


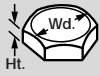
# Hex Head Cap Screws

Technical drawings and 3-D models available for items with this symbol. 

For nuts, see pages 3153-3178.

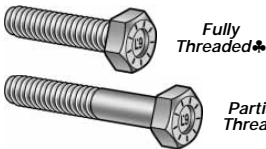
## Hex Head Cap Screw Thread Lengths and Head Dimensions

Sizes marked with a ♣ are always fully threaded. For all other sizes, manufacturing standards allow threads to fall between the minimum and maximum lengths shown below. For screws over 6" long (except those made from stainless steel) add 1/4" to thread lengths. For stainless steel screws 6 1/2" to 11" long, add 3 1/2" to thread lengths; for those over 11" long, add 5".



Screw Dia.	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"
Minimum Thread Lg.	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3 1/4"	3 3/4"	4 1/4"
Maximum Thread Lg.	1"	1 3/16"	1 5/16"	1 7/2"	1 5/8"	1 13/16"	2"	2 1/4"	2 9/16"	2 7/8"	3 1/4"	3 1/2"	4 3/4"	9 1/4"	5 5/8"

## Extreme-Strength Steel—Grade 9



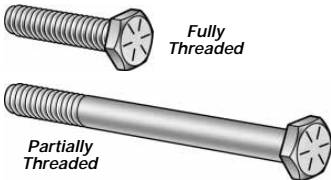
With a minimum tensile strength of 180,000 psi and a hefty head that's approximately 15-20% higher than a standard cap screw head, these are our strongest cap screws. All screws are made from high-grade alloy steel with a zinc yellow-chromate plating for added rust resistance. They have a Class 2A thread fit and a minimum Rockwell hardness of C38. Similar to PFC9, Tru-Torq, and Bow Malloy screws, they're also known as L9 screws and are grade-marked with nine radial lines, a dot, and the characters L9. Screw length is measured from under the head.

For best results, use with 95036A Grade 9 nuts on page 3156.

Lg.	Pkg. Qty.	Per Pkg.	Lg.	Pkg. Qty.	Per Pkg.	Lg.	Pkg. Qty.	Per Pkg.	Lg.	Pkg. Qty.	Per Pkg.
<b>1/4"-20—Head: Wd. 7/16"; Ht. 3/16"</b>			<b>3/8"-16 (Cont.)</b>			<b>1/2"-13 (Cont.)</b>			<b>3/4"-10—Head: Wd. 1 1/8"; Ht. 9/16"</b>		
1/2"	25	90201A109	2 1/4"	10	90201A324	3"	5	90201A433	1 1/2"	1	90201A638
3/4"	25	90201A111	2 1/2"	10	90201A327	3 1/2"	5	90201A437	2"	1	90201A640
1"	25	90201A113	3"	5	90201A331	4"	1	90201A440	2 1/4"	1	90201A642
1 1/4"	25	90201A115	3 1/2"	5	90201A333	4 1/2"	1	90201A443	2 1/2"	1	90201A644
1 1/2"	25	90201A117	4"	5	90201A336	5"	1	90201A446	2 3/4"	1	90201A646
2"	25	90201A119	4 1/2"	1	90201A339	6"	1	90201A449	3"	1	90201A648
<b>5/16"-18—Head: Wd. 1/2"; Ht. 15/64"</b>			<b>7/16"-14—Head: Wd. 5/8"; Ht. 2 1/64"</b>			<b>5/8"-11—Head: Wd. 15/16"; Ht. 15/32"</b>			<b>4"-10—Head: Wd. 1 1/4"; Ht. 1 1/8"</b>		
3/4"	25	90201A219	1 1/2"	10	90201A360	1 1/2"	5	90201A525	4"	1	90201A651
1"	25	90201A221	2"	5	90201A363	3"	5	90201A527	4 1/2"	1	90201A654
1 1/4"	25	90201A225	3"	5	90201A366	4"	1	90201A531	5"	1	90201A660
1 1/2"	10	90201A228	4"	1	90201A369	5 1/2"	5	90201A535	5 1/2"	1	90201A663
2"	10	90201A230	<b>1/2"-13—Head: Wd. 3/4"; Ht. 3/8"</b>			<b>1 1/2"-10—Head: Wd. 1 1/4"; Ht. 1 1/8"</b>			<b>6"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		
<b>3/8"-16—Head: Wd. 9/16"; Ht. 9/32"</b>			1 1/4"	5	90201A416	1 1/4"	5	90201A537	6"	1	90201A667
1"	10	90201A314	1 1/2"	5	90201A418	1 3/4"	5	90201A539	7"	1	90201A670
1 1/4"	10	90201A316	2"	5	90201A426	2"	1	90201A541	8"	1	90201A674
1 1/2"	10	90201A319	2 1/2"	5	90201A429	3"	1	90201A543	10"	1	90201A678
1 3/4"	10	90201A321	<b>3/4"-13—Head: Wd. 1 1/4"; Ht. 1 1/8"</b>			<b>2"-10—Head: Wd. 1 1/2"; Ht. 1 1/4"</b>			<b>8"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		
2"	10	90201A323	1 1/4"	5	90201A423	1 1/2"	5	90201A544	<b>10"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		
<b>1/2"-13—Head: Wd. 3/4"; Ht. 3/8"</b>			1 1/2"	5	90201A426	2"	5	90201A547	<b>10"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		
<b>3/8"-16—Head: Wd. 9/16"; Ht. 9/32"</b>			2 1/2"	5	90201A429	2 1/2"	5	90201A550	<b>10"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		
<b>1/4"-20—Head: Wd. 7/16"; Ht. 3/16"</b>			2 1/2"	5	90201A429	2 1/2"	5	90201A553	<b>10"-10—Head: Wd. 1 3/4"; Ht. 1 1/4"</b>		

♣ Fully threaded. For all other sizes, manufacturing standards allow thread length to vary. See top of page for more thread length information.

## High-Strength Steel—Grade 8



Made from alloy steel, these tough screws have a Class 2A thread fit and are marked on the head with six radial lines to indicate Grade 8. Screws are coated with zinc yellow-chromate for rust resistance, except 1 1/8" and larger diameters, which are plain steel. All screws have a minimum Rockwell hardness of C33 and minimum tensile strength of 150,000 psi. All meet ASME B18.2.1 and SAE J429, except screws with a 2" diameter, which meet ASTM A354BD.

Screw length is measured from under the head. Screws that are fully threaded are also known as tap bolts.

**Also Available:** Grade 8 screws with a locking patch in sizes marked with a ★. The patch withstands temperatures from -65° to +250° F. Screws have a minimum tensile strength of 150,000 psi and meet ASME B18.2.1 and SAE J429. Please ask for 90019A500 and specify thread size and screw length.

Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.
<b>1/4"-20—Head: Wd. 7/16"; Ht. 3/16"</b>				<b>1/2"-13 (Cont.)</b>				<b>1/2"-28 (Cont.)</b>			
3/8"	Fully Threaded	100	92620A535	3 1/2"	3/4" to 1"	25	91257A556	1"	Fully Threaded	100	92620A565
1/2"	Fully Threaded	100	92620A537	3 3/4"	3/4" to 1"	25	91257A557	1 1/8"	Fully Threaded	50	92620A564
5/8"	Fully Threaded	100	92620A539	4"	Fully Threaded	5	92620A555	1 1/2"	Fully Threaded	5	92620A701
3/4"	Fully Threaded	100	92620A540	4"	3/4" to 1"	10	91257A558	1 3/4"	Fully Threaded	5	92620A572
7/8"	Fully Threaded	100	92620A541	4 1/4"	3/4" to 1"	5	91257A103	1 1/4"	3/4" to 1"	50	91257A565
1"	Fully Threaded	100	92620A542	4 1/2"	Fully Threaded	5	92620A556	1 3/8"	3/4" to 1"	25	91257A112
1 1/8"	Fully Threaded	10	92620A545	4 1/2"	3/4" to 1"	10	91257A559	1 1/2"	Fully Threaded	5	92620A566
1 1/4"	Fully Threaded	25	92620A544	4 3/4"	3/4" to 1"	5	91257A105	1 1/2"	3/4" to 1"	50	91257A566
1 1/4"	3/4" to 1"	100	91257A544	5"	Fully Threaded	5	92620A557	1 3/4"	3/4" to 1"	50	91257A567
1 3/8"	3/4" to 1"	25	91257A535	5"	3/4" to 1"	10	91257A560	2"	Fully Threaded	5	92620A567
1 1/2"	Fully Threaded	25	92620A546	5 1/4"	3/4" to 1"	5	91257A107	2"	3/4" to 1"	50	91257A568
1 1/2"	3/4" to 1"	100	91257A546	5 1/2"	Fully Threaded	5	92620A558	2 1/4"	3/4" to 1"	25	91257A572
1 5/8"	3/4" to 1"	25	91257A549	5 1/2"	3/4" to 1"	5	91257A561	2 1/2"	Fully Threaded	1	92620A568
1 3/4"	Fully Threaded	25	92620A548	6"	Fully Threaded	1	92620A559	2 1/2"	3/4" to 1"	25	91257A569
1 3/4"	3/4" to 1"	50	91257A548	6"	3/4" to 1"	10	91257A562	2 3/4"	3/4" to 1"	25	91257A573
2"	Fully Threaded	50	92620A550	6 1/2"	1" to 1 1/4"	5	91257A563	3"	Fully Threaded	1	92620A569
2"	3/4" to 1"	50	91257A550	7"	1" to 1 1/4"	5	91257A411	3"	3/4" to 1"	25	91257A570
2 1/4"	Fully Threaded	50	92620A551	7 1/2"	1" to 1 1/4"	5	91257A413	3 1/4"	3/4" to 1"	10	91257A574
2 1/4"	3/4" to 1"	50	91257A551	8"	1" to 1 1/4"	5	91257A415	3 1/2"	Fully Threaded	1	92620A570
2 1/2"	Fully Threaded	25	92620A552	9"	1" to 1 1/4"	1	91257A416	3 3/2"	3/4" to 1"	10	91257A575
2 1/2"	3/4" to 1"	50	91257A552	10"	1" to 1 1/4"	1	91257A418	3 3/4"	3/4" to 1"	10	91257A576
2 3/4"	3/4" to 1"	25	91257A553	12"	1" to 1 1/4"	1	91257A420	4"	Fully Threaded	1	92620A571
3"	Fully Threaded	5	92620A553	<b>1/4"-28—Head: Wd. 7/16"; Ht. 5/32"</b>				4"	3/4" to 1"	10	91257A571
3"	3/4" to 1"	25	91257A554	1/2"	Fully Threaded	100	92620A562	4 1/2"	3/4" to 1"	5	91257A577
3 1/4"	3/4" to 1"	25	91257A555	5/8"	Fully Threaded	100	92620A538	5"	3/4" to 1"	5	91257A421
3 1/2"	Fully Threaded	5	92620A554	3/4"	Fully Threaded	100	92620A563	<b>(Continued on following page)</b>			



Technical drawings and 3-D models available for items with this symbol.


