

The largest line-up of #3 Head Plow Bolts in the industry.

Earnest Machine stocks the largest line of #3 Head Plow Bolts in the fastener industry with sizes ranging from 3/8" to 1 3/8" in diameter in Grade 5, 8 and proprietary 170M strength levels.

PRODUCT ATTRIBUTES

Available in either Domed, Flat or Oversized head styles

Domed head style provides added wear resistance

Flat head style provides a flush mount and zero clearance

Diameter sizes range from 3/8" to 1 3/8"

MARKETS FOR #3 HEAD PLOW BOLTS

Department of Transportation Snow Plows

Earthmoving Equipment

Mining Equipment

Agricultural Equipment

AVAILABLE VALUE ADDED SERVICES

Broken & full case quantities

Custom plating

Drilling

Kitting & packaging

Secondary & rework services available



ADDITIONAL PLOW BOLT LINES WE SUPPLY:

#7 Bucket Tooth Bolt

Clipped Head Plow Bolts

Carriage Bolts

ADDITIONAL CONSTRUCTION EQUIPMENT FASTENERS

Hex Cap Screws

Heavy Hex Nuts

Carriage Bolts

Jam Nuts

Flange Screws

Slotted Nuts

Lock Nuts

Heavy Slotted Nuts

Hex Nuts

THIS PRODUCT IS OFTEN CALLED...

Ground Engagement Hardware Bolts

Scraper Blade Bolt

MANUFACTURE

#3 Domed, Flat, and Oversized Head Plow Bolts are manufactured in accordance with the latest revision of the following industry standards:

- ASME B18.9** Dimensional Requirements for Flat Head Domed head style commonly called "Catepillar Style" plow bolt
- SAE J429** Material and Physical Properties
- ASME B1.1** Thread Requirements
- ASTM F788** Surface Discontinuities
- ASME 18.18** Inspection and Quality Assurance

THREADS

Threads are to the requirements of ANSI B1.1 Unified Threads, 2A Fit.

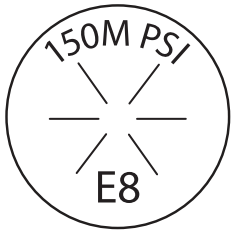
Thread acceptance per ASME B1.3, System 21.

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MATERIAL AND PHYSICAL PROPERTIES

Grade 8



Chemical Composition: Grade 8

CARBON (C)		PHOSPHORUS (P)	SULFUR (S)
Max	Min	Max	Max
0.55	0.28	0.25	0.25

Alloy

PER SAE J404
Mn, Cr, Mo, Ni, V

Hardness: Grade 8

GRADE 8
Rc 33/39

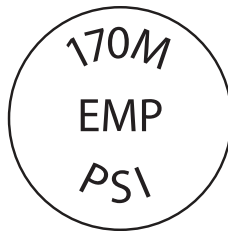
Tensile Strength: Grade 8

GRADE 8 PER SAE J429
150,000 psi min

PLATING GRADE 8

Zinc with Yellow Chromate (Reference ASTM B633 Type 11 SC1 or ASTM F1941)

170M



Chemical Composition: 170M

CARBON (C)		PHOSPHORUS (P)	SULFUR (S)
Max	Min	Max	Max
0.55	0.28	0.25	0.25

Alloy

PER SAE J404
Mn, Cr, Mo, Ni, V

Hardness: 170M

170M
Rc 38/43

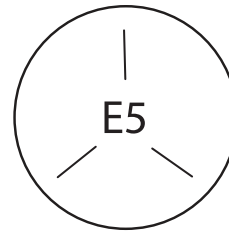
Tensile Strength: 170M

170M PER SAE J429
170,000 psi min

PLATING 170M

Special platings available upon request

Grade 5



Chemical Composition: Grade 5

CARBON (C)		PHOSPHORUS (P)	SULFUR (S)
Max	Min	Max	Max
0.55	0.15	0.25	0.25

Hardness: Grade 5

1/4" TO 1"	1 1/8" TO 1 1/2"
Rc 25/34	Rc 19/30

Tensile Strength: Grade 5

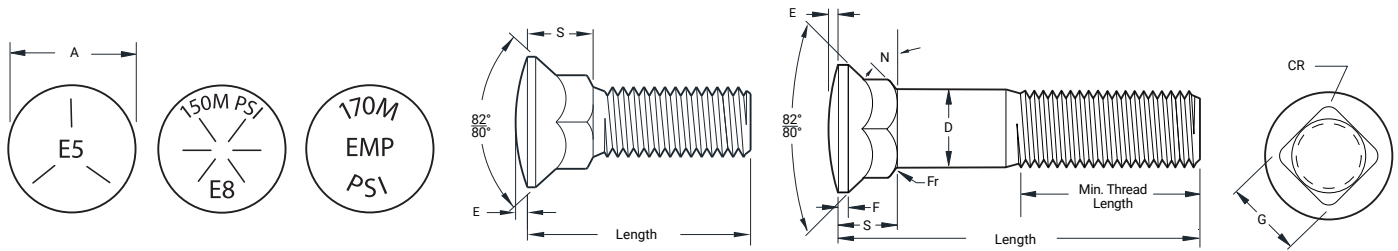
1/4" TO 1"	1 1/8" TO 1 1/2"
120,000 psi min	105,000 psi min

PLATING GRADE 5

Zinc with Trivalent Clear Chromate (Reference ASTM B633 Type III SC1 or ASTM F1941)

