INFASCO CAP SCREWS

THE BOLT OF CHOICE FOR THE HEAVY EQUIPMENT INDUSTRY

Infasco is the largest manufacturer of Grade 5 and Grade 8 Cap Screws in North America. They are accepted and used by all branches of the Federal Government as well as GM, Ford, GE, Westinghouse, General Dynamics and many other national and international companies.

With Infasco Cap Screws, Sosmetal and its customers will be in full compliance with the new "Fastener Quality Act" (Public Law 101-592).

Grade 8 Infasco Fastener

Grade 5 Infasco Fastener

U.S. GOVERNMENT APPROVED

Infasco Bolts are Original Equipment on both MACK and CATERPILLAR Products

INFASCO FASTENERS VS. PRIVATE BRAND FASTENERS

Some nut and bolt distributors have fasteners made with their own private head markings. This is costly to them and to their customers. But, do you get anything more even though you are paying more?

Infasco Fasteners

Private Head Fasteners

Highest quality at a fair price - All certified bolts must meet the same industry standards.	**Higher price without any increase in quality.**
Infasco is Original Equipment for many well known manufacturers, such as: Caterpillar and more.	**Private heads are never used as original equipment.**
Infasco's triangle trade mark is easily identifiable and traceable. Their bolts are widely accepted by government and industry.	**Private headed bolts mask the identity of the maker. Not only can the manufacturer change from one year to the next, but bolts could even be made overseas without your knowledge.**
Infasco is a certified member of the American Association for Laboratory Accreditation.	**Private headed bolts must always be fully tested and certified. But, if you don't have a testing laboratory, then what do you do?**
You have the assurance of correct and consistent testing methods.	**Protect yourself - Do not rely on impressive looking unscientific tests performed in your shop. Insist on Standardized procedures which meet accepted requirements.**

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INFASCO'S GRADE 8 FASTENING SYSTEM

INFASCO'S GRADE 8 FASTENING SYSTEM
IS YOUR SOLUTION TO COUNTERFEIT BOLTS

With Infasco's Grade 8 Fastening System

YOU GET...

- Quality Assurance
- Reliability
- Safety
- Dependability

YOU AVOID...

- Down Time
- Potential Liability
- Increased Costs
- Counterfeit Hardware

All Infasco Grade-8 Fasteners are Manufactured in North America by the Biggest Manufacturer of Standard Fasteners in the World.

INFASCO'S GRADE 8 FASTENING SYSTEM
IS YOUR SOLUTION TO THESE PROBLEMS

In today's hi-tech, competitive world, equipment has more power, speed and sophistication than ever before.
That's why

YOU NEED...

Dependable Infasco Grade-8 Fasteners.

Since the current business environment requires an even better bottom line, you must take into account TOTAL COST, not just price.
That's why

YOU NEED...

The **Infasco** Fastening System. Our Grade-8 Fasteners **Reduce Downtime** and Overall **Maintenance Costs.**

Everyone is becoming aware of the problem of imported counterfeit bolts.
That's why

YOU NEED...

Infasco. The fastener supplier you can rely on for **original equipment quality.**

Because of increasing liability problems today, sound business practice demands that safety becomes a top priority.
That's why

YOU NEED...

INFASCO'S GRADE 8 FASTENING SYSTEM

Be Smart, Be Safe. Choose The Best, Choose Infasco.
The Top Quality, Safe and Reliable Grade 8 Fastening System.

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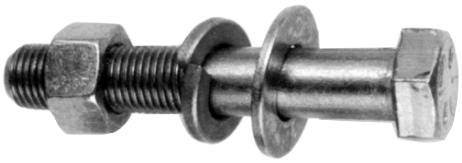
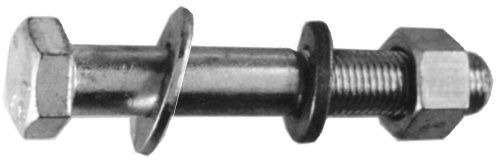
HEX HEAD CAP SCREWS



USS coarse

SAE fine



THREADS PER INCH

DIAMETER →	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
USS	20	18	16	14	13	12	11	10	9	8
SAE	28	24	24	20	20	18	18	16	14	14

TECHNICAL DATA

HEX HEAD MARKING	MARKING SPECIFICATION AND GRADE	AISI, ASTM OR SAE No.	MATERIAL TYPE	PHYSICAL PROPERTIES			
				FOR FASTENER DIA. INCHES	PROOF LOAD (PSI)	TENSILE STRENGTH (MIN. PSI)	ROCKWELL HARDNESS
2	No Marking GRADE 1	C-1010 C-1020	Low Carbon Steel	1/4 thru 1-1/2	33,000	60,000	B-100 max.
	No Marking GRADE 2	C-1018 C-1020	Low Carbon Steel	1/4 thru 3/4 7/8 thru 1-1/2	55,000 33,000	74,000 60,000	B-100 max.
5	3 Radial Lines GRADE 5	C-1038	Medium Carbon Steel Quenched & Tempered (Heat Treated)	1/4 thru 1 over 1 to 1-1/2	85,000 74,000	120,000 105,000	C25-34 C19-30
8	6 Radial Lines GRADE 8	8735 8740	Medium Carbon Alloy Steel, Quenched & Tempered	Up to 1-1/2	120,000	150,000	C33-39
L9	9 Radial Lines Exceeds Gr.-8 Specifications Ultra Alloy	SPECIAL	Special Carbon Alloy Steel Quenched & Tempered	Up to 1	145,000	180,000 to 200,000	C38-42 Exceeds GRADE 8

TENSILE STRENGTH	MATERIAL	HEAD	PLATING	ILLUSTRATION
180,000 PSI L9	Special carbon Alloy steel For maximum Strength	23% higher Head for Greater Wrenching	Yellow zinc Plating provides Effective Resistance to Corrosion	
150,000 PSI 8	Medium Carbon alloy Steel	Standard	Yellow zinc Plating provides Effective Resistance to Corrosion	
120,000 PSI 5	Medium Carbon Steel	Standard	Lusterplated To resist rust And corrosion	

The formula for determining basic thread length on cap screws is as follows:

a. For bolts or screws 6 in. and shorter - twice the diameter plus 1/4 inch.
b. For bolts or screws over 6 inches long - twice the diameter plus 1/2 inch.
c. When bolts or screws are too short to apply the formula the thread will be extended as close to the head as possible.

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POPULAR FASTENER ASSORTMENTS

SMALL & LARGE DIAMETER • USS (COARSE)

Protected by **LUSTERPLATE™** against rust & corrosion

Assortment Photo for illustration purposes only. Actual Contents may vary.

1/4" THRU 1" DIAMETERS
1/2" TO 6" in Length

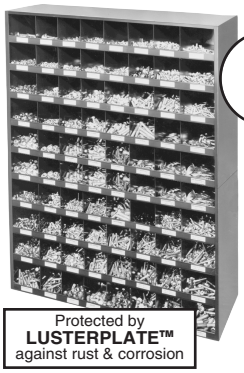
GRADE 5 COARSE (USS)
1308 pieces
96 items
Part No. 501704

GRADE 8 COARSE (USS)
1308 pieces
96 items
Part No. 501705

Includes: (2) #12021, 40 compartment bins and
(1) #12068, 32 compartment bin
(1) set of bin labels

1/4 x 1/2	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2			
5/16 x 1	5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	5/16 x 3			
3/8 x 1	3/8 x 1-1/2	3/8 x 2	3/8 x 2-1/2	3/8 x 3	3/8 x 3-1/2	3/8 x 4	
7/16 x 1	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	7/16 x 3-1/2	7/16 x 4	
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2	1/2 x 3	1/2 x 3-1/2	1/2 x 4	1/2 x 4-1/2
5/8 x 1-1/2	5/8 x 2	5/8 x 2-1/2	5/8 x 3	5/8 x 3-1/2	5/8 x 4	5/8 x 4-1/2	5/8 x 5
5/8 x 5-1/2	5/8 x 6		3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	3/4 x 4
3/4 x 4-1/2	3/4 x 5	3/4 x 5-1/2	3/4 x 6		7/8 x 2	7/8 x 2-1/2	7/8 x 3
7/8 x 3-1/2	7/8 x 4	7/8 x 4-1/2	7/8 x 5	7/8 x 5-1/2	7/8 x 6		1 x 2
1 x 2-1/2	1 x 3	1 x 3-1/2	1 x 4	1 x 4-1/2	1 x 5	1 x 5-1/2	1 x 6
1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	5/8 lock washer	3/4 lock washer	7/8 lock washer
1 lock washer			1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer
5/8 flat washer	3/4 flat washer	7/8 flat washer	1 flat washer			1/4 hex nut	5/16 hex nut
3/8 hex nut	7/16 hex nut	1/2 hex nut	5/8 hex nut	3/4 hex nut	7/8 hex nut	1 hex nut	

SMALL & LARGE DIAMETER • USS (COARSE)



Protected by **LUSTERPLATE™** against rust & corrosion

Assortment Photo for illustration purposes only. Actual Contents may vary.

Includes: (2) #12021
(1) set of bin labels

1/4" THRU 3/4" DIAMETERS
1/2" TO 4" in Length

GRADE 5 (USS)
1296 pieces • 77 items
Part No. 501098

GRADE 8 (USS)
1296 pieces • 77 items
Part No. 501099

GRADE L9 (USS)
1296 pieces • 77 items
Part No. 601099

* Grade L9 assortments are supplied with USS flat washers.

1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut	9/16 hex nut	5/8 hex nut	3/4 hex nut
1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	9/16 lock washer	5/8 lock washer	3/4 lock washer
1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	9/16 flat washer	5/8 flat washer	3/4 flat washer
1/4 x 1/2	5/16 x 1/2	3/8 x 1	7/16 x 1	1/2 x 1	9/16 x 1-1/2	5/8 x 1-1/2	3/4 x 1-1/2
1/4 x 3/4	5/16 x 3/4	3/8 x 1-1/2	7/16 x 1-1/2	1/2 x 1-1/2	9/16 x 2	5/8 x 2	3/4 x 2
1/4 x 1	5/16 x 1	3/8 x 2	7/16 x 2	1/2 x 2	9/16 x 2-1/2	5/8 x 2-1/2	3/4 x 2-1/2
1/4 x 1-1/2	5/16 x 1-1/2	3/8 x 2-1/2	7/16 x 2-1/2	1/2 x 2-1/2	9/16 x 3	5/8 x 3	3/4 x 3
1/4 x 2	5/16 x 2	3/8 x 3	7/16 x 3	1/2 x 3	9/16 x 3-1/2	5/8 x 3-1/2	3/4 x 3-1/2
1/4 x 2-1/2	5/16 x 2-1/2	3/8 x 3-1/2	7/16 x 3-1/2	1/2 x 3-1/2	9/16 x 4	5/8 x 4	3/4 x 4
1/4 x 3	5/16 x 3	3/8 x 4	7/16 x 4	1/2 x 4			

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POPULAR FASTENER ASSORTMENTS

SMALL & LARGE DIAMETER • USS (COARSE)

Protected by **LUSTERPLATE™** against rust & corrosion

Assortment Photo for illustration purposes only. Actual Contents may vary.

Includes: (2) #12021
(1) set of bin labels

1/4" THRU 3/4" DIAMETERS
1/2" TO 6" IN LENGTH

GRADE 8 (USS)
1176 pieces • 72 items
Includes bin label set and bins
Part No. 501460

GRADE 5 (USS)
1176 pieces • 72 items
Includes bin label set and bins
Part No. 501459

1/4 x 1/2	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2	5/16 x 1	5/16 x 1-1/2	5/16 x 2
5/16 x 2-1/2	5/16 x 3	3/8 x 1	3/8 x 1-1/2	3/8 x 2	3/8 x 2-1/2	3/8 x 3	3/8 x 3-1/2
3/8 x 4	7/16 x 1	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	7/16 x 3-1/2	7/16 x 4
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2	1/2 x 3	1/2 x 3-1/2	1/2 x 4	1/2 x 4-1/2
5/8 x 1-1/2	5/8 x 2	5/8 x 2-1/2	5/8 x 3	5/8 x 3-1/2	5/8 x 4	5/8 x 4-1/2	5/8 x 5
5/8 x 5-1/2	5/8 x 6	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	3/4 x 4	3/4 x 4-1/2
3/4 x 5	3/4 x 5-1/2	3/4 x 6	1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut
5/8 hex nut	3/4 hex nut	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	5/8 lock washer
3/4 lock washer	1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	5/8 flat washer	3/4 flat washer

POPULAR FASTENERS • USS (COARSE) & SAE (FINE)

Protected by **LUSTERPLATE™** against rust & corrosion

Assortment Photo for illustration purposes only. Actual Contents may vary.

Includes: (1) #12021,
(1) set of bin labels

1/4" THRU 1/2" DIAMETERS
1/2" TO 3" in Length

GRADE 5
1606 pieces • 40 items
Part No. 501304L (USS)
Half quantities available, use 501304M
Part No. 501560L (SAE)
Half quantities available, use 501560M

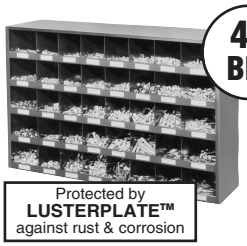
GRADE 8
799 pieces • 40 items
Part No. 501091 (USS)
Part No. 501097 (SAE)

GRADE L9 (USS)
799 pieces • 40 items
Part No. 601091

* Grade L9 assortments are supplied with USS flat washers.

1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	1/4 x 2	5/16 x 3/4	5/16 x 1	5/16 x 1-1/4
5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	3/8 x 3/4	3/8 x 1	3/8 x 1-1/4	3/8 x 1-1/2	3/8 x 2
3/8 x 2-1/2	3/8 x 3	7/16 x 1	7/16 x 1-1/2	7/16 x 2	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2
1/2 x 3	1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut	1/4 flat washer	5/16 flat washer
3/8 flat washer	7/16 flat washer	1/2 flat washer	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer

LARGE DIAMETER • USS (COARSE) & SAE (FINE)



Protected by **LUSTERPLATE™** against rust & corrosion

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Includes: (1) #12021,
(1) set of bin labels

9/16" THRU 1" DIAMETERS
2" TO 6" IN LENGTH

GRADE 5
633 pieces • 40 items
Part No. 501739 (USS)
Part No. 501740 (SAE)

GRADE 8
487 pieces • 40 items
Part No. 501741 (USS)
Part No. 501742 (SAE)

9/16 x 2	5/8 x 2	3/4 x 2-1/2	7/8 x 2-1/2	1 x 3	9/16 hex nut	9/16 split lock washer	9/16 flat washer
9/16 x 2-1/2	5/8 x 2-1/2	3/4 x 3	7/8 x 3	1 x 3-1/2	5/8 hex nut	5/8 split lock washer	5/8 flat washer
9/16 x 3	5/8 x 3	3/4 x 4	7/8 x 4	1 x 4	3/4 hex nut	3/4 split lock washer	1/2 flat washer
9/16 x 4	5/8 x 4	3/4 x 5	7/8 x 5	1 x 5	7/8 hex nut	7/8 split lock washer	7/8 flat washer
9/16 x 5	5/8 x 5	3/4 x 6	7/8 x 6	1 x 6	1 hex nut	1 split lock washer	1 lock washer

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SUPRALLOY L9® CAP SCREWS / HEX NUTS / WASHERS

Ideal for farms, manufacturers, maintenance shops, railroads, amusement parks, construction, equipment rental

Protected by
CADMIUM WAXED YELLOW DICHROMATE™
against rust & corrosion

- **Engineered to meet 180,000 to 200,000 PSI. tensile strength.**
- **23% taller head for greater wrenching and less wrench slippage.**
- **Rolled thread & chamfered tip provides easy starting.**
- **Exceeds ASTMB633, Type IISCI specifications.**
- **YELLOW DICHROMATE™ plated against rust and corrosion and to produce accurate torque.**
- **Replaces private brand bolts such as: MC-12, Tru-Torq, Karalloy, Bowmalloy, Dura-Torq, Supertanium.**

CAP SCREWS

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	QTY
	1/2	USS	602501	602518	602535								
		SAE	602701										
	3/4	USS	602503	602520	602537	602556	602575						
		SAE	602703	602720	602737								
	1	USS	602505	602522	602539	602558	602577	602594	602604				
		SAE	602705	602722	602739	602758	602777		602804				
	1-1/4	USS	602506	602523	602540	602559	602578	602595*	602605				
		SAE	602706	602723	602740	602759	602778	602795*		602821*			
50	1-1/2	USS	602507	602524	602541	602560	602579	602596	602606	602622			
		SAE	602707	602724	602741	602760	602779	602796	602806	602822			
	1-3/4	USS	602508	602525	602542	602561	602580		602607	602623			
		SAE	602708*	602725	602742	602761	602780		602807	602823			
	2	USS	602509	602526	602543	602562	602581	602598	602608	602624	602637	602650	
		SAE	602709	602726	602743	602762	602781	602798	602808	602824	602837		
	2-1/4	USS		602527*	602544		602582		602609	602625			
		SAE	602710*	602727*	602744		602782		602809	602825	602838*		
	2-1/2	USS	602511	602528	602545	602564	602583	602600	602610	602626	602639	602652	
		SAE	602711	602728	602745	602764	602783	602800	602810	602826	602839	602852	5
	2-3/4	USS	602512*			602565*			602611	602627	602640*	602653*	
25		SAE	602712*			602765*			602811	602827	602840*	602853*	
	3	USS	602513	602530	602547	602566	602585	602602	602612	602628	602641	602654	
		SAE	602713	602730	602747	602766	602785	602802	602812	602828	602841	602854	
	3-1/2	USS	602515*	602532	602549	602568	602587	602603	602613	602630	602643	602656	
15		SAE			602749	602768	602787	602803	602813	602830	602843	602856	
	4	USS		602534	602551	602570	602589	602601	602615	602632	602645	602657	
		SAE	602717*	602734*	602751	602770	602789	602801	602815	602832	602845	602857	
	4-1/2	USS	602519*		602552	602571*	602590	602614*	602616	602633	602646	602658	
		SAE	602719*	602736*	602752*	602771*	602790*		602816	602833	602846	602858	
	5	USS			602553	602572	602591	602618	602617	602634	602647	602659	
10		SAE	602721*	602738*	602753*		602791	602818*	602817	602834	602847	602859	
	5-1/2	USS				602574*			602662	602635	602648	602660	
		SAE			602755*	602774*	602792*		602862	602835	602848	602860	
	6	USS	602533*		602554	602573	602593		602619	602636	602649	602661	
		SAE	602733*	602750*		602773*	602793		602819	602836	602849	602861	
	HEX NUTS	USS	602901	602902	602903	602904	602905	602906	602907	602908	602909	602910	
		SAE	602911	602912	602913	602914	602915	602916	602917	602918	602919	602920	
		QTY	50	50	50	25	25	15	15	10	5	5	
	LOCK NUTS	USS	602921	602922	602923	602924	602925	602926	602927	602928	602929	602930	
		SAE	602931	602932	602933	602934	602935	602936	602937	602938	602939	602940	
		QTY	50	50	50	25	25	25	25	10	5	5	
	FLAT WASHERS	ALL	602941	602942	602943	602944	602945	602946	602947	602948	602949	602950	
		QTY	100	100	100	50	50	50	25	12	12	12	
	THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8	
		SAE	28	24	24	20	20	18	18	16	14	14	

*** These items will be discontinued when stock is depleted.**

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ALLOY GRADE 8 CAP SCREWS / HEX NUTS / WASHERS

Used by manufacturing and processing plants, school buses, mining, construction and fleets.

- **Minimum tensile strength 150,000 PSI.**
- **Medium carbon alloy steel.**

Protected by **ZINC-YELLOW DICHROMATE™** against rust & corrosion

CAP SCREWS

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1				QTY
100	1/2	USS	502501	502518	502535											
		SAE	502701	502718	502735											
	3/4	USS	502503	502520	502537	502556	502575									
		SAE	502703	502720	502737	502756	502775									
	1	USS	502505	502522	502539	502558	502577	502594	502604	502620						
		SAE	502705	502722	502739	502758	502777	502794	502804	502820						
	1-1/4	USS	502506	502523	502540	502559	502578	502595	502605	502621						
		SAE	502706	502723	502740	502759	502778	502795	502805	502821						
	1-1/2	USS	502507	502524	502541	502560	502579	502596	502606	502622						
		SAE	502707	502724	502741	502760	502779	502796	502806	502822						
	1-3/4	USS	502508	502525	502542	502561	502580	502597	502607	502623						
		SAE	502708	502725	502742	502761	502780	502797	502807	502823						
	2	USS	502509	502526	502543	502562	502581	502598	502608	502624	502637	502650				
		SAE	502709	502726	502743	502762	502781	502798	502808	502824	502837	502850				
	2-1/4	USS	502510	502527	502544	502563	502582		502609	502625	502638					
		SAE	502710	502727	502744	502763	502782		502809	502825	502838					
	2-1/2	USS	502511	502528	502545	502564	502583	502600	502610	502626	502639	502652				
		SAE	502711	502728	502745	502764	502783	502800	502810	502826	502839	502852				
50	2-3/4	USS	502512	502529	502546	502565	502584		502611	502627	502640	502653				
		SAE	502712	502729	502746	502765	502784		502811	502827	502840	502853				
	3	USS	502513	502530	502547	502566	502585	502602	502612	502628	502641	502654				
		SAE	502713	502730	502747	502766	502785	502802	502812	502828	502841	502854				
30	3-1/4	USS	502514	502531	502548	502567	502586									
		SAE	502714	502731	502748	502767	502786									
	3-1/2	USS	502515	502532	502549	502568	502587	502603	502613	502630	502643	502656				
		SAE	502715	502732	502749	502768	502787	502803	502813	502830	502843	502856				
	4	USS	502517	502534	502551	502570	502589	502601	502615	502632	502645	502657				
		SAE	502717	502734	502751	502770	502789	502801	502815	502832	502845	502857				
20	4-1/2	USS	502519	502536	502552	502571	502590	502614	502616	502633	502646	502658				
		SAE	502719	502736	502752	502771	502790	502814	502816	502833	502846	502858				
	5	USS	502521	502538	502553	502572	502591	502618	502617	502634	502647	502659				
		SAE	502721	502738	502753	502772	502791	502818	502817	502834	502847	502859				
	5-1/2	USS	402201	402206	502555	502574	502592	502663	502662	502635	502648	502660				
		SAE	402401	402406	502755	502774	502792		502862	502835	502848	502860				
	6	USS	502533	502550	502554	502573	502593	502631	502619	502636	502649	502661				
		SAE	502733	502750	502754	502773	502793	502831	502819	502836	502849	502861				
10	6-1/2	USS	402202	402207	402211	402217	402101									
		SAE	402402	402407	402411	402417	402150									
	7	USS	402203	402208	402212	402218	402102									
		SAE	402403	402408	402412	402418	402151									
	7-1/2	USS	402204	402209	402213	402219	402103									
		SAE	402404	402409	402413	402419	402152									
	8	USS	402205	402210	402214	402220	402104									
		SAE	402405	402410	402414	402420	402153									
	HEX NUTS	USS	502675	502677	502679	502681	502683	502685	502687	502689	502691	502693				
		SAE	502676	502678	502680	502682	502684	502686	502688	502690	502692	502694				
		QTY	100	100	100	50	50	30	30	20	10	10				
	LOCK WASHERS	ALL	504285	504286	504287	504288	504289	504290	504291	504292	504293	504294				
		QTY	100	100	100	100	100	50	50	25	25	25				
	FLAT WASHERS	USS	504230	504231	504232	504233	504234	504235	504236	504237	504238	504239				
		SAE	504275	504276	504277	504278	504279	504280	504281	504282	504283	504284				
		QTY	200	200	200	100	100	100	50	25	25	25				
	THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8	7	7	6	
		SAE	28	24	24	20	20	18	18	16	14	14	12	12	12	

Not made by Infasco. Manufacturer and country of origin can only be determined at time of order.

*** Black finish only.**

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ALLOY GRADE 8 CAP SCREWS / HEX NUTS / WASHERS

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Longer Lengths / Larger Diameters

- **Black finish.**
- **Sizes listed on this page are non-stock. Allow 2-3 weeks for delivery.**

CAP SCREWS

QTY	LENGTH		DIAMETER 3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2
	3	USS							502975	502983				
		SAE							402179	402461				
	3-1/2	USS							402242	402255				
		SAE							402180	402462				
	4	USS							502976	502984	402268	502991	402292	402307
		SAE							402181	402463	402482	402497		
	4-1/2	USS							402243	402256	402269	402283	402293	402308
		SAE							402182	402464	402483	402498		
	5	USS							502977	502985	402270	502992	402294	402309
		SAE							402183	402465	402484	402499		
	5-1/2	USS							402244	402257	402271	402284	402295	402310
		SAE							402184	402466	402485	402500		
	6	USS							502978	502986	402272	502993	402296	402311
		SAE							402185	402467	402486	402501		
	6-1/2	USS			402108	402115	402121	402126	402245	402258		402285		
		SAE			402154	402158	402162	402165	402186	402468		402502		
	7	USS			402109	402116	402122	402127	502979	502987	402273	502994	402297	402312
		SAE			402155	402159	402163	402166	402187	402469	402487	402503		
	7-1/2	USS			402110	402117	402140	402137	402246	402259				
		SAE			402156	402160	402450	402175	402188	402470				
	8	USS			402111	402118	402123	402128	502980	502988	402274	502995	402298	402313
		SAE			402157	402161	402164	402167	402189	402471	402488	402504		
	8-1/2	USS		402105	402112	402234	402141	402138	402247	402260				
		SAE		402421	402430	402440	402451	402176	402190	402472				
	9	USS	402215	402106	402113	402119	402124	402129	502981	502989	402275	502996	402299	402314
		SAE	402415	402422	402431	402441	402452	402177	402191	402473	402489	402505		
	9-1/2	USS		402221	402227	402235	402142	402139	402248	402261				
		SAE		402423	402432	402442	402453	402178	402192	402474				
	10	USS	402216	402107	402114	402120	402125	402130	502982	502990	402276	502997	402300	402315
		SAE	402416	402424	402433	402443	402454	402168	402193	402475	402490	402506		
	11	USS		402222	402228	402236	402143	402131	402249	402262	402277	402286	402301	402316
		SAE		402425	402434	402444	402455	402169	402194	402476	402491	402507		
	12	USS		402223	402229	402237	402144	402132	402250	402263	402278	402287	402302	402317
		SAE		402426	402435	402445	402456	402170	402195	402477	402492	402508		
	13	USS		402224	402230	402238	402145	402133	402251	402264	402279	402288	402303	402318
		SAE		402427	402436	402446	402457	402171	402196	402478	402493	402509		
	14	USS		402225	402231	402239	402146	402134	402252	402265	402280	402289	402304	402319
		SAE		402428	402437	402447	402458	402172	402197	402479	402494	402510		
	15	USS		402226	402232	402240	402147	402135	402253	402266	402281	402290	402305	402320
		SAE		402429	402438	402448	402459	402173	402198	402480	402495	402511		
	16	USS			402233	402241	402148	402136	402254	402267	402282	402291	402306	402321
		SAE			402439	402449	402460	402174	402199	402481	402496	402512		
HEX NUTS		USS	502679	502683	502687	502689	502691	502693	502695	502697	502671	502699	502673	502674
		SAE	502680	502684	502688	502690	502692	502694	502696	502698	502672	502670		
		QTY	100	50	30	20	10	10	1	1	1	1	1	1
LOCK WASHERS		ALL	504287	504289	504291	504292	504293	504294	504295	504296	504298	504297	50829	50830
		QTY	100	100	50	25	25	25	25	25	10	25	5	2
FLAT WASHERS		USS	504232	504234	504236	504237	504238	504239	504240	504241		504242		
		SAE	504277	504279	504281	504282	504283	504284	504272	504273	504326	504274	504327	504328
		QTY	200	100	50	25	25	25	25	25	10	25	5	26
THREADS PER INCH		USS	16	13	11	10	9	8	7	7	6	6	5	4-1/2
		SAE	24	20	18	16	14	14	12	12	12			

These sizes available in Zinc-Yellow Dichromate finish only. Please see listing on page 5

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GRADE 5 CAP SCREWS / HEX NUTS / WASHERS

Cap screws outlined in box below are not made by Infasco. Manufacturer and country of origin can only be determined at time of order.

Used universally by industrial, maintenance, automotive, and fleets.