# Hex Head Cap Screws

For information about head dimensions, see page 3100. For nuts, see pages 3153-3178.

## High-Strength Steel—Grade 8 (Continued from previous page)

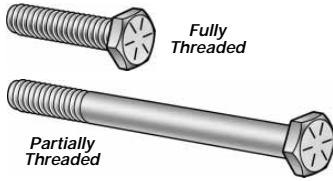
Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.
<b>1/4"-28 (Cont.)</b>				<b>5/16"-24 (Cont.)</b>				<b>3/8"-24 (Cont.)</b>			
5 1/2"	3/4" to 1"	5	91257A422 \$7.04	6 1/2"	1 1/8" to 1 7/16"	1	91257A451 \$2.28	5"	1" to 1 5/16"	5	91257A466 \$7.18
6"	3/4" to 1"	5	91257A423 8.39	7"	1 1/8" to 1 7/16"	5	91257A453 11.56	5 1/4"	1" to 1 5/16"	5	91257A467 9.28
6 1/2"	1" to 1 1/4"	5	91257A424 8.75	8"	1 1/8" to 1 7/16"	1	91257A455 2.66	5 1/2"	1" to 1 5/16"	5	91257A468 7.86
7"	1" to 1 1/4"	5	91257A426 8.25	<b>3/8"-16—Head: Wd. 9/16"; Ht. 1 5/16"</b>				5 3/4"	1" to 1 5/16"	5	91257A469 9.78
7 1/2"	1" to 1 1/4"	5	91257A428 8.77	1/2"	Fully Threaded	50	92620A619 8.45	6"	1" to 1 5/16"	5	91257A470 10.06
8"	1" to 1 1/4"	5	91257A430 9.96	5/8"	Fully Threaded	50	92620A621 8.61	6 1/2"	1 1/4" to 1 9/16"	1	91257A472 3.14
<b>5/16"-18—Head: Wd. 1/2"; Ht. 1 3/16"</b>				3/4"	Fully Threaded	50	92620A622* 9.53	7"	1 1/4" to 1 9/16"	1	91257A474 2.96
1/2"	Fully Threaded	100	92620A578 12.14	7/8"	Fully Threaded	50	92620A623 11.85	8"	1 1/4" to 1 9/16"	1	91257A476 2.94
5/8"	Fully Threaded	50	92620A579 9.41	1"	Fully Threaded	50	92620A624* 10.59	10"	1 1/4" to 1 9/16"	1	91257A478 8.86
3/4"	Fully Threaded	50	92620A581* 8.27	1 1/8"	Fully Threaded	10	92620A630 12.25	<b>7/16"-14—Head: Wd. 5/8"; Ht. 9/16"</b>			
7/8"	Fully Threaded	50	92620A582 9.43	1 1/4"	Fully Threaded	50	92620A626* 10.96	3/4"	Fully Threaded	25	92620A667 8.32
1"	Fully Threaded	50	92620A583* 8.39	1 3/8"	Fully Threaded	5	92620A627 7.80	7/8"	Fully Threaded	25	92620A668 8.15
1 1/4"	Fully Threaded	50	92620A585* 9.71	1 1/2"	Fully Threaded	10	92620A628 7.30	1"	Fully Threaded	25	92620A669 9.63
1 3/8"	7/8" to 1 3/16"	25	91257A585 9.78	1 1/2"	1" to 1 5/16"	50	91257A628* 9.40	1 1/4"	Fully Threaded	25	92620A671 10.29
1 1/2"	Fully Threaded	10	92620A587 10.70	1 3/4"	Fully Threaded	10	92620A630 9.39	1 1/2"	Fully Threaded	25	92620A673 12.12
1 1/2"	7/8" to 1 3/16"	50	91257A587* 10.04	1 3/4"	1" to 1 5/16"	50	91257A630 14.92	1 3/4"	1 1/8" to 1 1/2"	10	91257A675 7.47
1 5/8"	7/8" to 1 3/16"	25	91257A588 11.00	2"	Fully Threaded	10	92620A632 10.03	2"	Fully Threaded	10	92620A677 8.24
1 3/4"	Fully Threaded	10	92620A589 6.19	2"	1" to 1 5/16"	25	91257A632* 8.66	2"	1 1/8" to 1 1/2"	10	91257A677 7.21
1 3/4"	7/8" to 1 3/16"	50	91257A589 9.75	2 1/4"	Fully Threaded	25	92620A633 11.81	2 1/4"	1 1/8" to 1 1/2"	10	91257A678 6.33
2"	Fully Threaded	10	92620A591 7.72	2 1/4"	1" to 1 5/16"	25	91257A633 11.19	2 1/2"	Fully Threaded	1	92620A681 8.92
2"	7/8" to 1 3/16"	50	91257A591 9.41	2 1/2"	Fully Threaded	5	92620A634 6.96	2 1/2"	1 1/8" to 1 1/2"	10	91257A679 7.21
2 1/4"	Fully Threaded	25	92620A301 9.70	2 1/2"	1" to 1 5/16"	25	91257A634 9.26	2 3/4"	1 1/8" to 1 1/2"	10	91257A680 7.02
2 1/4"	7/8" to 1 3/16"	25	91257A592 5.68	2 3/4"	Fully Threaded	10	92620A635 5.70	3"	Fully Threaded	1	92620A685 9.36
2 1/2"	Fully Threaded	10	92620A593 11.10	2 3/4"	1" to 1 5/16"	10	91257A635 6.61	3"	1 1/8" to 1 1/2"	10	91257A681 8.65
2 1/2"	7/8" to 1 3/16"	25	91257A593 8.55	3"	Fully Threaded	5	92620A636 8.67	3 1/4"	1 1/8" to 1 1/2"	10	91257A682 7.68
2 3/4"	7/8" to 1 3/16"	25	91257A596 8.59	3"	1" to 1 5/16"	25	91257A636 12.75	3 1/2"	1 1/8" to 1 1/2"	10	91257A683 8.99
3"	Fully Threaded	5	92620A595 4.56	3 1/4"	1" to 1 5/16"	10	91257A637 7.53	3 3/4"	1 1/8" to 1 1/2"	5	91257A684 4.82
3"	7/8" to 1 3/16"	25	91257A595 9.40	3 1/2"	Fully Threaded	5	92620A638 11.58	4"	1 1/8" to 1 1/2"	10	91257A685 11.73
3 1/4"	7/8" to 1 3/16"	25	91257A594 11.63	3 1/2"	1" to 1 5/16"	10	91257A638 7.76	4 1/4"	1 1/8" to 1 1/2"	5	91257A686 7.70
3 1/2"	Fully Threaded	5	92620A596 9.58	3 3/4"	1" to 1 5/16"	10	91257A639 9.00	4 1/2"	1 1/8" to 1 1/2"	5	91257A687 7.32
3 1/2"	7/8" to 1 3/16"	10	91257A597 6.50	4"	Fully Threaded	1	92620A639 3.16	4 3/4"	1 1/8" to 1 1/2"	5	91257A688 8.68
3 3/4"	7/8" to 1 3/16"	10	91257A599 6.33	4"	1" to 1 5/16"	10	91257A640 9.58	5"	1 1/8" to 1 1/2"	5	91257A689 7.71
4"	Fully Threaded	5	92620A597 10.36	4 1/4"	1" to 1 5/16"	5	91257A651 7.22	5 1/4"	1 1/8" to 1 1/2"	5	91257A152 9.28
4"	7/8" to 1 3/16"	10	91257A598 7.92	4 1/2"	Fully Threaded	1	92620A640 3.31	5 1/2"	1 1/8" to 1 1/2"	5	91257A690 9.55
4 1/4"	7/8" to 1 3/16"	5	91257A607 6.96	4 1/2"	1" to 1 5/16"	5	91257A642 9.12	6"	1 1/8" to 1 1/2"	5	91257A691 10.62