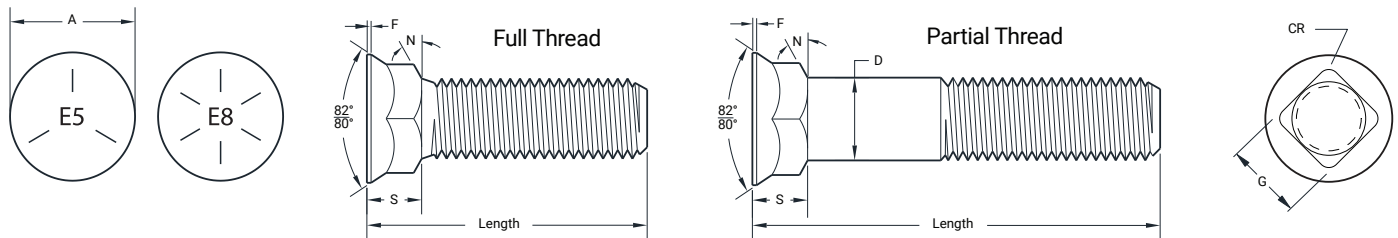
RoHS and REACH Compliant
Prop 65 Compliant

DIMENSIONS FOR #3 DOMED HEAD PLOW BOLT



SIZE	HEAD DIAMETER (A)			BODY DIAMETER (D)		DOME HEIGHT (F)		FEED THICKNESS (F)		WIDTH OF SQUARE (G)		DEPTH OF SQUARE (S)		FILET RADIUS (FR)		CORNER RADIUS (CR)		TRANSITION ANGLE (N)
	SHARP	MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	Nominal
1/2 - 13	0.945	0.890	0.875	0.500	0.483	-	0.420	-	0.515	0.500	0.417	0.375	0.062	-	0.047	-	-	30°
5/8 - 11	1.197	1.044	1.013	0.625	0.611	0.10	0.120	0.050	0.640	0.625	0.516	0.466	0.062	0.015	0.094	0.030	-	30°
3/4 - 10	1.488	1.200	1.169	0.750	0.735	0.11	0.160	0.090	0.765	0.750	0.581	0.541	0.125	0.031	0.109	0.030	-	30°
7/8 - 9	1.745	1.409	1.369	0.875	0.859	0.11	0.170	0.100	0.906	0.875	0.663	0.613	0.125	0.031	0.125	0.050	-	30°
1 - 8	1.933	1.597	1.557	1.000	0.983	0.12	0.170	0.100	1.031	1.000	0.737	0.677	0.125	0.031	0.141	0.050	-	30°
1 1/8 - 7	-	1.910	1.790	1.125	1.098	0.18	0.160	0.120	1.160	1.125	0.810	0.765	0.125	0.031	0.156	0.062	-	30°
1 1/4 - 7	-	2.087	1.969	1.250	1.223	0.19	0.180	0.140	1.290	1.250	0.945	0.892	0.177	0.062	0.172	0.062	-	30°
1 3/8 - 6	-	2.323	2.205	1.375	1.345	0.22	0.200	0.160	1.421	1.370	1.063	1.010	0.177	0.062	0.187	0.062	-	30°
1 1/2 - 6	-	2.520	2.401	1.500	1.470	0.25	0.200	0.160	1.559	1.496	1.181	1.122	0.177	0.062	0.203	0.078	-	30°

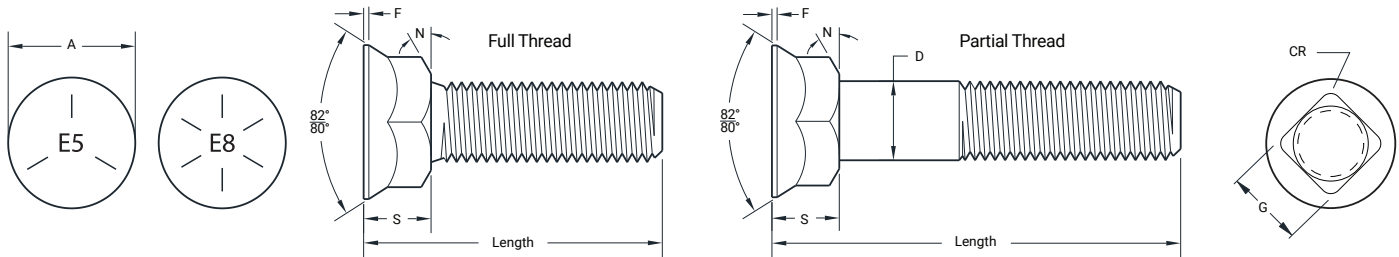
DIMENSIONS FOR #3 FLAT HEAD PLOW BOLTS (ASME B18.9)



SIZE	HEAD DIAMETER (A)			BODY DIAMETER (D)		FEED THICKNESS (F)		WIDTH OF SQUARE (G)		DEPTH OF SQUARE (S)		CORNER RADIUS (CR)		TRANSITION ANGLE (N)
	MAX	MIN SHARP	MIN	MAX	MIN	MAX	MAX	MIN	MAX	MIN	MAX	MAX	Nominal	
5/16-18	0.605	0.578	0.563	0.312	0.299	0.025	0.325	0.313	0.269	0.243	0.031	-	45°	
3/8-16	0.708	0.671	0.656	0.375	0.360	0.031	0.387	0.375	0.312	0.281	0.047	-	45°	
7/16-14	0.826	0.781	0.766	0.438	0.421	0.036	0.450	0.438	0.364	0.328	0.047	-	45°	
1/2 - 3	0.945	0.890	0.875	0.500	0.483	0.042	0.515	0.500	0.417	0.375	0.047	-	45°	
9/16-12	1.045	1.000	0.969	0.592	0.544	0.045	0.578	0.563	0.461	0.416	0.078	-	45°	
5/8-11	1.147	1.094	1.063	0.625	0.606	0.050	0.640	0.625	0.506	0.456	0.078	-	45°	
3/4-10	1.303	1.250	1.219	0.750	0.729	0.050	0.765	0.750	0.541	0.491	0.078	-	45°	
7/8-9	1.512	1.469	1.406	0.875	0.853	0.063	0.906	0.875	0.626	0.563	0.094	-	45°	
1 - 8	1.700	1.656	1.594	1.000	0.976	0.063	1.031	1.000	0.690	0.627	0.094	-	45°	