- **Minimum tensile strength 120,000 PSI.**
- **Medium carbon steel, quenched & tempered.**
- **Sizes 1-1/8" x 3 to 1-1/2" x 12" are non-stock. Allow 2-3 weeks for delivery.**

CAP SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

QTY	LENGTH		DIAMETER 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
200	1/2	USS	502100	502111	502122										
		SAE	502300	502311	502322										
	5/8	USS	502257	502258	502259										
		SAE	502457	502458	502459										
	3/4	USS	502101	502112	502123	502135	502147								
		SAE	502301	502312	502323	502335	502347								
	1	USS	502102	502113	502124	502136	502148	502161	502174	502187					
		SAE	502302	502313	502324	502336	502348	502361	502374	502387					
	1-1/4	USS	502103	502114	502125	502137	502149	502162	502175	502188					
		SAE	502303	502314	502325	502337	502349	502362	502375	502388					
	1-1/2	USS	502104	502115	502126	502138	502150	502163	502176	502189	502200	502211			
		SAE	502304	502315	502326	502338	502350	502363	502376	502389	502400	502411			
	1-3/4	USS	502105	502116	502127	502139	502151	502164	502177	502190	502201	502212			
		SAE	502305	502316	502327	502339	502351	502364	502377	502390	502401	502412			
	2	USS	502106	502117	502128	502140	502152	502165	502178	502191	502202	502213			
		SAE	502306	502317	502328	502340	502352	502365	502378	502391	502402	502413			
100	2-1/4	USS	502222	502225	502230	502236	502242	502246	502247	502251	502255				
		SAE	502422	502425	502430	502436	502442	502446	502447	502451	502455				
	2-1/2	USS	502107	502118	502129	502141	502153	502166	502179	502192	502203	502214			
		SAE	502307	502318	502329	502341	502353	502366	502379	502392	502403	502414			
	2-3/4	USS	502223	502226	502231	502237	502243		502248	502252					
		SAE	502423	502426	502431	502437	502443		502448	502452					
	3	USS	502108	502119	502130	502142	502154	502167	502180	502193	502204	502215	402662	402677	
		SAE	502308	502319	502330	502342	502354	502367	502380	502393	502404	502415	402762	402777	
50	3-1/4	USS	502224	502227	502232	502238	502244		502249	502253	502256				
		SAE	502424	502427	502432	502438	502444		502449	502453	502456				
	3-1/2	USS	502109	502120	502131	502143	502155	502168	502181	502194	502205	502216	402663	402678	
		SAE	502309	502320	502331	502343	502355	502368	502381	502394	502405	502416	402763	402778	
	3-3/4	USS			502233	502239	502245		502250	502254					
		SAE			502433	502439	502445		502450	502454					
	4	USS	502110	502121	502132	502144	502156	502169	502182	502195	502206	502217	402664	402679	402692*
		SAE	502310	502321	502332	502344	502356	502369	502382	502395	502406	502417	402764	402779	
10	4-1/2	USS	402601	502228	502133	502145	502157	502170	502183	502196	502207	502218	402665	402680	402693*
		SAE	402701	502428	502333	502345	502357	502370	502383	502396	502407	502418	402765	402780	
	5	USS	402602	502229	502134	502146	502158	502171	502184	502197	502208	502219	402666	402681	402694*
		SAE	402702	502429	502334	502346	502358	502371	502384	502397	502408	502419	402766	402781	
	5-1/2	USS	402603	402609	502234	502240	502159	502172	502185	502198	502209	502220	402667	402682	402695*
		SAE	402703	402709	502434	502440	502359	502372	502385	502398	502409	502420	402767	402782	
	6	USS	402604	402610	502235	502241	502160	502173	502186	502199	502210	502221	402668	402683	402696*
		SAE	402704	402710	502435	502441	502360	502373	502386	502399	502410	502421	402768	402783	
5	6-1/2	USS	402605	402611	402615	402619	402623		402630	402638	402646	402654	402669	402684	
		SAE	402705	402711	402715	402719	402723		402730	402738	402746	402754	402769	402784	
	7	USS	402606	402612	402616	402620	402624		402631	402639	402647	402655	402670	402685	402697*
		SAE	402706	402712	402716	402720	402724		402731	402739	402747	402755	402770	402785	
	7-1/2	USS	402607	402613	402617	402621	402625		402632	402640	402648	402656	402671	402686	
		SAE	402707	402713	402717	402721	402725		402732	402740	402748	402756	402771	402786	
	8	USS	402608	402614	402618	402622	402626		402633	402641	402649	402657	402672	402687	402698*
		SAE	402708	402714	402718	402722	402726		402733	402741	402749	402757	402772	402787	
2	8-1/2	USS					402627		402634	402642	402650	402658	402673	402688	
		SAE							402734	402742	402750	402758	402773	402788	
	9	USS					402628		402635	402643	402651	402659	402674	402689	
		SAE							402735	402743	402751	402759	402774	402789	
	9-1/2	USS								402644	402652	402660	402675	402690	
		SAE								402744	402752	402760	402775	402790	
	10	USS					402629		402636	402645	402653	402661	402676	402691	402699*
		SAE							402736	402745	402753	402761	402776	402791	
	12	USS							402637						
		SAE							402737*						
HEX NUTS		USS	503260	503262	503264	503266	503268	503270	503272	503274	503276	503278	503280	503282	503284
		SAE	503261	503263	503265	503267	503269	503271	503273	503275	503277	503279	503281	503283	503285
		QTY	100	100	100	50	50	25	25	25	10	10	5	5	5
LOCK WASHERS		ALL	50815	50816	50817	50818	50819	50820	50821	50822	50823	50824	50825	50826	50827
		QTY	400	200	200	200	100	100	100	50	50	25	25	25	25
FLAT WASHERS		USS	50906	50907	50908	50909	50910	50911	50912	50913	50914	50915	50916	50917	50918
		SAE	50924	50925	50926	50927	50928	50929	50930	50931	50932	50933	50934	50935	50936
		QTY	400	200	200	200	100	100	100	50	50	25	25	25	25
THREADS PER INCH		USS	20	18	16	14	13	12	11	10	9	8	7	7	6
		SAE	28	24	24	20	20	18	18	16	14	14	12	12	12

*** Black finish only.**

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NUTS

*Product standards require all grade-marked nuts 1/4" diameter and larger to have a raised or depressed insignia identifying its manufacturer. "X" represents one location such an insignia may appear.

GRADE 8 ALLOY HEX NUTS

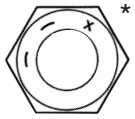
For use with Grade 8 Cap Screws

● **Minimum 150,000 PSI proof load.**

Protected by **ZINC-YELLOW DICHROMATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**502675**	**502676**	7/16	7/32	100
5/16	**502677**	**502678**	1/2	17/64	100
3/8	**502679**	**502680**	9/16	21/64	100
7/16	**502668***	**502669†**	5/8	3/8	25
7/16	**502681**	**502682**	11/16	3/8	50
1/2	**502683**	**502684**	3/4	7/16	50
9/16	**502685**	**502686**	7/8	31/64	30
5/8	**502687**	**502688**	15/16	35/64	30
3/4	**502689**	**502690**	1-1/8	41/64	20
7/8	**502691**	**502692**	1-5/16	3/4	10
1	**502693**	**502694**	1-1/2	55/64	10
1-1/8	**502695**	**502696**	1-11/16	31/32	1
1-1/4	**502697**	**502698**	1-7/8	1-1/16	1
1-3/8	**502671**	**502672**	2-1/16	1-11/64	1
1-1/2	**502699**	**502670**	2-1/4	1-9/32	1
1-3/4	**502673**	**---**	2-5/8	1-1/2	1
2	**502674**	**---**	3	1-23/32	1
--	**---**	**---**	--	--	-

† Not included in assortments.



Approved style of grade marking as issued by SAE J995, revised July 1999.

Asst. No. 501092 is shown here.

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 502001
103 pieces • 6 items
12028 plastic tray

502675	**502679**	**502683**
502677	**502681**	**502685**

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 502002
103 pieces • 6 items
12028 plastic tray

502676	**502680**	**502684**
502678	**502682**	**502686**

Numbers in assortment

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE) & SAE (FINE)
Part No. 501092
204 pieces • 20 items • 12071 steel tray

502675	**502679**	**502683**	**502687**	**502691**
502676	**502680**	**502684**	**502686**	**502692**
502677	**502681**	**502685**	**502689**	**502693**
502678	**502682**	**502686**	**502690**	**502694**

Numbers in assortment

GRADE 5 HEX NUTS

For use with Grade 5 Cap Screws

● **Minimum proof load**
USS 1/4 - 1'' = 120,000 PSI **USS 1 - 1-1/2'' = 105,000 PSI** **SAE 1/4 - 1'' = 109,000 PSI** **SAE 1 - 1-1/2'' = 94,000 PSI**

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**503260**	**503261**	7/16	7/32	100
5/16	**503262**	**503263**	1/2	17/64	100
3/8	**503264**	**503265**	9/16	21/64	100
7/16	**503266**	**503267**	11/16	3/8	50
1/2	**503268**	**503269**	3/4	7/16	50
9/16	**503270**	**503271**	7/8	31/64	25
5/8	**503272**	**503273**	15/16	35/64	25
3/4	**503274**	**503275**	1-1/8	41/64	25
7/8	**503276**	**503277**	1-5/16	3/4	10
1	**503278**	**503279**	1-1/2	55/64	10
1-1/8	**503280**	**503281**	1-11/16	31/32	5
1-1/4	**503282**	**503283**	1-7/8	1-1/16	5
1-1/2	**503284**	**503285**	2-1/4	1-9/32	5

Approved style of grade marking as issued by SAE J995, revised July 1999.

Asst. No. 501530 is shown here.

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 503026
103 pieces • 6 items
12028 plastic tray

503260	**503264**	**503268**
503262	**503266**	**503270**

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 503027
103 pieces • 6 items
12028 plastic tray

503261	**503265**	**503269**
503263	**503267**	**503271**

Numbers in assortment

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE) & SAE (FINE)
Part No. 501530
204 pieces • 20 items • 12071 steel tray

503260	**503264**	**503268**	**503272**	**503276**
503261	**503265**	**503269**	**503273**	**503277**
503262	**503266**	**503270**	**503274**	**503278**
503264	**503267**	**503271**	**503275**	**503279**

Numbers in assortment

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NUTS

STANDARD GRADE HEX NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

For use with Grade 5 or Lower Cap Screws & Bolts

- **Minimum 90,000 PSI proof load.**

Asst. No. 51202 is shown here.

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**51205**	**51206**	7/16	7/32	200
5/16	**51207**	**51208**	1/2	17/64	200
3/8	**51209**	**51210**	9/16	21/64	200
7/16	**51231***	**51232***	5/8	3/8	50
7/16	**51211**	**51212**	11/16	3/8	100
1/2	**51213**	**51214**	3/4	7/16	100
9/16	**51215**	**51216**	7/8	31/64	100
5/8	**51217**	**51218**	15/16	35/64	100
3/4	**51219**	**51220**	1-1/8	41/64	50
7/8	**51221**	**51222**	1-5/16	3/4	20
1	**51223**	**51224**	1-1/2	55/64	20
1-1/8	**51225**	**51226**	1-11/16	31/32	20
1-1/4	**51227**	**51228**	1-7/8	1-1/16	20
1-1/2	**51229**	**51230**	2-1/4	1-9/32	10

*** Not included in assortments.**

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE)
Part No. 501614
195 pieces • 10 items • 12061 steel tray

51205	**51209**	**51213**	**51217**	**51221**
51207	**51211**	**51215**	**51219**	**51223**

Numbers in assortment

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 51201
150 pieces • 6 items
12028 plastic tray

51205	**51209**	**51213**
51207	**51211**	**51215**

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 51202
150 pieces • 6 items
12028 plastic tray

51206	**51210**	**51214**
51208	**51212**	**51216**

Numbers in assortment

L9® PREVAILING TORQUE LOCK NUTS

Protected by **CADMIUM WAXED YELLOW DICHROMATE™** against rust & corrosion

Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

- **Proof stress 150,000 PSI maximum.**
- **For use with L9® cap screws.**
- **Meets IFI, ANSI and SAE specs.**

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**602921**	**602931**	7/16	10.5	10.5	50
5/16	**602922**	**602932**	1/2	16.0	17.0	50
3/8	**602923**	**602933**	9/16	29.0	30.0	50
7/16	**602924**	**602934**	11/16	44.0	45.0	25
1/2	**602925**	**602935**	3/4	66.0	69.0	25
9/16	**602926**	**602936**	7/8	95.0	100.0	25
5/8	**602927**	**602937**	15/16	122.5	130.0	25
3/4	**602928**	**602938**	1-1/8	210.0	210.0	10
7/8	**602929**	**602939**	1-5/16	310.0	310.0	5
1	**602930**	**602940**	1-1/2	460.0	495.0	5

GRADE 8 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Proof stress 150,000 PSI maximum. For use with Grade 8 cap screws, B-7 rods and studs.**
- **Meets IFI, ANSI and SAE specs for Class 'C'.**

Sizes: 1/4" through 3/4"
USS (COARSE) & SAE (FINE)
Part No. 501095L
280 pieces • 16 items
12050 steel tray

404101	**404105**	**404115**	**404119**
404102	**404106**	**404116**	**404120**
404103	**404107**	**404117**	**404121**
404104	**404108**	**404118**	**404122**

1/2 QUANTITY AVAILABLE ORDER NO. 501095M
Numbers in assortment

Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

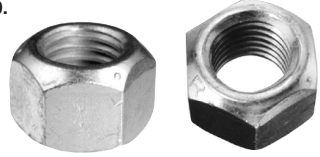
SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**404101**	**404115**	7/16	10.5	10.5	50
5/16	**404102**	**404116**	1/2	16.0	17.0	50
3/8	**404103**	**404117**	9/16	29.0	30.0	50
7/16	**404104**	**404118**	11/16	44.0	45.0	50
1/2	**404105**	**404119**	3/4	66.0	69.0	24
9/16	**404106**	**404120**	7/8	95.0	100.0	24
5/8	**404107**	**404121**	15/16	122.5	130.0	20
3/4	**404108**	**404122**	1-1/8	210.0	210.0	20
7/8	**404109**	**404123**	1-5/16	310.0	310.0	8
1	**404110**	**404124**	1-1/2	460.0	495.0	8

GRADE 5 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

Used wherever there are vibration problems. Trucks, automobile, factories, farming, construction.

- **Proof stress 120,000 PSI maximum. For use with Grade 5 cap screws.**
- **Meets IFI, ANSI and SAE specs and MS-51922, MS-51943, MS-51988, MS-21045, MS-21046, NAS-1408, NAS-1409.**



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**503125**	**503135**	7/16	7.0	7.25	50
5/16	**503126**	**503136**	1/2	13.5	13.5	50
3/8	**503127**	**503137**	9/16	19.5	22.0	50
7/16	**503128**	**503138**	11/16	33.5	33.5	50
1/2	**503129**	**503139**	3/4	50.0	52.0	25
9/16	**503130**	**503140**	7/8	69.0	75.0	25
5/8	**503131**	**503141**	15/16	95.0	97.5	20
3/4	**503132**	**503142**	1-1/8	155.0	165.0	20

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NUTS

NYLON INSERT JAM LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
No. 2	**514101**	**---**	1/4	7/64	50
No. 3	**514102**	**---**	1/4	7/64	50
No. 4	**514103**	**514123**	1/4	7/64	50
No. 5	**514104**	**514124**	1/4	7/64	50
No. 6	**514105**	**514125**	1/4	7/64	50
No. 8	**514106**	**514126**	11/32	11/64	50
No. 10*	**514107**	**514127**	3/8	11/64	50
No. 12	**514108**	**---**	7/16	13/64	50
1/4	**514109**	**514129**	7/16	13/64	50
5/16	**514110**	**514130**	1/2	1/4	50
3/8	**514111**	**514131**	9/16	17/64	25
7/16	**514112**	**514132**	5/8	5/16	25
1/2	**514113**	**514133**	3/4	5/16	25
9/16	**514114**	**514134**	7/8	23/64	10
5/8	**514115**	**514135**	15/16	25/64	10
3/4	**514116**	**514136**	1-1/6	13/32	10
7/8	**514117**	**514137**	1-1/4	15/32	10
1	**514118**	**514138**	1-7/16	35/64	10

*** 3/16 size**

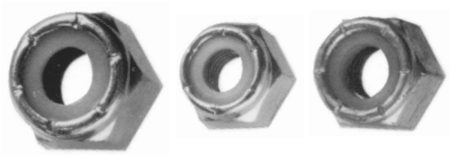
- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**

Sizes: 6-32 through 1”
USS (COARSE) & SAE (FINE)
Part No. 501554
219 pieces • 22 items
12017 steel tray

514105	**514111**	**514117**	**514131**	**514137**
514106	**514112**	**514118**	**514132**	**514138**
514107	**514113**	**514127**	**514133**	
514109	**514115**	**514129**	**514135**	
514110	**514116**	**514130**	**514136**	

Numbers in assortment

NYLON INSERT HEAVY LOCK NUTS



Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514140**	1/2	3/8	50
5/16	**514141**	9/16	7/16	50
3/8	**514142**	11/16	35/64	25
7/16	**514143**	7/8	45/64	25
1/2	**514144**	7/8	45/64	25
9/16	**514145**	15/16	51/64	10
5/8	**514146**	1-1/16	55/64	10
3/4	**514147**	1-1/4	1	5
7/8	**514148**	1-7/16	1-1/8	5
1	**514149**	1-5/8	1-9/32	5

- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**

Sizes: 1/4” through 1”
USS (COARSE)
Part No. 501555
96 pieces • 9 items
12061 steel tray

514140	**514142**	**514144**	**514147**	**514149**
514141	**514143**	**514146**	**514148**	

Numbers in assortment

Sizes: 1/4” through 1/2”
USS (COARSE)
Part No. 514002
55 pieces • 5 items
12028 plastic tray

514140	**514141**	**514142**	**514143**	**514144**

Numbers in assortment

GRADE 8 NYLON INSERT LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514150**	**514160**	7/16	5/16	10
5/16	**514151**	**514161**	1/2	11/32	10
3/8	**514152**	**514162**	9/16	29/64	10
7/16	**514153**	**514163**	5/8	29/64	10
1/2	**514154**	**514164**	3/4	19/32	10
9/16	**514155**	**514165**	7/8	41/64	5
5/8	**514156**	**514166**	15/16	3/4	5
3/4	**514157**	**514167**	1-1/16	7/8	5
7/8	**514158**	**514168**	1-1/4	63/64	2
1	**514159**	**514169**	1-7/16	1-3/64	2

VALUE PACK
BOX OF 25
VOLUME USER DISCOUNT

- **Minimum proof load - 150,000 PSI.**
- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 8 fasteners.**

Assortment Photo for illustration purposes only.
Actual Contents may vary.

Sizes: 1/4” through 1”*
***9/16” not included**
USS (COARSE)
Part No. 501566
96 pieces • 9 items • 12061 steel tray

514150	**514152**	**514154**	**514157**	**514159**
514151	**514153**	**514156**	**514158**	

Numbers in assortment

Sizes: 1/4” through 1”*
***9/16” not included**
SAE (FINE)
Part No. 501567
96 pieces • 9 items • 12061 steel tray

514160	**514162**	**514164**	**514167**	**514169**
514161	**514163**	**514166**	**514168**	

Numbers in assortment

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NUTS

GRADE 5 NYLON INSERT LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Minimum proof load - USS 120,000 PSI & SAE 109,000 PSI.**
- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 5 fasteners.**

Assortment Photo for illustration purposes only. Actual Contents may vary.

VALUE PACK
BOX OF 25
VOLUME USER DISCOUNT

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514175**	**514185**	7/16	5/16	10
5/16	**514176**	**514186**	1/2	11/32	10
3/8	**514177**	**514187**	9/16	29/64	10
7/16	**514178**	**514188**	5/8	29/64	10
1/2	**514179**	**514189**	3/4	19/32	10
9/16	**514180**	**514190**	7/8	41/64	5
5/8	**514181**	**514191**	15/16	3/4	5
3/4	**514182**	**514192**	1-1/16	7/8	5
7/8	**514183**	**514193**	1-1/4	63/64	2
1	**514184**	**514194**	1-7/16	1-3/64	2

Sizes: 1/4" through 1"*
***9/16" not included**
USS (COARSE)
Part No. 501568
96 pieces • 9 items • 12061 steel tray

514175 514177 514179 514182 514184
514176 514178 514181 514183

Numbers in assortment

Sizes: 1/4" through 1/2"
USS (COARSE)
Part No. 514005
55 pieces • 5 items
12028 plastic tray

514175 514177 514179
514176 514178

Numbers in assortment

Sizes: 1/4" through 1/2"
SAE (FINE)
Part No. 514006
55 pieces • 5 items
12028 plastic tray

514185 514187 514189
514186 514188

Numbers in assortment

NYLON INSERT LOCK NUTS

Sizes: 3/16" through 3/4"
USS (COARSE) & SAE (FINE)
Part No. 501003
240 pieces • 16 items
12017 steel tray

51151 51154 51157 51160 51165 51188
51152 51155 51158 51161 51166
51153 51156 51159 51162 51167

Numbers in assortment

- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
No. 4	**51148**	**---**	1/4	9/64	100
No. 6	**51149**	**---**	5/16	3/16	100
No. 8	**51150**	**---**	11/32	15/64	100
10-24*	**51151**	**---**	3/8	15/64	50
10-32*	**---**	**51152†**	3/8	15/64	50
No. 12	**51147**	**---**	7/16	5/16	100
1/4	**51153**	**51154**	7/16	5/16	100
5/16	**51155**	**51156**	1/2	11/32	100
3/8	**51157**	**51158**	9/16	29/64	50
7/16	**51161**	**51162**	5/8	29/64	50
1/2	**51159**	**51160**	3/4	19/32	50
9/16	**51163**	**51164**	7/8	41/64	24
5/8	**51165**	**51166**	15/16	3/4	24
3/4	**51167**	**51168**	1-1/16	7/8	10
7/8	**51169**	**51170**	1-1/4	63/64	10
1	**51188**	**51189**	1-7/16	1-3/64	10

***3/16 size †Also contained in Asst. No. 501616**

Sizes: No. 4 through 1"
USS (COARSE)
Part No. 501616
398 pieces • 16 items
12050 steel tray

51147 51150 51153 51159 51165 51188
51148 51151 51155 51161 51167
51149 51152 51157 51163 51169

Numbers in assortment

Sizes: 1/4" through 1/2"
USS (COARSE) & SAE (FINE)
Part No. 51106
118 pieces • 10 items
12027 plastic tray

51153 51155 51157 51159 51161
51154 51156 51158 51160 51162

Numbers in assortment

SAE HI-NYLON LOCK NUTS

- **SAE (fine) thread.**
- **Remains locked where other nuts fail.**
- **Extra high nut height for an increased gripping area.**

Sizes: 3/8" through 3/4"
Part No. 503015
16 pieces • 4 items
12034 plastic tray

503392 503394
503393 503395

Numbers in assortment

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
3/8	**503392**	9/16	41/64	12
1/2	**503393**	3/4	13/16	6
5/8	**503394**	15/16	1	6
3/4	**503395**	1-1/16	1-1/4	6
7/8	**503396**	1-1/4	1-7/16	3
1	**503397**	1-7/16	1-43/64	3

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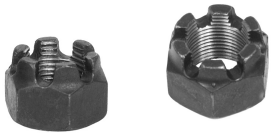
NUTS

GRADE 5 SAE (FINE) CASTLE HEX NUTS

SIZE	PART NO. USS THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4-28	**503240**	7/16	9/32	25
5/16-24	**503241**	1/2	21/64	25
3/8-24	**503242**	9/16	13/32	25
7/16-20	**503243**	11/16	29/64	25
1/2-20	**503244**	3/4	9/16	10
9/16-18	**503245**	7/8	39/64	10
5/8-18	**503246**	15/16	23/32	10
3/4-16	**503247**	1-1/8	13/16	10
7/8-14	**503248**	1-15/16	29/32	5
1-14	**503249**	1-1/2	1	5

- Castle nuts have a cylindrical crown.
- Used with locking pins.
- Cleans cut slots.
- Used as spindle lock nuts.



Protected by **BLACK OXIDE FINISH™** against rust & corrosion

Part No. 501649
78 pieces • 10 items
12061 steel tray

503240 503243 503246 503249
503241 503244 503247
503242 503245 503248

Numbers in assortment

FLANGE NUTS

"GRADE G" HEX LOCK FLANGE NUTS

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
3/8	**703174**	**703170**	50
1/2	**703175**	**703171**	50
5/8	**703176**	**703172**	50
3/4	**703177**	**703173**	10

- Specifically for use with Grade 8 Flange bolts & A193 B-7 studs & threaded rod.
- See A12 for flange bolts.
- Phosphate and oil finish.

HEX LOCK FLANGE NUTS

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
10-24	**720252***	**---**	50
1/4	**50620**	**50624**	50
5/16	**50621**	**50625†**	50
3/8	**50622**	**50626**	50

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
7/16	**50616**	**50627**	25
1/2	**50617**	**50628**	25
5/8	**50618**	**---**	25
3/4	**50619**	**---**	10

† Black Oxide Finish * 3/16" Diameter

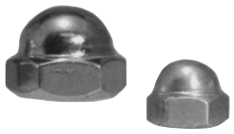
- Flange style with serrated washer face.
- Case hardened.
- Lusterplated.

ACORN CAP NUTS

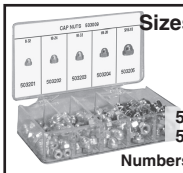
SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
6-32	**503200**	5/16	9/32	100
8-32	**503201**	5/16	9/32	100
10-24*	**503202**	3/8	11/32	100
10-32*†	**503203**	3/8	11/32	100
1/4-20	**503204**	7/16	3/8	100
5/16-18	**503205**	9/16	7/16	50
3/8-16	**503206**	5/8	1/2	50
1/2-13	**503207**	3/4	9/16	25

***3/16" diameter † Fine Thread**

- USS (coarse) threads.
- Dome cover for neat appearance and to prevent snagging.



Protected by **LUSTERPLATE™** against rust & corrosion



Sizes: No. 8 through 5/16"
Part No. 503009
115 pieces • 5 items
12034 plastic tray

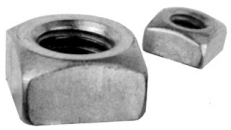
503201 503203 503205
503202 503204

Numbers in assortment

SQUARE NUTS

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
1/4-20	**503230**	7/16	7/32	100
5/16-18	**503231**	9/16	17/64	100
3/8-16	**503232**	5/8	21/64	50
7/16-14	**503233**	3/4	3/8	25
1/2-13	**503234**	13/16	7/16	25
5/8-11	**503235**	1	35/64	10
3/4-10	**503236**	1-1/8	21/32	10
7/8-9	**503237**	1-5/16	49/64	5
1-8	**503238**	1-1/2	7/8	5

- USS (coarse) threads.



Protected by **LUSTERPLATE™** against rust & corrosion

Sizes: 1/4" through 1/2"
Part No. 503025
68 pieces • 5 items • 12028 plastic tray

503230 503231 503232 503233 503234

Numbers in assortment

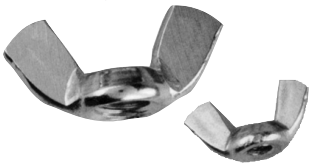
FORGED WING NUTS

SIZE	PART NUMBER (USS)	QTY
6-32	**51140**	50
8-32	**51141**	50
10-24*	**51142**	50
10-32*†	**51136**	50
1/4-20	**51143**	50
5/16-18	**51144**	25

SIZE	PART NUMBER (USS)	QTY
3/8-16	**51145**	25
7/16-14	**51146**	10
1/2-13	**51137**	10
5/8-11	**51138**	5
3/4-10	**51139**	5
--	**---**	-

*** 3/16" Diameter † Fine Thread**

- USS (coarse) threads.
- Nickel plated forged steel, twice as strong as die cast nuts.



Sizes: No. 8 through 3/8" plus 2 metric sizes, 5 and 6mm
Part No. 51104
61 pieces • 7 items
12035 plastic tray

51141 51143 51145 553299
51142 51144 532100

Numbers in assortment

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WASHERS

MASTER WASHER ASSORTMENT

A size and style for all your requirements.

- **Standard alloy washers (Grade 2).**
- **5-styles, flat, split, external, internal and countersunk.**
- **6-sizes - #4, 6, 8, 10, 12 and 14 (1/4").**

SMALL DIAMETER
Part No. 501577
2215 pieces • 30 items • 12062 steel tray

FLAT	SPLIT	EXTERNAL	INTERNAL	COUNTERSUNK
No. 4	No. 4	No. 4	No. 4	No. 4
No. 6	No. 6	No. 6	No. 6	No. 6
No. 8	No. 8	No. 8	No. 8	No. 8
No. 10	No. 10	No. 10	No. 10	No. 10
No. 12	No. 12	No. 12	No. 12	No. 12
No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)

Numbers in assortment

SUPRALLOY L9® FLAT WASHERS

- **All washers can be used with USS & SAE L9® Cap Screws.**
- **Yellow Cadmium Dichromate plated to resist rust & corrosion.**
- **The use of two grade 9 washers with each installation is engineered to produce the desired bolt clamp load.**

SHOP ASSORTMENT
Part No. 601311
225 pieces • 10 items
12043 plastic tray

602941	602943	602945	602947	602949
602942	602944	602946	602948	602950

Numbers in assortment

BOLT SIZE	PART NUMBER	I.D. MIN./MAX.	O.D. MIN./MAX.	THICKNESS MIN.MAX.	QTY
1/4	**602941**	17/64 - 19/64	5/8 - 41/64	3/64 - 5/64	100
5/16	**602942**	11/32 - 23/64	17/64 - 45/64	3/64 - 5/64	100
3/8	**602943**	13/32 - 27/64	13/16 - 55/64	3/64 - 5/64	100
7/16	**602944**	15/32 - 31/64	59/64 - 15/16	3/64 - 5/64	50
1/2	**602945**	33/64 - 35/64	1-1/16 - 1-3/32	5/64 - 1/8	50
9/16	**602946**	19/32 - 39/64	1-9/64 - 1-3/16	5/64 - 1/8	50
5/8	**602947**	21/32 - 11/16	1-5/16 - 1-11/32	5/64 - 1/8	25
3/4	**602948**	13/16 - 27/32	1-15/32 - 1-1/2	7/64 - 5/32	12
7/8	**602949**	15/16 - 31/32	1-3/4 - 1-25/32	7/64 - 5/32	12
1	**602950**	1-3/64 - 1-3/32	1-63/64 - 2-1/32	7/64 - 5/32	12

GRADE 8 ALLOY WASHERS

Protected by
LUSTERPLATE™
against rust & corrosion

- **Through hardened alloy steel.**
- **Stays flat on rough surfaces.**
- **Will not "BEND" or "DISH".**
- **Prevents soft materials from caving in under load.**

USS (COARSE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504230**	5/16	3/4	.055/.072	200
5/16	**504231**	3/8	7/8	.064/.080	200
3/8	**504232**	7/16	1	.064/.080	200
7/16	**504233**	1/2	1-1/4	.064/.080	100
1/2	**504234**	9/16	1-3/8	.097/.121	100
9/16	**504235**	5/8	1-1/2	.097/.121	50
5/8	**504236**	11/16	1-3/4	.122/.146	50
3/4	**504237**	13/16	2	.122/.146	25
7/8	**504238**	15/16	2-1/4	.136/.160	25
1	**504239**	1-1/16	2-1/2	.136/.160	25
1-1/8	**504240**	1-1/4	2-3/4	.136/.160	25
1-1/4	**504241**	1-3/8	3	.136/.160	25
1-1/2	**504242**	1-5/8	3-1/2	.136/.160	25

SHOP ASSORTMENT
USS (COARSE)
Part No. 504008
200 pieces • 6 items
12028 plastic tray

504230	504232	504234
504231	504233	504235

Numbers in assortment

SHOP ASSORTMENT
SAE (FINE)
Part No. 504009
200 pieces • 6 items
12028 plastic tray

504275	504277	504279
504276	504278	504280

Numbers in assortment

SAE (FINE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504275**	9/32	5/8	.055/.072	200
5/16	**504276**	11/32	11/16	.055/.072	200
3/8	**504277**	13/32	13/16	.055/.072	200
7/16	**504278**	15/32	59/64	.055/.072	100
1/2	**504279**	17/32	1-1/16	.097/.121	100
9/16	**504280**	19/32	1-3/16	.097/.121	50
5/8	**504281**	11/16	1-5/16	.122/.146	50
3/4	**504282**	13/16	1-15/32	.122/.146	25
7/8	**504283**	15/16	1-3/4	.136/.160	25
1	**504284**	1-1/8	2	.136/.160	25
1-1/8	**504272**	1-1/4	2-1/4	.136/.160	25
1-1/4	**504273**	1-3/8	2-1/2	.136/.160	25
1-3/8	**504326**	1-1/2	2-3/4	.136/.160	10
1-1/2	**504274**	1-5/8	3	.136/.160	25
1-3/4	**504327**	1-7/8	3-3/8	.178/.201	5
2	**504328**	2-1/8	3-3/4	.178/.201	2

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WASHERS

HEAVY DUTY GRADE 8 (SAE) WASHERS

60% thicker than ordinary washers.