4 1/2"	Fully Threaded	5	92620A598 11.79	4 3/4"	1" to 1 5/16"	5	91257A643 8.32	6 1/2"	1 3/8" to 1 3/4"	1	91257A692 3.83
4 1/2"	7/8" to 1 3/16"	10	91257A600 10.51	5"	Fully Threaded	1	92620A641 3.60	7"	1 3/8" to 1 3/4"	1	91257A693 2.83
4 3/4"	7/8" to 1 3/16"	5	91257A116 8.06	5"	1" to 1 5/16"	5	91257A644 8.96	7 1/2"	1 3/8" to 1 3/4"	1	91257A694 2.93
5"	Fully Threaded	5	92620A599 12.42	5 1/4"	1" to 1 5/16"	5	91257A645 8.80	8"	1 3/8" to 1 3/4"	1	91257A695 3.60
5"	7/8" to 1 3/16"	5	91257A603 7.66	5 1/2"	Fully Threaded	1	92620A642 3.75	9"	1 3/8" to 1 3/4"	1	91257A696 5.40
5 1/4"	7/8" to 1 3/16"	5	91257A118 8.56	5 1/2"	1" to 1 5/16"	5	91257A646 7.34	10"	1 3/8" to 1 3/4"	1	91257A697 5.64
5 1/2"	Fully Threaded	1	92620A600 3.23	5 3/4"	1" to 1 5/16"	5	91257A647 9.28	12"	1 3/8" to 1 3/4"	1	91257A699 6.40
5 1/2"	7/8" to 1 3/16"	5	91257A601 7.56	6"	Fully Threaded	1	92620A643 3.29	<b>7/16"-20—Head: Wd. 5/8"; Ht. 9/16"</b>			
5 3/4"	7/8" to 1 3/16"	5	91257A120 9.04	6"	1" to 1 5/16"	5	91257A648 10.07	3/4"	Fully Threaded	25	92620A695 8.83
6"	Fully Threaded	1	92620A601 3.53	6 1/2"	1 1/4" to 1 9/16"	5	91257A649 10.33	7/8"	Fully Threaded	25	92620A698 11.27
6"	7/8" to 1 3/16"	5	91257A602 8.26	6 1/2"	1 1/4" to 1 9/16"	5	91257A650 10.71	1"	Fully Threaded	25	92620A696 10.73
6 1/2"	1 1/8" to 1 7/16"	5	91257A604 11.29	7"	1 1/4" to 1 9/16"	1	91257A652 3.81	1 1/4"	Fully Threaded	25	92620A697 10.81
7"	1 1/8" to 1 7/16"	5	91257A605 12.30	8 1/2"	1 1/4" to 1 9/16"	1	91257A653 4.50	1 1/2"	Fully Threaded	10	92620A699 6.85
7 1/2"	1 1/8" to 1 7/16"	1	91257A606 3.54	9"	1 1/4" to 1 9/16"	1	91257A654 4.62	1 3/4"	1 1/8" to 1 1/2"	10	91257A698 7.36
8"	1 1/8" to 1 7/16"	1	91257A435 1.70	9 1/2"	1 1/4" to 1 9/16"	1	91257A655 4.74	2"	1 1/8" to 1 1/2"	10	91257A701 7.22
9"	1 1/8" to 1 7/16"	1	91257A122 4.52	12"	1 1/4" to 1 9/16"	1	91257A656 5.72	2 1/4"	1 1/8" to 1 1/2"	10	91257A700 7.48
10"	1 1/8" to 1 7/16"	1	91257A126 4.64	<b>3/8"-24—Head: Wd. 9/16"; Ht. 1 5/16"</b>				2 1/2"	1 1/8" to 1 1/2"	10	91257A702 8.12
12"	1 1/8" to 1 7/16"	1	91257A130 5.62	1/2"	Fully Threaded	50	92620A653 10.70	2 3/4"	1 1/8" to 1 1/2"	10	91257A703 9.71
<b>5/16"-24—Head: Wd. 1/2"; Ht. 1 3/16"</b>				5/8"	Fully Threaded	25	92620A657 4.74	3"	1 1/8" to 1 1/2"	10	91257A704 9.85
1/2"	Fully Threaded	50	92620A605 8.57	3/4"	Fully Threaded	25	92620A654 5.81	3 1/4"	1 1/8" to 1 1/2"	10	91257A708 10.44
5/8"	Fully Threaded	50	92620A609 9.91	7/8"	Fully Threaded	25	92620A658 9.25	3 1/2"	1 1/8" to 1 1/2"	10	91257A705 11.15
3/4"	Fully Threaded	50	92620A606 9.21	1"	Fully Threaded	25	92620A655 6.88	4"	1 1/8" to 1 1/2"	5	91257A706 6.41
7/8"	Fully Threaded	50	92620A610 10.09	1 1/8"	Fully Threaded	5	92620A702 12.25	4 1/2"	1 1/8" to 1 1/2"	5	91257A710 7.87
1"	Fully Threaded	50	92620A607 9.19	1 1/4"	Fully Threaded	25	92620A656 9.53	5"	1 1/8" to 1 1/2"	5	91257A707 8.94
1 1/4"	Fully Threaded	50	92620A608 9.98	1 3/8"	Fully Threaded	1	92620A703 3.12	5 1/2"	1 1/8" to 1 1/2"	5	91257A711 10.44
1 1/2"	Fully Threaded	5	92620A611 12.42	1 1/2"	Fully Threaded	1	92620A648 3.08	6"	1 1/8" to 1 1/2"	5	91257A481 11.47
1 1/2"	7/8" to 1 3/16"	25	91257A609 6.99	1 1/2"	1" to 1 5/16"	25	91257A657 9.61	6 1/2"	1 3/8" to 1 3/4"	1	91257A483 3.10
1 3/4"	Fully Threaded	5	92620A305 12.57	1 3/4"	Fully Threaded	1	92620A649 3.27	7"	1 3/8" to 1 3/4"	1	91257A485 3.45
1 3/4"	7/8" to 1 3/16"	25	91257A610 8.40	1 3/4"	1" to 1 5/16"	25	91257A658 11.16	8"	1 3/8" to 1 3/4"	1	91257A487 3.72
2"	Fully Threaded	1	92620A612 3.16	2"	Fully Threaded	1	92620A650 3.42	<b>1/2"-13—Head: Wd. 3/4"; Ht. 5/16"</b>			
2"	7/8" to 1 3/16"	25	91257A611 7.98	2"	1" to 1 5/16"	25	91257A659 12.11	1/2"	Fully Threaded	10	92620A707 8.36
2 1/2"	7/8" to 1 3/16"	25	91257A612 9.45	2 1/4"	1" to 1 5/16"	10	91257A660 7.68	3/4"	Fully Threaded	25	92620A709 13.00
2 1/4"	7/8" to 1 3/16"	25	91257A614 8.48	2 1/2"	Fully Threaded	1	92620A659 3.71	7/8"	Fully Threaded	10	92620A710 7.03
2 1/2"	Fully Threaded	1	92620A613 3.31	2 1/2"	1" to 1 5/16"	10	91257A661 6.59	1"	Fully Threaded	25	92620A712* 11.25
2 3/4"	7/8" to 1 3/16"	25	91257A615 11.12	2 3/4"	1" to 1 5/16"	10	91257A662 7.02	1 1/8"	Fully Threaded	5	92620A713 7.99
3"	Fully Threaded	1	92620A614 3.60	3"	Fully Threaded	1	92620A660 3.94	1 1/4"	Fully Threaded	25	92620A714* 11.82
3"	7/8" to 1 3/16"	25	91257A613 11.88	3"	1" to 1 5/16"	10	91257A663 8.26	1 3/8"	Fully Threaded	5	92620A725 8.54
3 1/4"	7/8" to 1 3/16"	10	91257A616 7.07	3 1/4"	1" to 1 5/16"	10	91257A462 7.71	1 1/2"	Fully Threaded	25	92620A716* 12.18
3 1/2"	Fully Threaded	1	92620A615 3.79	3 1/2"	Fully Threaded	1	92620A661 3.29	1 3/4"	Fully Threaded	10	