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DIMENSIONS FOR #3 OVERSIZED HEAD PLOW BOLTS (ASME B18.9)



SIZE	HEAD DIAMETER (A)			BODY DIAMETER (D)		FEED THICKNESS (F)	WIDTH OF SQUARE (G)		DEPTH OF SQUARE (S)		CORNER RADIUS (CR)	TRANSITION ANGLE (N)
	MAX	MIN SHARP	MIN	MAX	MIN	MAX	MAX	MIN	MAX	MIN	MAX	Nominal
3/8-16	0.826	0.781	0.766	0.438	0.421	0.036	0.450	0.438	.364	0.328	0.047	45°
7/16-14	0.945	0.890	0.875	0.500	0.483	0.042	0.515	0.500	0.417	0.375	0.047	45°
5/8-11	1.303	1.250	1.219	0.750	0.729	0.050	0.765	0.750	0.541	0.491	0.078	45°

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#3 Domed Head Plow Bolt - Inch

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
5/8-11x1 1/2	GR 8	Full	Coarse	Plain Finish	205098
5/8-11x1 1/2	GR 8	Full	Coarse	Zinc Clear	205097T
5/8-11x1 1/2	GR 8	Full	Coarse	Zinc Yellow	205100
5/8-11x1 3/4	GR 8	Full	Coarse	Plain Finish	205118
5/8-11x1 3/4	GR 8	Full	Coarse	Zinc Clear	205117T
5/8-11x1 3/4	GR 8	Full	Coarse	Zinc Yellow	205120
5/8-11x2	GR 8	Full	Coarse	Plain Finish	205138
5/8-11x2	GR 8	Full	Coarse	Zinc Clear	205137T
5/8-11x2	GR 8	Full	Coarse	Zinc Yellow	205130
5/8-11x2 1/4	GR 8	Full	Coarse	Plain Finish	205148
5/8-11x2 1/4	GR 8	Full	Coarse	Zinc Clear	205147T
5/8-11x2 1/4	GR 8	Full	Coarse	Zinc Yellow	205141
5/8-11x2 1/2	GR 8	Partial	Coarse	Plain Finish	205158
5/8-11x2 1/2	GR 8	Partial	Coarse	Zinc Clear	205157T
5/8-11x2 1/2	GR 8	Partial	Coarse	Zinc Yellow	205151
5/8-11x2 3/4	GR 8	Partial	Coarse	Plain Finish	205168
5/8-11x2 3/4	GR 8	Partial	Coarse	Zinc Clear	205167T
5/8-11x2 3/4	GR 8	Partial	Coarse	Zinc Yellow	205160
5/8-11x3	GR 8	Partial	Coarse	Plain Finish	205178
5/8-11x3	GR 8	Partial	Coarse	Zinc Clear	205177T
5/8-11x3	GR 8	Partial	Coarse	Zinc Yellow	205180
5/8-11x3 1/4	GR 8	Partial	Coarse	Plain Finish	205188
5/8-11x3 1/2	GR 8	Partial	Coarse	Plain Finish	205198
5/8-11x3 1/2	GR 8	Partial	Coarse	Phos & Oil	205193
5/8-11x3 1/2	GR 8	Partial	Coarse	Zinc Clear	205197T
5/8-11x3 1/2	GR 8	Partial	Coarse	Zinc Yellow	205200
5/8-11x3 3/4	GR 8	Partial	Coarse	Plain Finish	205208
5/8-11x4	GR 8	Partial	Coarse	Plain Finish	205218
5/8-11x4	GR 8	Partial	Coarse	Zinc Clear	205217
5/8-11x4	GR 8	Partial	Coarse	Zinc Yellow	205220
5/8-11x4 1/2	GR 8	Partial	Coarse	Plain Finish	205238
5/8-11x4 1/2	GR 8	Partial	Coarse	Zinc Clear	205237T
5/8-11x5	GR 8	Partial	Coarse	Plain Finish	205258
5/8-11x5	GR 8	Partial	Coarse	Zinc Clear	205257T
5/8-11x5	GR 8	Partial	Coarse	Zinc Yellow	205260
5/8-11x6	GR 8	Partial	Coarse	Plain Finish	205298
5/8-11x6	GR 8	Partial	Coarse	Zinc Yellow	205300

3/4-10x1 3/4	GR 8	Full	Coarse	Plain Finish	206118
3/4-10x2	GR 8	Full	Coarse	Plain Finish	206128
3/4-10x2	GR 8	Full	Coarse	Zinc Clear	206127T