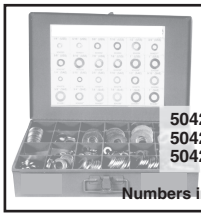
Protected by **LUSTERPLATE™** against rust & corrosion

- Use with Grade 8, Grade 5 and Grade 2 cap screws.
- Meets ASTM F-436 specifications.
- Conforms to SAE dimensions.
- Fabricated from quality, medium carbon steel, quenched and tempered.

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504251**	9/32	5/8	.090/.110	50
5/16	**504252**	11/32	11/16	.090/.110	50
3/8	**504253**	13/32	13/16	.090/.110	25
7/16	**504254**	15/32	59/64	.090/.110	25
1/2	**504255**	17/32	1-1/16	.156/.188	10
9/16	**504331**	19/32	1-3/16	.156/.188	10
5/8	**504256**	21/32	1-5/16	.170/.195	10
3/4	**504257**	13/16	1-15/32	.170/.195	10
7/8	**504258**	15/16	1-3/4	.235/.265	5
1	**504259**	1-1/16	2	.235/.265	5
1-1/8	**504260**	1-1/4	2-1/4	.286/.336	5
1-1/4	**504329**	1-3/8	2-1/2	.286/.336	5
1-1/2	**504330**	1-5/8	3	.286/.336	5

Part No. 504250
155 pieces • 6 items
12028 plastic tray

504251 504253 504255
504252 504254 504256
Numbers in assortment



Part No. 501618
219 pieces • 9 items
12061 steel tray

504251 504254 504257
504252 504255 504258
504253 504256 504259
Numbers in assortment

HEAVY DUTY GRADE 8 (USS) WASHERS

60% thicker than ordinary washers.

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504337**	5/16	3/4	.090/.110	50
5/16	**504338**	3/8	7/8	.090/.110	50
3/8	**504339**	7/16	1	.090/.110	25
1/2	**504332**	9/16	1-3/8	.156/.188	10
5/8	**504333**	11/16	1-3/4	.170/.195	10
3/4	**504334**	13/16	2	.170/.195	10
7/8	**504335**	15/16	2-1/4	.235/.265	5
1	**504336**	1-1/16	2-1/2	.235/.265	5

- Use with Grade 8, Grade 5 and Grade 2 hex head cap screws.
- Conforms to USS dimensions.
- Zinc yellow
- Fabricated from quality, medium carbon steel, quenched and tempered.

PSS061119

STANDARD ALLOY (USS & SAE) WASHERS

Protected by **LUSTERPLATE™** against rust & corrosion

- Resists distortion.
- Used with Grade 2 or Grade 5 capscrews and bolts.

USS (COARSE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
3/16*	**50905**	1/4	9/16	3/64	200
1/4	**50906**	5/16	3/4	1/6	400
5/16	**50907**	3/8	7/8	5/64	200
3/8	**50908**	7/16	1	5/64	200
7/16	**50909**	1/2	1-1/4	5/64	200
1/2	**50910**	9/16	1-3/8	7/64	100
9/16	**50911**	5/8	1-1/2	7/64	100
5/8	**50912**	11/16	1-3/4	9/64	100
3/4	**50913**	13/16	2	5/32	50
7/8	**50914**	15/16	2-1/4	11/64	50
1	**50915**	1-1/16	2-1/2	11/64	25
1-1/8	**50916**	1-1/4	2-3/4	11/64	25
1-1/4	**50917**	1-3/8	3	11/64	25
1-1/2	**50918**	1-5/8	3-1/2	3/16	25

SAE (FINE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
No. 6	**50921**	5/32	3/8	3/64	500
No. 8	**50922**	3/16	7/16	3/64	500
3/16*	**50923**	7/32	1/2	3/64	500
1/4	**50924**	9/32	5/8	1/16	400
5/16	**50925**	11/32	11/16	1/16	200
3/8	**50926**	13/32	13/16	1/16	200
7/16	**50927**	15/32	59/64	1/16	200
1/2	**50928**	17/32	1-1/16	3/32	100
9/16	**50929**	19/32	1-3/16	3/32	100
5/8	**50930**	21/32	1-5/16	3/32	100
3/4	**50931**	13/16	1-1/2	9/64	50
7/8	**50932**	15/16	1-3/4	9/64	50
1	**50933**	1-1/16	2	9/64	25
1-1/8	**50934**	1-3/16	2-1/4	9/64	25
1-1/4	**50935**	1-5/16	2-1/2	5/32	25
1-1/2	**50936**	1-9/16	3	5/32	25

***10 size**

SHOP ASSORTMENT
USS (COARSE)
Part No. 50901
200 pieces • 6 items
12028 plastic tray

50906 50908 50910
50907 50909 50911
Numbers in assortment

SHOP ASSORTMENT
SAE (FINE)
Part No. 50902
440 pieces • 10 items
12030 plastic tray

50921 50923 50925 50927 50929
50922 50924 50926 50928 50930
Numbers in assortment

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WASHERS

MACHINE SCREW WASHERS

Part No. 50950
500 pieces • 6 items
12036 plastic tray

50951	50953	50955
50952	50954	50956

Numbers in assortment

SCREW SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
No. 4	**50951**	1/8	9/32	1/32	200
No. 6	**50952**	5/32	3/8	1/32	200
No. 8	**50953**	11/64	3/8	1/32	200
No. 10†	**50954**	13/64	7/16	1/32	200
No. 12	**50955**	7/32	1/2	3/64	200
1/4	**50956**	17/64	9/16	3/64	200
5/16	**50957**	21/64	3/4	1/16	200
3/8	**50958**	25/64	7/8	1/16	250

† 3/16 size

NICKEL PLATED FINISHING WASHERS

Part No. 51060
400 pieces • 7 items
12035 plastic tray

51061	51063	51065	51067
51062	51064	51066	

Numbers in assortment

- **Brass nickel plated to prevent corrosion.**
- **Use on headliners, trim, door panels, etc.**

SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 4	---	**51059**	100
No. 6	---	**51063**	100
No. 8	**51061**	**51064**	100
No. 10	**51062**	**51065**	100
No. 12	---	**51066**	100
No. 14(1/4)	---	**51067**	100

OVERSIZE WASHERS (FENDER WASHERS)

Part No. 716001
110 pieces • 6 items • 12047 plastic tray

716478 716479 716480 716481 716482 716483

Numbers in assortment

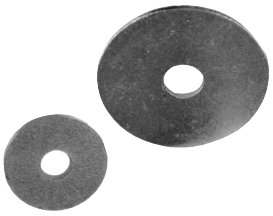
Part No. 501483*
325 pieces • 16 items
12050 steel tray

716481	716491	716495	717142
716483	716492	716497	717143
716484	716493	717140	717144
716490	716494	717141	717145

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

- **Designed for applications requiring large bearing surface.**
- **Universal applications.**



BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
3/16	**716490**	---	1/2	100
3/16	**716491**	---	3/4	100
3/16	---	**716477**	15/16	25
1/4	**717140**	---	5/8	100
1/4	---	**716478**	1	25
1/4	---	**716479**	1-1/8	25
1/4	**717141**	---	1-1/4	100
1/4	---	**716480**	1-1/2	25
5/16	**717142**	---	3/4	100
5/16	**717143**	**716481**	1-1/4	50
5/16	**716492**	---	1-1/2	50
3/8	**717144**	**716482**	1-1/4	50
3/8	**717145**	---	1-1/2	50
3/8	**716493**	**716483**	1-3/4	25
3/8	**716497**	---	2	25
1/2	**716494**	---	1-1/2	25
1/2	**716495**	**716484**	2	25

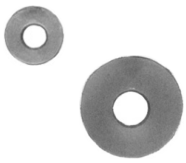
WHITE NYLON WASHERS

Part No. 504014
245 pieces • 8 items
12031 plastic tray

504220	504222	504224	504226
504221	504223	504225	504227

Numbers in assortment

- **Multi-purpose, non-conductive, non-corrosive.**



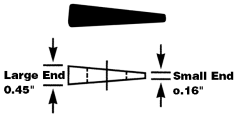
BOLT SIZE	PART NUMBER	O.D.	THICKNESS	QTY
No. 4	**504219**	9/32	.030	100
No. 6	**504220**	5/16	.030	100
No. 8	**504221**	3/8	.030	100
No. 10†	**504222**	7/16	.040	100
1/4	**504223**	11/16	.040	100
5/16	**504224**	13/16	.040	100
3/8	**504225**	1	.062	100
7/16	**504226**	1-1/8	.062	50
1/2	**504227**	1-1/4	.062	50

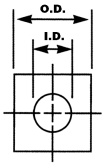
† 3/16 size

SQUARE BEVELED WASHERS

Used in high strength structural applications mainly american standard beams and channels.

BOLT SIZE	PART NUMBER	QTY	I.D.	O.D.
1/2	**504345**	5	17/32	1-3/4
5/8	**504346**	5	11/16	1-3/4
3/4	**504347**	5	13/16	1-3/4
7/8	**504348**	5	15/16	1-3/4
1	**504349**	5	1-1/8	1-3/4





- **Beveled washers compensate for lack of parallism.**
- **Use with A325 and A490 bolts.**
- **Hardened steel, quenched and tempered.**
- **Meets ASTM Specifications F436.**

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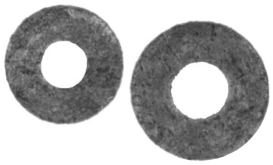
WASHERS

GALVANIZED WASHERS



BOLT SIZE	PART NUMBER	QTY
1/4	603136	50
5/16	603137	50
3/8	603138	50
1/2	603139	25
5/8	603140	10

- Hot dipped galvanized for superior corrosion resistance.
- For use with USS (coarse thread) galvanized bolts.

Part No. 601051
165 pieces • 5 items
12047 plastic tray

603136 603138 603140
603137 603139

Numbers in assortment

SUPRALLOY HIGH STRENGTH SPLIT LOCK WASHERS

- Special high carbon alloy steel for greater tension.
- Tighter assemblies, reusable without loss of tension.
- Won't gouge mating surfaces.
- Baked Yellow Zinc Dichromate finish eliminates rust.
- Used with Grade 8 cap screws.

SIZE	PART NUMBER	QTY
1/4	504285	100
5/16	504286	100
3/8	504287	100
7/16	504288	100
1/2	504289	100
9/16	504290	50
5/8	504291	50

SIZE	PART NUMBER	QTY
3/4	504292	25
7/8	504293	25
1	504294	25
1-1/8	504295	25
1-1/4	504296	25
1-3/8	504298	10
1-1/2	504297	25

Part No. 504011
300 pieces • 6 items
12028 plastic tray

504285 504287 504289
504286 504288 504290

Numbers in assortment

Part No. 501620
385 pieces • 10 items
12061 steel tray

504285 504287 504289 504291 504293
504286 504288 504290 504292 504294

Numbers in assortment

STANDARD SPLIT LOCK WASHERS

- Non-linking, high carbon spring steel.
- Reusable without loss of locking power.
- Used with Grade 5 or Grade 2 cap screws.

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NUMBER	QTY
No. 4	50810	500
No. 6	50811	500
No. 8	50812	500
No. 10*	50813	500
No. 12	50814	500
1/4	50815	400
5/16	50816	200
3/8	50817	200
7/16	50818	200
1/2	50819	100
9/16	50820	100

SIZE	PART NUMBER	QTY
5/8	50821	100
3/4	50822	50
7/8	50823	50
1	50824	25
1-1/8	50825	25
1-1/4	50826	25
1-3/8	50828	10
1-1/2	50827	25
1-3/4	50829	5
2	50830	2

*** 3/16 size**

Part No. 501619
750 pieces • 15 items
12050 steel tray

50810 50813 50816 50819 50822
50811 50814 50817 50820 50823
50812 50815 50818 50821 50824

Numbers in assortment

HIGH COLLAR SPLIT LOCK WASHERS

- Use high collar lock washers with socket head cap screws.

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NUMBER	QTY
No. 8	504261	100
No. 10†	504262	100
1/4	504263	100
5/16	504264	100
3/8	504265	100
7/16	504266	100

SIZE	PART NUMBER	QTY
1/2	504267	50
5/8	504268	50
3/4	504269	25
7/8	504270	25
1	504271	25

† 3/16 size

Part No. 501621
436 pieces • 11 items
12061 steel tray

504261 504264 504267 504270
504262 504265 504268 504271
504263 504266 504269

Numbers in assortment

GALVANIZED LOCK WASHERS

SIZE INCHES	PART NUMBER	QTY
1/4	603142	100
5/16	603143	100
3/8	603144	100
1/2	603145	50
5/8	603146	25

- Hot dipped galvanized for superior corrosion protection.
- High carbon spring steel.

Part No. 601052
262 pieces • 5 items
12047 plastic tray

603142 603143 603144 603145 603146

Numbers in assortment

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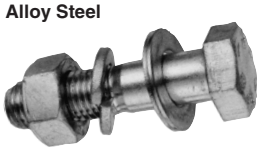
MOST USED METRIC FASTENERS & FACTS

TENSILE STRENGTH	MATERIAL	HEAD	PLATING	ILLUSTRATION
170,000 PSI	Medium Carbon alloy Steel	Standard	Lusterplated To resist rust And corrosion	10.9
128,000 PSI	Medium Carbon Steel	Standard	Lusterplated To resist rust And corrosion	8.8

HEX HEAD CAP SCREWS

- **DIN 931 & 933 (Coarse Thread)**
- **DIN 960 & 961 (Fine & Extra Fine Thread)**
- **Medium Carbon Steel Grade 8.8**
- **Medium Carbon Alloy Steel Grade 10.9**



HEX NUTS

- **DIN 934 (Coarse, Fine & Extra Fine Thread)**
- **Standard Steel Class 8 (Grade 8.8)**
- **Hardened Steel Class 10 (Grade 10.9)**

WASHERS

- **DIN 125 Flat**
- **DIN 127 Split Lock**
- **DIN 137 Spring Lock**
- **Standard Steel Class 8 (Grade 8.8)**
- **Hardened Steel Class 10 (Grade 10.9)**

METRIC FACTS

	COARSE THREAD			FINE THREAD			EXTRA FINE THREAD			WRENCH	
DIA. MM	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	STD	UND
4	.70	36	3.30	-	-	-	-	-	-	7mm	-
5	.80	32	4.20	-	-	-	-	-	-	8mm	-
6	1.00	25	6.00	-	-	-	-	-	-	10mm	-
7	1.00	25	6.00	-	-	-	-	-	-	11mm	-
8	1.25	20	6.75	1.00	25	7.00	-	-	-	13mm	12mm
10	1.50	17	8.50	1.25	20	8.75	1.00	25	9.00	17mm	14mm
12	1.75	14.5	10.25	1.50	17	10.50	1.25	20	10.75	19mm	17mm
14	2.00	12.5	12.00	1.50	17	12.50	1.25	20	12.75	22mm	-
16	2.00	12.5	14.00	1.50	20	15.00	1.25	20	15.25	24mm	-
20	2.50	10.5	17.50	1.50	17	18.50	-	-	-	30mm	-

- **Pitch is the distance measured between two threads**
- **All metrics comply to D.I.N. and International Standards**

"MOST USED" METRIC FASTENERS

Class 8.8 Hex Head Cap Screws
20 standard thread sizes from 5 x 16mm through 12 x 60mm.

Pan Head Machine Screws
16 standard thread sizes from 3 x 6mm through 6 x 30mm.

Flat Head Machine Screws
15 sizes in 5 diameters from 3 x 6mm through 6 x 30mm.

Class 8 Hex Nuts, Flat and Lock Washers
7 standard thread sizes from 3 to 12mm with matching washers

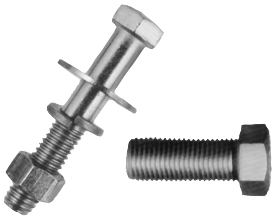
Part No. 501465
Over 2700 pieces • 72 items
12020 (18) drawer steel cabinet

"MOST USED" FINE THREAD METRIC CAP SCREWS AND NUTS for Japanese cars

Class 8.8 Hex Head Cap Screws
DIN 960
22 different caps screws, with standard head sizes, 8 x 16mm to 12 x 50mm.

Class 8.8 Hex Nuts
5 different nuts; 8mm-1.00, 10mm-1.00, 10mm-1.50, 12mm-1.25, 12mm-1.50 pitch sizes.

Combine with Assortment Part No. 501465 for complete automotive metric coverage. Cabinets match exactly.



Part No. 501479
Over 335 pieces • 27 items
12065 (6) drawer steel cabinet

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MOST POPULAR METRIC FASTENERS

80 BIN METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS

- 8.8 Metric cap screws are manufactured from medium carbon steel for a minimum tensile strength of 128,000 PSI.
- The most popular sizes of metric cap screws, nuts, flat washers and lock washers from 4mm through 12mm.
- 80 compartment combination cabinet (Two 40 bin cabinets: 33-3/4" wide x 24" high x 9" deep).

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

COARSE & FINE THREAD

Part No. 501052L
1566 pieces • 63 items
(2) 12021 steel cabinets
1/2 QUANTITY AVAILABLE ORDER NO. 501052M

Assortment Photo for illustration purposes only. Actual Contents may vary.

4-.70 x 20mm	8-1.25 x 10mm	10-1.50 x 50mm	12-1.75 hex nut	10-1.00 x 30mm	12-1.25 x 35mm	4mm flat washer	4mm lock washer
5-.80 x 20mm	8-1.25 x 20mm	12-1.75 x 30mm		10-1.00 x 40mm	12-1.25 x 40mm	5mm flat washer	5mm lock washer
5-.80 x 30mm	8-1.25 x 25mm	12-1.75 x 40mm		10-1.25 x 25mm	12-1.25 x 50mm	6mm flat washer	6mm lock washer
6-1.00 x 10mm	8-1.25 x 30mm	12-1.75 x 50mm		10-1.25 x 35mm	12-1.50 x 25mm	8mm flat washer	8mm lock washer
6-1.00 x 20mm	8-1.25 x 40mm	4-.70 hex nut	8-1.00 x 16mm	10-1.25 x 40mm	12-1.50 x 35mm	10mm flat washer	10mm lock washer
6-1.00 x 25mm	8-1.25 x 50mm	5-.80 hex nut	8-1.00 x 25mm	12-1.25 x 25mm	12-1.50 x 40mm	12mm flat washer	12mm lock washer
6-1.00 x 30mm	10-1.50 x 20mm	6-1.00 hex nut	8-1.00 x 30mm	8-1.00 hex nut	12-1.50 x 50mm		
6-1.00 x 40mm	10-1.50 x 30mm	8-1.25 hex nut	8-1.00 x 40mm	10-1.00 hex nut	10-1.25 hex nut		
6-1.00 x 50mm	10-1.50 x 40mm	10-1.50 hex nut	10-1.00 x 25mm	12-1.25 hex nut	12-1.50 hex nut		
COARSE			FINE				

80 BIN METRIC CLASS 10.9 COARSE THREAD FASTENERS

- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- The most popular sizes of metric cap screws, nuts, flat washers and lock washers from 6mm through 16mm.
- 80 compartment combination cabinet (Two 40 bin cabinets: 33-3/4" wide x 24" high x 9" deep).

10.9

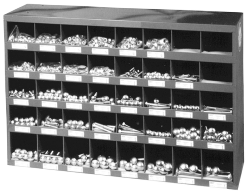
COARSE THREAD

Part No. 501033
1250 pieces • 71 items
(2) 12021 steel cabinets

Assortment Photo for illustration purposes only. Actual Contents may vary.

6mm flat washer	8mm flat washer	10mm flat washer	12mm flat washer	14mm flat washer	16mm flat washer	6mm lock washer	8mm lock washer
10mm lock washer	12mm lock washer	14mm lock washer	16mm lock washer	6mm hex nut	8mm hex nut	10mm hex nut	12mm hex nut
14mm hex nut	16mm hex nut	6mm x 16mm	6mm x 20mm	6mm x 25mm	6mm x 30mm	6mm x 35mm	6mm x 40mm
6mm x 45mm	6mm x 50mm	8mm x 16mm	8mm x 20mm	8mm x 25mm	8mm x 30mm	8mm x 40mm	8mm x 45mm
8mm x 50mm	8mm x 60mm	8mm x 70mm	10mm x 20mm	10mm x 30mm	10mm x 40mm	10mm x 50mm	10mm x 60mm
10mm x 70mm	10mm x 80mm	10mm x 90mm	10mm x 100mm	12mm x 25mm	12mm x 30mm	12mm x 40mm	10mm x 50mm
12mm x 60mm	12mm x 70mm	12mm x 80mm	12mm x 90mm	12mm x 100mm	14mm x 30mm	14mm x 40mm	14mm x 50mm
14mm x 60mm	14mm x 70mm	14mm x 80mm	14mm x 90mm	14mm x 100mm	14mm x 120mm	16mm x 30mm	16mm x 40mm
16mm x 50mm	16mm x 60mm	16mm x 70mm	16mm x 80mm	16mm x 90mm	16mm x 100mm	16mm x 120mm	

40 BIN METRIC CLASS 8.8 COARSE FASTENERS



- Manufactured from medium carbon steel for a minimum tensile strength of 128,000 PSI.
- Popular sizes of metric cap screws, nuts, flat washers and lock washers from 4mm through 12mm.
- 40 compartment combination cabinet (40 bin cabinet: 33-3/4" wide x 24" high x 9" deep).

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

COARSE THREAD

Part No. 501041
646 pieces • 40 items
12021 steel cabinet

Assortment Photo for illustration purposes only. Actual Contents may vary.

4mm flat washer	5mm flat washer	6mm flat washer	8mm flat washer	10mm flat washer	12mm flat washer	4mm lock washer	5mm lock washer
6mm lock washer	8mm lock washer	10mm lock washer	12mm lock washer	4mm hex nut	5mm hex nut	6mm hex nut	8mm hex nut
10mm hex nut	12mm hex nut	4mm x 20mm	5mm x 20mm	5mm x 30mm	6mm x 10mm	6mm x 20mm	6mm x 25mm
6mm x 30mm	6mm x 40mm	6mm x 50mm	8mm x 10mm	8mm x 20mm	8mm x 25mm	8mm x 30mm	8mm x 40mm
8mm x 50mm	10mm x 20mm	10mm x 30mm	10mm x 40mm	10mm x 50mm	12mm x 30mm	12mm x 40mm	12mm x 50mm
COARSE							

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METRIC HEX HEAD CAP SCREWS

CLASS 10.9 COARSE THREAD

- DIN 931 & 933.
- Comparable to Grade 8 strength in Fractional Hardware.
- Longer lengths may be partially threaded.

	DIA. 6mm PITCH 1.00		DIA. 8mm PITCH 1.25		DIA. 10mm PITCH 1.50		DIA. 12mm PITCH 1.75		DIA. 14mm PITCH 2.00		DIA. 16mm PITCH 2.00		DIA. 20mm PITCH 2.50		DIA. 24mm PITCH 3.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
12mm	630275	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
14mm	630276	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
16mm	630110	25	630279	25	630285	12	---	-	---	-	---	-	---	-	---	-
18mm	630116	25	630126	25	---	-	---	-	---	-	---	-	---	-	---	-
20mm	630111	25	630119	25	630128	12	630288	12	---	-	---	-	---	-	---	-
25mm	630112	25	630280	25	630129	12	630139	12	630295	6	---	-	---	-	---	-
30mm	630277	25	630120	25	630130	12	630140	12	630151	6	630167	6	---	-	---	-
35mm	630278	25	630281	25	630131	12	630141	12	630296	6	630299	6	---	-	---	-
40mm	630113	25	630121	25	630132	12	630142	12	630153	6	630161	6	630418	3	630321	3
45mm	630114	25	630122	25	630401	12	630289	12	630408	6	630300	6	630419	3	630336	3
50mm	630115	25	630123	25	630133	12	630143	12	630154	6	630162	6	630307	3	630322	3
55mm	---	-	630282	25	630402	12	630290	12	630409	6	630301	6	630308	3	630337	3
60mm	---	-	630124	25	630134	12	630144	12	630155	6	630163	6	630309	3	630323	3
65mm	---	-	630283	25	630403	12	630291	6	630410	6	630302	6	630310	3	630338	3
70mm	---	-	630125	25	630135	12	630145	6	630156	6	630164	6	630311	3	630324	3
75mm	---	-	630284	12	630404	12	630292	6	630411	6	630303	6	630312	3	630339	3
80mm	---	-	---	-	630136	12	630146	6	630157	6	630165	6	630313	3	630325	3
90mm	---	-	---	-	630286	6	630147	3	630297	3	630304	3	630314	3	630326	3
100mm	---	-	---	-	630287	3	630148	3	630158	3	630166	3	630315	3	630327	3
110mm	---	-	---	-	630405	3	630293	3	630298	3	630305	3	630316	2	630328	2
120mm	---	-	---	-	630406	3	630294	3	630159	3	630306	3	630317	2	630329	2
130mm	---	-	---	-	630407	3	---	-	---	-	630412	3	630318	2	630330	2
140mm	---	-	---	-	---	-	---	-	---	-	630413	3	630319	2	630331	2
150mm	---	-	---	-	---	-	---	-	---	-	630414	3	630320	2	630332	2
160mm	---	-	---	-	---	-	---	-	---	-	630415	3	630420	2	630333	2
180mm	---	-	---	-	---	-	---	-	---	-	630416	3	630421	2	630334	2
200mm	---	-	---	-	---	-	---	-	---	-	630417	3	630422	2	630335	2

	HEX NUT CLASS 10 DIN 934		FLAT WASHER CLASS 10 DIN 125		LOCK WASHER 8.8 & 10.9* DIN 127	
SIZE	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	630170	100	630180	100	532020	200
8mm	630171	100	630181	100	532022	200
10mm	630172	100	630182	100	532023	200
12mm	630173	50	630183	50	532024	200
14mm	630174	25	630184	25	532025	200
16mm	630175	25	630185	25	553379	100
20mm	630176	10	630186	10	553381	100
24mm	630177	10	630187	10	553382	100

*** Compatible with 8.8 and 10.9 fastening systems according to IFI standards.**

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METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD (FULL THREAD)

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **DIN 933.**
- **Longer lengths may be unplated.**
- **Comparable to Grade 5 strength in Standard Hardware.**

	DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00		DIA. 7mm PITCH 1.00		DIA. 8mm PITCH 1.25		DIA. 10mm PITCH 1.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
10mm	553701*	50	553212*	100	553222*	100	553300*	50	553240*	50	---	-
12mm	553450*	50	553213*	100	553223*	100	553301*	50	553241*	50	---	-
16mm	553210*	100	553214*	100	553224*	100	553302*	50	553242*	50	553253*	25
18mm	553702*	50	553704*	50	553706*	50	---	-	553458*	50	---	-
20mm	553211*	100	553215*	100	553225*	100	553303*	50	553243*	50	553254*	25
22mm	553703*	50	553705*	50	553707*	50	553308*	25	553459*	50	553709*	12
25mm	---	-	553216*	100	553226*	100	553304*	50	553244*	50	553255*	25
30mm	---	-	553217FT	100	553227FT	100	553305FT	50	553245*	50	553256*	25
35mm	---	-	553218FT	100	553228FT	100	553306FT	50	553246FT	50	553462*	25
40mm	---	-	553219FT	100	553229FT	50	553307FT	50	553247FT	50	553257FT	25
45mm	---	-	553220FT	100	553230FT	50	---	-	553248FT	50	553710FT	12
50mm	---	-	553451FT	50	553231FT	50	---	-	553249FT	50	553258FT	25
55mm	---	-	---	-	---	-	---	-	---	-	553711FT	12
60mm	---	-	553452FT	25	553232FT	50	---	-	553250FT	50	553259FT	25
65mm	---	-	---	-	---	-	---	-	---	-	553712FT	12
70mm	---	-	553453FT	25	553454FT	25	---	-	553251FT	50	553260FT	25
75mm	---	-	---	-	553708FT	25	---	-	553460FT	25	553713FT	12
80mm	---	-	---	-	553455FT	25	---	-	553252FT	25	553261FT	25
90mm	---	-	---	-	553456FT	25	---	-	553461FT	12	553463FT	25
100mm	---	-	---	-	553457FT	12	---	-	553233FT	25	553262FT	25