# Hex Head Cap Screws

Technical drawings and 3-D models available for items with this symbol. 

For information about head dimensions, see page 3100. For nuts, see pages 3153-3178.

## High-Strength Steel—Grade 8 (Continued from previous page)




Made from alloy steel, these tough screws have a Class 2A thread fit and are marked on the head with six radial lines to indicate Grade 8. Screws are coated with zinc yellow-chromate for rust resistance, except 1<sup>1</sup>/<sub>8</sub>" and larger diameters, which are plain steel. All screws have a minimum Rockwell hardness of C33 and minimum tensile strength of 150,000 psi. All meet ASME B18.2.1 and SAE J429, except screws with a 2" diameter, which meet ASTM A354BD.

Screw length is measured from under the head. Screws that are fully threaded are also known as tap bolts.

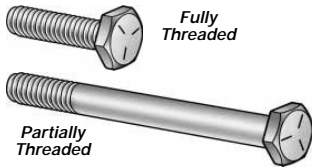
Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.			
<b>1/2"-13 (Cont.)</b>				<b>5/8"-12—Head: Wd. 1<sup>3</sup>/<sub>16</sub>"; Ht. 2<sup>3</sup>/<sub>64</sub>"</b>				<b>5/8"-11 (Cont.)</b>						
2 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	10	92620A723	10.43	1"	Fully Threaded	10	92620A758	6.84	11"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A178	6.96
2 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A723	10.66	1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	10	92620A759	8.83	12"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A182	7.58
3"	Fully Threaded	5	92620A724	12.74	1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	10	92620A761	11.82	<b>5/8"-18—Head: Wd. 1<sup>5</sup>/<sub>16</sub>"; Ht. 2<sup>5</sup>/<sub>64</sub>"</b>				
3"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A724	11.53	1 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	5	92620A763	4.55	1"	Fully Threaded	10	92620A815	8.88
3 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A725	10.05	2"	Fully Threaded	5	92620A765	7.88	1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	10	92620A817	9.56
3 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A726	3.89	2 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A766	6.59	1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	10	92620A824	10.58
3 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A726	11.58	2 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A767	6.97	1 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	10	92620A310	13.07
3 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A727	6.28	2 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A768	7.02	2"	Fully Threaded	5	92620A825	8.84
4"	Fully Threaded	1	92620A727	3.59	3"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A769	7.37	2 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	1	92620A592	5.43
4"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A728	7.57	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A770	7.79	2 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A826	5.50
4 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	1	91257A719	2.98	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A771	10.15	2 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A826	8.22
4 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A728	3.77	3 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A772	8.86	3"	Fully Threaded	1	92620A827	5.57
4 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A730	9.99	4"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A773	9.96	3"	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A827	10.25
4 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	1	91257A731	3.16	4 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A774	3.23	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A830	10.93
5"	Fully Threaded	1	92620A729	4.03	5"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A775	2.83	3 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A828	5.82
5"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A732	10.09	5 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A776	3.11	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A828	11.03
5 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	1	91257A735	3.28	6"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A777	3.18	3 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A831	10.87
5 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A730	4.21	6 <sup>1</sup> / <sub>2</sub> "	1 <sup>5</sup> / <sub>8</sub> " to 2 <sup>1</sup> / <sub>16</sub> "	1	91257A778	4.07	4"	Fully Threaded	1	92620A829	6.04
5 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A734	10.97	7"	1 <sup>5</sup> / <sub>8</sub> " to 2 <sup>1</sup> / <sub>16</sub> "	1	91257A779	5.00	4"	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A829	11.67
6"	Fully Threaded	1	92620A731	4.62	8"	1 <sup>5</sup> / <sub>8</sub> " to 2 <sup>1</sup> / <sub>16</sub> "	1	91257A793	23.65	4 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	1	91257A840	3.72
6"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A736	12.75	<b>5/8"-18—Head: Wd. 1<sup>3</sup>/<sub>16</sub>"; Ht. 2<sup>3</sup>/<sub>64</sub>"</b>				4 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	1	91257A832	2.97	
6 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A737	3.10	1"	Fully Threaded	10	92620A778	8.03	4 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	1	91257A191	3.76
7"	Fully Threaded	1	92620A732	10.56	1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	10	92620A779	8.79	5"	Fully Threaded	1	92620A315	10.37
7"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A738	3.76	1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	10	92620A780	8.04	5"	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A833	9.00
8"	Fully Threaded	1	92620A733	12.13	2"	Fully Threaded	10	92620A782	10.31	6"	1 <sup>1</sup> / <sub>2</sub> " to 2"	1	91257A834	3.68
8"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A740	4.79	3"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A784	8.92	6 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A193	3.67
8 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A741	4.11	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A791	7.54	7"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A835	4.89
9"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A742	5.68	4"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A785	11.50	7 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A195	4.46
10"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A743	8.02	4 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	5	91257A792	11.79	8"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A836	5.80
10 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A163	7.94	5"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A786	3.07	9"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A837	7.13
11"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A165	8.18	6"	1 <sup>3</sup> / <sub>8</sub> " to 1 <sup>13</sup> / <sub>16</sub> "	1	91257A788	3.59	10"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A838	8.70
12"	1 <sup>1</sup> / <sub>2</sub> " to 1 <sup>7</sup> / <sub>8</sub> "	1	91257A167	8.32	<b>5/8"-11—Head: Wd. 1<sup>5</sup>/<sub>16</sub>"; Ht. 2<sup>5</sup>/<sub>64</sub>"</b>				12"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A199	11.48	
<b>1/2"-20—Head: Wd. 3/4"; Ht. 5/16"</b>				<b>3/4"-11—Head: Wd. 1<sup>5</sup>/<sub>16</sub>"; Ht. 2<sup>5</sup>/<sub>64</sub>"</b>				<b>3/4"-10—Head: Wd. 1<sup>1</sup>/<sub>8</sub>"; Ht. 1<sup>5</sup>/<sub>32</sub>"</b>						
3/4"	Fully Threaded	10	92620A735	6.42	3/4"	Fully Threaded	5	92620A792	9.66	1"	Fully Threaded	5	92620A830	9.39
7/8"	Fully Threaded	10	92620A737	6.16	1"	Fully Threaded	10	92620A794	6.31	1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	5	92620A832	9.04
1"	Fully Threaded	25	92620A744	12.59	1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	10	92620A796	8.03	1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	5	92620A839	8.17
1 <sup>1</sup> / <sub>8</sub> "	Fully Threaded	10	92620A852	7.55	1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	10	92620A798	10.01	1 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	5	92620A834	10.85
1 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	10	92620A745	6.58	1 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	10	92620A800	11.27	2"	Fully Threaded	5	92620A843	9.76
1 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	10	92620A746	7.72	2"	Fully Threaded	10	92620A802	12.25	2 <sup>1</sup> / <sub>4</sub> "	Fully Threaded	5	92620A846	11.93
1 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	10	92620A747	9.09	2 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A803	6.14	2 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	5	92620A845	11.19
2"	Fully Threaded	1	92620A748	3.45	2 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A804	3.40	2 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	5	91257A844	13.00
2"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A748	8.84	2 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A804	8.00	3"	Fully Threaded	1	92620A847	4.56
2 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A749	11.71	2 <sup>3</sup> / <sub>4</sub> "	Fully Threaded	5	92620A805	7.88	3"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A847	3.14
2 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A749	3.59	2 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A805	9.62	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A848	3.47
2 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	10	91257A750	10.97	3"	Fully Threaded	1	92620A806	3.62	3 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A849	5.59
2 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A744	8.77	3"	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A806	9.35	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A849	3.65
3"	Fully Threaded	1	92620A750	3.71	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A811	8.75	3 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A850	4.44
3"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A751	8.75	3 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A808	4.30	4"	Fully Threaded	1	92620A851	6.86
3 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A745	7.44	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A808	10.39	4"	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A851	3.58
3 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A751	3.74	3 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A809	8.01	4 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A200	4.08
3 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A752	9.09	4"	Fully Threaded	1	92620A809	3.94	4 <sup>1</sup> / <sub>2</sub> "	Fully Threaded	1	92620A853	7.26
3 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A757	6.78	4"	1 <sup>1</sup> / <sub>2</sub> " to 2"	5	91257A810	10.06	4 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A852	3.74
4"	Fully Threaded	1	92620A752	4.16	4 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> " to 2"	1	91257A815	3.48	4 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>4</sub> "	1	91257A854	4.14
4"	1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>5</sup> / <sub>8</sub> "	5	91257A753	9.71	4 <sup>1</sup> / <sub>2</sub> "	F								

# Hex Head Cap Screws

Technical drawings and 3-D models available for items with this symbol. 

For information about head dimensions, see page 3100. For nuts, see pages 3153-3178.

## Medium-Strength Steel—Grade 5



Our medium strength screws have a Class 2A thread fit and are marked on the head with three radial lines to indicate Grade 5. 1" and smaller diameters have a rust-resistant zinc plating, a minimum Rockwell hardness of C25, and minimum tensile strength of 120,000 psi. 1 1/8" to 1 1/2" diameters are plain steel with a minimum Rockwell hardness of C19 and minimum tensile strength of 105,000 psi. 1 3/4" and 2" diameters are plain steel with a minimum Rockwell hardness of B90 and minimum tensile strength of 90,000 psi.

All meet ASME B18.2.1. Screws with 1 1/2" and smaller diameters meet SAE J429; those with 1 3/4" and 2" diameters meet ASTM A449. Screw length is measured from under the head. Fully threaded screws are also known as tap bolts.

Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.			
<b>1/4"-20—Head: Wd. 7/16"; Ht. 5/32"</b>				<b>5/16"-18—Head: Wd. 1/2"; Ht. 13/64"</b>				<b>3/8"-16—Head: Wd. 9/16"; Ht. 15/64"</b>						
3/8"	Fully Threaded	100	9.2865A535	\$9.00	1/2"	Fully Threaded	100	9.2865A578	\$7.05	1/2"	Fully Threaded	50	9.2865A619	\$7.92
1/2"	Fully Threaded	100	9.2865A537	4.74	5/8"	Fully Threaded	100	9.2865A580	7.41	5/8"	Fully Threaded	50	9.2865A621	7.51
5/8"	Fully Threaded	100	9.2865A938	5.18	3/4"	Fully Threaded	100	9.2865A581	8.44	3/4"	Fully Threaded	50	9.2865A622	7.84
3/4"	Fully Threaded	100	9.2865A540	5.58	7/8"	Fully Threaded	100	9.2865A582	8.54	7/8"	Fully Threaded	50	9.2865A623	8.54
7/8"	Fully Threaded	100	9.2865A541	6.06	1"	Fully Threaded	100	9.2865A583	11.78	1"	Fully Threaded	50	9.2865A624	7.92
1"	Fully Threaded	100	9.2865A542	6.62	1 1/4"	Fully Threaded	100	9.2865A585	11.53	1 1/4"	Fully Threaded	50	9.2865A626	9.20
1 1/4"	Fully Threaded	100	9.2865A544	10.82	1 1/2"	Fully Threaded	50	9.2865A587	9.56	1 1/2"	Fully Threaded	50	9.2865A628	12.83
1 1/2"	3/4" to 1"	100	9.1247A544	6.22	1 1/2"	7/8" to 1 3/16"	100	9.1247A587	11.17	1 1/2"	1" to 1 5/16"	50	9.1247A628	9.59
1 1/2"	Fully Threaded	100	9.2865A546	13.77	1 3/4"	Fully Threaded	50	9.2865A589	9.22	1 3/4"	Fully Threaded	25	9.2865A630	7.50
1 1/2"	3/4" to 1"	100	9.1247A546	7.23	1 3/4"	7/8" to 1 3/16"	50	9.1247A589	7.53	1 3/4"	1" to 1 5/16"	50	9.1247A630	10.25
1 3/4"	Fully Threaded	50	9.2865A548	8.28	2"	Fully Threaded	50	9.2865A591	13.54	2"	Fully Threaded	25	9.2865A632	8.53
1 3/4"	3/4" to 1"	100	9.1247A548	8.20	2"	7/8" to 1 3/16"	50	9.1247A591	8.52	2"	1" to 1 5/16"	50	9.1247A632	10.78
2"	Fully Threaded	50	9.2865A549	8.68	2 1/4"	Fully Threaded	25	9.2865A592	8.40	2 1/4"	Fully Threaded	25	9.2865A633	12.71
2"	3/4" to 1"	100	9.1247A550	9.79	2 1/4"	7/8" to 1 3/16"	50	9.1247A592	9.86	2 1/4"	1" to 1 5/16"	25	9.1247A633	7.70
2 1/4"	Fully Threaded	50	9.2865A551	8.43	2 1/2"	Fully Threaded	25	9.2865A593	9.13	2 1/2"	Fully Threaded	25	9.2865A634	10.69
2 1/4"	3/4" to 1"	100	9.1247A551	10.79	2 1/2"	7/8" to 1 3/16"	50	9.1247A593	11.84	2 1/2"	1" to 1 5/16"	25	9.1247A634	8.45
2 1/2"	Fully Threaded	25	9.2865A552	6.40	2 3/4"	Fully Threaded	25	9.2865A594	9.26	2 3/4"	Fully Threaded	10	9.2865A635	6.77
2 1/2"	3/4" to 1"	50	9.1247A552	7.77	2 3/4"	7/8" to 1 3/16"	50	9.1247A594	9.78	2 3/4"	1" to 1 5/16"	25	9.1247A635	8.11
2 3/4"	3/4" to 1"	50	9.1247A553	8.62	3"	Fully Threaded	25	9.2865A595	10.48	3"	Fully Threaded	25	9.2865A636	12.52
3"	Fully Threaded	10	9.2865A554	6.03	3"	7/8" to 1 3/16"	50	9.1247A595	10.57	3"	1" to 1 5/16"	25	9.1247A636	8.78
3"	3/4" to 1"	50	9.1247A554	7.89	3 1/4"	7/8" to 1 3/16"	25	9.1247A596	8.65	3 1/4"	1" to 1 5/16"	25	9.1247A637	10.12
3 1/4"	3/4" to 1"	50	9.1247A555	12.75	3 1/2"	Fully Threaded	5	9.2865A597	4.33	3 1/2"	Fully Threaded	10	9.2865A638	6.84
3 1/2"	Fully Threaded	10	9.2865A556	6.30	3 1/2"	7/8" to 1 3/16"	25	9.1247A597	9.73	3 1/2"	1" to 1 5/16"	25	9.1247A638	10.12
3 1/2"	3/4" to 1"	50	9.1247A556	10.70	3 3/4"	7/8" to 1 3/16"	25	9.1247A598	10.10	3 3/4"	1" to 1 5/16"	25	9.1247A639	9.75
3 3/4"	3/4" to 1"	25	9.1247A557	5.68	4"	Fully Threaded	5	9.2865A599	5.55	4"	Fully Threaded	5	9.2865A641	7.01
4"	Fully Threaded	10	9.2865A558	7.14	4"	7/8" to 1 3/16"	25	9.1247A599	9.99	4"	1" to 1 5/16"	25	9.1247A640	10.09
4"	3/4" to 1"	25	9.1247A558	5.34	4 1/2"	Fully Threaded	5	9.2865A603	8.49	4 1/2"	Fully Threaded	5	9.2865A643	8.43
4 1/2"	Fully Threaded	10	9.2865A560	6.96	4 1/2"	7/8" to 1 3/16"	25	9.1247A601	10.04	4 1/2"	1" to 1 5/16"	10	9.1247A642	6.59
4 1/2"	3/4" to 1"	25	9.1247A560	8.69	5"	Fully Threaded	5	9.2865A605	12.41	5"	Fully Threaded	5	9.2865A645	8.88
5"	Fully Threaded	5	9.2865A562	4.64	5"	7/8" to 1 3/16"	10	9.1247A603	6.09	5"	1" to 1 5/16"	10	9.1247A644	7.80
5"	3/4" to 1"	25	9.1247A562	10.55	5 1/2"	Fully Threaded	1	9.2865A607	3.08	5 1/2"	Fully Threaded	5	9.2865A647	9.57
5 1/2"	3/4" to 1"	25	9.1247A564	11.71	5 1/2"	7/8" to 1 3/16"	10	9.1247A605	7.06	5 1/2"	1" to 1 5/16"	10	9.1247A646	7.98
6"	Fully Threaded	5	9.2865A564	5.31	6"	Fully Threaded	1	9.2865A609	3.23	6"	Fully Threaded	1	9.2865A648	3.29
6"	3/4" to 1"	10	9.1247A566	6.20	6"	7/8" to 1 3/16"	10	9.1247A607	7.96	6"	1" to 1 5/16"	10	9.1247A648	9.76
6 1/2"	Fully Threaded	1	9.2865A566	8.02	6 1/2"	Fully Threaded	1	9.2865A610	8.36	6 1/2"	Fully Threaded	1	9.2865A650	8.55
6 1/2"	1" to 1 1/4"	10	9.1247A567	6.11	6 1/2"	1 1/8" to 1 1/16"	10	9.1247A608	7.91	6 1/2"	1 1/4" to 1 9/16"	10	9.1247A649	8.91
7"	Fully Threaded	1	9.2865A568	8.55	7"	Fully Threaded	1	9.2865A612	8.66	7"	Fully Threaded	1	9.2865A652	9.22
7"	1" to 1 1/4"	10	9.1247A568	6.33	7"	1 1/8" to 1 1/16"	5	9.1247A609	4.01	7"	1 1/4" to 1 9/16"	5	9.1247A650	5.39
7 1/2"	Fully Threaded	1	9.2865A570	9.05	7 1/2"	Fully Threaded	1	9.2865A614	9.37	7 1/2"	Fully Threaded	1	9.2865A654	9.48
7 1/2"	1" to 1 1/4"	5	9.1247A569	3.49	7 1/2"	1 1/8" to 1 1/16"	5	9.1247A610	4.45	7 1/2"	1 1/4" to 1 9/16"	5	9.1247A651	5.88
8"	Fully Threaded	1	9.2865A572	9.34	8"	Fully Threaded	1	9.2865A616	9.58	8"	Fully Threaded	1	9.2865A656	9.66
8"	1" to 1 1/4"	5	9.1247A570	3.68	8"	1 1/8" to 1 1/16"	5	9.1247A611	4.73	8"	1 1/4" to 1 9/16"	5	9.1247A652	5.93
<b>1/4"-28—Head: Wd. 7/16"; Ht. 5/32"</b>				<b>5/16"-24—Head: Wd. 1/2"; Ht. 13/64"</b>				<b>3/8"-24—Head: Wd. 9/16"; Ht. 15/64"</b>						
1/2"	Fully Threaded	100	9.2865A002	6.54	1/2"	Fully Threaded	100	9.2865A101	9.58	1/2"	Fully Threaded	50	9.2865A211	9.41
5/8"	Fully Threaded	100	9.2865A004	6.74	5/8"	Fully Threaded	100	9.2865A103	9.95	5/8"	Fully Threaded	25	9.2865A212	7.76
3/4"	Fully Threaded	100	9.2865A006	7.24	3/4"	Fully Threaded	100	9.2865A105	10.75	3/4"	Fully Threaded	50	9.2865A213	8.81
1"	Fully Threaded	100	9.2865A008	9.25	1"	Fully Threaded	50	9.2865A107	7.89	7/8"	Fully Threaded	50	9.2865A214	10.97
1 1/4"	Fully Threaded	100	9.2865A010	12.78	1 1/4"	Fully Threaded	50	9.2865A109	8.76	1"	Fully Threaded	50	9.2865A215	11.20
1 1/4"	3/4" to 1"	100	9.1247A010	9.01	1 1/2"	Fully Threaded	50	9.2865A113	10.41	1 1/4"	Fully Threaded	50	9.2865A217	9.36
1 1/2"	Fully Threaded	10	9.2865A012	10.05	1 1/2"	7/8" to 1 3/16"	50	9.1247A110	8.77	1 1/2"	Fully Threaded	10	9.2865A219	10.26
1 1/2"	3/4" to 1"	50	9.1247A012	7.51	1 3/4"	7/8" to 1 3/16"	50	9.1247A112	9.69	1 3/4"	Fully Threaded	25	9.2865A220	7.79
1 3/4"	Fully Threaded	10	9.2865A014	11.63	2"	Fully Threaded	25	9.2865A117	7.19	1 3/4"	1" to 1 5/16"	25	9.1247A221	7.77
1 3/4"	3/4" to 1"	50	9.1247A014	8.07	2"	7/8" to 1 3/16"	50	9.1247A114	9.78	2"	Fully Threaded	50	9.2865A217	9.36
2"	Fully Threaded	10	9.2865A016	12.25	2 1/4"	7/8" to 1 3/16"	50	9.1247A116	11.98	1 1/2"	1" to 1 5/16"	50	9.1247A219	10.26
2"	3/4" to 1"	50	9.1247A016	8.32	2 1/2"	7/8" to 1 3/16"	25	9.1247A118	7.89	1 3/4"	Fully Threaded	25	9.2865A220	7.79
2 1/4"	3/4" to 1"	50	9.1247A018	8.44	2 3/4"	7/8" to 1 3/16"	25	9.1247A120	6.91	2"	Fully Threaded	25	9.2865A221	10.56
2 1/2"	Fully Threaded	5	9.2865A018	9.66	3"	Fully Threaded	25	9.2865A121	10.37	2"	1" to 1 5/16"	25	9.1247A223	7.85
2 1/2"	3/4" to 1"	50	9.1247A020	10.28	3"	7/8" to 1 3/16"	25	9.1247A122	7.41	2 1/4"	1" to 1 5/16"	25	9.1247A225	8.79
2 3/4"	3/4" to 1"	50	9.1247A022	10.18	3 1/4"	7/8" to 1 3/16"	25	9.1247A124	8.73	2 1/2"	Fully Threaded	5	9.2865A223	12.25
3"	Fully Threaded	5	9.2865A020	8.79	3 1/2"	7/8" to 1 3/16"	25	9.1247A126	8.86	2 1/2"	1" to 1 5/16"	50	9.1247A227	9.37
3"	3/4" to 1"	50	9.1247A024	10.87	3 3/4"	7/8" to 1 3/16"	25	9.1247A127	10.88	2 3/4"	1" to 1 5/16"	25	9.1247A229	8.49
3 1/4"	3/4" to 1"	25	9.1247A025	7.64	4"	7/8" to 1 3/16"	25	9.1247A128	10.02	3"	Fully Threaded	1	9.2865A225	3.12
3 1/2"	3/4" to 1"	25	9.1247A026	6.52	4 1/2"	7/8" to 1 3/16"	10	9.1247A130	6.64	3"	1" to 1 5/16"	25	9.1247A231	9.44
3 3/4"	3/4" to 1"	25	9.1247A027	8.45	5"	7/8" to 1 3/16"	10	9.1247A132	7.27	3 1/4"	1" to 1 5/16"	25	9.1247A232	10.46
4"	3/4" to 1"	25	9.1247A028	7.24	5 1/2"	7/8" to 1 3/16"	10	9.1247A134	7.81	3 1/2"	Fully Threaded	1	9.2865A227	3.23
4 1/2"	3/4" to 1"	10	9.1247A030	6.02	6"	7/8" to 1 3/16"	10	9.1247A135	8.73	3 1				



Technical drawings and 3-D models available for items with this symbol.


# Hex Head Cap Screws

For information about head dimensions, see page 3100. For nuts, see pages 3153-3178.

