 1/8	20	4.88	448022
1 1/4	12	7.26	448024
1 1/2	10	11.00	448026



IMPERIAL L9® STOVER LOCKNUTS

Z/P YELLOW DICHROMATE CAD & WAXED

Size	Box	Weight KG/100	Code
1/4-20	100	0.35	446002
5/16-18	100	0.48	446004
3/8-16	100	0.70	446006
7/16-14	50	1.22	446008
1/2-13	50	1.58	446010
9/16-12	25	2.54	446012
5/8-11	25	3.10	446014
3/4-10	20	5.31	446016
7/8-9	15	8.59	446018
1-8	10	13.16	446020
1 1/8-7	8	19.19	446022
1 1/4-7	6	25.67	446024
1 1/2-6	5	41.66	446026
1/4-28	100	0.35	446052
5/16-24	100	0.48	446054
3/8-24	100	0.70	446056
7/16-20	50	1.22	446058
1/2-20	50	1.58	446060
9/16-18	25	2.54	446062
5/8-18	25	3.10	446064
3/4-16	20	5.31	446066
7/8-14	15	8.59	446068
1-14	10	13.16	446070
1 1/8-12	8	19.19	446072
1 1/4-12	6	25.67	446074
1 1/2-12	5	41.66	446078





CLASS 8.8 STRUCTURAL ASSEMBLIES

METRIC - HOT DIP GALVANISED
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY



CLASS 8.8 STRUCTURAL ASSEMBLIES

METRIC - HOT DIP GALVANISED
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY

Diameter	Length (mm)	Thread Length (mm)	Box	Weight KG/100	Code
M12	30	20	200	7.90	952050
	35	25	200	8.30	952053
	40	30	150	8.70	952056
	45	30	150	9.00	952062
	50	30	150	9.50	952059
	60	30	150	10.30	952065
	70	30	150	11.10	952068
	75	30	150	11.50	952071
	80	30	100	11.90	952074
	90	30	100	12.70	952077
	100	30	100	13.50	952080
	110	30	75	14.30	952083
	120	30	75	15.10	952086
	130	36	75	15.90	952089
	140	36	75	16.70	952092
	150	36	75	17.50	952095
M16	40	26	100	17.80	952170
	45	31	100	18.60	952173
	50	36	100	19.40	952176
	55	38	100	20.20	952179
	60	38	100	21.00	952182
	65	38	75	21.80	952185
	70	38	75	22.60	952188
	75	38	75	23.00	952191
	80	38	75	23.80	952194
	90	38	75	25.40	952197
	100	38	75	27.00	952200
	110	38	50	28.60	952203
	120	38	50	30.20	952206
	130	44	50	31.80	952209
	140	44	50	33.40	952212
	150	44	50	35.00	952215
	160	44	50	36.60	952218
	170	44	50	38.20	952221
	180	44	50	39.80	952224
	190	44	35	41.40	952227
	200	44	35	43.00	952230
	220	57	35	46.20	952233
	240	57	35	49.40	952236
	250	57	35	51.00	952239
	270	57	35	54.20	952242
	300	100	25	59.00	952245
	350	120	25	67.00	952248
	400	120	25	75.00	952251
	500	120	15	91.00	952254
	600	120	15	107.00	952257
M20	40	23	75	28.05	952320
	45	28	75	29.45	952323
	50	33	50	30.85	952326
	55	38	50	32.15	952329
	60	43	50	33.35	952332
	65	46	50	34.65	952335
	70	46	50	35.85	952338
	75	46	50	37.15	952341
	80	46	50	38.35	952344
	85	46	50	39.65	952347
	90	46	40	40.25	952350
	100	46	40	42.75	952353
	110	46	40	45.25	952356