	DIA. 12mm PITCH 1.75		DIA. 14mm PITCH 2.00		DIA. 16mm PITCH 2.00		DIA. 20mm PITCH 2.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
20mm	553263*	25	553272*	12	---	-	---	-
25mm	553264*	25	553273*	12	553310*	12	---	-
30mm	553265*	25	553274*	12	553311*	12	---	-
35mm	553464*	25	553473*	12	553312*	12	---	-
40mm	553266FT	25	553275*	12	553313*	12	553341*	6
45mm	553714FT	12	553480*	6	553314*	12	553357*	3
50mm	553267FT	25	553276FT	12	553315FT	12	553342*	6
55mm	553465FT	25	553481FT	6	553316FT	12	553343*	6
60mm	553268FT	25	553277FT	12	553317FT	12	553344*	6
65mm	553466FT	12	553482FT	6	553318FT	12	553345FT	6
70mm	553269FT	12	553278FT	12	553319FT	12	553346FT	6
75mm	553467FT	12	553483FT	6	553320FT	12	553347FT	6
80mm	553270FT	12	553279FT	12	553321FT	12	553348FT	6
90mm	553468FT	12	553474FT	12	553322FT	12	553349FT	6
100mm	553271FT	6	553280FT	12	553323FT	6	553350FT	6
110mm	553469FT	6	553475FT	6	553324FT	6	553351FT	6
120mm	553470FT	6	553476FT	6	553325FT	6	553352FT	6
130mm	553471FT	6	553477FT	3	553326FT	6	553353FT	6
140mm	553472FT	3	553478FT	3	553327FT	6	553354FT	6
150mm	553715FT	3	553479FT	3	553328FT	6	553355FT	6

*** Items are only available fully threaded.**
DO NOT add the letters "FT" after these part numbers.

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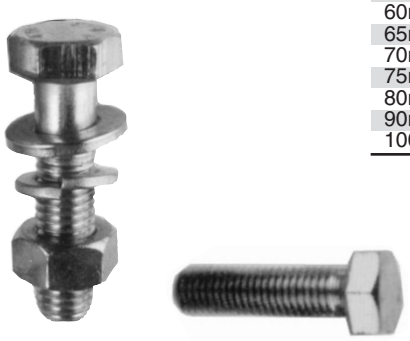
METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD (PARTIAL THREAD)

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **DIN 931.**
- **Longer lengths may be unplated.**
- **Comparable to Grade 5 strength in Standard Hardware.**



LENGTH	DIA. 4mm PITCH .70 PART NUMBER	QTY	DIA. 5mm PITCH .80 PART NUMBER	QTY	DIA. 6mm PITCH 1.00 PART NUMBER	QTY	DIA. 7mm PITCH 1.00 PART NUMBER	QTY	DIA. 8mm PITCH 1.25 PART NUMBER	QTY	DIA. 10mm PITCH 1.50 PART NUMBER	QTY
10mm	553701*	50	553212*	100	553222*	100	553300*	50	553240*	50	---	-
12mm	553450*	50	553213*	100	553223*	100	553301*	50	553241*	50	---	-
16mm	553210*	100	553214*	100	553224*	100	553302*	50	553242*	50	553253*	25
18mm	553702*	50	553704*	50	553706*	50	---	-	553458*	50	---	-
20mm	553211*	100	553215*	100	553225*	100	553303*	50	553243*	50	553254*	25
22mm	553703*	50	553705*	50	553707*	50	553308*	25	553459*	50	553709*	12
25mm	---	-	553216*	100	553226*	100	553304*	50	553244*	50	553255*	25
30mm	---	-	553217	100	553227	100	553305	50	553245*	50	553256*	25
35mm	---	-	553218	100	553228	100	553306	50	553246	50	553462*	25
40mm	---	-	553219	100	553229	50	553307	50	553247	50	553257	25
45mm	---	-	553220	100	553230	50	---	-	553248	50	553710	12
50mm	---	-	553451	50	553231	50	---	-	553249	50	553258	25
55mm	---	-	---	-	---	-	---	-	---	-	553711	12
60mm	---	-	553452	25	553232	50	---	-	553250	50	553259	25
65mm	---	-	---	-	---	-	---	-	---	-	553712	12
70mm	---	-	553453	25	553454	25	---	-	553251	50	553260	25
75mm	---	-	---	-	553708	25	---	-	553460	25	553713	12
80mm	---	-	---	-	553455	25	---	-	553252	25	553261	25
90mm	---	-	---	-	553456	25	---	-	553461	12	553463	25
100mm	---	-	---	-	553457	12	---	-	553233	25	553262	25

LENGTH	DIA. 12mm PITCH 1.75 PART NUMBER	QTY	DIA. 14mm PITCH 2.00 PART NUMBER	QTY	DIA. 16mm PITCH 2.00 PART NUMBER	QTY	DIA. 18mm PITCH 2.50 PART NUMBER	QTY	DIA. 20mm PITCH 2.50 PART NUMBER	QTY
20mm	553263*	25	553272*	12	---	-	---	-	---	-
25mm	553264*	25	553273*	12	553310*	12	---	-	---	-
30mm	553265*	25	553274*	12	553311*	12	553716	3	---	-
35mm	553464*	25	553473*	12	553312*	12	553717	3	---	-
40mm	553266	25	553275*	12	553313*	12	553333	6	553341*	6
45mm	553714	12	553480*	6	553314*	12	553718	3	553357*	3
50mm	553267	25	553276	12	553315	12	553334	6	553342*	6
55mm	553465	25	553481	6	553316	12	553719	3	553343*	6
60mm	553268	25	553277	12	553317	12	553335	6	553344*	6
65mm	553466	12	553482	6	553318	12	553720	3	553345	6
70mm	553269	12	553278	12	553319	12	553336	6	553346	6
75mm	553467	12	553483	6	553320	12	553721	3	553347	6
80mm	553270	12	553279	12	553321	12	553337	6	553348	6
90mm	553468	12	553474	12	553322	12	553338	6	553349	6
100mm	553271	6	553280	12	553323	6	553339	3	553350	6
110mm	553469	6	553475	6	553324	6	553340	3	553351	6
120mm	553470	6	553476	6	553325	6	553722	3	553352	6
130mm	553471	6	553477	3	553326	6	553723	3	553353	6
140mm	553472	3	553478	3	553327	6	553724	3	553354	6
150mm	553715	3	553479	3	553328	6	553725	3	553355	6

*** Items are only available fully threaded.**

HOW TO DETERMINE AMOUNT OF THREADS

For cap screws up to 125mm in length: amount of threads equals twice the diameter plus 6mm.

For cap screws over 125mm in length: amount of threads equals twice the diameter plus 12mm.

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METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD

	HEX NUT CLASS 8 DIN 934		FLAT WASHER CLASS 8 DIN 125		LOCK WASHER CLASS 8.8 & 10.9* DIN 127	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
4mm	**553291**	200	**532009**	200	**532018**	200
5mm	**553292**	200	**532010**	200	**532019**	200
6mm	**553293**	200	**532011**	200	**532020**	200
7mm	**553359**	200	**532012**	200	**532021**	200
8mm	**553295**	200	**532013**	200	**532022**	200
10mm	**553296**	100	**532014**	200	**532023**	200
12mm	**553297**	50	**532015**	200	**532024**	200
14mm	**553298**	25	**532016**	200	**532025**	200
16mm	**553360**	50	**553376**	100	**553379**	100
18mm	**553361**	25	**553377**	100	**553380**	100
20mm	**553362**	25	**553378**	100	**553381**	100

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

*** Compatible with 8.8 and 10.9 fastening systems according to IFI standards.**

CLASS 8.8 FINE THREAD

	DIA. 8mm PITCH 1.00		DIA. 10mm PITCH 1.00		DIA. 10mm PITCH 1.25		DIA. 12mm PITCH 1.25		DIA. 12mm PITCH 1.50		DIA. 14mm PITCH 1.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
16mm	**553821**	50	**553827**	25	**553834**	25	**---**	-	**---**	-	**---**	-
20mm	**553822**	50	**553828**	25	**553835**	25	**554003**	25	**553883**	25	**---**	-
25mm	**553823**	50	**553829**	25	**553836**	25	**553841**	25	**553846**	25	**553888**	10
30mm	**553824**	25	**553830**	25	**553837**	25	**553842**	25	**553847**	25	**553889**	10
35mm	**553825**	25	**553831**	25	**553838**	25	**553843**	25	**553848**	25	**553851**	12
40mm	**553826**	25	**553832**	25	**553839**	25	**553844**	12	**553849**	12	**553852**	12
45mm	**553898**	25	**554001**	25	**554002**	25	**554004**	10	**553884**	10	**553890**	10
50mm	**553854**	25	**553833**	25	**553840**	25	**553845**	12	**553850**	12	**553853**	12
55mm	**---**	-	**---**	-	**---**	-	**554005**	10	**553885**	10	**553891**	10
60mm	**553855**	12	**553858**	12	**553862**	12	**553866**	12	**553870**	12	**553892**	5
65mm	**---**	-	**---**	-	**---**	-	**554006**	10	**553886**	10	**553893**	5
70mm	**553856**	12	**553859**	12	**553863**	12	**553867**	12	**553880**	12	**553894**	5
75mm	**---**	-	**---**	-	**---**	-	**554007**	10	**553887**	10	**553895**	5
80mm	**553857**	12	**553860**	12	**553864**	12	**553868**	6	**553881**	6	**553896**	5
100mm	**553899**	10	**553861**	12	**553865**	12	**553869**	6	**553882**	5	**553897**	5

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8.8

- **DIN 960 & 961.**
- **Comparable to Grade 5 strength in Standard Hardware.**

	HEX NUT DIN 934	
SIZE-PITCH	PART NUMBER	QTY
8mm x 1.00	**553871**	200
10mm x 1.00	**553872**	100
10mm x 1.25	**553873**	100
12mm x 1.25	**553876**	50
12mm x 1.50	**553874**	50
14mm x 1.50	**553875**	25

	FLAT WASHER DIN 125		LOCK WASHER DIN 127	
SIZE	PART NUMBER	QTY	PART NUMBER	QTY
8mm	**532013**	200	**532022**	200
10mm	**532014**	200	**532023**	200
12mm	**532015**	200	**532024**	200
14mm	**532016**	200	**532025**	200

"SMALL HEAD" (JIS) JAPANESE METRIC CAP SCREWS, NUTS

Fits Japanese cars, trucks and motorcycles.

	DIA. 8mm PITCH 1.25 WRENCH: 12mm		DIA. 10mm PITCH 1.25 WRENCH: 14mm		DIA. 12mm PITCH 1.25 WRENCH: 17mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
12mm	**553405**	50	**---**	-	**---**	-
16mm	**553406**	50	**---**	-	**---**	-
20mm	**553408**	50	**553417**	25	**553424**	25
25mm	**553409**	50	**553418**	25	**553425**	25
30mm	**553410**	50	**553419**	25	**553426**	25
35mm	**553411**	50	**553420**	25	**553443**	10
40mm	**553412**	50	**553421**	25	**553427**	25
45mm	**553413**	50	**553422**	25	**---**	-
50mm	**553414**	50	**553423**	25	**553428**	25
55mm	**553415**	50	**553436**	25	**---**	-
60mm	**553416**	50	**553437**	25	**553444**	10
70mm	**553429**	25	**553438**	10	**553445**	10
80mm	**553430**	25	**553439**	10	**553446**	10
90mm	**553431**	25	**553440**	10	**553447**	10
100mm	**553432**	25	**553441**	10	**553448**	10

	HEX NUT		FLAT WASHER		LOCK WASHER	
SIZE	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
8mm	**553402**	100	**532013**	200	**532022**	200
10mm	**553403**	50	**532014**	200	**532023**	200
12mm	**553404**	50	**532015**	200	**532024**	200

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8.8

- **Class 8.8.**
- **Comparable to Grade 5 strength in Standard Hardware.**

Size: 8mm through 12mm diameters COARSE & FINE

Part No. 553400L • 396 pieces • 23 items • 12017 steel tray

553402	**553405**	**553409**	**553412**	**553415**	**553419**	**553422**	**553426**
553403	**553406**	**553410**	**553413**	**553417**	**553420**	**553424**	**553427**
553404	**553408**	**553411**	**553414**	**553418**	**553421**	**553425**	

1/2 QUANTITY AVAILABLE ORDER NO. 553400M
Numbers in assortment

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METRIC NUTS

HEX JAM NUTS CLASS 4 - DIN 936

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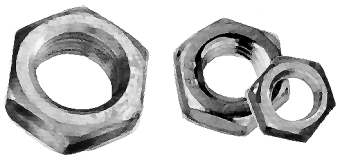

Part No. 630104
309 pieces • 12 items • 12038 plastic tray

630255	630259	630262	630268
630256	630260	630266	630269
630257	630261	630267	630270

Numbers in assortment

SIZE-PITCH	PART NUMBER	THREAD TYPE	WIDTH A/F	HEIGHT	QTY
4mm-.70	**630255**	coarse	7mm	2.20mm	100
5mm-.80	**630256**	coarse	8mm	2.70mm	100
6mm-1.00	**630257**	coarse	10mm	3.20mm	100
7mm-1.00	**630258**	coarse	11mm	3.50mm	50
8mm-1.00	**630266**	fine	13mm	4.00mm	50
8mm-1.25	**630259**	coarse	13mm	4.00mm	50
10mm-1.00	**630267**	fine	16mm	5.00mm	25
10mm-1.50	**630260**	coarse	16mm	5.00mm	25
12mm-1.25	**630268**	fine	18mm	6.00mm	25
12mm-1.50	**630269**	fine	18mm	6.00mm	25
12mm-1.75	**630261**	coarse	18mm	6.00mm	25
14mm-1.50	**630270**	fine	21mm	7.00mm	10
14mm-2.00	**630262**	coarse	21mm	7.00mm	10
16mm-1.50	**630271**	fine	24mm	8.00mm	10
16mm-2.00	**630263**	coarse	24mm	8.00mm	10
18mm-1.50	**630272**	fine	27mm	9.00mm	10
18mm-2.50	**630264**	coarse	27mm	9.00mm	10
20mm-1.50	**630273**	fine	30mm	10.00mm	10
20mm-2.50	**630265**	coarse	30mm	10.00mm	10

METRIC FINISHED HEX NUTS CLASS 8 - DIN 934

Protected by **LUSTERPLATE™** against rust & corrosion

Part No. 553390
260 pieces • 12 items • 12038 plastic tray

553291	553295	553871	553874
553292	553296	553872	553875
553293	553297	553873	553876

Numbers in assortment

SIZE-PITCH	PART NUMBER	THREAD TYPE	WIDTH A/F	HEIGHT	QTY
3mm-.50	**553290**	coarse	6mm	2.8mm	200
4mm-.70	**553291**	coarse	7mm	3.2mm	200
5mm-.80	**553292**	coarse	8mm	4mm	200
6mm-1.00	**553293**	coarse	10mm	5mm	200
7mm-1.00	**553359**	coarse	11mm	5.5mm	200
8mm-1.00	**553871**	fine	13mm	6.5mm	200
8mm-1.25	**553295**	coarse	13mm	6.5mm	200
10mm-1.00	**553872**	fine	16mm	8mm	100
10mm-1.25	**553873**	fine	16mm	8mm	100
10mm-1.50	**553296**	coarse	16mm	8mm	100
12mm-1.25	**553876**	fine	18mm	10mm	50
12mm-1.50	**553874**	fine	18mm	10mm	50
12mm-1.75	**553297**	coarse	18mm	10mm	50
14mm-1.50	**553875**	fine	21mm	11mm	25
14mm-2.00	**553298**	coarse	21mm	11mm	25
16mm-2.00	**553360**	coarse	24mm	26.2mm	50
18mm-2.50	**553361**	coarse	27mm	29.5mm	25
20mm-2.50	**553362**	coarse	30mm	33mm	25

CLASS 10.9 METRIC FINISHED HEX NUTS

- **Class 10 - Comparable to Grade 8**
- **For use with Class 10.9 cap screws and Class 10 washers.**
- **DIN 934/10.**

COARSE THREAD

SIZE-PITCH	PART NUMBER	QTY
6mm-1.00	**630170**	100
8mm-1.25	**630171**	100
10mm-1.50	**630172**	100
12mm-1.75	**630173**	50
14mm-2.00	**630174**	25
16mm-2.00	**630175**	25
20mm-2.50	**630176**	10
24mm-3.00	**630177**	10

FINE THREAD

SIZE-PITCH	PART NUMBER	QTY
8mm-1.00	**630640**	100
10mm-1.00	**630641**	100
10mm-1.25	**630642**	100
12mm-1.25	**630643**	50
12mm-1.50	**630644**	50
14mm-1.50	**630645**	25
16mm-1.50	**630646**	25
20mm-1.50	**630647**	10

METRIC PREVAILING TORQUE LOCK NUTS

- **Class 10 - Comparable to Grade 8**
- **Withstands severe vibration and shock in critical areas.**
- **For use with Class 10.9 cap screws.**
- **Designed for high stress, high temperature applications.**
- **DIN 980V/10.**
- **Coarse thread.**

Part No. 630100
42 pieces • 6 items • 12032 plastic tray

630200	630201	630202	630203	630204	630205

Numbers in assortment

SIZE-PITCH	PART NUMBER	QTY
6mm-1.00	**630200**	25
8mm-1.25	**630201**	25
10mm-1.50	**630202**	12
12mm-1.75	**630203**	12
14mm-2.00	**630204**	6
16mm-2.00	**630205**	6
20mm-2.50	**630206**	6
24mm-3.00	**630207**	6

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METRIC WASHERS

METRIC WASHERS

- Washers for use with both Class 8.8 and 10.9 hardware.

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	DIN 125 CLASS 8 FLAT		DIN 125/H CLASS 10 FLAT		DIN 127 CLASS 8 SPLIT LOCK		DIN 7980 CLASS 8 HI-COLLAR LOCK		DIN 137 CLASS 8 SPRING LOCK	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3mm	532008	200	---	-	532017	200	532000	100	532306	100
4mm	532009	200	---	-	532018	200	532001	200	532026	200
5mm	532010	200	---	-	532019	200	532002	200	532027	200
6mm	532011	200	630180	100	532020	200	532003	200	532028	200
7mm	532012	200	---	-	532021	200	---	-	---	-
8mm	532013	200	630181	100	532022	200	532004	200	532030	200
10mm	532014	200	630182	100	532023	200	532005	200	532031	200
12mm	532015	200	630183	50	532024	200	532006	200	532032	200
14mm	532016	200	630184	25	532025	200	532007	100	532033	200
16mm	553376	100	630185	25	553379	100	---	-	532307	50
18mm	553377	100	630188	50	553380	100	---	-	532308	50
20mm	553378	100	630186	10	553381	100	---	-	532309	50
24mm	---	-	630187	10	553382	50	---	-	532310	50

CLASS 8 - DIN 125 (FLAT WASHERS)
Sizes: 3mm through 10mm
Part No. 553392
375 pieces • 6 items • 12028 plastic tray

532008	532010	532013
532009	532011	532014

Numbers in assortment

CLASS 8 - DIN 127 (SPLIT LOCK WASHERS)
Sizes: 3mm through 10mm
Part No. 553393
375 pieces • 6 items • 12028 plastic tray

532017	532019	532022
532018	532020	532023

Numbers in assortment

***NOTE: DIN 127 lock washers are compatible with both class 8.8 and 10.9 metric cap screws and nuts according to IFI (International Fastener Institute) standards.**

Class 10 metric flat washers, DIN 127/H, have a special hardening that creates a proper load bearing surface for hardened cap screws. Compatible with class 10.9 metric cap screws.

METRIC TOOTHED LOCK WASHERS

	INTERNAL DIN 6797J		EXTERNAL DIN 6797A	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY
2mm	533805	100	533825	100
3mm	533806	100	533826	100
4mm	533807	100	533827	100
5mm	533808	100	533828	100
6mm	533809	100	533829	100
7mm	533810	50	533830	50
8mm	533811	50	533831	50
10mm	533812	50	533832	50
12mm	533813	50	533833	50
14mm	533814	25	533834	25
16mm	533815	25	533835	25
18mm	533816	25	533836	25
20mm	533817	25	533837	25
22mm	533818	10	533838	10
24mm	533819	10	533839	10

- DIN 6797.
- High carbon spring steel.
- Vibration resistant.
- Teeth grip surfaces to prevent loosening.
- Internal tooth and external tooth.

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INTERNAL

EXTERNAL

INTERNAL TOOTHED
Part No. 533800
450 pieces • 6 items • 12047 plastic tray

553806	553809	553812
553807	553811	553813

Numbers in assortment

EXTERNAL TOOTHED
Part No. 533801
450 pieces • 6 items • 12047 plastic tray

553826	553829	553832
553827	553831	553833

Numbers in assortment

FENDER WASHERS

BOLT SIZE	PART NUMBER	QTY	I.D. MM	O.D. MM	THICKNESS MM
3mm	532340	100	3.2	9	.80
4mm	532341	100	4.3	12	1
4mm	532325	100	4.3	20	1.25
5mm	532342	50	5.3	15	1.6
6mm	532343	50	6.4	18	1.6
6mm	532326	100	6.6	15	1.6
6mm	532327	50	6.4	20	1.25
6mm	532328	50	6.6	25	1.75
6mm	532329	50	6.4	30	1.25
8mm	532330	50	8.4	20	2
8mm	532331	50	8.4	24	2
8mm	532344	25	8.4	25	2
8mm*	532332	50	8.4	30	2
10mm	532345	25	10.5	30	2.5
10mm	532333	25	10.5	40	1.25
12mm	532334	25	12	30	3
12mm	532346	25	13	40	3
16mm	532347	10	17	50	3
20mm	532348	10	21	60	4

***Yellow Zinc Plated**

- DIN 9021.
- Oversized O.D. approx. 3 times bolt diameter.
- Class 8.8.
- For applications that require a large bearing surface.

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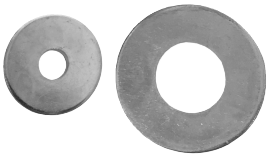

Part No. 501820
295 pieces • 16 items • 12050 steel tray

532325	532329	532333	532342
532326	532330	532334	532343
532327	532331	532340	532344
532328	532332	532341	532345

Numbers in assortment

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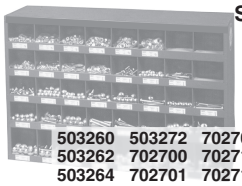
CARRIAGE BOLTS

GRADE 5 CARRIAGE BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **120,000 PSI minimum tensile strength.**
- **USS Coarse threads.**
- **Designed for high stress applications.**

LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
3/4	702700	50	702706	50	---	-	---	-	---	-	---	-	---	-
1	702701	50	702707	50	702712	25	---	-	702730	25	---	-	---	-
1-1/4	702702	50	702708	50	702713	25	702722	25	---	-	---	-	---	-
1-1/2	702703	50	702709	25	702714	25	702723	25	702731	25	---	-	---	-
1-3/4	---	-	---	-	702715	25	702724	25	---	-	---	-	---	-
2	702704	25	702710	25	702716	25	702725	25	702732	10	702738	10	---	-
2-1/4	---	-	---	-	702717	25	---	-	---	-	---	-	---	-
2-1/2	702705	25	702711	25	702718	25	702726	10	702733	10	702739	10	---	-
3	---	-	---	-	702719	25	702727	10	702734	10	702740	10	702745	10
3-1/2	---	-	---	-	702720	10	702728	10	---	-	702741	5	702746	5
4	---	-	---	-	702721	10	702729	10	702735	10	702742	5	702747	5
4-1/2	---	-	---	-	---	-	---	-	702736	10	---	-	702748	5
5	---	-	---	-	---	-	---	-	702737	10	702743	5	702749	5
6	---	-	---	-	---	-	---	-	---	-	702744	5	702750	5



Sizes: 1/4-20 x 3/4" through 5/8-11 x 4"
USS (COARSE) Includes hex nuts
Part No. 501552
560 pieces • 37 items
12021 steel bin cabinet

503260	503272	702709	702714	702721	702728	702734	702741
503262	702700	702710	702716	702723	702729	702735	702742
503264	702701	702711	702718	702725	702731	702738	
503266	702703	702712	702719	702726	702732	702739	
503268	702707	702713	702720	702727	702733	702740	

Numbers in assortment

Sizes: 1/4-20 x 3/4" through 1/2-13 x 3"
Part No. 501347
213 pieces • 16 items
12050 steel tray

702700	702709	702716	702730
702701	702710	702722	702731
702703	702712	702723	702732
702707	702714	702725	702734

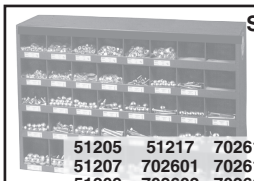
Numbers in assortment

GRADE 2 CARRIAGE BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Pole line construction.**
- **Billboards and signs.**
- **USS Coarse threads.**
- **Shelving and bracing.**
- **Wooden furniture.**
- **Hex nuts not included.**
- **Trailer decking.**
- **Much more.**

LENGTH	DIA. 3/16-24 (#10) PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY
1/2	702681	50	---	-	---	-	---	-	---	-	---	-	---	-
5/8	702682	50	---	-	---	-	---	-	---	-	---	-	---	-
3/4	702683	50	702601	50	702609	50	702659	10	---	-	---	-	---	-
1	702684	50	702602	50	702610	50	702658	10	---	-	---	-	---	-
1-1/4	702685	50	---	-	---	-	---	-	---	-	---	-	---	-
1-1/2	702686	50	702603	50	702611	50	702619	10	702629	10	702639	10	---	-
1-3/4	702687	50	---	-	---	-	---	-	---	-	---	-	---	-
2	702688	50	702604	50	702612	50	702620	10	702630	10	702640	10	702649	10
2-1/4	702689	50	---	-	---	-	---	-	---	-	---	-	---	-
2-1/2	702690	50	702605	50	702613	50	702621	10	702631	10	702641	10	702650	10
3	702691	50	702606	25	702614	25	702622	10	702632	10	702642	10	702651	10
3-1/2	---	-	702607	25	702615	25	702623	10	702633	10	702643	10	---	-
4	---	-	702608	25	702616	25	702624	10	702634	10	702644	10	702653	10
4-1/2	---	-	702660	25	702617	25	702625	10	702635	10	702645	10	---	-
5	---	-	702661	25	702618	25	702626	10	702636	10	702646	10	702655	10
5-1/2	---	-	702662	25	702667	25	702627	10	702637	10	702647	10	---	-
6	---	-	702663	25	702668	25	702628	10	702638	10	702648	10	702657	10
6-1/2	---	-	702664	25	702669	10	702672	10	---	-	702675	10	702678	5
7	---	-	702665	25	702670	10	702673	10	---	-	702676	10	702679	5
8	---	-	702666	25	702671	10	702674	10	---	-	702677	10	702680	5



Sizes: 1/4-20 x 3/4" through 5/8-11 x 4"
Includes hex nuts
Part No. 501553
530 pieces • 36 items
12021 steel bin cabinet

51205	51217	702611	702621	702630	702639	702644	702658
51207	702601	702612	702622	702631	702640	702649	
51209	702602	702613	702623	702632	702641	702650	
51211	702603	702619	702624	702633	702642	702651	
51213	702610	702620	702629	702634	702643	702653	

Numbers in assortment

Sizes: 1/4-20 x 1" through 3/8-16 x 3-1/2"
Includes hex nuts
Part No. 501328
115 pieces • 10 items
12061 steel tray

702602	702612	702620	702658
702604	702614	702622	
702610	702615	702623	

Numbers in assortment

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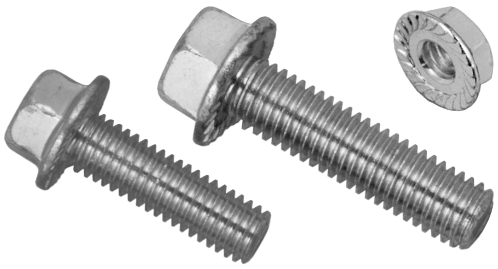
FLANGE BOLTS

HEX SERRATED FLANGE LOCKING BOLT

- 120,000 PSI tensile strength.
- Serrations under the head grip on the bearing surface when tightened.
- Heat treated.
- USS Coarse threads.
- Case hardened to: surface: R15N-76/86 core: RC25/34.
- Exceeds Grade 5 specifications.

Protected by **LUSTERPLATE™** against rust & corrosion

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 7/16-14		DIA. 1/2-13	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/8	712201	100	---	-	---	-	---	-	---	-
1/2	712202	100	712215	50	712228	25	---	-	---	-
5/8	712203	100	712216	50	712229	25	---	-	---	-
3/4	712204	100	712217	50	712230	25	712241	25	712250	10
7/8	712205	100	712218	50	712231	25	712242	25	712251	10
1	712206	100	712219	50	712232	25	712243	25	712252	10
1-1/4	712207	50	712220	50	712233	25	712244	25	712253	10
1-1/2	712208	50	712221	50	712234	25	712245	25	712254	10
1-3/4	712209	50	712222	50	712235	25	712246	25	712255	10
2	712210	50	712223	25	712236	25	712247	25	712256	10
2-1/4	712211	25	712224	25	712237	25	712248	25	712257	10
2-1/2	712212	25	712225	25	712238	25	712249	25	712258	10
2-3/4	712213	25	712226	25	712239	25	---	-	712259	10
3	712214	25	712227	25	712240	25	---	-	712260	10



SERRATED FLANGE NUTS

PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
50620	50	50621	50	50622	50	50616	25	50617	25

GRADE 8 HEX FLANGE FASTENING SYSTEM

- A high strength locking system designed to prevent failure due to vibration.
- Used in trucks, as well as industrial equipment, wherever excessive vibration is a problem.
- USS Coarse and SAE Fine thread.
- Phosphate & Oil finish.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

	DIA. 3/8-16 USS		DIA. 1/2-13 USS		DIA. 1/2-20 SAE		DIA. 5/8-11 USS		DIA. 5/18-18 SAE		DIA. 3/4-10 USS		DIA. 3/4-16 SAE	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	702240	25	---	-	---	-	---	-	---	-	---	-	---	-
1-1/4	702239	25	702231	25	712101	25	---	-	---	-	---	-	---	-
1-1/2	702241	25	702250	25	712102	25	702254	25	712111	25	---	-	---	-
1-3/4	702242	25	702251	25	712103	25	702255	25	712112	25	702232	10	712121	10
2	702243	25	702252	25	712104	25	702256	25	712113	25	702233	10	712122	10
2-1/4	---	-	---	-	---	-	702264	25	712114	25	702234	10	712123	10
2-1/2	702244	25	702253	25	712105	25	702257	25	712115	25	702235	10	712124	10
2-3/4	---	-	---	-	---	-	702265	25	---	-	---	-	---	-
3	702245	25	702259	25	712106	25	702258	25	712116	25	702236	10	712125	10
3-1/2	702246	25	702260	25	712107	25	702266	10	712117	10	702237	10	712126	10
4	702247	10	702261	10	712108	10	702267	10	712118	10	702238	10	712127	10
4-1/2	702248	10	702262	10	712109	10	702268	10	712119	10	---	-	---	-
5	702249	10	702263	10	712110	10	702269	10	712120	10	---	-	---	-

GRADE "G" FLANGE LOCK NUTS

	DIA. 3/8-16 USS		DIA. 1/2-13 USS		DIA. 1/2-20 SAE		DIA. 5/8-11 USS		DIA. 5/18-18 SAE		DIA. 3/4-10 USS		DIA. 3/4-16 SAE	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
	703174	50	703175	50	703171	50	703176	50	703172	50	703177	10	703173	10

Designed specifically for use with Hex Flange Nuts.