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
3/4-10x2	GR 8	Full	Coarse	Zinc Yellow	206120
3/4-10x2 1/4	GR 8	Full	Coarse	Plain Finish	206148
3/4-10x2 1/4	GR 8	Full	Coarse	Zinc Clear	206147T
3/4-10x2 1/4	GR 8	Full	Coarse	Zinc Yellow	206140
3/4-10x2 1/2	GR 8	Full	Coarse	Plain Finish	206158
3/4-10x2 1/2	GR 8	Full	Coarse	Zinc Clear	206157T
3/4-10x2 1/2	GR 8	Full	Coarse	Zinc Yellow	206150
3/4-10x2 3/4	GR 8	Partial	Coarse	Plain Finish	206168
3/4-10x2 3/4	GR 8	Partial	Coarse	Zinc Clear	206167T
3/4-10x2 3/4	GR 8	Partial	Coarse	Zinc Yellow	206161
3/4-10x3	GR 8	Partial	Coarse	Plain Finish	206178
3/4-10x3	GR 8	Partial	Coarse	Zinc Clear	206177T
3/4-10x3	GR 8	Partial	Coarse	Zinc Yellow	206181
3/4-10x3 1/4	GR 8	Partial	Coarse	Plain Finish	206188
3/4-10x3 1/4	GR 8	Partial	Coarse	Zinc Yellow	206186
3/4-10x3 1/2	GR 8	Partial	Coarse	Plain Finish	206198
3/4-10x3 1/2	GR 8	Partial	Coarse	Zinc Clear	206197T
3/4-10x3 1/2	GR 8	Partial	Coarse	Zinc Yellow	206201
3/4-10x3 3/4	GR 8	Partial	Coarse	Plain Finish	206208
3/4-10x4	GR 8	Partial	Coarse	Plain Finish	206218
3/4-10x4	GR 8	Partial	Coarse	Zinc Clear	206217T
3/4-10x4	GR 8	Partial	Coarse	Zinc Yellow	206220
3/4-10x4 1/2	GR 8	Partial	Coarse	Plain Finish	206238
3/4-10x4 1/2	GR 8	Partial	Coarse	Zinc Clear	206237T
3/4-10x4 1/2	GR 8	Partial	Coarse	Zinc Yellow	206240
3/4-10x4 3/4	GR 8	Partial	Coarse	Plain Finish	206248
3/4-10x5	GR 8	Partial	Coarse	Plain Finish	206258
3/4-10x5	GR 8	Partial	Coarse	Zinc Clear	206257T
3/4-10x5 1/2	GR 8	Partial	Coarse	Plain Finish	206278
3/4-10x6	GR 8	Partial	Coarse	Plain Finish	206298
3/4-10x6 1/2	GR 8	Partial	Coarse	Plain Finish	206318

7/8-9x2	GR 8	Full	Coarse	Plain Finish	207138
7/8-9x2 1/4	GR 8	Full	Coarse	Plain Finish	207148
7/8-9x2 1/4	GR 8	Full	Coarse	Zinc Yellow	207146
7/8-9x2 1/2	GR 8	Full	Coarse	Plain Finish	207158
7/8-9x2 1/2	GR 8	Full	Coarse	Zinc Clear	207157
7/8-9x2 1/2	GR 8	Full	Coarse	Zinc Yellow	207150
7/8-9x2 3/4	GR 8	Full	Coarse	Plain Finish	207168
7/8-9x2 3/4	GR 8	Full	Coarse	Zinc Clear	207167T
7/8-9x3	GR 8	Full	Coarse	Plain Finish	207178

#3 Domed Head Plow Bolt - Inch

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
7/8-9x3	GR 8	Full	Coarse	Zinc Clear	207177T
7/8-9x3	GR 8	Full	Coarse	Zinc Yellow	207180
7/8-9x3 1/4	GR 8	Partial	Coarse	Plain Finish	207188
7/8-9x3 1/4	GR 8	Partial	Coarse	Zinc Clear	207187T
7/8-9x3 1/2	GR 8	Partial	Coarse	Plain Finish	207198
7/8-9x3 1/2	GR 8	Partial	Coarse	Zinc Clear	207197T
7/8-9x3 1/2	GR 8	Partial	Coarse	Zinc Yellow	207200
7/8-9x3 3/4	GR 8	Partial	Coarse	Plain Finish	207208
7/8-9x4	GR 8	Partial	Coarse	Plain Finish	207218
7/8-9x4	GR 8	Partial	Coarse	Zinc Clear	207217T
7/8-9x4	GR 8	Partial	Coarse	Zinc Yellow	207220
7/8-9x4 1/2	GR 8	Partial	Coarse	Plain Finish	207238
7/8-9x4 1/2	GR 8	Partial	Coarse	Zinc Yellow	207240
7/8-9x5	GR 8	Partial	Coarse	Plain Finish	207258
7/8-9x5	GR 8	Partial	Coarse	Zinc Clear	207257T
7/8-9x5	GR 8	Partial	Coarse	Zinc Yellow	207260
7/8-9x5 1/2	GR 8	Partial	Coarse	Plain Finish	207278
7/8-9x5 1/2	GR 8	Partial	Coarse	Zinc Clear	207277T
7/8-9x6	GR 8	Partial	Coarse	Plain Finish	207298
7/8-9x6	GR 8	Partial	Coarse	Zinc Yellow	207300

1-8x2	GR 8	Full	Coarse	Plain Finish	209138
1-8x2 1/2	GR 8	Full	Coarse	Plain Finish	209158
1-8x2 1/2	GR 8	Full	Coarse	Zinc Clear	209157T
1-8x2 3/4	GR 8	Full	Coarse	Plain Finish	209168
1-8x2 3/4	GR 8	Full	Coarse	Zinc Clear	209167T
1-8x2 3/4	GR 8	Full	Coarse	Zinc Yellow	209166
1-8x3	GR 8	Full	Coarse	Plain Finish	209178
1-8x3	GR 8	Full	Coarse	Zinc Clear	209177T
1-8x3	GR 8	Full	Coarse	Zinc Yellow	209170
1-8x3 1/4	GR 8	Partial	Coarse	Phos & Oil	209187
1-8x3 1/4	GR 8	Partial	Coarse	Plain Finish	209188
1-8x3 1/2	GR 8	Partial	Coarse	Plain Finish	209198
1-8x3 1/2	GR 8	Partial	Coarse	Zinc Clear	209200T
1-8x3 1/2	GR 8	Partial	Coarse	Zinc Yellow	209196
1-8x3 3/4	GR 8	Partial	Coarse	Plain Finish	209208
1-8x4	GR 8	Partial	Coarse	Plain Finish	209218
1-8x4	GR 8	Partial	Coarse	Zinc Clear	209217T
1-8x4	GR 8	Partial	Coarse	Zinc Yellow	209220
1-8x4 1/2	GR 8	Partial	Coarse	Plain Finish	209238
1-8x4 1/2	GR 8	Partial	Coarse	Zinc Clear	209237T