Diameter	Length (mm)	Thread Length (mm)	Box	Weight KG/100	Code
M20... Continues					
	120	46	30	47.75	952359
	130	52	30	50.25	952362
	140	52	30	52.75	952365
	150	52	30	55.25	952368
	160	52	30	57.75	952371
	180	52	25	62.75	952374
	190	52	25	65.25	952377
	200	52	25	67.75	952380
	210	65	25	70.25	952383
	220	65	25	72.75	952386
	240	65	20	77.75	952389
	250	65	20	80.25	952392
	275	65	20	87.65	952395
	300	100	15	94.15	952398
	350	120	15	108.05	952401
	400	120	15	121.95	952404
	500	120	10	146.15	952407
	600	120	10	170.35	952410
M24	50	29	30	55.60	952506
	55	34	30	57.40	952509
	60	39	30	59.20	952512
	65	44	30	61.00	952515
	70	49	30	62.80	952518
	75	54	30	64.60	952521
	80	54	30	66.40	952524
	85	54	30	68.20	952527
	90	54	25	70.30	952530
	100	54	25	72.40	952533
	110	54	20	76.00	952536
	120	54	20	79.60	952539
	130	60	20	83.20	952542
	140	60	20	86.80	952545
	150	60	20	90.40	952548
	160	60	20	93.95	952551
	170	60	20	97.50	952554
	180	60	15	101.10	952557
	200	60	15	108.30	952560
	210	73	15	111.90	952563
	220	73	15	115.50	952566
	230	73	15	119.10	952569
	250	73	15	126.30	952572
	260	73	15	129.90	952575
	280	73	15	137.10	952578
	300	120	10	144.30	952581
	330	120	10	155.10	952584
	350	120	10	162.30	952587
	390	120	10	176.70	952590
	400	120	10	180.30	952593
	415	120	10	185.70	952596
	450	120	10	198.30	952599
	500	120	10	216.30	952602
	550	120	5	234.30	952605
	600	120	5	252.30	952608
M30	75	50	15	110.00	952716
	80	55	15	112.80	952719
	85	60	15	115.60	952722
	90	65	15	118.40	952725
	100	66	15	123.70	952728



CLASS 8.8 STRUCTURAL ASSEMBLIES

METRIC - HOT DIP GALVANISED
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY



CLASS 8 STRUCTURAL NUTS

METRIC - PLAIN
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY

Diameter	Length (mm)	Thread Length (mm)	Box	Weight KG/100	Code
M30... Continues					
	110	66	10	129.30	952731
	120	66	10	134.90	952734
	130	72	10	140.50	952737
	140	72	10	146.00	952740
	150	72	10	151.50	952743
	160	72	10	157.30	952746
	170	72	10	162.70	952749
	180	72	8	168.90	952752
	190	72	8	174.50	952755
	200	72	8	180.10	952758
	220	85	8	191.30	952761
	260	85	8	213.70	952764
	280	85	8	224.90	952767
	300	100	8	236.10	952770
	400	120	8	292.10	952773
	500	120	5	348.10	952776
M36	90	60	8	191.60	952779
	100	70	8	199.30	952782
	120	78	8	215.30	952785
	130	84	8	223.30	952788
	140	84	8	231.30	952791
	150	84	8	239.30	952794
	160	84	5	247.30	952797
	170	84	5	255.30	952800
	180	84	5	263.30	952803
	190	84	5	271.30	952806
	200	84	5	279.30	952809
	220	97	5	295.30	952812
	240	97	5	311.30	952815
	260	97	5	327.30	952818
	280	97	5	343.30	952821
	300	100	5	359.30	952824
	400	120	3	439.30	952827
	500	120	3	519.30	952830



CLASS 8 STRUCTURAL ASSEMBLIES

METRIC - HOT DIP GALVANISED
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY

Size	Box	Weight KG/100	Code
M12-1.75	500	2.52	339011
M16-2.00	450	5.45	339015
M20-2.50	250	9.00	339019
M24-3.00	100	19.60	339023
M30-3.50	50	34.90	339027
M36-4.00	25	60.50	339031