Sizes: 1/2" x 1-1/2" through 5/8" x 3"
SAE (FINE)
Part No. 501660
80 pieces • 10 items
12061 steel tray

703171	712102	712106	712111	712115
703172	712104	712107	712113	712116

Numbers in assortment

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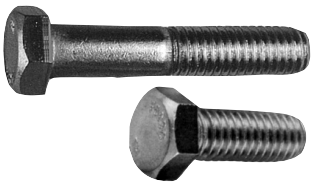
STAINLESS STEEL

18-8 STAINLESS HEX HEAD CAP SCREWS

- USS coarse and SAE fine threads.
- Meets or exceeds ASTM F593 Alloy Group 1.
- 80,000 PSI minimum tensile strength.
- Good resistance to heat, cold and corrosion.

	DIA. 1/4-20		DIA. 1/4-28		DIA. 5/16-18		DIA. 5/16-24		DIA. 3/8-16		DIA. 3/8-24		DIA. 7/16-14		DIA. 7/16-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	702301	50	703901	50	702311	50	703913	50	703312	50	703924	50	---	-	---	-
5/8	703300	50	703902	50	703306	50	703914	50	703313	50	703925	50	---	-	---	-
3/4	702302	50	703903	50	702312	50	703915	50	702321	50	703926	50	702342	50	703936	50
1	702303	50	703904	50	702313	50	703916	50	702322	50	703927	50	702343	50	703937	50
1-1/4	702304	50	703905	50	702314	50	703917	50	702323	50	703928	50	702344	50	703938	50
1-1/2	702305	50	703906	50	702315	50	703918	50	702324	50	703929	50	702345	50	703939	50
1-3/4	702306	50	703907	50	702316	50	703919	50	702325	50	703930	50	702346	50	703940	50
2	702307	50	703908	50	702317	50	703920	50	702326	50	703931	50	702347	50	703941	50
2-1/4	702308	50	703909	50	702318	50	703921	50	703314	50	703932	50	702348	50	703942	50
2-1/2	702309	50	703910	50	702319	50	703922	50	702327	50	703933	50	702349	50	703943	50
2-3/4	703301	50	703911	50	703307	50	---	-	703315	50	703934	50	---	-	---	-
3	702310	50	703912	50	702320	50	703923	50	702328	50	703935	50	702351	50	703944	50
3-1/2	702335	25	---	-	702337	25	---	-	702339	25	---	-	702352	50	---	-
4	702336	25	---	-	702338	25	---	-	702340	25	---	-	702353	50	---	-
4-1/2	703302	10	---	-	703308	10	---	-	703316	10	---	-	---	-	---	-
5	703303	10	---	-	703309	10	---	-	703317	10	---	-	---	-	---	-
5-1/2	703304	10	---	-	703310	10	---	-	703318	10	---	-	---	-	---	-
6	703305	10	---	-	703311	10	---	-	703319	10	---	-	---	-	---	-

	DIA. 1/4-20		DIA. 1/4-28		DIA. 5/16-18		DIA. 5/16-24		DIA. 3/8-16		DIA. 3/8-24		DIA. 7/16-14		DIA. 7/16-20	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
Hex Nut	703101	50	703155	50	703102	50	703156	50	703103	50	703157	50	703105	50	703158	50
Flat Washer	704125	100	---	-	704126	100	---	-	704127	100	---	-	704129	100	---	-
Lock Washer	704105	100	---	-	704106	100	---	-	704107	100	---	-	704109	100	---	-



Sizes: 1/4" x 1" through 7/16" x 2"

USS (COARSE) Includes hex nuts

Part No. 501353

450 pieces • 22 items • 12017 steel tray

702301 702303 702307 702312 702315 702321 702324 702342 702345 703101 703103
702302 702305 702311 702313 702317 702322 702326 702343 702347 703102 703105

Numbers in assortment

18-8 STAINLESS HEX HEAD CAP SCREWS

- USS coarse and SAE fine threads.
- Meets or exceeds ASTM F593 Alloy Group 1.
- 80,000 PSI minimum tensile strength.
- Good resistance to heat, cold and corrosion.

	DIA. 1/2-13		DIA. 1/2-20		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	---	-	---	-	---	-	---	-	---	-	---	-
5/8	---	-	---	-	---	-	---	-	---	-	---	-
3/4	---	-	---	-	---	-	---	-	---	-	---	-
1	702329	25	703945	25	702354	25	702368	10	---	-	---	-
1-1/4	703320	25	703946	25	702355	25	702369	10	---	-	---	-
1-1/2	702330	25	703947	25	702356	25	702370	10	702382	10	---	-
1-3/4	703321	25	703948	25	702357	25	702371	10	702383	10	---	-
2	702331	25	703949	25	702358	25	702372	10	702384	10	702394	5
2-1/4	703322	25	703950	25	702359	10	702373	10	702385	10	702395	5
2-1/2	702332	25	703951	25	702360	10	702374	10	702386	10	702396	5
2-3/4	703323	25	703952	25	703328	10	703329	10	---	-	---	-
3	702333	25	703953	25	702361	10	702375	10	702387	10	702397	5
3-1/2	702334	25	---	-	702362	10	702376	10	702388	10	702398	1
4	702341	25	---	-	702363	10	702377	10	702389	5	702399	1
4-1/2	703324	10	---	-	702364	10	702378	10	702390	5	703110	1
5	703325	10	---	-	702365	10	702379	10	702391	5	703111	1
5-1/2	703326	10	---	-	702366	10	702380	10	702392	5	703112	1
6	703327	10	---	-	702367	10	702381	10	702393	5	703113	1

	DIA. 1/2-13		DIA. 1/2-20		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
Hex Nut	703104	50	703159	50	703106	50	703107	50	703108	50	703109	50
Flat Washer	704128	100	---	-	704130	100	704131	100	704132	100	704133	100
Lock Washer	704108	100	---	-	704110	100	704111	100	704112	100	704113	100

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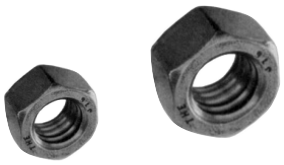
STAINLESS STEEL

316 STAINLESS STEEL HEX FINISHED NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
1/4	**704205**	7/16	7/32	50
5/16	**704206**	1/2	17/64	50
3/8	**704207**	9/16	21/64	25
1/2	**704208**	3/4	7/16	25
5/8	**704209**	15/16	35/64	10
3/4	**704210**	1-1/8	41/64	10
7/8	**704211**	1-5/16	3/4	5
1	**704212**	1-1/2	55/64	5

- **USS coarse threads.**



Sizes: 1/4" through 3/4"
USS (COARSE)
Part No. 704200
139 pieces • 6 items
12047 plastic tray

704205 704207 704209
704206 704208 704210
Numbers in assortment

18-8 STAINLESS STEEL WING NUTS

SIZE	PART NUMBER	O/A WIDTH	O/A HEIGHT	QTY
6-32	**703146**	11/16	11/32	25
8-32	**703147**	13/16	13/32	25
10-24†	**703148**	13/16	13/32	25
10-32*†	**703149**	13/16	13/32	25
1/4	**703150**	1-1/16	1/2	25
5/16	**703151**	1-3/16	19/32	25
3/8	**703152**	1-3/8	11/16	25
1/2	**703153**	1-7/8	15/16	25
5/8	**703154**	2-11/16	1-3/8	10

***SAE Fine Thread** **†3/16**

- **USS coarse threads.**

Sizes: No. 6-32 through 5/16"
USS (COARSE)
Part No. 705006
85 pieces • 6 items
12032 plastic tray

703146 703148 703150
703147 703149 703151
Numbers in assortment

18-8 STAINLESS STEEL CAP/ACORN NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
4-40	**703114**	1/4	1/4	25
6-32	**703115**	5/16	19/64	25
8-32	**703116**	5/16	19/64	25
10-24†	**703117**	3/8	25/64	25
10-32*†	**703118**	3/8	25/64	25
1/4	**703119**	7/16	15/32	25

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
5/16	**703120**	9/16	17/32	25
3/8	**703121**	5/8	5/8	25
1/2	**703122**	3/4	13/16	25
5/8	**703123**	1	63/64	10
3/4	**703124**	1-1/16	1-1/16	10
--	**---**	--	--	-

***SAE Fine Thread** **†3/16**

- **USS coarse threads.**

18-8 STAINLESS STEEL TOOTHED LOCK WASHERS

– INTERNAL –

SIZE	PART NUMBER	QTY
4	**703180**	250
6	**703181**	250
8	**703182**	250
10	**703183**	250

SIZE	PART NUMBER	QTY
1/4	**703184**	250
5/16	**703185**	100
3/8	**703186**	100
1/2	**703187**	50

– EXTERNAL –

SIZE	PART NUMBER	QTY
4	**703188**	250
6	**703189**	250
8	**703190**	250
10	**703191**	250

SIZE	PART NUMBER	QTY
1/4	**703192**	250
5/16	**703193**	100
3/8	**703194**	100
1/2	**703195**	50

Sizes: No. 8 through 1/2"
Part No. 705007
300 pieces • 6 items
12032 plastic tray

703182 703184 703186
703183 703185 703187
Numbers in assortment

Sizes: No. 8 through 1/2"
Part No. 705008
300 pieces • 6 items
12032 plastic tray

703190 703192 703194
703191 703193 703195
Numbers in assortment

18-8 STAINLESS STEEL FLAT WASHERS

SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
4	**704121**	.125	5/16	1/32	100
6	**704122**	.149	3/8	1/32	100
8	**704123**	.174	3/8	1/32	100
10	**704124**	.203	7/16	1/16	100
12	**704134**	.250	9/16	.045	100
1/4	**704125**	.281	5/8	.050	100
5/16	**704126**	.337	3/4	.050	100

SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
3/8	**704127**	25/64	7/8	.050	100
7/16	**704129**	1/2	1-1/8	1/16	100
1/2	**704128**	9/16	1-1/4	5/64	100
5/8	**704130**	11/16	1-1/2	5/64	50
3/4	**704131**	13/16	1-3/4	7/64	50
7/8	**704132**	15/16	2	7/64	50
1	**704133**	1-1/16	2	1/8	50

Sizes: No. 6 through 1"
Part No. 501355
1370 pieces • 12 items
12061 steel tray

704122 704125 704128 704131
704123 704126 704129 704132
704124 704127 704130 704133
Numbers in assortment

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STAINLESS STEEL

316 STAINLESS STEEL FLAT WASHERS

Sizes: 1/4" through 3/4"
Part No. 704201
150 pieces • 6 items
12047 plastic tray

704215 704217 704219
704216 704218 704220

Numbers in assortment

SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
1/4	**704215**	.281	5/8	.050	50
5/16	**704216**	.337	3/4	.050	50
3/8	**704217**	25/64	7/8	.050	50
1/2	**704218**	9/16	1-1/4	5/64	25
5/8	**704219**	11/16	1-1/2	5/64	25
3/4	**704220**	13/16	1-3/4	7/64	10
7/8	**704221**	15/16	2	7/64	10
1	**704222**	1-1/16	2	1/8	10

18-8 STAINLESS STEEL COUNTERSUNK FINISHING WASHERS

Part No. 704100
200 pieces • 4 items
12037 plastic tray

704115 704116 704117 704118

Numbers in assortment

SIZE	PART NUMBER	QTY
6	**704115**	100
8	**704116**	100
10	**704117**	100
1/4	**704118**	100

18-8 STAINLESS STEEL SPLIT LOCK WASHERS

Sizes: No. 6 through 1"
Part No. 501354
1790 pieces • 12 items
12061 steel tray

704102 704105 704108 704111
704103 704106 704109 704112
704104 704107 704110 704113

Numbers in assortment

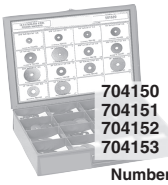
SIZE	PART NUMBER	QTY
4	**704101**	100
6	**704102**	100
8	**704103**	100
10	**704104**	100
12	**704114**	100
1/4	**704105**	100
5/16	**704106**	100

SIZE	PART NUMBER	QTY
3/8	**704107**	100
7/16	**704109**	100
1/2	**704108**	100
5/8	**704110**	50
3/4	**704111**	50
7/8	**704112**	50
1	**704113**	50

316 STAINLESS STEEL SPLIT LOCK WASHERS

SIZE	PART NUMBER	QTY
1/4	**704225**	50
5/16	**704226**	50
3/8	**704227**	25
1/2	**704228**	25
5/8	**704229**	10
3/4	**704230**	10
7/8	**704231**	5
1	**704232**	5

18-8 STAINLESS STEEL FENDER WASHERS



Part No. 501609
331 pieces • 14 items
12050 steel tray

704150 704154 704158 704162
704151 704155 704159 704163
704152 704156 704160
704153 704157 704161

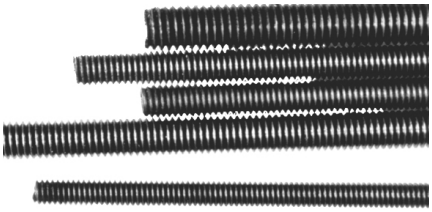
Numbers in assortment

- **Designed for applications requiring large bearing surfaces.**

BOLT SIZE	O.D.	TH.	PART NUMBER	QTY
3/16	3/4	.045	**704150**	50
3/16	1	.045	**704151**	50
1/4	1	.045	**704152**	50
1/4	1-1/4	.045	**704153**	50
1/4	1-1/2	.062	**704154**	50
1/4	2	.062	**704155**	25
5/16	1-1/4	.045	**704156**	50

BOLT SIZE	O.D.	TH.	PART NUMBER	QTY
5/16	1-1/2	.062	**704157**	50
5/16	2	.062	**704158**	25
3/8	1-1/4	.045	**704159**	50
3/8	1-1/2	.062	**704160**	25
3/8	2	.062	**704161**	25
1/2	1-1/2	.062	**704162**	25
1/2	2	.062	**704163**	25

18-8 STAINLESS STEEL THREADED RODS



- **USS coarse threads.**
- **3 foot lengths.**

Now available in 3 & 6 foot lengths

SIZE	3 FT. PART NUMBER	6 FT. PART NUMBER
6-32	**705126**	**---**
8-32	**705127**	**---**
10-24†	**705128**	**---**
10-32*†	**705129**	**---**
1/4-20	**705130**	**705040**
5/16-18	**705131**	**705041**

SIZE	3 FT. PART NUMBER	6 FT. PART NUMBER
3/8-16	**705132**	**705042**
1/2-13	**705133**	**705043**
5/8-11	**705134**	**705044**
3/4-10	**705135**	**705045**
7/8-9	**705136**	**705046**
1-8	**705137**	**705047**

***SAE Fine Thread** **†3/16**

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STAINLESS STEEL

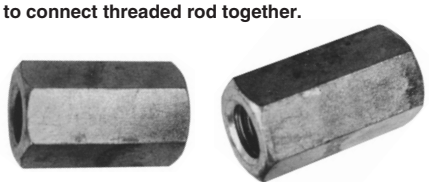
18-8 STAINLESS STEEL ROD COUPLING NUTS

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
6-32	**705725**	5/16	1/2	10
8-32	**705726**	5/16	1/2	10
10-24	**705727**	3/8	3/4	10
10-32*	**705728**	3/8	3/4	10
1/4-20	**705729**	3/8	7/8	10
5/16-18	**705730**	7/16	1	10

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
3/8-16	**705731**	1/2	1-1/8	10
1/2-13	**705732**	5/8	1-1/4	5
5/8-11	**705733**	7/8	1-3/4	5
3/4-10	**705734**	1	2	5
7/8-9	**705735**	1-1/4	2-1/2	2
1-8	**705736**	1-3/8	2-1/2	2

***SAE Fine Thread**

- **USS coarse threads*.**
- **Used to connect threaded rod together.**



HEX WASHER HEAD TEKS®

LENGTH	DIA. NO. 6 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 8 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 10 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 12 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 14 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY
3/8	**705350**	9/64	50	**705354**	11/64	50	**---**	--	-	**---**	--	-	**---**	--	-
1/2	**705351**	17/64	50	**705355**	1/4	50	**705360***	15/64	50	**---**	--	-	**---**	--	-
3/4	**705352**	25/64	50	**705356**	1/2	50	**705361**	13/32	50	**705365**	23/64	25	**705369**	19/64	25
1	**705353**	33/64	50	**705357**	3/4	50	**705362**	21/32	50	**705366**	5/16	25	**705370**	35/64	25
1-1/4	**---**	--	-	**705358**	1	50	**705363**	29/32	25	**705367**	53/64	25	**705371**	51/64	25
1-1/2	**---**	--	-	**705359**	1-1/4	50	**705364**	1-5/32	25	**705368**	1-5/64	25	**705372**	1-5/64	25
	1/4" Hex driver **Part No. 53510**			1/4" Hex driver **Part No. 53510**			5/16" Hex driver **Part No. 53511** *No. 2 drill point			5/16" Hex driver **Part No. 53511**			3/8" Hex driver **Part No. 53512**		

- **Drills and taps its own threads in materials up to 1/4" thick.**
- **Twist drill-like point.**
- **410 Stainless steel.**

Includes hex drivers
Part No. 501571
370 pieces • 26 items • 12017 steel tray

53510	**705350**	**705353**	**705356**	**705359**	**705362**	**705365**	**705368**	**705371**
53511	**705351**	**705354**	**705357**	**705360**	**705363**	**705366**	**705369**	**705372**
53512	**705352**	**705355**	**705358**	**705361**	**705364**	**705367**	**705370**	

Numbers in assortment

PAN PHILLIPS HEAD TEKS®

LENGTH	DIA. NO. 6 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 8 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 10 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY
3/8	**705375**	9/64	50	**705379**	9/64	50	**---**	--	-
1/2	**705376**	17/64	50	**705380**	1/4	50	**705385**	15/64	50
3/4	**705377**	25/64	50	**705381**	1/2	50	**705386**	13/32	50
1	**705378**	33/64	50	**705382**	3/4	50	**705387**	21/32	50
1-1/4	**---**	--	-	**705383**	1	50	**705388**	29/32	25
1-1/2	**---**	--	-	**705384**	1-1/4	50	**705389**	1-5/32	25
	#2 driver **Part No. 114317**			#2 driver **Part No. 114317**			#2 driver **Part No. 114317**		

Includes phillips power bits
Part No. 501572
241 pieces • 16 items
12050 steel tray

114317	**705378**	**705382**	**705386**
705375	**705379**	**705383**	**705387**
705376	**705380**	**705384**	**705388**
705377	**705381**	**705385**	**705389**

Numbers in assortment

Part No. 705303
120 pieces • 6 items
12028 plastic tray

705376	**705382**	**705387**
705380	**705384**	**705389**

Numbers in assortment

18-8 STAINLESS STEEL FLAT HEAD SLOTTED WOOD SCREWS

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	**705304**	100	**705307**	100	**705311**	-	**---**	-	**---**	-	**---**	-
3/4	**705305**	100	**705308**	100	**705312**	100	**705316**	100	**705320**	50	**---**	-
1	**705306**	100	**705309**	100	**705313**	100	**705317**	100	**705321**	50	**705324**	50
1-1/2	**---**	-	**705310**	100	**705314**	100	**705318**	100	**705322**	50	**705325**	50
2	**---**	-	**---**	-	**705315**	100	**705319**	50	**705323**	50	**705326**	50

Sizes: No. 4 x 1/2" through No. 14 x 2"
Part No. 501366
825 pieces • 23 items
12017 steel tray

705304	**705310**	**705316**	**705322**
705305	**705311**	**705317**	**705323**
705306	**705312**	**705318**	**705324**
705307	**705313**	**705319**	**705325**
705308	**705314**	**705320**	**705326**
705309	**705315**	**705321**	

Numbers in assortment

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SHEET METAL SCREWS

SLOTTED PAN (BINDING) HEAD SHEET METAL SCREWS

Protected by
LUSTERPLATE™
against rust & corrosion

- **Deep slotted head**
- **Extra sharp point**
- **Case hardened steel**
- **Clean sharp threads**

Sizes: 4 x 3/8" through 14 x 1-1/4"
Part No. 501014
735 pieces • 24 items
12017 steel tray

27101	27114	27123	27129	27139
27106	27115	27125	27134	27142
27107	27117	27126	27136	27144
27109	27119	27127	27137	27145
27111	27120	27128	27138	

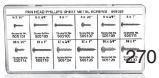
Numbers in assortment

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/4	27100	200	27105	200	---	-	---	-	---	-	---	-
3/8	27101	200	27106	200	27114	200	27122	200	27161	100	---	-
1/2	27102	200	27107	200	27115	200	27123	200	27132	200	27140	200
5/8	27103	200	27108	200	27116	200	27124	200	27133	200	27141	200
3/4	27104	200	27109	200	27117	200	27125	200	27134	200	27142	200
7/8	---	-	27110	200	27118	200	27126	200	27135	200	27143	200
1	---	-	27111	200	27119	200	27127	200	27136	200	27144	200
1-1/4	---	-	27112	100	27120	100	27128	100	27137	100	27145	100
1-1/2	---	-	27113	100	27121	100	27129	100	27138	100	27146	100
1-3/4	---	-	---	-	27149	50	27130	100	---	-	27147	100
2	---	-	---	-	27150	50	27131	100	27139	100	27148	100
2-1/2	---	-	---	-	27151	25	27153	25	27155	25	27157	25
3	---	-	---	-	27152	25	27154	25	27156	25	27158	25

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by
LUSTERPLATE™
against rust & corrosion

- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



Sizes: 6 x 1/2" through 14 x 1"
Part No. 505025
270 pieces • 12 items • 12030 plastic tray

505101	505105	505109	505114	505124	505129
505103	505107	505111	505118	505125	505130

Numbers in assortment

Sizes: 6 x 3/8" through 14 x 2"
Part No. 501004
540 pieces • 24 items
12017 steel tray

505100	505106	505112	505118	505124	505129
505101	505107	505114	505120	505125	505130
505103	505109	505115	505122	505127	505132
505105	505111	505116	505123	505128	505134

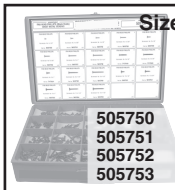
Numbers in assortment

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/4	505179	200	---	-	---	-	---	-	---	-
3/8	505100	200	505106	200	505182	200	---	-	---	-
1/2	505101	200	505107	200	505114	200	505123	100	505128	200
5/8	505102	100	505108	100	505115	100	505183	100	505195	100
3/4	505103	100	505109	100	505116	100	505124	100	505129	100
7/8	505104	100	505110	100	505117	100	---	-	---	-
1	505105	100	505111	100	505118	100	505125	100	505130	100
1-1/4	---	-	505112	100	505119	100	505126	100	505131	100
1-1/2	---	-	505113	100	505120	100	505127	100	505132	100
1-3/4	---	-	505180	50	505121	50	---	-	505133	50
2	---	-	505181	50	505122	50	505184	50	505134	50
2-1/2	---	-	505940	25	505942	25	505944	25	505946	25
3	---	-	505941	25	505943	25	505945	25	505947	25

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

- **Black oxide finish - glare preventive.**
- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



Sizes: 4 x 1/4" through 10 x 1-1/2"
Part No. 501737
525 pieces • 18 items
12071 steel tray

505750	505755	505759	505763	717520
505751	505756	505760	505764	717521
505752	505757	505761	505765	
505753	505758	505762	717519	

Numbers in assortment

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NAME	QTY
1/4	505750	50	---	-	---	-	---	-
3/8	505751	50	---	-	---	-	---	-
1/2	505752	50	505755	25	717519	25	505761	25
3/4	505753	25	505756	25	717520	25	505762	25
1	---	-	505757	25	717521	25	505763	25
1-1/4	---	-	505758	25	505759	25	505764	25
1-1/2	---	-	---	-	505760	25	505765	25

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SHEET METAL SCREWS

TRUSS HEAD SLOTTED* SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Deep slotted heads.
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.

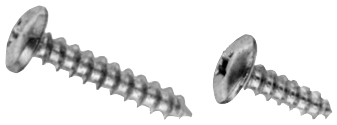
	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14 (1/4)	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
1/2	505136	50	505144	50	---	-	505162	25	505170	12
5/8	505137	50	---	-	505154	50	---	-	---	-
3/4	---	-	---	-	505155	50	505164	25	505172	12
7/8	---	-	505147	50	505156	50	---	-	---	-
1	505140	50	---	-	---	-	505166	25	505174	12
1-1/4	---	-	505149	50	---	-	505167	12	---	-
1-1/2	---	-	505150	25	505159	25	---	-	---	-
1-3/4	---	-	505151	25	---	-	---	-	---	-
2	---	-	505152	25	505161	25	---	-	---	-

*These items will be discontinued when stock is depleted.

TRUSS HEAD PHILLIPS SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.



	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
1/2	505201	50	505207	50	---	-	505225	25
5/8	---	-	---	-	505217	50	---	-
3/4	505203	50	505209	50	505218	50	505227	25
7/8	505204	50	---	-	---	-	---	-
1	505205	50	505211	50	505220	50	---	-
1-1/4	---	-	505212	25	---	-	---	-
1-1/2	---	-	505213	25	505222	25	---	-

HEX WASHER HEAD SLOTTED SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Deep slotted head.
- Clean sharp threads.
- Extra sharp point.
- Case hardened steel.

	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14 (1/4)	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
3/8	505800	100	505805	100	---	-	---	-	---	-
1/2	505801	100	505806	100	505811	100	505817	100	505822*	100
5/8	505802	100	505807	100	505812	100	---	-	---	-
3/4	505803	100	505808	100	505813	100	505818	100	505823	100
1	505804	100	505809	100	505814	100	505819	100	505824	100
1-1/4	---	-	505810	100	505815	100	505820	100	505825*	100
1-1/2	---	-	505855	50	505816	100	505821	100	505826	100
2	---	-	505856	50	505828	50	505829	25	505827	25

*No slot.

Sizes: 6 x 3/8" through 14 x 1-1/2"
Part No. 501501
545 pieces • 20 items • 12071 steel tray

505800	505804	505808	505811	505816	505819	505824
505801	505805	505809	505813	505817	505821	505826
505803	505806	505810	505814	505818	505823	

Numbers in assortment

Sizes: 6 x 1/2" through 14 x 1-1/2"
Part No. 505850
209 pieces • 12 items • 12030 plastic tray

505801	505806	505810	505814	505818	505823
505803	505808	505812	505816	505821	505826

Numbers in assortment

HEX HEAD WITH LOOSE WASHERS (UNSLOTTED) SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.

	DIA. NO. 12		DIA. NO.14 (1/4")		DIA. 5/16"	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
3/4	505831	50	505835	50	505839	50
1	---	-	505836	50	505840	50
1-1/2	---	-	505838	50	505842	50

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DRILL N' TAP SCREWS (TEKS®)

PAN HEAD PHILLIPS DRILL N' TAP SCREWS (TEKS®)

- Available zinc plated or black oxide.
- Drills and taps its own threads.
- Hardened steel point like a twist drill.
- High strength - heat treated steel.

	DIA. NO. 6 NO. 2 DRILL POINT					DIA. NO. 8 NO. 2 DRILL POINT					DIA. NO. 10 NO. 3 DRILL POINT					DIA. NO. 12 NO. 3 DRILL POINT		
LENGTH	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	GRIP MAX
3/8	**215130**	50	**505745**	25	11/64	---	-	---	-	--	---	-	---	-	--	---	-	-
1/2	**215101**	100	**505746**	25	17/64	**215102**	100	**505790**	25	1/4	**215105***	100	**505793**	25	15/64	---	-	-
5/8	**215134**	50	**505747**	25	3/8	**215135**	50	**505796**	25	3/8	**215137**	50	**505799**	25	9/32	---	-	-
3/4	**215131**	50	**505748**	25	5/8	**215103**	100	**505791**	25	1/2	**215106**	100	**505794**	25	13/32	**215201**	50	7/16
1	**215132**	50	**505749**	25	7/8	**215133**	50	**505792**	25	3/4	**215107**	50	**505795**	25	21/32	**215202**	50	11/16
1-1/4	---	-	---	-	--	**215136**	50	**505797**	25	1	**215108**	50	---	-	29/32	**215203**	50	15/16
1-1/2	---	-	---	-	--	**215104**	100	**505798**	25	1-1/4	**215109**	50	---	-	1-5/32	**215204**	50	1-1/8

*** No. 2 drill point**

ZINC
Includes Part No. 114317 phillips power bit
Part No. 501625*
1071 pieces • 18 items • 12071 steel tray

114317	**215104**	**215108**	**215132**	**215136**
215101	**215105**	**215109**	**215133**	**215137**
215102	**215106**	**215130**	**215134**	
215103	**215107**	**215131**	**215135**	

Numbers in assortment

BLACK OXIDE
Includes Part No. 114317 phillips power bit
Part No. 501626
591 pieces • 16 items • 12050 steel tray

114317	**505748**	**505792**	**505796**
505745	**505749**	**505793**	**505797**
505746	**505790**	**505794**	**505798**
505747	**505791**	**505795**	**505799**

Numbers in assortment

ZINC
Includes Part No. 114317 phillips power bit
Part No. 215100
120 pieces • 7 items
12028 plastic tray

114317	**215102**	**215104**	**215106**
215101	**215103**	**215105**	

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

BUGLE HEAD PHILLIPS DRILL N' TAP SCREWS (TEKS®)

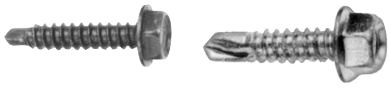
Protected by **BLACK OXIDE FINISH™** against rust & corrosion

	DIA. NO. 6		DIA. NO. 7		DIA. NO. 8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	**215110**	100	**215115**	100	---	-
1-1/8	**215111**	100	---	-	---	-
1-1/4	**215112**	100	**215116**	100	---	-
1-5/8	**215113**	100	**215117**	100	---	-
1-7/8	**215114**	100	**215118**	100	---	-
2-3/8	---	-	---	-	**215119**	50
2-5/8	---	-	---	-	**215120**	50
3	---	-	---	-	**215121**	50

HEX WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

Ideal to drill, tap, and fasten in one operation, plywood composition board and laminates to metal, and metal to metal.