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
1-8x5	GR 8	Partial	Coarse	Plain Finish	209258
1-8x5	GR 8	Partial	Coarse	Zinc Clear	209257T
1-8x5 1/2	GR 8	Partial	Coarse	Plain Finish	209278
1-8x5 1/2	GR 8	Partial	Coarse	Zinc Clear	209277T
1-8x6	GR 8	Partial	Coarse	Plain Finish	209298
1-8x6	GR 8	Partial	Coarse	Zinc Clear	209297T
1-8x6	GR 8	Partial	Coarse	Zinc Clear	209297
1-8x6 1/2	GR 8	Partial	Coarse	Plain Finish	209318
1-8x6 1/2	GR 8	Partial	Coarse	Zinc Clear	209317T
1-8x7	GR 8	Partial	Coarse	Plain Finish	209338

1 1/8-7x3 1/2	GR 8	Full	Coarse	Plain Finish	211198
1 1/8-7x4	GR 8	Partial	Coarse	Plain Finish	211218
1 1/8-7x4 1/2	GR 8	Partial	Coarse	Plain Finish	211238
1 1/8-7x5	GR 8	Partial	Coarse	Plain Finish	211258
1 1/8-7x5 1/2	GR 8	Partial	Coarse	Plain Finish	211278
1 1/8-7x6	GR 8	Partial	Coarse	Plain Finish	211298
1 1/8-7x10	GR 8	Partial	Coarse	Plain Finish	211458

1 1/4-7x3	GR 8	Full	Coarse	Plain Finish	212178
1 1/4-7x3	GR 8	Full	Coarse	Zinc Clear	212177T
1 1/4-7x3 3/4	GR 8	Full	Coarse	Plain Finish	212208
1 1/4-7x3 3/4	GR 8	Full	Coarse	Zinc Clear	212207T
1 1/4-7x3 7/8	GR 8	Full	Coarse	Plain Finish	212209
1 1/4-7x4	GR 8	Full	Coarse	Zinc Yellow	212210
1 1/4-7x4	GR 8	Full	Coarse	Plain Finish	212218
1 1/4-7x4	GR 8	Full	Coarse	Zinc Clear	212217T
1 1/4-7x4 1/4	GR 8	Full	Coarse	Plain Finish	212228
1 1/4-7x4 1/2	GR 8	Partial	Coarse	Plain Finish	212238
1 1/4-7x4 1/2	GR 8	Partial	Coarse	Zinc Clear	212237T
1 1/4-7x5	GR 8	Partial	Coarse	Plain Finish	212258
1 1/4-7x5	GR 8	Partial	Coarse	Zinc Clear	212257T
1 1/4-7x5 1/2	GR 8	Partial	Coarse	Plain Finish	212278
1 1/4-7x6	GR 8	Partial	Coarse	Plain Finish	212298
1 1/4-7x6	GR 8	Partial	Coarse	Zinc Clear	212297T
1 1/4-7x7	GR 8	Partial	Coarse	Plain Finish	212338
1 1/4-7x7	GR 8	Partial	Coarse	Zinc Clear	212337T
1 1/4-7x8	GR 8	Partial	Coarse	Plain Finish	212378
1 1/4-7x8	GR 8	Partial	Coarse	Zinc Clear	212377T

#3 Domed Head Plow Bolt - Inch

170M (E9)

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
5/8-11x2	170M	Full	Coarse	Plain Finish	191138
5/8-11x2 1/2	170M	Partial	Coarse	Plain Finish	191152
5/8-11x3	170M	Partial	Coarse	Plain Finish	191178
5/8-11x3 1/2	170M	Partial	Coarse	Plain Finish	191198
5/8-11x4	170M	Partial	Coarse	Plain Finish	191188

3/4-10x2	170M	Partial	Coarse	Plain Finish	192138
3/4-10x2 1/2	170M	Partial	Coarse	Plain Finish	192142
3/4-10x3	170M	Partial	Coarse	Plain Finish	192178
3/4-10x3 1/2	170M	Partial	Coarse	Plain Finish	192192
3/4-10x4	170M	Partial	Coarse	Plain Finish	192212

7/8-9x3 1/4	170M	Partial	Coarse	Plain Finish	193182
7/8-9x3 1/4	170M	Partial	Coarse	Plain Finish	193188
7/8-9x3 1/2	170M	Partial	Coarse	Plain Finish	193198
1-8x3	170M	Full	Coarse	Plain Finish	194172
1-8x3 1/4	170M	Partial	Coarse	Plain Finish	194188
1-8x3 1/2	170M	Partial	Coarse	Plain Finish	194198
1-8x3 3/4	170M	Partial	Coarse	Plain Finish	194202
1-8x4	170M	Partial	Coarse	Plain Finish	194218

1 1/4-7x3 3/4	170M	Full	Coarse	Plain Finish	196178
1 1/4-7x4	170M	Partial	Coarse	Plain Finish	196220
1 1/4-7x4	170M	Full	Coarse	Plain Finish	196218
1 1/4-7x4 1/8	170M	Partial	Coarse	Plain Finish	196228
1 1/4-7x4 1/2	170M	Partial	Coarse	Plain Finish	196240
1 1/4-7x4 1/2	170M	Partial	Coarse	Plain Finish	196238
1 1/4-7x4 15/16	170M	Partial	Coarse	Plain Finish	196248
1 1/4-7x5	170M	Partial	Coarse	Plain Finish	196258
1 1/4-7x5 1/4	170M	Partial	Coarse	Plain Finish	196268
1 1/4-7x5 1/2	170M	Partial	Coarse	Plain Finish	196298
1 1/4-7x6	170M	Partial	Coarse	Plain Finish	196300
1 1/4-7x7	170M	Partial	Coarse	Plain Finish	196338