Size	Box	Weight KG/100	Code
M12-1.75	500	2.52	339111
M16-2.00	450	5.45	339115
M20-2.50	250	9.00	339119
M24-3.00	100	19.60	339123
M30-3.50	50	34.90	339127
M36-4.00	25	60.50	339131



STRUCTURAL WASHERS

METRIC - HOT DIP GALVANISED
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY

Size	Box	Weight KG/100	Code	List Price Per 100	O/D (mm)	I/D (mm)	Thickness (mm)
M12	1000	1.19	362011	\$55.20	25.70	14.00	3.10
M16	800	1.85	362015	\$38.40	32.40	18.00	3.10
M20	500	2.45	362019	\$50.40	37.40	22.00	3.10
M24	350	4.30	362027	\$84.00	48.40	26.00	3.40
M30	250	5.60	362035	\$132.00	58.10	33.00	3.40
M36	200	8.50	362039	\$264.00	70.10	39.00	3.40



STRUCTURAL WASHERS

METRIC - PLAIN
AS 1252 - 1983 DIMENSIONS, 1996 MECH. PROPERTY

Size	Box	Weight KG/100	Code	List Price Per 100	O/D (mm)	I/D (mm)	Thickness (mm)
M12	1000	1.19	362111	\$44.40	25.70	14.00	3.10
M16	800	1.85	362115	\$33.60	32.40	18.00	3.10
M20	500	2.45	362119	\$45.60	37.40	22.00	3.10
M24	350	4.30	362127	\$73.20	48.40	26.00	3.40
M30	250	5.60	362135	\$115.20	58.10	33.00	3.40
M36	200	8.50	362139	\$220.80	70.10	39.00	3.40





**BRIGHTON-BEST
INTERNATIONAL
(AU) PTY. LTD**

Dear Valued Customers

Thank you for choosing Brighton Best as your fastener supplier. This new catalogue format will help you quickly select the right products from our extensive range of quality fasteners.

Brighton Best has been servicing the fastener industry for 85 years. Brighton Best Hi-Tensile products are manufactured and tested to the highest quality standards, using the latest technology. Factory sealed packaging carries a clear pictorial description of size, type, barcode, material and quantity to provide complete product traceability.

Brighton Best operates an A2LA approved testing laboratory, using the most advanced fastener inspection equipment available. This facility is available to all customers, worldwide.

As part of a worldwide distribution network, large stocks of Brighton Best Hi-Tensile products are held in Melbourne, Sydney, Brisbane, Perth and Auckland to ensure reliability of supply and excellence in service to customers.

TERMS & CONDITIONS

Guarantee	All Brighton Best International Inc. products are manufactured to rigid quality control standards which meet or exceed industry standards. Records and tests pertaining to the rigid specifications of Brighton-Best International Company are on file and available upon request.
Payment	Net 30 days term.
Plating	All plating charges are extra on request. Fasteners plated by sources other than BBI are not guaranteed and not subject to return.
Modification	Fasteners which are modified or altered in any way by sources other than BBI are not guaranteed and not subject to return. Any product that has been specially manufactured can not be returned for credit.
Claims	Must be processed within 30 days of invoice date. In the event any goods to be furnished are claimed to be defective, BBI shall be given ample opportunity for inspection. Samples of such goods must be furnished to BBI within 30 days of the claim. BBI shall be liable only to replace defective goods or to allow credit for such items.
Returns	All sales are final. However, goods may be returned upon BBI's written approval with a return authorization number within 30 days of the shipment. Once a return authorization number is issued there are 15 days to return the goods. All returned goods must be BBI boxes with the original lot number identification, and in a resalable condition. Broken boxes are not subject to return. Returns may be subject to a 15% or \$10 restocking fee (whichever is greater). Customer assumes full responsibility for any damaged or lost material (including filing of any and all freight claims with the carrier) for shipments with terms of delivery of "Collect" or "3rd Party". Damage/discrepancy on any BBI paid shipment must be reported within 7 days from the day of (ie. signing of the proof of delivery) and unaltered before carrier's inspection. If customer fails to comply with the policy, BBI is not responsible for the damage/discrepancy.
Sales	All prices are subject to change without notice. All written quotations are based on market conditions and the prices are valid as stipulated on the BBI quotation form. While all care has been taken in producing this catalogue, Brighton-Best accepts no responsibility for any errors or omissions.