## Medium-Strength Steel—Grade 5 (Continued from previous page)

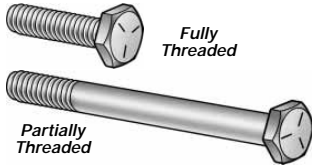
Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg. Min. to Max.	Pkg. Qty.	Per Pkg.			
<b>3/8"-24 (Cont.)</b>				<b>1/2"-13 (Cont.)</b>				<b>9/16"-18—Head: Wd. 13/16"; Ht. 23/64"</b>						
4 1/2"	Fully Threaded	1	92865A231	2 1/2"	1 1/4" to 1 5/8"	10	91247A722	1"	Fully Threaded	10	92865A401			
4 1/2"	1" to 1 5/16"	10	91247A237	2 1/2"	Fully Threaded	10	92865A723	1 1/4"	Fully Threaded	10	92865A402			
5"	Fully Threaded	1	92865A235	2 3/4"	1 1/4" to 1 5/8"	10	91247A723	1 1/2"	Fully Threaded	10	92865A403			
5"	1" to 1 5/16"	10	91247A239	3"	Fully Threaded	10	92865A724	2"	Fully Threaded	10	92865A405			
5 1/2"	1" to 1 5/16"	10	91247A241	3"	1 1/4" to 1 5/8"	10	91247A724	2 1/4"	1 3/8" to 1 13/16"	10	91247A406			
6"	1" to 1 5/16"	10	91247A243	3 1/4"	1 1/4" to 1 5/8"	10	91247A725	2 1/2"	1 3/8" to 1 3/4"	10	91247A407			
6 1/2"	1 1/4" to 1 5/16"	5	91247A245	3 1/2"	Fully Threaded	10	92865A726	2 3/4"	1 3/8" to 1 13/16"	10	91247A408			
7"	1 1/4" to 1 5/16"	5	91247A247	3 1/2"	1 1/4" to 1 5/8"	10	91247A726	3"	1 3/8" to 1 13/16"	10	91247A409			
<b>7/16"-14—Head: Wd. 5/8"; Ht. 9/32"</b>				<b>3 3/4"</b>				1 1/4" to 1 5/8"	10	91247A729	3 1/4"	1 3/8" to 1 13/16"	5	91247A410
3/4"	Fully Threaded	50	92865A667	4"	Fully Threaded	5	92865A728	3 1/2"	1 3/8" to 1 13/16"	5	91247A411			
7/8"	Fully Threaded	25	92865A668	4"	1 1/4" to 1 5/8"	10	91247A728	4"	1 3/8" to 1 13/16"	5	91247A413			
1"	Fully Threaded	50	92865A669	4 1/2"	Fully Threaded	5	92865A730	4 1/2"	1 3/8" to 1 13/16"	5	91247A414			
1 1/4"	Fully Threaded	50	92865A671	4 1/2"	1 1/4" to 1 5/8"	10	91247A730	5"	1 3/8" to 1 13/16"	5	91247A416			
1 1/2"	Fully Threaded	25	92865A673	5"	Fully Threaded	1	92865A732	5 1/2"	1 3/8" to 1 13/16"	5	91247A418			
1 3/4"	1 1/8" to 1 1/2"	25	91247A675	5"	1 1/4" to 1 5/8"	10	91247A732	6"	1 3/8" to 1 13/16"	5	91247A420			
2"	Fully Threaded	5	92865A675	5 1/2"	Fully Threaded	1	92865A734	<b>5/8"-11—Head: Wd. 15/16"; Ht. 25/64"</b>						
2"	1 1/8" to 1 1/2"	25	91247A677	5 1/2"	1 1/4" to 1 5/8"	10	91247A734	1"	Fully Threaded	10	92865A794			
2 1/4"	1 1/8" to 1 1/2"	25	91247A678	6"	Fully Threaded	1	92865A736	1 1/4"	Fully Threaded	10	92865A796			
2 1/2"	Fully Threaded	5	92865A677	6"	1 1/4" to 1 5/8"	5	91247A736	1 1/2"	Fully Threaded	10	92865A798			
2 1/2"	1 1/8" to 1 1/2"	25	91247A679	6 1/2"	1 1/2" to 1 7/8"	5	91247A737	1 3/4"	Fully Threaded	10	92865A800			
2 3/4"	1 1/8" to 1 1/2"	25	91247A680	7"	Fully Threaded	1	92865A738	2"	Fully Threaded	10	92865A802			
3"	Fully Threaded	5	92865A679	7"	1 1/2" to 1 7/8"	5	91247A738	2 1/4"	Fully Threaded	1	92865A803			
3"	1 1/8" to 1 1/2"	10	91247A681	7 1/2"	1 1/2" to 1 7/8"	5	91247A739	2 1/4"	1 1/2" to 2"	10	91247A803			
3 1/2"	Fully Threaded	1	92865A681	8"	Fully Threaded	1	92865A740	2 1/2"	Fully Threaded	5	92865A804			
3 1/2"	1 1/8" to 1 1/2"	10	91247A683	8"	1 1/2" to 1 7/8"	5	91247A740	2 1/2"	1 1/2" to 2"	10	91247A804			
3 3/4"	1 1/8" to 1 1/2"	10	91247A684	8 1/2"	Fully Threaded	1	92865A742	2 3/4"	Fully Threaded	5	92865A805			
4"	Fully Threaded	1	92865A683	9"	Fully Threaded	1	92865A744	2 3/4"	1 1/2" to 2"	10	91247A805			
4"	1 1/8" to 1 1/2"	10	91247A685	9"	1 1/2" to 1 7/8"	1	91247A742	3"	Fully Threaded	5	92865A806			
4 1/2"	Fully Threaded	1	92865A685	9 1/2"	Fully Threaded	1	92865A746	3"	1 1/2" to 2"	10	91247A806			
4 1/2"	1 1/8" to 1 1/2"	10	91247A687	10"	Fully Threaded	1	92865A748	3 1/4"	1 1/2" to 2"	10	91247A807			
5"	Fully Threaded	1	92865A687	10"	1 1/2" to 1 7/8"	1	91247A746	3 1/2"	Fully Threaded	5	92865A808			
5"	1 1/8" to 1 1/2"	10	91247A689	<b>1 1/2"-20—Head: Wd. 3/4"; Ht. 5/16"</b>				3 1/2"	1 1/2" to 2"	10	91247A808			
5 1/2"	Fully Threaded	1	92865A689	3/4"	Fully Threaded	25	92865A350	3 3/4"	1 1/2" to 2"	5	91247A811			
5 1/2"	1 1/8" to 1 1/2"	10	91247A691	1"	Fully Threaded	25	92865A352	4"	Fully Threaded	5	92865A810			
6"	Fully Threaded	1	92865A672	1 1/4"	Fully Threaded	25	92865A353	4"	1 1/2" to 2"	5	91247A810			
6"	1 1/8" to 1 1/2"	5	91247A693	1 1/2"	Fully Threaded	25	92865A354	4 1/2"	Fully Threaded	1	92865A812			
6 1/2"	1 3/8" to 1 3/4"	5	91247A694	1 3/4"	Fully Threaded	10	92865A355	4 1/2"	1 1/2" to 2"	5	91247A812			
7"	Fully Threaded	1	92865A674	2"	Fully Threaded	5	92865A356	5"	Fully Threaded	1	92865A814			
7"	1 3/8" to 1 3/4"	5	91247A695	2"	1 1/4" to 1 5/8"	10	91247A356	5 1/2"	Fully Threaded	1	92865A816			
7 1/2"	1 3/8" to 1 3/4"	5	91247A696	2 1/4"	1 1/4" to 1 5/8"	10	91247A357	5"	1 1/2" to 2"	5	91247A814			
8"	1 3/8" to 1 3/4"	5	91247A698	2 1/2"	Fully Threaded	1	92865A358	5 1/2"	1 1/2" to 2"	5	91247A816			
<b>7/16"-20—Head: Wd. 5/8"; Ht. 9/32"</b>				2 1/2"	1 1/4" to 1 5/8"	10	91247A358	6"	Fully Threaded	1	92865A818			
3/4"	Fully Threaded	50	92865A310	2 3/4"	1 1/4" to 1 5/8"	10	91247A359	6"	1 1/2" to 2"	5	91247A818			
1"	Fully Threaded	25	92865A312	3"	Fully Threaded	1	92865A360	6 1/2"	Fully Threaded	1	92865A822			
1 1/4"	Fully Threaded	25	92865A314	3"	1 1/4" to 1 5/8"	10	91247A360	6 1/2"	1 3/4" to 2 1/4"	5	91247A819			
1 1/2"	Fully Threaded	25	92865A316	3 1/4"	1 1/4" to 1 5/8"	10	91247A361	7"	Fully Threaded	1	92865A824			
1 3/4"	1 1/8" to 1 1/2"	25	91247A318	3 1/2"	Fully Threaded	1	92865A362	7"	1 3/4" to 2 1/4"	1	91247A820			
2"	Fully Threaded	1	92865A318	3 1/2"	1 1/4" to 1 5/8"	10	91247A362	7 1/2"	Fully Threaded	1	92865A825			
2"	1 1/8" to 1 1/2"	25	91247A320	4"	Fully Threaded	1	92865A364	7 1/2"	1 3/4" to 2 1/4"	1	91247A821			
2 1/4"	1 1/8" to 1 1/2"	25	91247A322	4"	1 1/4" to 1 5/8"	10	91247A364	8"	Fully Threaded	1	92865A822			
2 1/2"	Fully Threaded	1	92865A320	4 1/2"	Fully Threaded	1	92865A366	8"	1 3/4" to 2 1/4"	1	91247A822			
2 1/2"	1 1/8" to 1 1/2"	10	91247A324	4 1/2"	1 1/4" to 1 5/8"	10	91247A366	8 1/2"	Fully Threaded	1	92865A284			
2 3/4"	1 1/8" to 1 1/2"	10	91247A326	5"	Fully Threaded	1	92865A368	8 1/2"	1 3/4" to 2 1/4"	1	91247A823			
3"	Fully Threaded	1	92865A322	5"	1 1/4" to 1 5/8"	5	91247A368	9"	Fully Threaded	1	92865A286			
3"	1 1/8" to 1 1/2"	10	91247A328	5 1/2"	Fully Threaded	1	92865A370	9"	1 3/4" to 2 1/4"	1	91247A824			
3 1/4"	1 1/8" to 1 1/2"	10	91247A331	5 1/2"	1 1/4" to 1 5/8"	5	91247A369	9 1/2"	Fully Threaded	1	92865A288			
3 1/2"	Fully Threaded	1	92865A324	6"	1 1/4" to 1 5/8"	5	91247A370	10"	Fully Threaded	1	92865A290			
3 1/2"	1 1/8" to 1 1/2"	10	91247A329	6 1/2"	1 1/2" to 1 7/8"	1	91247A371	10"	1 3/4" to 2 1/4"	1	91247A826			
3 3/4"	1 1/8" to 1 1/2"	10	91247A332	7"	1 1/2" to 1 7/8"	5	91247A372	<b>5/8"-18—Head: Wd. 15/16"; Ht. 25/64"</b>						
4"	Fully Threaded	1	92865A326	7 1/2"	1 1/2" to 1 7/8"	5	91247A373	1"	Fully Threaded	10	92865A431			
4"	1 1/8" to 1 1/2"	10	91247A330	8"	1 1/2" to 1 7/8"	1	91247A374	1 1/4"	Fully Threaded	10	92865A432			
4 1/2"	Fully Threaded	1	92865A328	<b>9/16"-12—Head: Wd. 13/16"; Ht. 23/64"</b>				1 1/2"	Fully Threaded	10	92865A433			
4 1/2"	1 1/8" to 1 1/2"	10	91247A333	1"	Fully Threaded	25	92865A757	1 3/4"	Fully Threaded	10	92865A435			
5"	1 1/8" to 1 1/2"	10	91247A334	1 1/4"	Fully Threaded	25	92865A759	2"	Fully Threaded	10	92865A436			
5 1/2"	1 1/8" to 1 1/2"	5	91247A335	1 1/2"	Fully Threaded	10	92865A761	2 1/4"	1 1/2" to 2"	10	91247A437			
6"	1 1/8" to 1 1/2"	5	91247A339	1 3/4"	Fully Threaded	10	92865A763	2 1/2"	Fully Threaded	1	92865A438			
6 1/2"	1 3/8" to 1 3/4"	5	91247A341	2"	Fully Threaded	10	92865A765	2 1/2"	1 1/2" to 2"	10	91247A438			
7"	1 3/8" to 1 3/4"	5	91247A343	2 1/4"	1 3/8" to 1 13/16"	10	91247A766	2 3/4"	1 1/2" to 2"	10	91247A439			
7 1/2"	1 3/8" to 1 3/4"	1	91247A345	2 1/2"	1 3/8" to 1 13/16"	10	91247A767	3"	Fully Threaded	1	92865A440			
<b>1/2"-13—Head: Wd. 3/4"; Ht. 5/16"</b>				2 3/4"	1 3/8" to 1 13/16"	10	91247A768	3"	1 1/2" to 2"	5	91247A440			
3/4"	Fully Threaded	25	92865A710	3"	1 3/8" to 1 13/16"	10	91247A769	3 1/4"	1 1/2" to 2"	5	91247A441			
7/8"	Fully Threaded	25	92865A711	3 1/4"	1 3/8" to 1 13/16"	10	91247A770	3 1/2"	Fully Threaded	1	92865A442			
1"	Fully Threaded	25	92865A712	3 1/2"	1 3/8" to 1 13/16"	10	91247A771	4"	Fully Threaded	1	92865A444			
1 1/4"	Fully Threaded	25	92865A714	4"	1 3/8" to 1 13/16"	5	91247A772	4"	1 1/2" to 2"	5	91247A444			
1 1/2"	Fully Threaded	25	92865A716	4 1/2"	1 3/8" to 1 13/16"	5	91247A775	4 1/2"	Fully Threaded	1	92865A446			
1 3/4"	Fully Threaded	25	92865A718	5"	1 3/8" to 1 13/16"	5	91247A777	4 1/2"	1 1/2" to 2"	5	91247A446			
2"	Fully Threaded	10	92865A720	5 1/2"	1 3/8" to 1 13/16"	5	91247A779	5"	Fully Threaded	1	92865A448			
2"	1 1/4" to 1 5/8"	25	91247A720	6"	1 3/8" to 1 13/16"	5	91247A781	5"	1 1/2" to 2"	5	91247A448			
2 1/4"	Fully Threaded	10	92865A721	6 1/2"	1 5/8" to 2 1/16"	1	91247A783	5 1/2"	Fully Threaded	1	92865A450			
2 1/4"	1 1/4" to 1 5/8"	25	91247A721	7"	1 5/8" to 2 1/16"	1	91247A785	<b>(Continued on following page)</b>						
2 1/2"	Fully Threaded	10	92865A722											