1 3/8-6x4 1/2	170M	Full	Coarse	Plain Finish	197238
1 3/8-6x5 1/2	170M	Partial	Coarse	Plain Finish	197278
1 3/8-6x6	170M	Partial	Coarse	Plain Finish	197298

Grade 5

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
5/8-11x1 1/2	GR 5	Full	Coarse	Plain Finish	205095
5/8-11x1 1/2	GR 5	Full	Coarse	Zinc Clear	205094T
5/8-11x1 3/4	GR 5	Full	Coarse	Plain Finish	205115
5/8-11x2	GR 5	Full	Coarse	Plain Finish	205135
5/8-11x2	GR 5	Full	Coarse	Zinc Clear	205134T
5/8-11x2	GR 5	Full	Coarse	Zinc Yellow	205131
5/8-11x2 1/4	GR 5	Full	Coarse	Plain Finish	205145
5/8-11x2 1/4	GR 5	Full	Coarse	Zinc Clear	205144T
5/8-11x2 1/2	GR 5	Partial	Coarse	Plain Finish	205155
5/8-11x2 1/2	GR 5	Partial	Coarse	Zinc Clear	205154
5/8-11x2 3/4	GR 5	Partial	Coarse	Plain Finish	205165
5/8-11x2 3/4	GR 5	Partial	Coarse	Zinc Clear	205170
5/8-11x3	GR 5	Partial	Coarse	Plain Finish	205175
5/8-11x3	GR 5	Partial	Coarse	Zinc Clear	205174
5/8-11x3 1/2	GR 5	Partial	Coarse	Plain Finish	205195
5/8-11x3 1/2	GR 5	Partial	Coarse	Zinc Clear	205194
5/8-11x3 3/4	GR 5	Partial	Coarse	Plain Finish	205205
5/8-11x4	GR 5	Partial	Coarse	Plain Finish	205215
5/8-11x4	GR 5	Partial	Coarse	Zinc Clear	205214T
5/8-11x4 1/4	GR 5	Partial	Coarse	Plain Finish	205265

#3 Flat Head Plow Bolt - Inch

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
3/8-16x1 1/2	GR 8	Full	Coarse	Plain Finish	202098
3/8-16x1 1/2	GR 8	Full	Coarse	Zinc Yellow	202099

1/2-13x1	GR 8	Full	Coarse	Plain Finish	204058
1/2-13x1	GR 8	Full	Coarse	Zinc Clear	204057T
1/2-13x1 1/4	GR 8	Full	Coarse	Plain Finish	204078
1/2-13x1 1/4	GR 8	Full	Coarse	Zinc Clear	204077T
1/2-13x1 1/4	GR 8	Full	Coarse	Zinc Yellow	204076
1/2-13x1 1/2	GR 8	Full	Coarse	Plain Finish	204098
1/2-13x1 1/2	GR 8	Full	Coarse	Zinc Clear	204097T
1/2-13x1 1/2	GR 8	Full	Coarse	Zinc Yellow	204099
1/2-13x1 3/4	GR 8	Full	Coarse	Plain Finish	204118
1/2-13x1 3/4	GR 8	Full	Coarse	Zinc Clear	204117T
1/2-13x1 3/4	GR 8	Full	Coarse	Zinc Yellow	204119
1/2-13x2	GR 8	Partial	Coarse	Plain Finish	204138
1/2-13x2	GR 8	Partial	Coarse	Zinc Clear	204137T
1/2-13x2 1/4	GR 8	Full	Coarse	Plain Finish	204148
1/2-13x2 1/4	GR 8	Full	Coarse	Zinc Clear	204147T
1/2-13x2 1/4	GR 8	Full	Coarse	Zinc Yellow	204149
1/2-13x2 1/4	GR 8	Partial	Coarse	Plain Finish	204140
1/2-13x2 1/4	GR 8	Partial	Coarse	Zinc Clear	204141T
1/2-13x2 1/2	GR 8	Full	Coarse	Plain Finish	204158
1/2-13x2 1/2	GR 8	Full	Coarse	Zinc Clear	204157T
1/2-13x2 1/2	GR 8	Full	Coarse	Zinc Yellow	204153
1/2-13x2 1/2	GR 8	Partial	Coarse	Plain Finish	204160
1/2-13x2 1/2	GR 8	Partial	Coarse	Zinc Clear	204159T
1/2-13x2 3/4	GR 8	Full	Coarse	Plain Finish	204168
1/2-13x2 3/4	GR 8	Full	Coarse	Zinc Clear	204167T
1/2-13x2 3/4	GR 8	Partial	Coarse	Plain Finish	204170
1/2-13x2 3/4	GR 8	Partial	Coarse	Zinc Clear	204171T
1/2-13x3	GR 8	Full	Coarse	Plain Finish	204178
1/2-13x3	GR 8	Full	Coarse	Zinc Clear	204177T
1/2-13x3	GR 8	Partial	Coarse	Plain Finish	204180
1/2-13x3 1/2	GR 8	Full	Coarse	Plain Finish	204198
1/2-13x3 1/2	GR 8	Full	Coarse	Zinc Clear	204197T
1/2-13x3 1/2	GR 8	Partial	Coarse	Zinc Clear	204199T
1/2-13x4	GR 8	Full	Coarse	Plain Finish	204218
1/2-13x4	GR 8	Full	Coarse	Zinc Clear	204217T
1/2-13x4	GR 8	Partial	Coarse	Plain Finish	204220
1/2-13x4	GR 8	Partial	Coarse	Zinc Clear	204221T