LIMITED WARRANTY AND EXCLUSIVE REMEDY

Brighton Best International Pty Ltd warrants that the products in this catalogue conform to industry standards as noted herein. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ANY AND ALL OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN LIEU OF ANY OTHER OBLIGATION ON THE PART OF BRIGHTON BEST INTERNATIONAL PTY LTD. Brighton Best International Pty Ltd will replace free of charge (excluding all shipping and handling costs) any products which have not been produced in accordance with these industry standards. This warranty shall not extend to include any products which have been plated, modified, misused or abused by the user. Brighton Best International Pty Ltd at its sole discretion, shall determine compliance with the warranty set forth above. THE REMEDY PROVIDED FOR HEREIN SHALL BE THE EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY OR ANY CLAIM ARISING IN ANY WAY OUT OF THE MANUFACTURE, SALE OR USE OF THESE PRODUCTS. In no event shall Brighton Best International Pty Ltd be liable for consequential, incidental or any other damages of any nature whatsoever, except as set forth herein for any breach of warranty or any claim arising in any way out of the manufacture, sale or use of these products. This warranty shall be the sole warranty, expressed or implied.





www.brighton**best**.com

Your one stop shop...24/7

Five key points of interest

Accessibility

The Brighton Best web site offers accessibility to check inventories and pricing and place orders "real time" 24 hours a day, 7 days a week. This enables our customers the ability to provide their customers with immediate pricing and availability.

Simplicity

A series of easy entry steps gives our customers the ability to quote on-line via the Brighton Best web site. Our site is user-friendly and intuitive, allowing customers with quick access to pricing and inventory information without redundant phone, fax or entry tasks.

Purchase Order and Invoice Inquiry

The BBI web site allows our customers to monitor order status, track and/or expedite order and shipments on-line. Invoices can also be accessed on the web and printed locally, saving time and money!

Part Number Cross Reference

BBI offer the ability to all our customers to have their part numbers loaded onto BBI system, allowing customers the ability to check inventory and pricing by simply entering their part number.

Material Certification Test Reports

Product test reports are available on-line via the BBI web site, eliminating the need to include and track hard copies with each shipment and subsequent lot number.

For further enquiries about using the web site and delivering your business efficiencies our industry has never seen before, please contact your Local BBI office.



**BRIGHTON-BEST
INTERNATIONAL**
1.800.812.527

Tested, Tried and True™





BRIGHTON-BEST INTERNATIONAL

Your one stop shop...24/7 at www.brightonbest.com
AU. 1-800-812-527

Tested, Tried and True™



Quality • Service • Value

Melbourne, Victoria

31-33 Canterbury Road
Braeside, VIC 3195
Tel. 613-9587-7244
Fax: 613-9587-7255
mail@brightonbest.com.au

Sydney, New South Wales

20 Tarlington Place
Smithfield, NSW 2164
Tel. 612-9756-0921
Fax: 612-9756-0897
nswsales@brightonbest.com.au

Brisbane, Queensland

47 Moreton St
Heathwood, Qld 4110
Tel. 617-3372-1890
Fax: 617-3714-9821
qldsales@brightonbest.com.au

Perth, Western Australia

Unit 3/420 Victoria Road
Malaga, Western Australia 6090
Tel: 618-9248-4733
Fax: 618-9248-4766
wasales@brightonbest.com.au

Auckland, New Zealand

28B Pavillion Dr, Airport Oaks
Mangere, Auckland 2022
Tel. 649-257-5256
Fax: 649-257-5328
nzsales@brightonbest.co.nz