# Hex Head Cap Screws

Technical drawings and 3-D models available for items with this symbol. 

For information about head dimensions, see page 3100. For nuts, see pages 3153-3178.

## Medium-Strength Steel—Grade 5 (Continued from previous page)



Our medium strength screws have a Class 2A thread fit and are marked on the head with three radial lines to indicate Grade 5. 1" and smaller diameters have a rust-resistant zinc plating, a minimum Rockwell hardness of C25, and minimum tensile strength of 120,000 psi. 1 1/8" to 1 1/2" diameters are plain steel with a minimum Rockwell hardness of C19 and minimum tensile strength of 105,000 psi. 1 3/4" and 2" diameters are plain steel with a minimum Rockwell hardness of B90 and minimum tensile strength of 90,000 psi.

All meet ASME B18.2.1. Screws with 1 1/2" and smaller diameters meet SAE J429; those with 1 3/4" and 2" diameters meet ASTM A449. Screw length is measured from under the head. Fully threaded screws are also known as tap bolts.

Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.	Lg.	Thread Lg., Min. to Max.	Pkg. Qty.	Per Pkg.
<b>5/8"-18 (Cont.)</b>				<b>3/4"-16 (Cont.)</b>				<b>1"-8 (Cont.)</b>			
5 1/2"	1 1/2" to 2"	1	91247A449 \$3.11	6"	Fully Threaded	1	92865A502 \$13.08	6 1/2"	2 1/2" to 3 1/8"	1	91247A929 \$7.73
6"	Fully Threaded	5	92865A452 12.57	6"	1 3/4" to 2 1/4"	1	91247A487 4.01	7"	2 1/2" to 3 1/8"	1	91247A930 6.81
6"	1 1/2" to 2"	1	91247A450 3.22	6 1/2"	2" to 2 1/2"	1	91247A488 5.43	7 1/2"	2 1/2" to 3 1/8"	1	91247A931 9.08
6 1/2"	1 3/4" to 2 1/4"	1	91247A451 4.16	7"	2" to 2 1/2"	1	91247A489 4.51	8"	2 1/2" to 3 1/8"	1	91247A932 8.31
7"	1 3/4" to 2 1/4"	1	91247A453 4.38	7 1/2"	2" to 2 1/2"	1	91247A490 6.40	8 1/2"	2 1/2" to 3 1/8"	1	91247A933 11.31
7 1/2"	1 3/4" to 2 1/4"	1	91247A455 4.13	8"	2" to 2 1/2"	1	91247A492 6.60	9"	2 1/2" to 3 1/8"	1	91247A935 9.34
8"	1 3/4" to 2 1/4"	1	91247A457 4.51	8 1/2"	2" to 2 1/2"	1	91247A494 7.44	10"	2 1/2" to 3 1/8"	1	91247A934 10.21
8 1/2"	1 3/4" to 2 1/4"	1	91247A459 4.33	9"	2" to 2 1/2"	1	91247A496 7.99	<b>1"-14—Head: Wd. 1 1/2"; Ht. 3/64"</b>			
9"	1 3/4" to 2 1/4"	1	91247A461 5.38	10"	2" to 2 1/2"	1	91247A498 9.36	2"	Fully Threaded	1	92865A520 3.33
10"	1 3/4" to 2 1/4"	1	91247A463 6.03	<b>7/8"-9—Head: Wd. 1 5/16"; Ht. 3/64"</b>				2 1/2"	Fully Threaded	1	92865A522 3.59
<b>3/4"-10—Head: Wd. 1 1/8"; Ht. 1 5/32"</b>				1 1/2"	Fully Threaded	5	92865A876 9.66	3"	Fully Threaded	1	92865A524 3.84
1"	Fully Threaded	10	92865A835 9.07	2"	Fully Threaded	5	92865A880 9.53	3 1/4"	2 1/4" to 2 7/8"	1	91247A525 5.03
1 1/4"	Fully Threaded	5	92865A837 8.98	2 1/4"	Fully Threaded	5	92865A881 9.15	3 1/2"	2 1/4" to 2 7/8"	1	91247A527 3.83
1 1/2"	Fully Threaded	10	92865A839 10.18	2 1/2"	Fully Threaded	5	92865A884 12.26	3 3/4"	2 1/4" to 2 7/8"	1	91247A528 3.65
1 3/4"	Fully Threaded	10	92865A841 10.24	2 3/4"	Fully Threaded	5	92865A883 11.81	4"	2 1/4" to 2 7/8"	1	91247A526 4.23
2"	Fully Threaded	5	92865A843 7.65	3"	Fully Threaded	1	92865A885 8.41	4 1/2"	2 1/4" to 2 7/8"	1	91247A531 4.59
2 1/4"	Fully Threaded	5	92865A844 8.99	3 1/2"	2" to 2 3/16"	5	91247A884 10.97	5"	2 1/4" to 2 7/8"	1	91247A532 5.05
2 1/2"	Fully Threaded	5	92865A845 7.87	3 3/4"	2" to 2 3/16"	5	91247A885 11.52	5 1/2"	2 1/4" to 2 7/8"	1	91247A533 7.38
2 3/4"	1 3/4" to 2 1/4"	5	91247A846 6.37	3 1/2"	Fully Threaded	1	92865A887 8.93	6"	2 1/4" to 2 7/8"	1	91247A529 6.34
3"	Fully Threaded	5	92865A847 11.77	3 1/2"	2" to 2 3/16"	1	91247A886 3.25	6 1/2"	2 1/2" to 3 1/8"	1	91247A534 9.25
3"	1 3/4" to 2 1/4"	5	91247A847 6.79	3 3/4"	2" to 2 3/16"	1	91247A887 3.42	7"	2 1/2" to 3 1/8"	1	91247A499 10.26
3 1/4"	1 3/4" to 2 1/4"	5	91247A848 7.26	4"	Fully Threaded	1	92865A889 9.09	8"	2 1/2" to 3 1/8"	1	91247A501 11.28
3 1/2"	Fully Threaded	5	92865A849 12.83	4"	2" to 2 3/16"	1	91247A888 3.59	9"	2 1/2" to 3 1/8"	1	91247A502 13.40
3 1/2"	1 3/4" to 2 1/4"	5	91247A849 10.41	4 1/2"	Fully Threaded	1	92865A891 9.37	10"	2 1/2" to 3 1/8"	1	91247A503 15.88
3 3/4"	1 3/4" to 2 1/4"	5	91247A854 12.19	4 1/2"	2" to 2 3/16"	1	91247A890 3.92	<b>1 1/8"-7—Head: Wd. 1 1/16"; Ht. 1 1/16"</b>			
4"	Fully Threaded	1	92865A851 3.30	5"	Fully Threaded	1	92865A893 9.66	2"	Fully Threaded	1	91283A128 3.97
4"	1 3/4" to 2 1/4"	5	91247A851 11.14	5 1/2"	2" to 2 3/16"	1	91247A892 3.87	2 1/2"	Fully Threaded	1	91283A132 4.35
4 1/2"	1 3/4" to 2 1/4"	5	91247A853 9.21	5 1/2"	2" to 2 3/16"	1	91247A894 3.92	3"	Fully Threaded	1	91283A136 4.10
5"	Fully Threaded	1	92865A855 3.43	6"	2" to 2 3/16"	1	91247A896 4.09	4"	2 1/2" to 3 1/4"	1	91283A144 4.72
5"	1 3/4" to 2 1/4"	1	91247A855 3.12	6 1/2"	2 1/4" to 2 13/16"	1	91247A897 5.13	4 1/2"	2 1/2" to 3 1/4"	1	91283A148 4.87
5 1/2"	Fully Threaded	1	92865A857 6.50	7"	2 1/4" to 2 13/16"	1	91247A898 5.42	5"	2 1/2" to 3 1/4"	1	91283A150 5.34