Grade 8

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
5/8-11x2	GR 8	Full	Coarse	Plain Finish	205139
5/8-11x2 1/4	GR 8	Full	Coarse	Plain Finish	205149
5/8-11x2 1/2	GR 8	Partial	Coarse	Plain Finish	205159
5/8-11x2 1/2	GR 8	Partial	Coarse	Zinc Yellow	205087
5/8-11x3	GR 8	Partial	Coarse	Plain Finish	205179
5/8-11x3 1/2	GR 8	Partial	Coarse	Plain Finish	205199

3/4-10x2 1/2	GR 8	Partial	Coarse	Plain Finish	206159
3/4-10x2 1/2	GR 8	Partial	Coarse	Zinc Yellow	206154
3/4-10x3	GR 8	Full	Coarse	Plain Finish	206170
3/4-10x3	GR 8	Partial	Coarse	Plain Finish	206179
3/4-10x3 1/2	GR 8	Partial	Coarse	Plain Finish	206199

7/8-9x4	GR 8	Partial	Coarse	Plain Finish	207219
1-8x4	GR 8	Partial	Coarse	Plain Finish	209219

Grade 5

3/8-16x1	GR 5	Full	Coarse	Plain Finish	202055
3/8-16x1	GR 5	Full	Coarse	Zinc Clear	202054T
3/8-16x1	GR 5	Full	Coarse	Zinc Yellow	202056
3/8-16x1 1/4	GR 5	Full	Coarse	Plain Finish	202075
3/8-16x1 1/4	GR 5	Full	Coarse	Zinc Clear	202074T
3/8-16x1 1/4	GR 5	Full	Coarse	Zinc Yellow	202076
3/8-16x1 1/2	GR 5	Full	Coarse	Plain Finish	202095
3/8-16x1 1/2	GR 5	Full	Coarse	Zinc Clear	202094T
3/8-16x1 1/2	GR 5	Full	Coarse	Zinc Yellow	202096
3/8-16x1 3/4	GR 5	Full	Coarse	Plain Finish	202115
3/8-16x1 3/4	GR 5	Full	Coarse	Zinc Clear	202114T
3/8-16x2	GR 5	Full	Coarse	Plain Finish	202135
3/8-16x2	GR 5	Full	Coarse	Zinc Clear	202134T
3/8-16x2	GR 5	Partial	Coarse	Plain Finish	202130
3/8-16x2	GR 5	Partial	Coarse	Zinc Clear	202131T
3/8-16x2 1/4	GR 5	Full	Coarse	Plain Finish	202145
3/8-16x2 1/4	GR 5	Full	Coarse	Zinc Clear	202144
3/8-16x2 1/4	GR 5	Partial	Coarse	Plain Finish	202140
3/8-16x2 1/2	GR 5	Full	Coarse	Plain Finish	202155
3/8-16x2 1/2	GR 5	Full	Coarse	Zinc Clear	202154T
3/8-16x2 3/4	GR 5	Full	Coarse	Plain Finish	202165
3/8-16x2 3/4	GR 5	Full	Coarse	Zinc Clear	202164
3/8-16x2 3/4	GR 5	Partial	Coarse	Plain Finish	202166
3/8-16x3	GR 5	Full	Coarse	Plain Finish	202175

#3 Flat Head Plow Bolt - Inch

Grade 5

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
3/8-16x3	GR 5	Full	Coarse	Zinc Clear	202174T
3/8-16x3 1/2	GR 5	Partial	Coarse	Plain Finish	202195
3/8-16x3 1/2	GR 5	Partial	Coarse	Zinc Clear	202194
3/8-16x4	GR 5	Partial	Coarse	Plain Finish	202215

7/16-14x1	GR 5	Full	Coarse	Plain Finish	203055
7/16-14x1	GR 5	Full	Coarse	Zinc Clear	203054T
7/16-14x1 1/4	GR 5	Full	Coarse	Plain Finish	203075
7/16-14x1 1/4	GR 5	Full	Coarse	Zinc Clear	203074
7/16-14x1 1/2	GR 5	Full	Coarse	Plain Finish	203095
7/16-14x1 1/2	GR 5	Full	Coarse	Zinc Clear	203094T
7/16-14x1 1/2	GR 5	Full	Coarse	Zinc Yellow	203096
7/16-14x1 3/4	GR 5	Full	Coarse	Plain Finish	203115
7/16-14x1 3/4	GR 5	Full	Coarse	Zinc Clear	203114T
7/16-14x2	GR 5	Full	Coarse	Plain Finish	203135
7/16-14x2	GR 5	Full	Coarse	Zinc Clear	203134T
7/16-14x2	GR 5	Partial	Coarse	Plain Finish	203130
7/16-14x2	GR 5	Partial	Coarse	Zinc Clear	203131T
7/16-14x2 1/4	GR 5	Full	Coarse	Plain Finish	203145
7/16-14x2 1/4	GR 5	Full	Coarse	Zinc Clear	203144T
7/16-14x2 1/2	GR 5	Full	Coarse	Plain Finish	203155
7/16-14x2 1/2	GR 5	Full	Coarse	Zinc Clear	203154T
7/16-14x2 3/4	GR 5	Full	Coarse	Plain Finish	203165
7/16-14x2 3/4	GR 5	Full	Coarse	Zinc Clear	203164T
7/16-14x2 3/4	GR 5	Partial	Coarse	Plain Finish	203160
7/16-14x2 3/4	GR 5	Partial	Coarse	Zinc Clear	203161T
7/16-14x3	GR 5	Full	Coarse	Plain Finish	203175
7/16-14x3	GR 5	Full	Coarse	Zinc Clear	203174T
7/16-14x3	GR 5	Partial	Coarse	Plain Finish	203170
7/16-14x3	GR 5	Partial	Coarse	Zinc Clear	203171T
7/16-14x3 1/2	GR 5	Full	Coarse	Plain Finish	203195
7/16-14x3 1/2	GR 5	Full	Coarse	Zinc Clear	203194
7/16-14x3 1/2	GR 5	Partial	Coarse	Plain Finish	203190
7/16-14x4	GR 5	Full	Coarse	Plain Finish	203215
7/16-14x4	GR 5	Partial	Coarse	Plain Finish	203210