- Drills and taps it's own threads in materials up to 1/4" thick.
- Hardened steel point - like a twist drill.
- High strength - heat treated steel.
- Available zinc plated or black oxide.
- Used in place of welding, adhesives, riveting and using nuts and bolts.



ZINC
Part No. 53501
150 pieces • 6 items • 12028 plastic tray

SCREWS 8 x 1/2"	**SCREWS 8 x 1"**	**SCREWS 8 x 1-1/2"**
8 x 3/4"	**8 x 1-1/4"**	**10 x 1/2"**

Numbers in assortment

ZINC
Part No. 53503
150 pieces • 8 items • 12030 plastic tray

SCREWS 10 x 3/4"	**SCREWS 10 x 1-1/4"**	**SCREWS 12 x 3/4"**	**SCREWS 12 x 1-1/4"**
10 x 1"	**10 x 1-1/2"**	**12 x 1"**	**12 x 1-1/2"**

Numbers in assortment

ZINC
Part No. 53504
151 pieces • 9 items • 12030 plastic tray

HEX DRIVERS 5/16"	**SCREWS 10 x 3/4" 10 x 1"**	**SCREWS 10 x 1-1/4" 10 x 1-1/2"**	**SCREWS 12 x 3/4" 12 x 1"**	**SCREWS 12 x 1-1/4" 12 x 1-1/2"**

Numbers in assortment

ZINC
Part No. 501390L*
546 pieces • 21 items • 12071 steel tray

HEX DRIVERS 1/4" 5/16" 3/8"	**SCREWS 8 x 1/2" 8 x 3/4" 8 x 1" 8 x 1-1/4" 8 x 1-1/2"**	**SCREWS 10 x 1/2" 10 x 3/4" 10 x 1" 10 x 1-1/4" 10 x 1-1/2"**	**SCREWS 12 x 3/4" 12 x 1" 12 x 1-1/4" 12 x 1-1/2" 14 x 3/4"**	**SCREWS 14 x 1" 14 x 1-1/4" 14 x 1-1/2"**

1/2 QUANTITY AVAILABLE ORDER NO. 501390M
Numbers in assortment

BLACK OXIDE
Part No. 501585L
546 pieces • 21 items • 12071 steel tray

HEX DRIVERS 1/4" 5/16" 3/8"	**SCREWS 8 x 1/2" 8 x 3/4" 8 x 1" 8 x 1-1/4" 8 x 1-1/2"**	**SCREWS 10 x 1/2" 10 x 3/4" 10 x 1" 10 x 1-1/4" 10 x 1-1/2"**	**SCREWS 12 x 3/4" 12 x 1" 12 x 1-1/4" 12 x 1-1/2" 14 x 3/4"**	**SCREWS 14 x 1" 14 x 1-1/4" 14 x 1-1/2"**

1/2 QUANTITY AVAILABLE ORDER NO. 501585M
Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

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DRILL N' TAP SCREWS (TEKS®)

HEX WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

LENGTH	DIA. NO. 6 NO. 2 DRILL POINT PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	DIA. NO. 8 NO. 2 DRILL POINT PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	DIA. NO. 10 NO. 3 DRILL POINT PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX
3/8	**53555**	50	**---**	-	9/64	**---**	-	**---**	-	--	**---**	-	**---**	-	--
1/2	**53556**	50	**---**	-	17/64	**53521**	100	**505780**	25	1/4	**53523†**	100	**505783†**	25	15/64
5/8	**53557**	50	**---**	-	25/64	**---**	-	**---**	-	--	**---**	-	**---**	-	--
3/4	**53558**	50	**---**	-	21/32	**53522**	100	**505781**	25	1/2	**53524**	100	**505784**	25	13/32
1	**53559**	50	**---**	-	49/64	**53529**	100	**505782**	25	3/4	**53532**	100	**505785**	25	21/32
1-1/4	**---**	-	**---**	-	--	**53530**	100	**505710***	25	1	**53533**	50	**505786**	25	29/32
1-1/2	**---**	-	**---**	-	--	**53531**	50	**505711***	25	1-1/4	**53534**	50	**505787**	25	1-5/32
1-3/4	**---**	-	**---**	-	--	**---**	-	**505712***	25	1-1/2	**53539**	50	**505788**	25	1-13/32
2	**---**	-	**---**	-	--	**---**	-	**---**	-	--	**53540**	50	**505789**	25	1-21/32

1/4" hex driver **Part No. 53510**

5/16" hex driver **Part No. 53511**

*** No. 3 drill point**

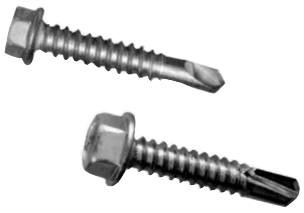
† No. 2 drill point

LENGTH	DIA. NO. 12 NO. 3 DRILL POINT PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	DIA. NO. 14 NO. 3 DRILL POINT PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX
3/4	**53525**	100	**505713**	25	23/64	**53535**	100	**505719**	25	19/64
1	**53526**	100	**505714**	25	5/16	**53536**	100	**505720**	25	35/64
1-1/4	**53527**	50	**505715**	25	53/64	**53537**	50	**505721**	25	51/64
1-1/2	**53528**	50	**505716**	25	1-5/64	**53538**	50	**505722**	25	1-5/64
1-3/4	**53541**	50	**505767**	25	1-21/64	**53543**	50	**505723**	25	1-21/64
2	**53542**	50	**505718**	25	1-37/64	**53544**	50	**505724**	25	1-37/63
2-1/2	**53550**	25	**---**	-	2-17/64	**53552**	25	**---**	-	2-7/32
3	**53551**	25	**---**	-	2-45/64	**53553**	25	**---**	-	2-5/8
4	**---**	-	**---**	-	--	**53554**	25	**---**	-	3-5/8

5/16" hex driver **Part No. 53511**

3/8" hex driver **Part No. 53512**

† No. 2 drill point



HEX SERRATED WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

SIZE DIA.xTHRDxLENGTH	PART NUMBER	DRILL POINT	GRIP MAX
10-24 x 5/8	**505960**	2	13/64
10-16 x 3/4	**505961**	3	5/16
1/4-14 x 3/4	**505962**	3	1/4
1/4-14 x 1	**505963**	3	1/2

5/16" hex driver **Part No. 53511**

- **Vibration resistant.**
- **Used on overhead steel doors, hinges, latches, HVAC systems.**
- **Zinc plated.**

HEX WASHER HEAD SELF-SEALING DRILL N' TAP SCREWS (TEKS®)

- **EDPM rubber gasket bonded to a galvanized steel washer.**
- **Prevents leaks from point of hole.**
- **5/8" OD washer, No. 3 drill point.**

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 10 PART NUMBER	GRIP MAX	QTY	DIA. NO. 12 PART NUMBER	GRIP MAX	QTY	DIA. NO. 14 PART NUMBER	GRIP MAX	QTY
3/4	**53545**	9/32	100	**53546**	13/64	100	**53548**	19/64	100
1	**---**		-	**53547**	29/64	100	**53549**	5/16	100

5/16" hex driver **Part No. 53511**

5/16" hex driver **Part No. 53511**

3/8" hex driver **Part No. 53512**

Part No. 53506
95 pieces • 5 items
12028 plastic tray

53545 53546 53547 53548 53549

Numbers in assortment

MAGNETIC HEX DRIVERS

SIZE	PART NUMBER
1/4	**53510**
5/16	**53511**
3/8	**53512**

- **Fits all 1/4" drills and impact guns with 1/4" socket.**
- **1-3/4" length.**

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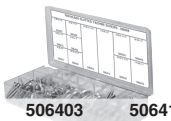
STEEL MACHINE SCREWS

PAN HEAD SLOTTED STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY
1/4	506400	50	506410	50	506423	50	506437	50	506451	50	506464	50	---	-
5/16	506401	50	506411	50	506424	50	506438	50	506452	50	---	-	---	-
3/8	506402	50	506412	50	506425	50	506439	50	506453	50	506465	50	---	-
1/2	506403	50	506413	50	506426	50	506440	50	506454	50	506466	50	506479	10
5/8	506404	50	506414	50	506427	50	506441	50	506455	50	506467	50	506480	10
3/4	506405	50	506415	50	506428	50	506442	50	506456	50	506468	50	506481	10
7/8	506406	50	506416	50	506429	50	506443	50	506457	50	506469	50	---	-
1	506407	50	506417	50	506430	50	506444	50	506458	50	506470	50	506482	10
1-1/4	506408	50	506418	50	506431	50	506445	50	506459	50	506471	50	506483	10
1-1/2	506409	50	506419	50	506432	50	506446	50	506460	50	506472	50	506484	10
1-3/4	---	-	506420	50	506433	50	506447	25	506461	25	506473	25	---	-
2	---	-	506421	50	506434	50	506448	25	506462	25	506474	25	506485	10
2-1/4	---	-	---	-	---	-	---	-	---	-	506475	25	---	-
2-1/2	---	-	---	-	506435	25	506449	25	506463	25	506476	25	---	-
3	---	-	506422	25	506436	25	506450	25	---	-	506477	25	---	-
4	---	-	---	-	---	-	---	-	---	-	506478	10	---	-



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 506004
220 pieces • 12 items • 12027 plastic tray

506403	506417	506430	506440	506446	506472
506413	506426	506432	506444	506470	506474

Numbers in assortment

Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501493
2050 pieces • 24 items • 12017 steel tray

51122	51127	506405	506415	506428	506440	506446	506470
51123	51128	506407	506417	506430	506442	506466	506472
51125	506403	506413	506426	506432	506444	506468	506474

Numbers in assortment

PAN HEAD TORX® STEEL MACHINE SCREWS

Torx® Drive Saves Time and Money

- **Reduces camout.**
- **Reduces need for excessive end load force.**
- **Extends tool life.**
- **15 degree drive angle.**
- **Reduces worker fatigue.**
- **Reduces rework and scrap.**
- **Reduces radial forces which damage tools & fastener.**
- **Straight vertical sidewalls.**

Part No. 501696
695 pieces • 20 items
12017 steel tray

507425	507430	507435	507440
507426	507431	507436	507441
507427	507432	507437	507442
507428	507433	507438	507443
507429	507434	507439	507444

Numbers in assortment

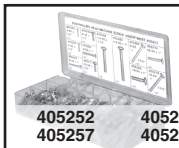
LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY
1/4	507425	50	507429	50	507433	50	---	-	---	-
5/16	507426	50	---	-	---	-	---	-	---	-
3/8	507427	50	507430	50	507434	50	507437	50	507441	50
1/2	507428	50	507431	50	507435	50	507438	50	507442	50
3/4	---	-	507432	50	507436	50	507439	50	507443	50
1	---	-	---	-	---	-	507440	50	507444	50

PAN HEAD PHILLIPS STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	405250	100	405255	100	405262	100	---	-	---	-	---	-
3/8	405251	100	405256	100	405263	100	405270	100	405277	100	405197	100
1/2	405252	100	405257	100	405264	100	405271	100	405278	100	405284	100
5/8	405253	100	405258	100	405265	100	405272	100	405279	100	---	-
3/4	405254	100	405259	100	405266	100	405273	100	405280	100	405285	100
7/8	405186	100	405188	100	405190	100	405191	100	405194	100	---	-
1	405187	100	405260	100	405267	100	405274	100	405281	100	405286	100
1-1/4	---	-	405261	100	405268	100	405275	100	405282	100	405287	100
1-1/2	---	-	405189	50	405269	100	405276	100	405283	100	405288	100
1-3/4	---	-	---	-	---	-	405192	50	405195	50	405198	50
2	---	-	---	-	---	-	405193	50	405196	50	405289	50
2-1/2	---	-	---	-	---	-	---	-	---	-	405199	50



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 405201
220 pieces • 12 items • 12027 plastic tray

405252	405260	405267	405271	405276	405288
405257	405264	405269	405274	405286	405289

Numbers in assortment

Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501494
2050 pieces • 24 items • 12017 steel tray

51122	51127	405252	405259	405266	405271	405276	405286
51123	51128	405254	405260	405267	405273	405284	405288
51125	405187	405257	405264	405269	405274	405285	405289

Numbers in assortment

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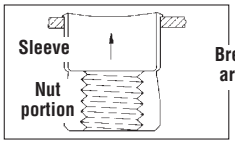
THREADED INSERTS - CLINCH-NUTS

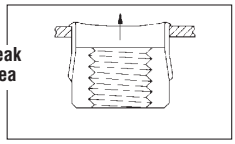
HEAVY DUTY STEEL CLINCH-NUTS®

- **Strong load bearing threads.**
- **Install in practically any material.**
- **Use in any thickness material, from .030 to infinity.**

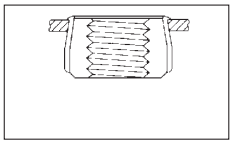
Clinch-nut installation



Clinch-Nuts are a one-piece design consisting of a nut portion and a sleeve portion.



A rotating tool mandrel exerts a pull and "breaks" the nut portion from the sleeve drawing it into the sleeve.



The nut portion expands the sleeve exerting a 360° swage fit against the parent material.

STEEL CLINCH-NUT PART NUMBER	QTY	THREAD SIZE	MATERIAL THICKNESS .030-.090 DRILL	.091-.124 DRILL	.125-.186 DRILL	.187-OVER DRILL	HEAVY DUTY ADAPTER PART NUMBER	LIGHT DUTY TOOL ONLY* PART NUMBER
503110	25	6-32	7/32	No.2	No.1	No.1	**503150**	**---**
503111	25	8-32	1/4	"F"	17/64	17/64	**503151**	**503176**
503112	25	(10-24) 3/16	9/32	"L"	"L"	19/64	**503152**	**503177**
503113	25	(10-32) 3/16	9/32	"L"	"L"	19/64	**503153**	**503178**
503114	25	1/4-20	3/8	3/8	"W"	25/64	**503154**	**503179**
503121	25	5/16-18	1/2	1/2	33/64	33/64	**503155**	**503180**

*** Sizes no. 6 & 8 supplied with hex key, sizes 10 thru 5/16 require std. socket wrench.**

HEAVY DUTY INSTALLATION TOOL

- **Simple to use.**
- **Adapters allow installation of any size Clinch-Nuts or Rivet-Nuts.**
- **Order adapters separately.**

Part No. 503115

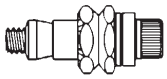
CLINCH-NUT

Part No. 503121

LIGHT DUTY INSTALLATION TOOL

- **A unique time & money saver.**
- **Makes quick, quality repairs in the field.**
- **For the frequent user, use tool Part No. 503115.**

HEAVY DUTY CLINCH-NUT INSTALLATION TOOL ADAPTERS



Pre-assembled hex nose piece assemblies and "Quick Change" tool nose piece holder make installation fast and easy.

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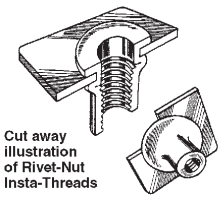
THREADED INSERTS - RIVET-NUTS

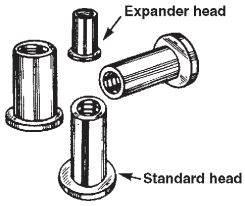
RIVET-NUT BLIND THREADED RIVETS

- **Perfect for use in light-gauge materials of metal, plastic and rigid composition. Material previously too thin to tap threads can now be accommodated.**
- **A Rivet-Nut is a tubular rivet with internal threads. It can be installed from one side in seconds. Once a Rivet-Nut is installed, it is ready to use with clean threads available for screw attachments. Used for materials .010 through .125 in. thickness.**
- **The Rivet-Nut Insta-Threads are available in standard heads, which are surface mounted and extend slightly above the material in which they are installed. Also available are the expander heads (small flathead), which may be used for flush or 120° countersunk installations or wherever a smaller head may be required.**

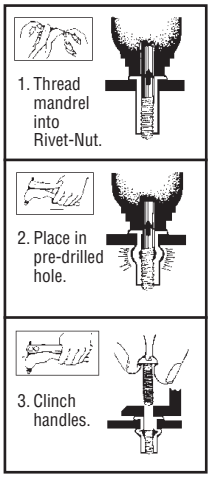
PROPER TOOL SELECTION

- **Both Rivet-Nut tool, H.D. Clinch-Nuts and light duty installation tools will install all threaded inserts, Clinch-Nuts or Rivet-Nuts. However, due to the design of each type of threaded insert, we recommend that the Clinch-Nut tool or light duty tool be used for Clinch-Nut installation and that the Rivet-Nut tool be used for Rivet-Nut Insta-Thread installations.**





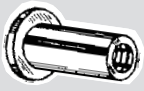
RIVET-NUT TOOL

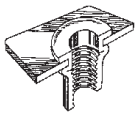


Part No. 503910
Includes a mandrel and a nosepieces for 8-32, 10-24 and 10-32 inserts.

TOOL WARRANTY NOTE:
Rivet Setting Tool, Stock No. 503910, is not warranted by us. The manufacturer requires that tools be returned to them. Necessary information is packed with every tool.

RIVET-NUT BLIND THREADED RIVETS

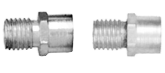




THREAD SIZE (PITCH)	STEEL PART NUMBER	ALUM PART NUMBER	STEEL PART NUMBER	ALUM PART NUMBER	DRILL SIZE	GRIP RANGE	H.D. CLINCH-NUT TOOL	LIGHT DUTY INSTALLATION TOOL ADAPTER
6-32	**503914**	**503930**	**503921**	**503937**	3/16		**503150**	**---**
8-32	**503915**	**503931**	**503922**	**503938**	7/32	.010” min.	**503151**	**503176**
10-24	**503916**	**503932**	**503923**	**503939**	1/4	to	**503152**	**503177**
10-32	**503917**	**503933**	**503924**	**503940**	1/4	.080” max.	**503153**	**503178**
1/4-20	**503918**	**503934**	**503925**	**503941**	11/32		**503154**	**503179**
5/16-18	**---**	**503935**	**---**	**503942**	27/64	.020” min. to	**503155**	**503180**
3/8-16	**---**	**503936**	**---**	**503943**	1/2	.125” max.	**---**	**---**
M3.5-0.6	**---**	**504366***	**---**	**504372***	M4.9(3/16)		**n/a**	**n/a**
M4-0.7	**---**	**504367***	**---**	**504373***	M5.6(7/32)	M.25 min.	**n/a**	**n/a**
M5-0.8	**---**	**504368***	**---**	**504374***	M6.4(1/4)	to	**n/a**	**n/a**
M6-1.0	**---**	**---**	**---**	**504375***	M8.7(11/32)	M2.03 max.	**n/a**	**n/a**
M8-1.25	**---**	**504370***	**---**	**504376***	M10.5(27/64)	M.50 min. to	**n/a**	**n/a**
M10-1.5	**---**	**504371***	**---**	**504377***	M12.5(1/2)	M3.18 max.	**n/a**	**n/a**

***Discontinued when stock is depleted.**

MANDRELS AND NOSEPIECES FOR RIVET NUT TOOL #503910



THREAD SIZE	PART NUMBER	THREAD SIZE	PART NUMBER
6-32	**503980**	1/4-20	**503984***
8-32	**503981**	4mm	**503985**
10-24	**503982**	5mm	**503986**
10-32	**503983**	6mm	**503987***

***Mandrel only, nosepiece not required.**

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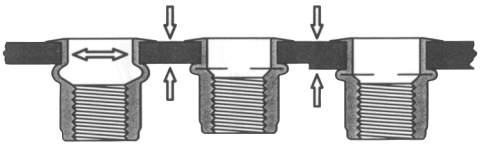
THREADED INSERTS - GRIP-N-SERTS

GRIP-N-SERT TECHNOLOGY™

HOW HOLE FILL WORKS FOR YOU

As the Grip-N-Sert is installed, the knurled body expands 360° FILLING THE HOLE. This feature provides exceptional torque strength and vibration resistance.



The installation tool then continues to exert a torque load on the insert forming a backside flange even in multiple or variable thickness materials - WITHOUT ADJUSTMENT.

GRIP-N-SERT TOOL

Part No. **603150**

INSTALLATION:

- **With tool handles in full open position, thread insert fully onto mandrel head side first.**
- **Place into the hole in your parent material.**
- **Squeeze tool handles together until the insert collapses.**
- **Unscrew the mandrel puller knob.**

THREAD SIZE	CONVERSION KIT PART NUMBER
6-32 USS	**603155**
8-32 USS	**603156**
10-24 USS	**603157**
10-32 SAE	**603158**
1/4-20 USS	**603159**
1/4-28 SAE	**603160**
5/16-18 USS	**603161**
5/16-24 SAE	**603162**

THREAD SIZE	CONVERSION KIT PART NUMBER
3/8-16 USS	**603163**
3/8-24 SAE	**603164**
M4 x 0.7	**603165**
M5 x 0.8	**603166**
M6 x 1.0	**603167**
M8 x 1.25	**603168**
M10 x 1.5	**603169**

GRIP-N-SERT W/TOOLS
Part No. 501651
168 pieces • 15 items • 12056 steel tray

GRIP-N-SERTS		CONVERSION KIT		TOOL
6-32	1/4-20	6-32	1/4-20	603150
8-32	5/16-18	8-32	5/16-18	
10-24	3/8-16	10-24	3/8-16	
10-32		10-32		

Numbers in assortment

GRIP-N-SERT W/O TOOLS
Part No. 501652
160 pieces • 7 items • 12056 steel tray

6-32	10-32	3/8-16
8-32	1/4-20	
10-24	5/16-18	

Numbers in assortment

GRIP-N-SERTS

A blind threaded insert with a large head for applications where large or irregular holes are a problem. Insert works in sheet metal, structural foam, fiberglass and some plastics. The axial knurl is first forced into the parent material and then upset over the backside to engage the knurl into the parent material providing very high resistance to spinning, the "bubble" of material over the backside provides very high pull-out loads.

- **Useable in oversize and irregular holes.**
- **High torque-out values-ribbed flange resists spinning due to cross threading or overtightening.**
- **High pull-out values - very hard to pull through material due to the "bubble" on the backside.**
- **Wide grip range - one length does the job of numerous other inserts.**
- **Blind installation - no access to backside required.**
- **Nearly flush.**
- **Install after surface finish - tool will not mar parent material.**
- **Designed to be used with grade 5 or metric 8.8.**
- **Steel - zinc/yellow dichromate plated.**

— STANDARD —

THREAD SIZE	PART NUMBER	GRIP RANGE	DRILL SIZE (INCHES)	HOLE SIZE	PART DRILL NUMBER
#6-32	**603175**	.020-.080	17/64	(.2656)	**813514**
#8-32	**603176**	.020-.080	17/64	(.2656)	**813514**
#10-24	**603177**	.020-.130	19/64	(.2969)	**813516**
#10-32	**603178**	.020-.130	19/64	(.2969)	**813516**
1/4-20	**603179**	.027-.165	25/64	(.3906)	**813522**
1/4-28	**603180**	.027-.165	25/64	(.3906)	**813522**
5/16-18	**603181**	.027-.150	17/32	(.5312)	**814756**
5/16-24	**603182**	.027-.150	17/32	(.5312)	**814756**
3/8-16	**603183**	.027-.150	17/32	(.5312)	**814756**
3/8-24	**603184**	.027-.150	17/32	(.5312)	**814756**

— METRIC —

THREAD SIZE	PART NUMBER	GRIP RANGE	DRILL SIZE (INCHES)	HOLE SIZE	PART DRILL NUMBER
M4 x 0.7	**603185**	.50-2.0	6.8	17/64	**813514**
M5 x 0.8	**603186**	.50-3.3	7.6	19/64	**813516**
M6 x 1.0	**603187**	.70-4.2	10.0	25/64	**813522**
M8 x 1.25	**603188**	.70-3.8	13.5	17/32	**814756**
M10 x 1.5	**603189**	.70-3.8	13.5	17/32	**814756**

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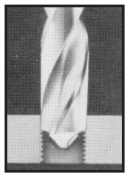
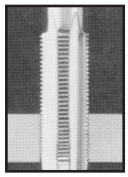
THREADED INSERTS - KEENSERTS

KEENSERTS®

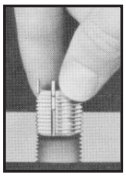
Quick and Easy to install...



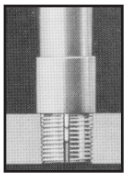
Drill out old threads, using standard drill.



Tap new threads, using standard tap.

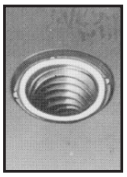


Screw in insert until slightly below surface. "Kees" act as depth stop.



* Drive "Kees" down with several light taps.

* Use Keensert kee drive or standard tools.



Finished.

Strong, permanent thread repairs - No special drills, taps or installation tools required.

- **Install using standard drills and taps.**
- **Easy hand installation.**
- **Impossible to cross threads while installing.**
- **No tang to break-off.**
- **Positive mechanical lock against rotation.**
- **May be used in virtually any material: Aluminum, Magnesium, Cast Iron, Steel and Plastic.**
- **Provides high strength & reliability, one length per size provides maximum pullout strength, breaks Grade 8 bolts in test after test.**
- **Easy to remove.**
- **No special skills required. Installation procedures can be learned in minutes.**

KEENSERT® THREADED INSERT ASSORTMENTS

MASTER KEENSERTS & KEE DRIVERS

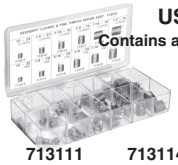
Contains all coarse and fine thread Keenserts and all metric sizes plus one kee driver per inside dia. size

Part No. 713100

107 pieces • 28 items • 12062 steel tray

713111	713115	713119	713131	713135	713174	713164
713112	713116	713120	713132	713136	713175	713165
713113	713117	713121	713133	713171	713161	713166
713114	713118	713122	713134	713172	713162	713167

Numbers in assortment



USS (COARSE) & SAE (FINE)

Contains all sizes of coarse & fine thread Keenserts #10 - 1/2

Part No. 713103

52 pieces • 12 items

12043 plastic tray

713111	713114	713117	713120
713112	713115	713118	713121
713113	713116	713119	713122

Numbers in assortment

SHOP USS (COARSE)

Contains all sizes of coarse thread Keenserts #10 - 1/2

Part No. 713101

26 pieces • 6 items

12028 plastic tray

713111	713115	713119
713113	713117	713121

Numbers in assortment

SHOP SAE (FINE)

Contains all sizes of fine thread Keenserts #10 - 1/2

Part No. 713102

26 pieces • 6 items

12028 plastic tray

713112	713116	713120
713114	713118	713122

Numbers in assortment

MASTER KEENSERTS® REFERENCE GUIDE

Sometimes when you compare cost alone, you don't realize the entire story. Other factors must be considered. Quality of material, ease of installation, skill required and investment in special tools are all factors which favor keenserts over other inserts and make keenserts your most cost effective repair.

INTERNAL THREAD SIZE	EXTERNAL THREAD SIZE	KEENSERT STOCK NO.	DRILL SIZE & STOCK NO.	INSTALLATION DATA TAP SIZE & STOCK NO.	INSTALLATION DATA KEENSERTS KEE DRIVER	REMOVAL DATA DRILL SIZE & STOCK NO.	REMOVAL DATA DRILL DEPTH
10-24	5/16-18	**713111**	"I"	5/16-18"	**713131**	7/32"	5/32"
10-32		**713112**	**813582**	813815		**813511**	
1/4-20	3/8-16	**713113**	"Q"	3/8-16"	**713132**	9/32"	3/16"
1/4-28		**713114**	**813590**	813816		**813515**	
5/16-18	7/16-14	**713115**	"X"	7/16-14"	**713133**	11/32"	3/16"
5/16-24		**713116**	**813597**	813817		**813519**	
3/8-16	1/2-13	**713117**	29/64"	1/2-13"	**713134**	13/32"	3/16"
3/8-24		**713118**	**813526**	813818		**813523**	
7/16-14	9/16-12	**713119**	33/64"	9/16-12"	**713135**	15/32"	3/16"
7/16-20		**713120**	**814755**	813819		**813527**	
1/2-13	5/8-11	**713121**	37/64"	5/8-11"	**713136**	17/32"	3/16"
1/2-20		**713122**	**814759**	813820		**814756**	
5/8-11	7/8-14	**713123**	53/64"	7/8-14"	**713137**	25/32"	3/16"
5/8-18		**713124**	**814775**			**813613**	
3/4-10	1-1/8-12	**713125**	1-1/16"	1-1/8-28"	**713138**	31/32"	3/16"
3/4-16		**713126**	**814788**			**814784**	
Metric Sizes							
M5 x 0.8	M8 x 1.25	**713161**	"H" **813581**	8 x 1.25	**713171**	7/32" **813511**	5/32"
M6 x 1.0	M10 x 1.25	**713162**	"S" **813592**	10 x 1.25	**713172**	19/64" **813516**	3/16"
M8 x 1.0	M12 x 1.25	**713164**	27/64"	12 x 1.25	**713174**	3/8"	3/16"
M8 x 1.25		**713165**	**813524**			**813521**	
M10 x 1.25	M14 x 1.50	**713166**	1/2"	14 x 1.50	**713175**	29/64"	
M10 x 1.50		**713167**	**813529**			**813526**	

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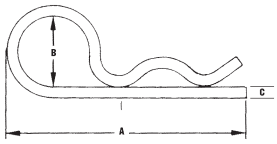
HITCH and COTTER PINS

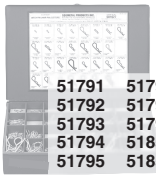
HITCH PIN (HAIR PIN) COTTERS

Protected by **LUSTERPLATE™** against rust & corrosion

Used to secure clevis pins, headless pins, hitch pins, etc.