5 1/2"	1 3/4" to 2 1/4"	1	91247A857 3.19	7 1/2"	2 1/4" to 2 13/16"	1	91247A899 6.81	5 1/2"	2 1/2" to 3 1/4"	1	91283A156 6.67
6"	Fully Threaded	1	92865A859 11.76	8"	2 1/4" to 2 13/16"	1	91247A900 6.26	6 1/2"	2 3/4" to 3 1/2"	1	91283A151 8.02
6"	1 3/4" to 2 1/4"	1	91247A859 3.37	8 1/2"	2 1/4" to 2 13/16"	1	91247A901 8.25	7 1/2"	2 3/4" to 3 1/2"	1	91283A154 10.97
6 1/2"	Fully Threaded	1	92865A861 13.83	9"	2 1/4" to 2 13/16"	1	91247A903 7.05	8"	2 3/4" to 3 1/2"	1	91283A176 10.66
6 1/2"	2" to 2 1/2"	1	91247A860 3.50	10"	2 1/4" to 2 13/16"	1	91247A906 9.09	<b>1 1/4"-7—Head: Wd. 1 7/8"; Ht. 2 5/32"</b>			
7"	Fully Threaded	1	92865A863 14.81	<b>7/8"-14—Head: Wd. 1 5/16"; Ht. 3 5/64"</b>				2"	Fully Threaded	1	91283A228 5.13
7"	2" to 2 1/2"	1	91247A861 3.36	2"	Fully Threaded	5	92865A501 11.60	3"	Fully Threaded	1	91283A236 5.28
7 1/2"	Fully Threaded	1	92865A865 15.37	2 3/4"	Fully Threaded	1	92865A504 2.70	3 1/2"	Fully Threaded	1	91283A240 6.01
7 1/2"	2" to 2 1/2"	1	91247A862 4.16	3"	2" to 2 3/16"	1	91247A505 2.54	4"	2 3/4" to 3 1/2"	1	91283A244 6.28
8"	Fully Threaded	1	92865A867 15.87	3 1/4"	2" to 2 3/16"	1	91247A506 3.19	4 1/2"	2 3/4" to 3 1/2"	1	91283A248 6.89
8"	2" to 2 1/2"	1	91247A863 4.36	3 1/2"	2" to 2 3/16"	1	91247A508 2.98	5"	2 3/4" to 3 1/2"	1	91283A252 7.68
8 1/2"	Fully Threaded	1	92865A869 16.37	3 3/4"	2" to 2 3/16"	1	91247A509 3.44	5 1/2"	2 3/4" to 3 1/2"	1	91283A256 8.78
8 1/2"	2" to 2 1/2"	1	91247A864 5.11	4"	2" to 2 3/16"	1	91247A507 3.24	6"	2 3/4" to 3 1/2"	1	91283A260 9.05
9"	Fully Threaded	1	92865A872 16.94	4 1/2"	2" to 2 3/16"	1	91247A511 3.57	7"	3" to 3 3/4"	1	91283A268 10.55
9"	2" to 2 1/2"	1	91247A868 5.55	5"	2" to 2 3/16"	1	91247A513 3.87	8"	3" to 3 3/4"	1	91283A276 11.74
9 1/2"	Fully Threaded	1	92865A874 17.91	5 1/2"	2" to 2 3/16"	1	91247A510 4.04	9"	3" to 3 3/4"	1	91283A278 15.19
10"	Fully Threaded	1	92865A879 19.35	6"	2" to 2 3/16"	1	91247A514 4.87	10"	3" to 3 3/4"	1	91283A282 12.69
10"	2" to 2 1/2"	1	91247A866 5.52	6 1/2"	2 1/4" to 2 13/16"	1	91247A515 7.19	<b>1 1/4"-12—Head: Wd. 1 7/8"; Ht. 2 5/32"</b>			
12"	2" to 2 1/2"	1	91247A870 7.78	7"	2 1/4" to 2 13/16"	1	91247A516 8.26	4"	2 3/4" to 3 1/2"	1	91283A310 7.41
<b>3/4"-16—Head: Wd. 1 1/8"; Ht. 1 5/32"</b>				7 1/2"	2 1/4" to 2 13/16"	1	91247A517 8.57	5"	2 3/4" to 3 1/2"	1	91283A315 10.11
1"	Fully Threaded	5	92865A471 7.62	8"	2 1/4" to 2 13/16"	1	91247A518 9.16	6"	2 3/4" to 3 1/2"	1	91283A320 12.10
1 1/4"	Fully Threaded	5	92865A472 6.52	10"	2 1/4" to 2 13/16"	1	91247A521 11.80	7"	3" to 3 3/4"	1	91283A325 16.22
1 1/2"	Fully Threaded	5	92865A473 7.72	<b>1"-8—Head: Wd. 1 1/2"; Ht. 3 9/64"</b>				8"	3" to 3 3/4"	1	91283A330 16.85
1 3/4"	Fully Threaded	5	92865A878 9.65	1 1/2"	Fully Threaded	1	92865A908 5.81	<b>1 1/2"-6—Head: Wd. 2 1/4"; Ht. 1 5/16"</b>			
2"	Fully Threaded	5	92865A475 8.42	1 3/4"	Fully Threaded	1	92865A910 4.12	3"	Fully Threaded	1	91283A436 7.55
2 1/2"	Fully Threaded	5	92865A477 8.68	2"	Fully Threaded	1	92865A912 5.04	3 1/2"	Fully Threaded	1	91283A440 8.75
2 3/4"	1 3/4" to 2 1/4"	5	91247A478 7.39	2 1/2"	Fully Threaded	1	92865A914 3.23	4"	Fully Threaded	1	91283A444 8.92
3"	Fully Threaded	1	92865A479 9.44	3"	Fully Threaded	1	92865A916 3.28	4 1/2"	Fully Threaded	1	91283A446 9.49
3"	1 3/4" to 2 1/4"	5	91247A479 8.84	3 1/4"	2 1/4" to 2 7/8"	1	91247A917 3.40	5"	3 1/4" to 4 1/8"	1	91283A452 10.18
3 1/4"	1 3/4" to 2 1/4"	5	91247A480 10.26	3 1/2"	2 1/4" to 2 7/8"	1	91247A918 3.52	5 1/2"	3 1/4" to 4 1/8"	1	91283A450 10.95
3 1/2"	Fully Threaded	1	92865A481 10.18	3 3/4"	2 1/4" to 2 7/8"	1	91247A919 3.73	6"	3 1/4" to 4 1/8"	1	91283A460 10.29
3 1/2"	1 3/4" to 2 1/4"	5	91247A481 9.71	4"	Fully Threaded	1	92865A920 10.45	7"	3 1/2" to 4 3/8"	1	91283A468 13.98
3 3/4"	1 3/4" to 2 1/4"	1	91247A482 3.26	4"	2 1/4" to 2 7/8"	1	91247A920 3.89	8"	3 1/2" to 4 3/8"	1	91283A476 18.06
4"	Fully Threaded	1	92865A483 10.65	4 1/2"	Fully Threaded	1	92865A922 10.31	<b>1 3/4"-5—Head: Wd. 2 5/8"; Ht. 1 3/32"</b>			
4"	1 3/4" to 2 1/4"	5	91247A483 10.96	4 1/2"	2 1/4" to 2 7/8"	1	91247A922 4.28	5"	3 3/4" to 4 3/4"	1	91283A552 14.11
4 1/2"	Fully Threaded	1	92865A485 11.76	5"	Fully Threaded	1	92865A924 10.93	6"	3 3/4" to 4 3/4"	1	91283A554 34.52
4 1/2"	1 3/4" to 2 1/4"	1	91247A484 3.01	5"	2 1/4" to 2 7/8"	1	91247A924 5.25	8"	4" to 5"	1	91283A576 24.61
5"	Fully Threaded	1	92865A487 12.07	5 1/2"	Fully Threaded	1	92865A926 11.22	<b>2"-4 1/2—Head: Wd. 3"; Ht. 1 1/32"</b>			
5"	1 3/4" to 2 1/4"	1	91247A485 3.86	5 1/2"	2 1/4" to 2 7/8"	1	91247A926 5.18	5"	4" to 5 1/8"	1	91283A652 21.42
5 1/2"	Fully Threaded	1	92865A489 12.57	6"	Fully Threaded	1	92865A928 11.91	7"	4 1/4" to 5 3/8"	1	91283A668 23.47
5 1/2"	1 3/4" to 2 1/4"	1	91247A486 3.72	6"	2 1/4" to 2 7/8"	1	91247A928 5.53				