1/2-13x1	GR 5	Full	Coarse	Plain Finish	204055
1/2-13x1 1/4	GR 5	Full	Coarse	Plain Finish	204075
1/2-13x1 1/4	GR 5	Full	Coarse	Zinc Yellow	204073
1/2-13x1 1/2	GR 5	Full	Coarse	Plain Finish	204095
1/2-13x1 1/2	GR 5	Full	Coarse	Zinc Clear	204094T

Grade 5

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
1/2-13x1 1/2	GR 5	Full	Coarse	Zinc Yellow	204096
1/2-13x1 3/4	GR 5	Full	Coarse	Plain Finish	204115
1/2-13x1 3/4	GR 5	Full	Coarse	Zinc Clear	204114T
1/2-13x1 3/4	GR 5	Full	Coarse	Zinc Yellow	204116
1/2-13x2	GR 5	Full	Coarse	Plain Finish	204135
1/2-13x2	GR 5	Full	Coarse	Zinc Clear	204134T
1/2-13x2 1/4	GR 5	Full	Coarse	Plain Finish	204145
1/2-13x2 1/4	GR 5	Full	Coarse	Zinc Clear	204143T
1/2-13x2 1/4	GR 5	Partial	Coarse	Plain Finish	204146
1/2-13x2 1/4	GR 5	Partial	Coarse	Zinc Clear	204144T
1/2-13x2 1/2	GR 5	Full	Coarse	Plain Finish	204155
1/2-13x2 1/2	GR 5	Full	Coarse	Zinc Clear	204154T
1/2-13x2 1/2	GR 5	Full	Coarse	Zinc Yellow	204156
1/2-13x2 1/2	GR 5	Partial	Coarse	Plain Finish	204150
1/2-13x2 1/2	GR 5	Partial	Coarse	Zinc Clear	204151T
1/2-13x2 3/4	GR 5	Full	Coarse	Plain Finish	204165
1/2-13x2 3/4	GR 5	Full	Coarse	Zinc Clear	204164
1/2-13x2 3/4	GR 5	Partial	Coarse	Plain Finish	204161
1/2-13x2 3/4	GR 5	Partial	Coarse	Zinc Clear	204162T
1/2-13x3	GR 5	Full	Coarse	Plain Finish	204175
1/2-13x3	GR 5	Full	Coarse	Zinc Clear	204174T
1/2-13x3	GR 5	Partial	Coarse	Plain Finish	204181
1/2-13x3 1/4	GR 5	Partial	Coarse	Plain Finish	204185
1/2-13x3 1/2	GR 5	Full	Coarse	Plain Finish	204195
1/2-13x3 1/2	GR 5	Full	Coarse	Zinc Clear	204193T
1/2-13x3 1/2	GR 5	Full	Coarse	Zinc Clear	204194T
1/2-13x3 1/2	GR 5	Partial	Coarse	Plain Finish	204191
1/2-13x4	GR 5	Full	Coarse	Plain Finish	204215
1/2-13x4	GR 5	Full	Coarse	Zinc Clear	204214T
1/2-13x4	GR 5	Partial	Coarse	Plain Finish	204210
1/2-13x4	GR 5	Partial	Coarse	Zinc Clear	204211T

5/8-11x1 1/2	GR 5	Full	Coarse	Plain Finish	205096
5/8-11x1 3/4	GR 5	Full	Coarse	Plain Finish	205116
5/8-11x1 3/4	GR 5	Full	Coarse	Zinc Clear	205114T
5/8-11x2	GR 5	Full	Coarse	Plain Finish	205136
5/8-11x2 1/4	GR 5	Full	Coarse	Plain Finish	205146
5/8-11x2 1/2	GR 5	Full	Coarse	Plain Finish	205156
5/8-11x2 1/2	GR 5	Full	Coarse	Zinc Clear	205150T
5/8-11x2 1/2	GR 5	Partial	Coarse	Plain Finish	205153
5/8-11x2 1/2	GR 5	Partial	Coarse	Zinc Clear	205152

#3 Flat Head Plow Bolt - Inch

Grade 5

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
5/8-11x2 3/4	GR 5	Full	Coarse	Zinc Yellow	205169
5/8-11x3	GR 5	Full	Coarse	Plain Finish	205176
5/8-11x3 1/4	GR 5	Full	Coarse	Plain Finish	205201
5/8-11x3 1/2	GR 5	Full	Coarse	Plain Finish	205196
5/8-11x5 3/4	GR 5	Partial	Coarse	Zinc Yellow	205284

3/4-10x1 3/4	GR 5	Full	Coarse	Plain Finish	206119
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#3 Oversized Head Plow Bolt - Inch

Grade 5

SIZE	GRADE	THREAD	PITCH	FINISH	PART #
3/8-16x1 1/2	GR 5	Full	Coarse	Plain Finish	199112
3/8-16x1 1/2	GR 5	Full	Coarse	Zinc Clear	199111T
3/8-16x1 3/4	GR 5	Full	Coarse	Plain Finish	199122
3/8-16x1 3/4	GR 5	Full	Coarse	Zinc Clear	199121T
7/16-14x1 3/4	GR 5	Full	Coarse	Plain Finish	199162
7/16-14x2	GR 5	Full	Coarse	Plain Finish	199172
7/16-14x2 1/2	GR 5	Full	Coarse	Plain Finish	199192
7/16-14x2 1/2	GR 5	Full	Coarse	Zinc Clear	199191T

5/8-11x2 1/4	GR 8	Full	Coarse	Plain Finish	205140
5/8-11x2 3/4	GR 8	Partial	Coarse	Plain Finish	205166