- **Heat-treated spring steel.**
- **Insert straight side through holes, bent side provides spring retention.**





Part No. 501627
412 pieces • 30 items
12062 steel tray

51791	51796	51852	51857	51862	51867
51792	51798	51853	51858	51863	51868
51793	51799	51854	51859	51864	51869
51794	51850	51855	51860	51865	51870
51795	51851	51856	51861	51866	51873

Numbers in assortment

Part No. 51790
64 pieces • 6 items
12028 plastic tray

51791	51793	51795
51792	51794	51796

Numbers in assortment

WIRE DIA. "C"	OVERALL LENGTH "A"	PART NUMBER	DRILL HOLE SIZE	MIN. SHAFT DIA.	MAX. SHAFT DIA	INSIDE DIA. OF EYE "B"	QTY
.035	7/16	**51850**	.040	7/64	9/64	.078	50
.042	7/16	**51851**	.047	1/16	1/8	.080	50
.042	1	**51852**	3/64	3/16	1/4	1/4	50
.047	19/32	**51853**	1/16	1/8	3/16	1/8	50
.047	1-9/16	**51854**	1/16	1/4	3/8	5/16	50
.054	3/4	**51855**	1/16	3/16	1/4	1/8	50
.054	7/8	**51856**	1/16	1/4	3/8	9/64	50
.062	1-5/16	**51857**	5/64	1/4	1/2	5/16	25
.062	1-9/16	**51792**	5/64	3/8	1/2	5/16	50
.072	1-3/32	**51858**	5/64	5/16	3/8	9/64	25
.072	1-7/8	**51859**	5/64	3/8	1/2	5/8	25
.080	1-3/16	**51860**	3/32	1/4	3/8	1/4	25
.080	1-9/16	**51791**	3/32	3/8	1/2	5/16	50
.094	1-5/8	**51861**	7/64	1/4	1/2	3/8	25
.094	2-5/16	**51794**	7/64	1/4	5/8	5/8	24
.094	2	**51862**	7/64	3/8	1/2	5/8	25
.094	2-1/2	**51863**	7/64	3/8	3/4	7/16	25
.094	1-1/8	**51864**	7/64	1/4	1/2	1/4	25
.125	1-9/16	**51865**	9/64	1/2	3/4	7/16	25
.125	1-15/16	**51793**	9/64	1/2	3/4	7/16	50
.125	2-9/16	**51866**	9/64	7/16	3/4	9/16	25
.125	2-1/2	**51795**	9/64	5/8	7/8	1/2	24
.125	2-7/8	**51867**	9/64	3/4	1-1/8	9/16	10
.148	3-5/16	**51868**	5/32	3/4	1-1/8	3/4	10
.148	2-15/16	**51869**	5/32	5/8	1	3/4	10
.162	2-3/16	**51870**	3/16	7/8	1-1/16	7/8	10
.177	3-1/2	**51798**	3/16	3/4	1-1/16	1	10
.177	3-1/4	**51799**	3/16	5/8	1	7/8	10
.177	3-3/4	**51796**	3/16	7/8	1-1/4	7/8	24
.243	4	**51871**	17/64	3/4	1	15/16	10
.243	5-1/4	**51872**	17/64	1-1/4	1-1/2	1-3/8	10
.250	3-1/4	**51873**	17/64	3/4	1	3/4	10
.310	3-15/16	**51874**	21/64	7/8	1	7/8	10

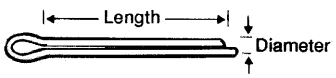
COTTER PINS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Offset ends for easy locking.**
- **Finest high strength steel.**
- **Precision parallel shanks.**

	DIA. 1/32		DIA. 3/64		DIA. 1/16		DIA. 3/32		DIA. 7/64		DIA. 1/8		DIA. 5/32	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	**51775**	500	**51777**	500	**51706**	500	**51713**	500	**51830**	250	**51722**	500	---	-
3/4	**51776**	500	**51778**	500	**51707**	500	**51714**	500	**51831**	250	**51723**	500	**51732**	200
1	---	-	**51779**	500	**51708**	500	**51715**	500	**51832**	250	**51724**	500	**51733**	200
1-1/4	---	-	---	-	**51709**	500	**51716**	500	**51833**	250	**51725**	500	**51734**	200
1-1/2	---	-	---	-	**51710**	500	**51717**	500	**51834**	250	**51726***	500	**51735**	200
1-3/4	---	-	---	-	**51711**	500	**51718**	500	**51835**	250	**51727**	500	**51736**	200
2	---	-	---	-	**51712**	500	**51719**	500	**51836**	250	**51728**	500	**51737**	200
2-1/4	---	-	---	-	---	-	---	-	---	-	---	-	**51738**	200
2-1/2	---	-	---	-	**51801**	100	**51721**	500	**51837**	100	**51730**	200	**51739**	200
3	---	-	---	-	**51802**	100	**51720**	100	**51838**	100	**51731**	200	**51805**	50
3-1/2	---	-	---	-	---	-	---	-	---	-	---	-	**51806**	50
4	---	-	---	-	---	-	---	-	---	-	**51803**	50	**51807**	50

***Most popular vehicle application.**



	DIA. 3/16		DIA. 1/4		DIA. 5/16		DIA. 3/8		DIA. 7/16		DIA. 1/2	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	**51740**	200	**51748**	50	**51759**	50	---	-	---	-	---	-
1-1/4	---	-	**51749**	50	**51760**	50	---	-	---	-	---	-
1-1/2	**51741**	200	**51750**	50	**51761**	50	**51768**	50	---	-	---	-
1-3/4	---	-	**51751**	50	**51762**	50	---	-	---	-	---	-
2	**51742**	100	**51752**	50	**51763**	50	**51769**	50	**51814**	5	**51820**	5
2-1/4	**51743**	100	**51753**	50	**51764**	50	---	-	---	-	---	-
2-1/2	**51744**	100	**51754**	50	**51765**	50	**51770**	50	**51815**	5	**51821**	5
3	**51745**	100	**51755**	50	**51766**	50	**51771**	50	**51816**	5	**51822**	5
3-1/2	**51746**	50	**51756**	50	**51767**	10	**51772**	50	---	-	**51823**	5
4	**51747**	50	**51757**	50	**51810**	10	**51773**	50	**51817**	5	**51824**	5
4-1/2	---	-	**51758**	10	---	-	---	-	---	-	---	-
5	---	-	**51808**	10	**51811**	10	**51774**	5	**51818**	5	**51825**	5
6	---	-	**51809**	10	**51812**	5	**51813**	5	**51819**	5	**51826**	5

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COTTER PINS

COTTER PIN ASSORTMENTS

SMALL DIAMETER
Part No. 501008L
4265 pieces • 23 items • 12017 steel tray

1/16" x 1/2"	3/32" x 1/2"	1/8" x 1"	5/32" x 1-1/4"
1/16" x 3/4"	3/32" x 3/4"	1/8" x 1-1/4"	5/32" x 1-1/2"
1/16" x 1"	3/32" x 1"	1/8" x 1-1/2"	5/32" x 1-3/4"
1/16" x 1-1/4"	3/32" x 1-1/4"	1/8" x 1-3/4"	5/32" x 2"
1/16" x 1-1/2"	3/32" x 1-1/2"	1/8" x 2"	3/16" x 1-1/2"
1/16" x 2"	3/32" x 2"	5/32" x 1"	

1/2 QUANTITY AVAILABLE ORDER NO. 501008M
Numbers in assortment

LARGE DIAMETER
Part No. 501009L
640 pieces • 11 items • 12061 steel tray

1/8" x 2-1/2"	3/16" x 2"	1/4" x 2-1/2"
1/8" x 3"	3/16" x 2-1/2"	1/4" x 3"
5/32" x 2"	3/16" x 3"	5/16" x 1-3/4"
5/32" x 2-1/2"	1/4" x 2"	

1/2 QUANTITY AVAILABLE ORDER NO. 501009M
Numbers in assortment

Part No. 51701
320 pieces • 6 items • 12028 plastic tray

1/16" x 1"	3/32" x 1-1/2"	1/8" x 1-1/2"
3/32" x 1"	1/8" x 1"	1/8" x 2"

Numbers in assortment

Part No. 51702
942 pieces • 12 items • 12038 plastic tray

1/16" x 1/2"	3/32" x 3/4"	1/8" x 1"	1/8" x 2"
1/16" x 1"	3/32" x 1"	1/8" x 1-1/4"	5/32" x 2"
3/32" x 1/2"	3/32" x 1-1/2"	1/8" x 1-1/2"	3/16" x 2"

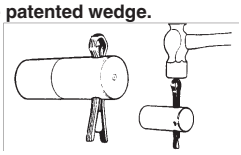
Numbers in assortment

WEDG-LOK COTTER PINS

Ideal for heavy industrial machinery, farm and mining equipment, off-road construction equipment and railroad rolling stock.

SIZE	PART NUMBER	HOLE SIZE	RECOMMENDED SHAFT DIAMETER MIN.	MAX.	QTY
5/16 x 2	**512401**	3/8	3/4	1	25
5/16 x 2-1/2	**512402**	3/8	1	1-1/4	25
5/16 x 3	**512403**	3/8	1-5/16	1-1/2	25
5/16 x 3-1/2	**512404**	3/8	1-5/16	1-1/2	25
3/8 x 2-1/2	**512405**	7/16	1	1-1/4	25
3/8 x 3	**512406**	7/16	1-5/16	1-1/2	25
3/8 x 3-1/2	**512407**	7/16	1-5/16	1-1/2	20

- **Creates a positive lock to meet new safety regulations.**
- **Stops vandalism - completely tamper proof.**
- **Stops wear due to vibration from constant use.**
- **Versatile, permanent and safe.**
- **Pins include patented wedge.**



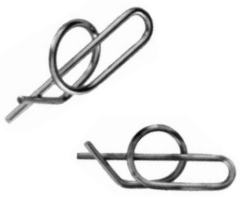
RUE™ RING COTTER PINS

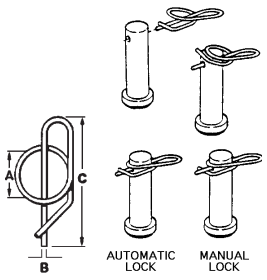
Used for light to medium applications.

Protected by **LUSTERPLATE™** against rust & corrosion

- **Automatic lock - the safest cotter pin available. Surrounds the shaft and locks itself on.**
- **Fast and easy to install or remove - no special tools needed.**
- **Manual secondary lock which tensions Rue Ring tight and dampens vibration.**
- **Manufactured of hard drawn spring wire.**

FITS SHAFT SIZE	A MIN. / MAX.	B WIRE SIZE	C LENGTH	PART NUMBER	QTY
1/4	.257/.267	.041	.844	**512410**	25
5/16	.320/.330	.047	1.044	**512411**	25
3/8	.382/.392	.054	1.214	**512412**	25
1/2	.510/.520	.062	1.420	**512413**	10
5/8	.635/.645	.072	1.690	**512414**	10
3/4	.760/.770	.080	2.081	**512415**	10
7/8	.885/.895	.105	2.506	**512416**	10
1	1.010/1.020	.105	2.756	**512417**	10





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LINKS, CHAIN and WIRE ROPE HARDWARE

REPAIR AND LAP LINKS

For temporary chain repair and coupling of attachments.

- Low steel.

DO NOT USE FOR OVERHEAD LIFTING

Protected by BLU-KROME™ against rust & corrosion

SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
1/8 x 3/4	**52224**	6	190
3/16 x 1	**52217**	6	240
1/4 x 1-1/4	**52218**	6	400
1/4 x 2	**52219**	6	400
5/16 x 1-1/2	**52220**	6	950
5/16 x 2*	**52227**	6	1000
3/8 x 1-5/8	**52221**	6	1250
3/8 x 2	**52228**	6	1250
1/2 x 2-1/2	**52222**	6	2125

COLD SHUT

For temporary chain repair and coupling of attachments.

- Mild steel.
- Use one size larger when used with chain.
- Do not reuse.

DO NOT USE FOR OVERHEAD LIFTING

Protected by BLU-KROME™ against rust & corrosion

SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
3/16	**521242**	2	450
1/4	**52131**	2	750
5/16	**52132**	2	1250
3/8	**52133**	2	1900
7/16	**52134***	2	2650
1/2	**52135**	2	3500
5/8	**52136***	1	4500
3/4	**52137***	1	6900

***This item will be discontinued when stock is depleted.**

QUICK LINKS

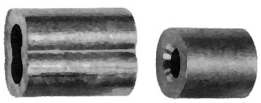
Use as a repair link, connecting link, or attaching device.

- Reusable
- Fast and easy-no tools needed.
- Nut screws into place.
- Threaded end diameter exceeds link diameter to prevent deformation or breakage of threads under stress.

Protected by LUSTERPLATE™ against rust & corrosion

SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
1/8	**52211**	6	180
3/16	**52212**	6	750
1/4	**52213**	6	1250
5/16	**52214**	6	1900
3/8	**52215**	6	2650
1/2	**52216**	6	4500

ALUMINUM CABLE FERRULES & STOPS



CABLE SIZE	PART NUMBER	QTY
1/16	**521316***	5
3/32	**521317***	5
1/8	**521318***	5
3/16	**521319***	5
1/4	**521320***	5

*Set of (5) Ferrules & (5) Stops

Swage tool No. 2
Sizes 1/16 to 1/8

Part No. 521321

Swage tool No. 3
Sizes 1/8 to 1/4

Part No. 521322

18" Swage tool
Sizes 1/16 to 3/16

Part No. 521323

EYE AND EYE SWIVELS

- Drop forged carbon steel.
- Galvanized for additional corrosion resistance.
- Design factor 5 to 1.
- Meets federal spec. RR-C-271-Type VII Class 2.

SIZE	PART NUMBER	WORKING LOAD LIMIT (LBS.) †
1/4	**521277**	850
5/16	**521278**	1250
3/8	**521279**	2250
1/2	**521280**	3600
5/8	**521281**	5200
3/4	**521282**	7200
7/8	**521283**	10000
1	**521284**	12500
1-1/4	**521285**	18000

DOUBLE CLEVIS

Use with proof coil chain & high test chain.

- Forged, heat treated, tempered steel.
- Easy to install and remove.

Protected by BLU-KROME™ against rust & corrosion

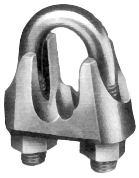
CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT (LBS.) †
1/4 or 5/16	**52179**	3900
3/8	**52180**	5400
7/16 or 1/2	**52181**	9200

WIRE ROPE CLIPS

MALLEABLE IRON

- Malleable iron casting meets ASTM A-47 specification.
- Clips meet specification FF-C-450, TYPE L, CLASS 2.
- Complete with hex nuts.

Protected by LUSTERPLATE™ against rust & corrosion



SIZE	PART NUMBER	QTY
1/8	**52145**	10
3/16	**52148**	10
1/4	**52149**	10
5/16	**52150**	10
3/8	**52151**	10
1/2	**52152**	2
5/8	**52153**	2
3/4	**52154**	1
7/8	**52155**	1
1	**52156**	1

FORGED CARBON STEEL

- Galvanized for added corrosion resistance.
- Meets specification FF-C-450,type I, class 1
- Complete with heavy hex nuts.

SIZE	PART NUMBER	QTY
1/8	**521232**	2
3/16	**521233**	2
1/4	**521234**	2
5/16	**521235**	2
3/8	**52157**	2
1/2	**52158**	2
5/8	**52159**	2
3/4	**52160**	1
7/8	**52161**	1
1	**52162**	1
1-1/8	**521236**	1

WIRE ROPE THIMBLES

- Made of hot rolled mild steel.
- Meets federal specification FF-T-276b, type II.
- Galvanized for added corrosion resistance.

SIZE	PART NUMBER	QTY
1/8	**52201**	6
3/16	**52202**	6
1/4	**52203**	6
5/16	**52204**	6
3/8	**52205**	6
1/2	**52206**	6
5/8	**52207**	6
3/4	**52208**	6
7/8	**52209**	6
1	**52210**	6

† **WARNING:** Do not exceed working load limit

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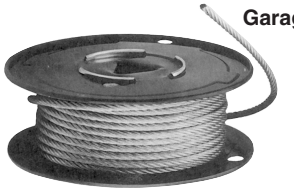
WIRE ROPE, HDWE., CABLE ACC. and GRAB HOOKS

VINYL COATED WIRE ROPE (AIRCRAFT CABLE)

WIRE DIA.	COATED DIA.	CONST.	PART NUMBER	BREAKING STRENGTH (LBS.)
3/32	1/8	7 x 7	**407170**	920
1/8	3/16	7 x 7	**407171**	1700
3/16	1/4	7 x 19	**407172**	4200
1/4	5/16	7 x 19	**407173**	7000



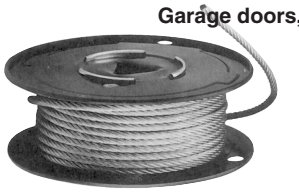
Garage doors, boats, farm, industry, construction, 1001 uses.

- 7 x 7 class - 7 strands. Contains 7 wires each - preformed.
- 7 x 19 class - 7 strands. Contains 19 wires each - preformed.
- Extra flexible - high quality.
- Galvanized to prevent rust.
- Vinyl coating is more resistant to abrasion and weathering.
- Easily cleaned.
- Sold by the foot - Custom cut to meet your requirements.

WIRE ROPE (AIRCRAFT CABLE)

DIA.	PART NUMBER	BREAKING STRENGTH (LBS.)
3/32	**407160**	1000
1/8	**407161**	2000
5/32	**407162**	2800
3/16	**407163**	4200
7/32	**407164**	5600

DIA.	PART NUMBER	BREAKING STRENGTH (LBS.)
1/4	**407165**	7000
9/32	**407166**	8000
5/16	**407167**	9800
3/8	**407168**	14400



Garage doors, boats, farm, industry, construction, 1001 uses.

- 7 x 19 class - 7 strands. Contains 19 wires each - preformed.
- Extra flexible - high quality.
- Galvanized to prevent rust.
- Sold by the foot - Custom cut to meet your requirements.

ANCHOR SHACKLES

- Bodies are drop forged carbon steel.
- Screw pins and round pins are alloy steel.

SCREW PIN

Meets Federal specification RR-C-271, TYPE IV, CLASS 1
Galvanized for added corrosion resistance.

SIZE	PART NUMBER	WORKING LOAD LIMIT (TONS)†
3/16	**521264**	1/3
1/4	**52192**	1/2
5/16	**52193**	3/4
3/8	**52194**	1
7/16	**52195**	1-1/2
1/2	**521265**	2
5/8	**521266**	3-1/4

SIZE	PART NUMBER	WORKING LOAD LIMIT (TONS)†
3/4	**52146**	4-3/4
7/8	**52147**	6-1/2
1	**521267**	8-1/2
1-1/8	**521268**	9-1/2
1-1/4	**521269**	12
1-1/2	**521270**	17

SLIP HOOKS

CLEVIS TYPE

- Drop forged steel.
- Heat treated carbon or alloy steel.
- Use clevis type w/high test or low test carbon chain.
- Eye type for use with low carbon chain only.
- NOT RECOMMENDED FOR OVERHEAD USE.

CHAIN SIZE	CARBON STEEL PART NUMBER	CARBON STEEL WORKING LOAD LIMIT † (LBS.)	ALLOY STEEL PART NUMBER	ALLOY STEEL WORKING LOAD LIMIT † (LBS.)
1/4	**52182**	2600	**521208***	4100
5/16	**52183**	3900	**521209***	5100
3/8	**52184**	5400	**521210***	7100
7/16	**---**	--	**521211**	10000
1/2	**52186**	9200	**521212**	13000
5/8	**521200**	11500	**521213**	20300

***Hooks have pre-drilled hole for latch kits.**

CLEVIS TYPE w/Latch

- Drop forged steel.
- Grade 43.
- Zinc plated.
- Designed to allow chain to slip through the hook.

CHAIN SIZE	MM	PART NUMBER (LBS.)	WORKING LOAD LIMIT † LB.	KG.
1/4	6	**521400**	2600	1179
5/16	8	**521401**	3900	1769
3/8	10	**521402**	5400	2449
1/2	13	**521403**	9200	4173

EYE TYPE

- Drop forged carbon or alloy steel.
- Meets design requirements for Federal specification RR-C-271.

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**521218**	4100
5/16	**521219**	5100
3/8	**521220**	7100
1/2	**521222**	12000

SNAP HOOKS W/ SAFETY LATCHES

- Heat treated drop forged carbon steel.
- Design factor 5 to 1.
- Used with proof coil chain.
- Galvanized for extra corrosion resistance.

HOOK SIZE	PART NUMBER	EYE SIZE	WORKING LOAD LIMIT (LBS.) †
7/16	**407216**	3/4	750
9/16	**407218**	1-1/8	1000

EYE HOIST HOOKS W/ SAFETY LATCH

- Heat treated drop forged alloy steel.
- Orange.
- Industry #24.
- Design factor 5 to 1.
- Used with proof coil chain.
- Working load limit 2 tons. †
- Suitable for overhead lifting.
- Eye size 1-1/8, hook size 1-1/32.

Part No. **407214**

CLEVIS STYLE GRAB HOOK

CARBON STEEL

- Drop forged carbon steel.
- Not recommended for overhead use.

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**52121**	2600
5/16	**52122**	3900
3/8	**52123**	5400
1/2	**52125**	9200
5/8	**521216**	11500

ALLOY STEEL

Used with System 7 and 8 chain.

- Painted orange for easy identification.
- Stamped "ALLOY".

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**521225**	4100
5/16	**521226**	5100
3/8	**521227**	7100
7/16	**521228**	10000
1/2	**521229**	12000
5/8	**521230**	18100
3/4	**521231**	28300

† **WARNING:** Do not exceed working load limit

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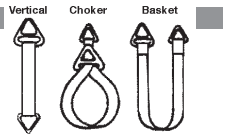
NYLON SLINGS and ADJUSTABLE STRAPS

HEAVY DUTY INDUSTRIAL NYLON SLINGS



Used as vertical, choker and basket type hitches.

- **Resistance to alkalis.**
- **Contains red warning yarns.**
- **Subject to damage by sharp edges.**
- **Meets OSHA regulations; 1910 .184 :ANSI: B-39**

FLAT EYE SLINGS

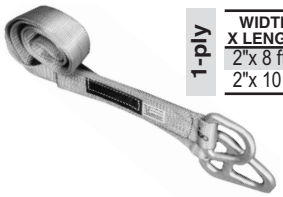
2-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 3 ft.	**521342**	6400	4800	12800
2"x 6 ft.	**521343**	6400	4800	12800
2"x 8 ft.	**521344**	6400	4800	12800
2"x 10 ft.	**521345**	6400	4800	12800
3"x 8 ft.	**521346**	8600	6500	17200
3"x 10 ft.	**521347**	8600	6500	17200

1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
1"x 8 ft.	**521338**	1600	1200	3200
1"x 10ft.	**521339**	1600	1200	3200
2"x 8 ft.	**521340**	3200	2400	6400
2"x 10 ft.	**521341**	3200	2400	6400

TRIANGLE-CHOKER - STEEL ATTACHMENTS



1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 8 ft.	**521352**	3200	2400	6400
2"x 10 ft.	**521353**	3200	2400	6400

TWISTED EYE SLING

1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
1"x 8 ft.	**521348**	1600	1200	3200
1"x 10 ft.	**521349**	1600	1200	3200
2"x 8 ft.	**521350**	3200	2400	6400
2"x 10 ft.	**521351**	3200	2400	6400

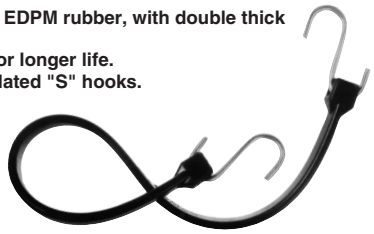
ENDLESS

2-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 3 ft.	**521354**	9600	7700	19200
2"x 6 ft.	**521355**	9600	7700	19200
2"x 10 ft.	**521356**	9600	7700	19200

HEAVY DUTY TARP STRAPS

- **Heavy duty molded EDPM rubber, with double thick reinforced ends.**
- **Weather resistant for longer life.**
- **"Live" wire, lusterplated "S" hooks.**



PART NUMBER	RUBBER LENGTH (INCHES)	STRETCHES (INCHES)	QTY
918101	9	19	10
918102	15	26	10
918103	20	34	10
918104	31	48	10
918105	41	65	10

Part No. 918100
14 pieces • 5 items

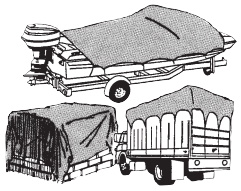
918101 **918104**
918102 **918105**
918103

Numbers in assortment

POLYETHYLENE TARPAULIN

Covers and protects motors, equipment, seed, fertilizers, dirt,construction materials, boats, recreational equipment, truck loads. Used by farms, nurseries, truck and fleet operations, marinas, construction companies, municipalities, schools, and RV's.

- **100% waterproof and mildew proof.**
- **Ultra-violet retardant.**
- **Strong woven 8 x 10 nylon strand grid per square inch.**
- **Tear resistant.**
- **Washable.**
- **Aluminum grommets, reinforced hemmed edges.**



CUT SIZE	PART NUMBER
8' x 10'	**918125**
10' x 12'	**918126**
10' x 16'	**918127**
12' x 16'	**918128**

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PILLOW BLOCKS and EQUIPMENT PINS

BALL BEARING PILLOW BLOCKS

Provides support & mounting versatility for power transmission shafts.

TECHNICAL DATA:

PART NUMBER	SHAFT DIA.	BOLT USED
407151	1	3/8
	25mm	10mm
407152	1-1/4	1/2
	35mm	14mm
407154	1-3/4	1/2
	45mm	14mm

LIFT ARM BUSHINGS

- **Allows use of unmatched equipment categories without changing lift arm pins..**

ID	PART NUMBER	QTY	OD	OVERALL LENGTH	CATEGORY
1-1/8	**606137**	2	1-7/16	1-3/4	3 - 2

LIFT ARM PINS

- **Forged from high strength steel.**
- **Minimum yield strength 60000 psi.**

Protected by LUSTERPLATE™ against rust & corrosion

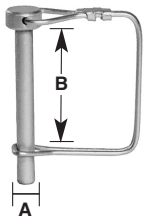
DIA.	PART NUMBER	QTY	THREAD	OVERALL LENGTH	CATEGORY
5/8	**606124**	2	5/8–18	4	0
7/8	**606125**	2	7/8–14	5-1/4	1
1-1/8	**606126**	2	1-1/8–12	6-1/4	2
1-7/16	**606128**	1	1-1/8–12	6-1/2	2 to 3

PTO LOCK PINS

Power take off pins on farm equipment.

- **Quick connect and disconnect with a position lock.**
- **Minimum yield strength 50,000 psi.**

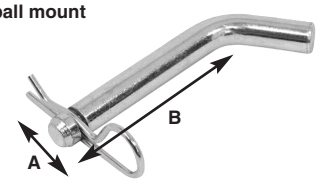
Protected by LUSTERPLATE™ against rust & corrosion



PIN DIA. (A)	USABLE LENGTH (B)	ROUND HANDLE PART NO.	SQUARE HANDLE PART NO.
1/4	1-3/4	**606141**	**---**
1/4	2-1/4	**---**	**606129**
1/4	2-1/2	**606142**	**606130**
1/4	3	**---**	**606135**
1/4	3-1/2	**---**	**606138**
5/16	1-3/8	**606143**	**---**
5/16	1-3/4	**606144**	**---**
5/16	2-1/4	**---**	**606131**
5/16	2-1/2	**---**	**606132**
5/16	3	**---**	**606139**
3/8	1-3/8	**606145**	**---**
3/8	1-3/4	**606146**	**---**
3/8	2-1/4	**---**	**606133**
3/8	2-1/2	**606147**	**606134**
3/8	3	**---**	**606148**

BENT PULL PINS

- **Designed for securing a towing ball mount in Class III and IV receivers.**
- **Bright zinc finish.**
- **Sturdy steel construction.**
- **Weather resistant.**



DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
5/8	**606168**	4	2

HITCH PINS

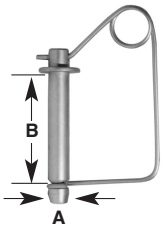
- **Manufactured of high strength heat treated, stress relieved alloy steel.**
- **Minimum yield strength 100,000 psi.**

Protected by LUSTERPLATE™ against rust & corrosion

SNAP LOCK HITCH PINS

Stays locked.

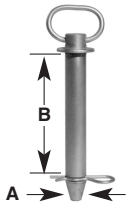
DIA. (A)	PART NUMBER	USABLE LENGTH (B)
1/2	**606114**	3-1/2
5/8	**606115**	4
3/4	**606116**	4



HAIR PIN HITCH PINS

- **Large full size handle.**
- **Hair pin cotter included-provides positive lock.**

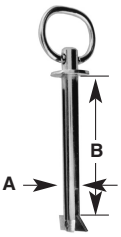
DIA. (A)	PART NUMBER	USABLE LENGTH (B)	RPL HAIRPIN
1/2	**606100**	3-1/2	51866
5/8	**606101**	4-1/2	51869
5/8	**606102**	6	51869
3/4	**606103**	4-1/2	51869
3/4	**606104**	6	51869
7/8	**606105**	4-1/2	51869
7/8	**606106**	6	51869
1	**606107**	4-1/2	51869
1	**606108**	6	51869



TENSION LOCK HITCH PINS

Spring holds tension lock where you put it.

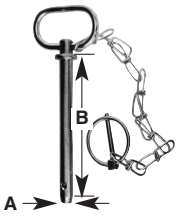
DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
3/8	**606150**	2-3/4	2
1/2	**606151**	3-1/2	2
5/8	**606152**	3-1/2	2
3/4	**606153**	3-1/2	2
3/4	**606154**	6	2
13/16	**606155**	6-1/4	2
7/8	**606156**	3-1/2	2
7/8	**606157**	6	2
1	**606158**	3-1/2	2
1	**606159**	6	2



LYNCH PIN HITCH PINS

- **Includes Lynch pin.**

DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
1/2	**606160**	4	2
1/2	**606161**	5-3/4	2
5/8	**606162**	4	2
5/8	**606163**	5-3/4	2
3/4	**606164**	4	2
3/4	**606165**	6-1/4	2
7/8	**606166**	7	2
1	**606167**	7	2



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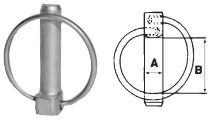
EQUIPMENT PINS, ROLLER CHAIN and CHAIN BREAKER

LYNCH PINS

- Forged for maximum strength - won't bend or break.
- Minimum yield strength 50,000 psi.
- Self locking ring allows the pin to be held securely in place.
- Ring provides easy grip for a quick removal.

Protected by LUSTERPLATE™ against rust & corrosion



STANDARD PINS

PIN DIA. (A)	USABLE LENGTH (B)	PART NO. W/O CHAIN	PART NO. W/CHAIN
3/16	1-1/4	**606120**	**606109**
1/4	1-1/4	**606121**	**606110**
5/16	1-1/4	**606123**	**606111**
7/16	1-3/8	**606122**	---
7/16	1-9/16	**606118**	---

Part No. 501601
150 pieces • 9 items
12051 steel tray

51794	51863	606121
51796	51866	606122
51857	51869	606123

Numbers in assortment

HEAVY SERIES ROLLER CHAIN

- Pre-lubricated.
- Meets ANSI specifications.
- Interchange with ANSI chains already in use.
- Packed 10 feet per box.

ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS
60H	**407131**	3/4	8500
80H	**407132**	1	14500
100H	**407133**	1-1/4	24000
120H	**407134**	1-1/2	34000

REPAIR LINKS

CONNECTING LINKS PART NUMBER	OFFSET LINKS PART NUMBER	QTY
407135	**407139**	2
407136	**407140**	2
407137	**407141**	2
407138	**407142**	1

DRIVE CHAIN

- Pre-lubricated.
- Meets ANSI specifications.
- Interchange with ANSI chains already in use.
- Packed 10 feet per box.

ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS
A2040	**407188**	1	3700
A2050	**407189**	1-1/4	6100
A2060	**407190**	1-1/2	8500

REPAIR LINKS

CONNECTING LINKS PART NUMBER	OFFSET LINKS PART NUMBER	QTY
407191	**407194**	5
407192	**407195**	5
407193	**407196**	5

CHAIN BREAKER

Disconnects any chain quickly & easily.

- Takes chains apart without the use of hammers or punches.

FOR CHAINS	PART NUMBER
# 25 TO # 60	**407122**
# 60 TO # 100	**407123**
# 120 TO # 160	**407121**

SINGLE STRAND, RIVETED ROLLER CHAIN

For chain driven power transmissions, snowmobiles, motorcycles, bicycles, go-carts, aqua-cats, home snowplows, printing presses, mining, industrial, farm and agricultural equipment.

- Heat treated steel pre-lubricated, longer lasting.
- Meets ANSI specifications. Interchangeable with chains in use.
- Packed 10 feet per box. Includes connecting link.

Protected by LUSTERPLATE™ against rust & corrosion

*Chain is rollerless. Dimension shown is bushing diameter.

ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS.
*35	**407101**	3/8	2300
41	**407127**	1/2	2400
40	**407102**	1/2	3800
50	**407103**	5/8	6600
60	**407104**	3/4	9400
80	**407105**	1	15400
100	**407100**	1-1/4	24000

ROLLER CHAIN REPAIR PARTS

- Offset links, for odd numbered pitches.
- Spring clip connecting links for No. 60 and smaller chain.
- Cotter pin connecting links for No. 80 and larger chain.

ANSI NO.	ROLLER LINK PART NUMBER	QTY	OFFSET LINK PART NUMBER	QTY	CONNECTING LINK PART NUMBER	QTY
*35	**407106**	12	**407111**	6	**407116**	12
41	**407128**	12	**407129**	6	**407130**	12
40	**407107**	12	**407112**	6	**407117**	12
50	**407108**	12	**407113**	6	**407118**	12
60	**407109**	12	**407114**	6	**407119**	12
80	**407110**	6	**407115**	3	**407120**	12
100	**407126**	3	**407124**	2	**407125**	6

Part No. 407002
63 pieces • 21 items
12017 steel tray

407106	407111	407116	407124	407130
407107	407112	407117	407125	
407108	407113	407118	407126	
407109	407114	407119	407128	
407110	407115	407120	407129	

Numbers in assortment

METRIC ROLLER CHAIN SEE SECTION A16.

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HOLLOW WALL ANCHORS

TOGGLE WINGS & BOLTS

Ideal for use in hollow walls, ceilings, plaster, tile, wood, concrete block, metal.

- Automatic spring-action toggles.
- Exclusive tensioning spring prevents loosening by vibration or shock.
- Round head fully threaded bolts.

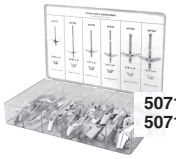
Protected by LUSTERPLATE™ against rust & corrosion

TOGGLE BOLTS

SIZE	DRILL SIZE	PART NUMBER	QTY
1/8 x 2	3/8	**507116**	50
1/8 x 3	3/8	**507101**	50
1/8 x 4	3/8	**507117**	50
3/16 x 3	1/2	**507102**	50
3/16 x 4	1/2	**507103**	40
3/16 x 6	1/2	**507104**	40
1/4 x 3	5/8	**507105**	40
1/4 x 4	5/8	**507106**	40
1/4 x 6	5/8	**507107**	30
3/8 x 4	7/8	**507108**	20
3/8 x 6	7/8	**507109**	20

TOGGLE WINGS ONLY

SIZE	PART NUMBER	QTY
1/8 (6-32)	**507110**	25
3/16 (10-24)	**507111**	25
1/4-20	**507112**	25
5/16-18	**507113**	10
3/8-16	**507114**	10
1/2-13	**507115**	5



Part No. 507001
45 pieces • 6 items
12042 plastic tray

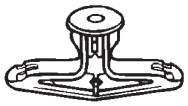
507102	507106	507108
507104	507107	507109

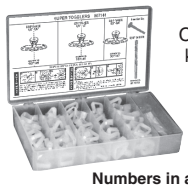
Numbers in assortment

SUPER TOGGLER® (TOGGLER™)

Used in drywall, wood, concrete, paneling, masonry, tile, and hollow doors.

PART NUMBER	GRIP RANGE (INCHES)	ACCEPTS SCREW SIZES	QTY
507145	1/8-1/4	6 to #14	50
507146	3/8-1/2	6 to #14	50
507147	5/8-3/4	6 to #14	50





Part No. 507144
Contains a 5/16" drill, keydriver & anchors.
79 pieces • 5 items
12047 plastic tray

507145	507147
507146	814319

Numbers in assortment

- Works almost anywhere.
- One piece assembly.
- Will not rust. Cannot overtighten.
- Use with wood or sheet metal screws.
- Screws can be removed without removing anchor.
- All sizes install in a 5/16" diameter hole.
- Can be installed with a screw gun.

WALL GRIPS

Securely fastens mirrors, pictures, cabinets, curtains, drapes, bathroom fixtures to hollow walls of plaster, wallboard gypsum or cinderblock.

SIZE (INCHES)	BODY (INCHES)	PART NUMBER	DRILL SIZE (INCHES)	WALL THICKNESS (INCHES)	QTY
1/8-XS	1/4	**507232**	5/16	0-1/4	25
1/8-S	1/4	**507226**	5/16	1/8-1/2	25
1/8-L	1/4	**507227**	5/16	5/8-7/8	25
3/16-S	3/8	**507228**	7/16	1/8-5/8	25
3/16-L	3/8	**507229**	7/16	5/8-1-1/4	25
1/4-S	7/16	**507230**	1/2	1/8-5/8	25
1/4-L	7/16	**507231**	1/2	5/8-1-1/4	25

Part No. 507225
25 pieces • 5 items
12034 plastic tray

507226	507229
507227	507230
507228	

Numbers in assortment

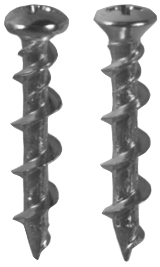
- Fixtures can be removed or replaced without disturbing the wall grip.

"WALL DOG"™ ANCHORS

The Wall-Dog™ is the industry's first all steel one-piece screw anchor, which features high-profile threads for easy fastening into wallboard and other masonry base materials. It is deep cutting and when removed the Wall-Dog leaves a much smaller hole than toggles or other systems. For fastening into wallboard or wood, no pre-drilling is required. Fastening into concrete, hollow or grout filled block, brick and plaster requires a pre-drilled 3/16"ANSI hole.

- Installs in wallboard, plywood, concrete, hollow or grout filled block, brick and plaster.
- Patented design provides for smooth entry, clean cutting and a powerful hold.
- Thread design prevents spinning and stripping.
- Heat treated point penetrates metal and wood studs.
- Two finished heads, oval & pan.
- Two colors, chrome and white head.
- Self-drills own small hole in 1/2" & 5/8" thick wallboard.
- Installs quickly and easily with a Phillips® screwdriver.
- Case hardened steel.
- 3/16" diameter x 1-1/4" long.
- Corkscrew like threads provide a smooth entry and powerful hold.

PART NUMBER OVAL HEAD	PAN HEAD	HEAD COLOR	QTY
507421	**507423**	Chrome	25
507422	**507424**	White	25



Part No. 507401
3/16" masonry drill bit
101 pieces • 5 items
12047 plastic tray

507421	507424
507422	813658
507423	

Numbers in assortment

MASTER GRIPS ASSORTMENT

Includes: both styles of Hollow Wall Grips.

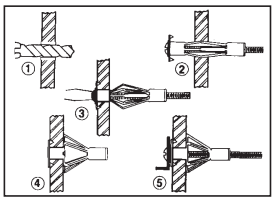
Part No. 501600
195 pieces • 9 items
12051 steel tray

507226	507229	507232
507227	507230	507236
507228	507231	507238

Numbers in assortment

DRIVE GRIPS

Securely fastens mirrors, pictures, cabinets, curtains, drapes, bathroom fixtures to hollow walls of plaster, wallboard gypsum or cinderblock.



- Fixtures can be removed or replaced without disturbing the wall grip.
- No pre-drilling.

SIZE (INCHES)	PART NUMBER	WALL THICKNESS (INCHES)	QTY
1/8-DS	**507236**	1/8 to 1/2	25
1/8-DL	**507238**	1/8 to 3/4	25

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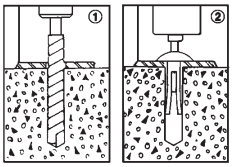
MASONRY ANCHORS

ZAMAC NAILIN

Use in concrete, block, brick or stone.



- **Body is made of Zinc (Zamac #7) with plated steel nail to resist corrosion.**
- **Tamperproof.**
- **One piece assembly.**
- **No layout or hole-spotting required.**
- **GSA Specification, FF-S-325, Group V, Type 2, Class 3.**
- **Mushroom Head.**

(PSS122618)

SIZE (INCHES)	PART NUMBER	DRILL SIZE (INCHES)	EMBED. DEPTH (INCHES)	QTY
1/4 x 1-1/4	**314101**	1/4	1-1/8	50
1/4 x 1-1/2	**314102**	1/4	1-3/8	50
1/4 x 2	**314103**	1/4	1-7/8	50

TAPCON® FASTENERS

The only masonry anchor that cuts into concrete, brick and cement block.

- **Blue Stalgard coating for rust protection.**
- **Replaces expansion anchors, powder-actuated fasteners, plugs and screws.**
- **Exceptional pull-out strength - as strong or stronger than any anchor its size.**
- **Two step operation: drill hole and drive the anchor; save time and money.**
- **Tapcon, anchors are reversible - easily removed to adjust for shimming or leveling.**

SLOTTED HEX

PHILLIPS FLAT

TAPCON® ANCHORS SUPERIOR DESIGN

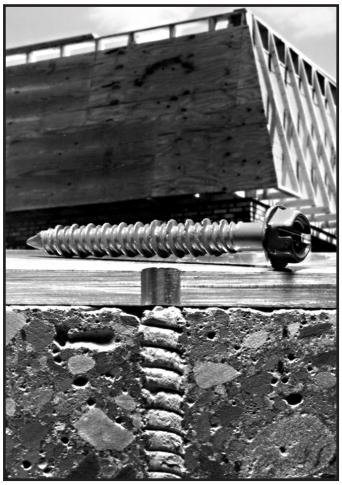
HEAD - Slotted hex waher head and Phillips flat head styles available.

THREADS - Specially notched high-low design taps threads into concrete. High threads cut deeply, easily into masonry. Low threads provide stability as anchor is driven.

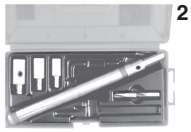
POINT - Guides the anchor directly into the pre-drilled hole. The nail design allows the fastener to drill into wood.

PART NUMBER SLOTTED HEX	QTY	PART NUMBER PHILLIPS FLAT	QTY	SIZE (INCHES)	DRILL SIZE (INCHES)	USE DRILL NO.*
507356	25	**507363**	25	3/16 x 1-1/4	5/32 x 3-1/2	**507375**
507357	25	**507364**	25	3/16 x 1-3/4	5/32 x 3-1/2	**507375**
507358	25	**507365**	25	3/16 x 2-1/4	5/32 x 4-1/2	**507376**
507359	25	**507366**	25	3/16 x 2-3/4	5/32 x 4-1/2	**507376**
507360	25	**507367**	25	3/16 x 3-1/4	5/32 x 5-1/2	**507377**
507361	25	**507368**	25	3/16 x 3-3/4	5/32 x 5-1/2	**507377**
507362	25	**507369**	25	3/16 x 4	5/32 x 5-1/2	**507377**
507336	25	**507340**	25	1/4 x 1-1/4	3/16 x 3-1/2	**507344**
507337	25	**507341**	25	1/4 x 1-3/4	3/16 x 3-1/2	**507344**
507338	25	**507342**	25	1/4 x 2-1/4	3/16 x 4-1/2	**507345**
507339	25	**507343**	25	1/4 x 2-3/4	3/16 x 4-1/2	**507345**
507371	25	**507372**	25	1/4 x 3-1/4	3/16 x 5-1/2	**507348**
507354	25	**507373**	25	1/4 x 3-3/4	3/16 x 5-1/2	**507348**
507355	25	**507374**	25	1/4 x 4	3/16 x 5-1/2	**507348**

***NOTE: To use Tapcon fasteners, you must pre-drill hole with special carbide tipped masonry drills listed above.**



ASSORTMENTS AVAILABLE!

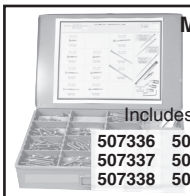


2 Step Installation Tool Kit
Part No. 507346
Drill the hole and drive the anchor with the same tool.

Master Assortment
Part No. 501580
230 pieces • 10 items
12051 steel tray

507336	**507338**	**507340**	**507342**	**507354**
507337	**507339**	**507341**	**507343**	**507355**

Numbers in assortment



Master Assortment w/ Tools
Part No. 501581
199 pieces • 14 items
12051 steel tray
Includes drills, screws and installation kit.

507336	**507339**	**507342**	**507345**	**507354**
507337	**507340**	**507343**	**507346**	**507355**
507338	**507341**	**507344**	**507348**	

Numbers in assortment

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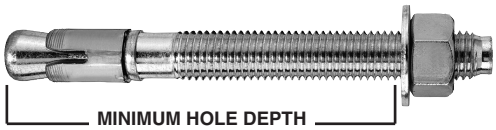
MASONRY ANCHORS

MAXI-STUD MASONRY ANCHORS

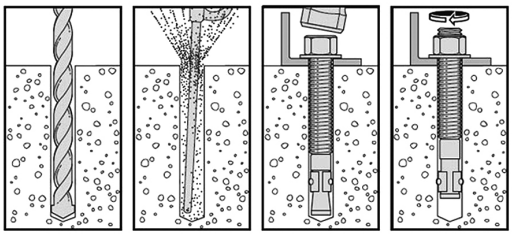
Developed for use where maximum holding power is required. (PSS040319)

- **Anchorage occurs at the bottom of the hole assuring a complete 360° contact.**
- **Special lance design provides non-rotational grip regardless of oversize hole conditions.**
- **Thread diameter = Hole diameter.**
- **No Hole-Spotting, No layout, No excessive hole drilling.**
- **Exclusive apertures instantly expand the stainless steel collar on first turn of the nut.**
- **Vibration proof holding power equal to the full value of the bolt or the concrete.**

PART NUMBER	SIZE	THREAD LENGTH	HOLE SIZE	MINIMUM DEPTH	QTY
51340	1/4 x 1-3/4	3/4	1/4	1-1/8	100
51341	1/4 x 2-1/4	3/4	1/4	1-1/8	100
51342	1/4 x 3-1/4	3/4	1/4	1-1/8	100
51343	3/8 x 2-1/4	7/8	3/8	1-5/8	50
51344	3/8 x 2-3/4	1-1/8	3/8	1-5/8	50
51345	3/8 x 3	1-1/8	3/8	1-5/8	50
51358	3/8 x 3-3/4	1-1/8	3/8	1-5/8	50
51346	3/8 x 5	1-1/8	3/8	1-5/8	50
51347	1/2 x 2-3/4	1-1/8	1/2	2-1/4	25
51348	1/2 x 3-3/4	1-1/4	1/2	2-1/4	25
51359	1/2 x 4-1/4	1-1/4	1/2	2-1/4	25
51349	1/2 x 5-1/2	1-1/4	1/2	2-1/4	25
51350	5/8 x 3-1/2	1-1/2	5/8	2-3/4	20
51351	5/8 x 4-1/2	1-1/2	5/8	2-3/4	20
51360	5/8 x 5	1-1/2	5/8	2-3/4	20
51352	5/8 x 6	1-1/2	5/8	2-3/4	20
51353	5/8 x 8-1/2	1-1/2	5/8	2-3/4	20
51354	3/4 x 4-1/4	1-1/2	3/4	3-1/4	10
51355	3/4 x 5-1/2	1-1/2	3/4	3-1/4	10
51356	3/4 x 7	1-1/2	3/4	3-1/4	10
51357	3/4 x 8-1/2	1-1/2	3/4	3-1/4	10



INSTALLATION SEQUENCE



1. Drill hole same size diameter as Maxi-Stud thru fixture.
2. Tap Maxi-Stud into hole.
3. Tighten to achieve most efficient anchorage.

TECHNICAL INFORMATION

AVERAGE PULLOUT & SHEAR STRENGTH MEASUREMENTS					
RECOMMENDED SAFE WORKING LOADS IN 3500 PSI CONCRETE			RECOMMENDED SAFE WORKING LOADS IN 2000 PSI CONCRETE		ULTIMATE AVERAGE HOLDING POWER IN 5000 PSI CONCRETE
DIA	TENSION	SHEAR	TENSION	SHEAR	TENSION
1/4”	695	460	235	325	2800
3/8”	960	1215	800	850	5100
1/2”	1710	2335	950	1875	7500
5/8”	2150	3500	1550	3000	9500
3/4”	3375	5250	2100	4175	14000

TITEN™ HEAVY DUTY THREADED ANCHORS

The Cutting Edge In Anchors

Used in concrete, grout filled concrete block, and solid block.

- **Cut removal hassles: Easy to remove, ideal for temporary anchoring.**
- **Cut inspection hassles: No need to verify setting or installation torque, anchor is head-stamped with length for easy inspection.**
- **Higher load capacity & vibration resistance: Threads along the length of the anchor transfer the load to the base material. Ratchet teeth on the bottom of the hex-washer head keep the anchor from loosening in vibratory conditions.**
- **Specialized heat treating process: Creates superior surface hardness at the tip to facilitate cutting, while at the same time not compromising ductility within the anchor body.**
- **Less spacing and edge distance required: The anchor does not exert expansion forces on the base material.**
- **Easy post-installation inspection: The head is stamped with the manufacturers “≠” sign and the anchor length in inches.**
- **Installs with 50% less torque: Testing shows that when compared with a major competitor, the Titen HD requires 50% less torque to be installed in concrete. The serrated teeth on the lead threads facilitate cutting, allowing the remainder of the threads to follow with very little friction. This enables the user to install the anchor using wrenches or cordless tools.**
- **Hex washer head: Requires no separate washer and provides a clean installed appearance.**
- **Removable: Ideal for temporary anchoring (e.g. formwork, bracing) or applications where fixtures may need to be moved. Re-use of the anchor to achieve listed load values is not recommended.**
- **Made from carbon steel zinc plated.**
- **Recommended for use in dry interior applications.**
- **Ideal for anchoring racking, conveyers, and dock bumpers.**
- **Cut installation time: Drive it and you’re done. No setting or torquing required.**
- **Cut drill bit inventory: Requires NO SPECIAL DRILL BITS. Installs in standard sized holes.**
- **Cut down on tools: Just a socket or impact wrench is all you need for installation once the hole is drilled.**

PART NUMBER	SIZE DIA. & LENGTH (INCHES)	DRILL BIT DIA.	WRENCH SIZE	QTY
507451	3/8 x 2-1/2*	3/8	9/16	10
507452	3/8 x 3	3/8	9/16	10
507453	3/8 x 4	3/8	9/16	10
507456	1/2 x 3	1/2	3/4	10
507457	1/2 x 4	1/2	3/4	10
507458	1/2 x 5	1/2	3/4	10
507459	1/2 x 6	1/2	3/4	10
507461	5/8 x 4	5/8	15/16	10
507462	5/8 x 5	5/8	15/16	10
507463	5/8 x 6	5/8	15/16	10

*** To be discontinued when stock is depleted.**

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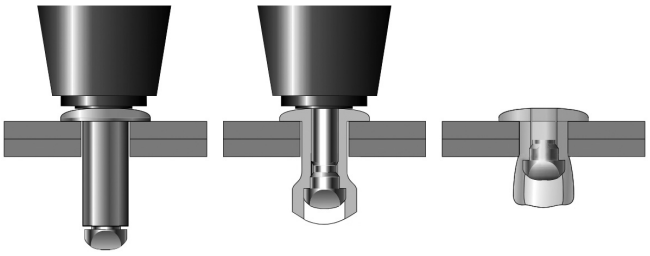
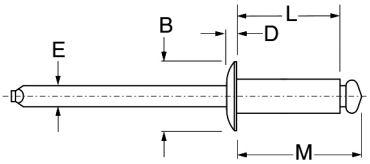
RIVETS

Pop® OPEN END BLIND RIVETS

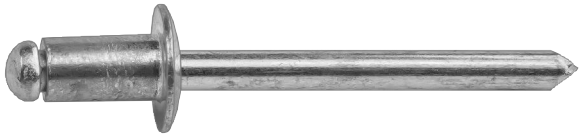
Open End Rivets are a non-structural blind breakstem rivet designed for a wide range of applications. Available in a variety of materials and combinations.

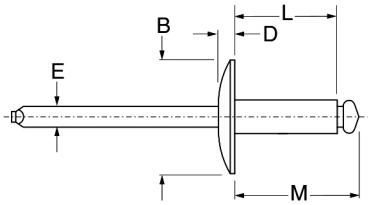
- Cost effective standard rivet.
- Installed quickly and easily.
- Design of the stem head ensures positive retention after installation.



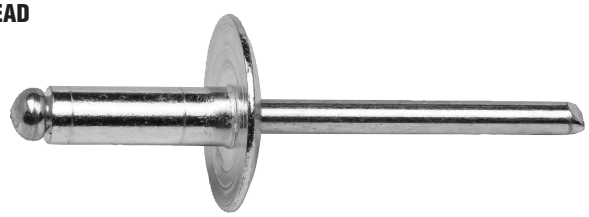


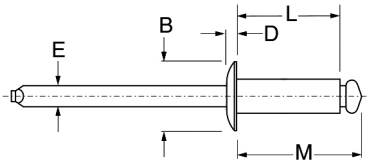
DOME HEAD





LARGE FLANGE HEAD





COUNTERSUNK HEAD

5056 ALUMINUM BODY / STEEL MANDREL – DOMED HEAD – Finish: Plain / Protective Coating

PART NUMBER	D BODY DIA.	HOLE SIZE & DRILL NO.	GRIP RANGE INCHES	L LENGTH	H HEAD DIA.	E HEAD HEIGHT	SHEAR STRENGTH (LBS)	TENSILE STRENGTH (LBS)
AD32BS	.094 (3/32)	.097 - .100 #41	.031 - .125	.240	.188	.032	125	175
AD34BS	.094 (3/32)	.097 - .100 #41	.126 - .250	.365	.188	.032	125	175
AD41BS	.125 (1/8)	.129 - .133 #30	.031 - .060	.203	.250	.040	210	325
AD42BS	.125 (1/8)	.129 - .133 #30	.063 - .125	.265	.250	.040	210	325
AD43BS	.125 (1/8)	.129 - .133 #30	.126 - .187	.328	.250	.040	210	325
AD44BS	.125 (1/8)	.129 - .133 #30	.187 - .250	.390	.250	.040	210	325
AD45BS	.125 (1/8)	.129 - .133 #30	.251 - .312	.453	.250	.040	210	325
AD46BS	.125 (1/8)	.129 - .133 #30	.313 - .375	.515	.250	.040	210	325
AD48BS	.125 (1/8)	.129 - .133 #30	.376 - .500	.640	.250	.040	210	325
AD410BS	.125 (1/8)	.129 - .133 #30	.501 - .625	.765	.250	.040	210	325
AD52BS	.156 (5/32)	.160 - .164 #20	.063 - .125	.290	.312	.047	340	490
AD53BS	.156 (5/32)	.160 - .164 #20	.126 - .187	.353	.312	.047	340	490
AD54BS	.156 (5/32)	.160 - .164 #20	.188 - .250	.415	.312	.047	340	490
AD56BS	.156 (5/32)	.160 - .164 #20	.251 - .375	.540	.312	.047	340	490
AD58BS	.156 (5/32)	.160 - .164 #20	.376 - .500	.665	.312	.047	340	490
AD62BS	.187 (3/16)	.192 - .196 #11	.063 - .125	.315	.375	.055	445	720
AD64BS	.187 (3/16)	.192 - .196 #11	.126 - .250	.440	.375	.055	445	720
AD66BS	.187 (3/16)	.192 - .196 #11	.251 - .375	.565	.375	.055	445	720
AD68BS	.187 (3/16)	.192 - .196 #11	.376 - .500	.690	.375	.055	445	720
AD610BS	.187 (3/16)	.192 - .196 #11	.501 - .625	.815	.375	.055	445	720
AD612BS	.187 (3/16)	.192 - .196 #11	.626 - .750	.940	.375	.055	445	720
AD614BS	.187 (3/16)	.192 - .196 #11	.751 - .875	1.065	.375	.055	445	720
AD616BS	.187 (3/16)	.192 - .196 #11	.876 - 1.000	1.190	.375	.055	445	720
AD84BS	.250 (1/4)	.257 - .261 #F	.063 - .250	.490	.500	.073	890	1200
AD86BS	.250 (1/4)	.257 - .261 #F	.251 - .375	.615	.500	.073	890	1200
AD88BS	.250 (1/4)	.257 - .261 #F	.376 - .500	.740	.500	.073	890	1200
AD810BS	.250 (1/4)	.257 - .261 #F	.501 - .625	.865	.500	.073	890	1200
AD812BS	.250 (1/4)	.257 - .261 #F	.626 - .750	.990	.500	.073	890	1200
AD816BS	.250 (1/4)	.257 - .261 #F	.751 - 1.000	1.240	.500	.073	890	1200

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Pop® OPEN END BLIND RIVETS (Cont'd)

5056 ALUMINUM BODY / STEEL MANDREL – LARGE FLANGE – Finish: Plain / Protective Coating

PART NUMBER	D BODY DIA.	HOLE SIZE & DRILL NO.	GRIP RANGE INCHES	L LENGTH	H HEAD DIA.	E HEAD HEIGHT	SHEAR STRENGTH (LBS)	TENSILE STRENGTH (LBS)
AD42BSLF	.125 (1/8)	.129 - .133 #30	.031 - .125	.265	.375	.045	210	325
AD43BSLF	.125 (1/8)	.129 - .133 #30	.126 - .187	.328	.375	.045	210	325
AD44BSLF	.125 (1/8)	.129 - .133 #30	.188 - .250	.390	.375	.045	210	325
AD54BSLF	.156 (5/32)	.160 - .164 #20	.126 - .250	.415	.468	.056	340	490
AD64BSLF	.187 (3/16)	.192 - .196 #11	.126 - .250	.440	.625	.083	445	720
AD66BSLF	.187 (3/16)	.192 - .196 #11	.251 - .375	.565	.625	.083	445	720
AD68BSLF	.187 (3/16)	.192 - .196 #11	.376 - .500	.690	.625	.083	445	720
AD610BSLF	.187 (3/16)	.192 - .196 #11	.501 - .625	.815	.625	.083	445	720
AD612BSLF	.187 (3/16)	.192 - .196 #11	.626 - .750	.940	.625	.093	445	720
AD616BSLF	.187 (3/16)	.192 - .196 #11	.751 - 1.000	1.190	.625	.093	445	720

5056 ALUMINUM BODY / STEEL MANDREL – 120° COUNTERSUNK – Finish: Plain / Protective Coating

PART NUMBER	D BODY DIA.	HOLE SIZE & DRILL NO.	GRIP RANGE INCHES	L LENGTH	H HEAD DIA.	E HEAD HEIGHT	SHEAR STRENGTH (LBS)	TENSILE STRENGTH (LBS)
AK42BS	.125 (1/8)	.129 - .133 #30	.063 - .125	.265	.220	.035	210	325
AK43BS	.125 (1/8)	.129 - .133 #30	.126 - .187	.328	.220	.035	210	325
AK44BS	.125 (1/8)	.129 - .133 #30	.188 - .250	.390	.220	.035	210	325
AK45BS	.125 (1/8)	.129 - .133 #30	.251 - .312	.453	.220	.035	210	325
AK54BS	.156 (5/32)	.160 - .164 #20	.188 - .250	.415	.281	.045	340	490
AK56BS	.156 (5/32)	.160 - .164 #20	.251 - .375	.540	.281	.045	340	490
AK64BS	.187 (3/16)	.192 - .196 #11	.126 - .250	.440	.348	.055	445	720

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