

GRADE 5 HEX HEAD CAP SCREWS BARE BOULONS HEX CLASSE 5 NUS

073
UNC
Coarse

074
UNF
Fine

- Made to S.A.E. J429 specifications.
- Medium carbon Steel.
- Double heat treated.
- Bare Metal.



Papco® Grade 5 Cap Screws, identified by the three radial bar head marking, are made of medium carbon steel, quenched and tempered for higher tensile strength and holding power. Tensile strength: up to 1" Dia.-120,000 p.s.i. (min.) 1-1/8" Dia. up-105,000 p.s.i. (min.)

ORDER BY STOCK NUMBER

Example of Stock No. 073-586 is 1/2 x 2 Coarse Thread Grade 5 Cap Screw Bare Metal.

UNC Coarse Thread, add prefix 073

UNF fine thread, add prefix 074

Threads per inch	UNC	20	18	16	14	13	12	11	10	9	8	7	7	6	
	UNF	28	24	24	20	20	18	18	16	14	14	12	12	12	
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		
1/2	-305	-440	-485	-	-	-	-	-	-	-	-	-	-	-	
3/4	-307	-442	-487	-532	-	-	-	-	-	-	-	-	-	-	
1	-309	-444	-489	-534	-579	-623	-668	-	-	-	-	-	-	-	
1-1/4	-311	-446	-491	-536	-581	-625	-670	-	-	-	-	-	-	-	
1-1/2	-313	-448	-493	-538	-583	-627	-672	-714	-	-	-	-	-	-	
1-3/4	-315	-450	-495	-540	-585	-629	-674	-716	-761	-802	-	-	-	-	
2	-316	-451	-496	-541	-586	-630	-675	-717	-762	-803	-	-	-	-	
2-1/4	-317	-452	-497	-542	-587	-631	-676	-718	-763	-804	-	-	-	-	
2-1/2	-318	-453	-498	-543	-588	-632	-677	-719	-764	-805	-845	-885	-	-	
2-3/4	-319	-454	-499	-544	-589	-633	-678	-720	-765	-806	-846	-886	-	-	
3	-320	-455	-500	-545	-590	-634	-679	-721	-766	-807	-847	-887	-	-	
3-1/2	-322	-457	-502	-547	-592	-636	-681	-723	-768	-809*	-849	-889	-	-	
4	-324	-459	-504	-549	-594	-638	-683	-725	-770	-811*	-851	-891	-961	-	
4-1/2	-325	-460	-505	-550	-595	-639	-684	-726	-771	-812*	-852	-892	-962	-	
5	-326	-461	-506*	-551	-596	-640	-685	-727	-772	-813*	-853	-893	-963	-	
5-1/2	-327	-462	-507*	-552	-597	-641	-686	-728	-773*	-814*	-854	-894	-964	-	
6	-329	-464	-509*	-554	-599*	-643	-688	-730	-775*	-816*	-856	-896	-966	-	
7	-	-	-	-	-601*	-	-690	-732	-777*	-818*	-858	-898	-968	-	
8	-	-	-	-	-603*	-	-692	-734	-779*	-820*	-860	-900	-970	-	
Head Width Across Flats	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1-1/8	1-5/16	1-1/2	1-11/16	1-7/8	2-1/4		
Head Height	5/32	13/64	15/64	9/32	5/16	23/64	25/64	15/32	35/64	39/64	11/16	25/32	15/16		
Standard Package	100	100	100	50*	50	50	25*	25	25	20	20	10*	20	10*	As Required

GRADE 5 HEX NUTS BARE ÉCROUS HEX CLASSE 5 NUS

085
UNC
Coarse

086
UNF
Fine

- Made to Standard Finished Hexagon Nut dimensions.
- Bare Metal.



Stock No.	Diameter	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
		UNC Coarse	085-014	085-016	085-018	085-020	085-022	085-023	085-024	085-026	085-028
	UNF Fine	086-014	086-016	086-018	086-020	086-022	086-023	086-024	086-026	086-028	086-030
	Standard Package	100	100	100	50	50	25	25	20	20	20

For Grade 2 Plated and Bare Hex Nuts see page 63.

GRADE 2 HEX HEAD CAP SCREWS PLATED BOULONS HEX CLASSE 2 PLAQUÉS

071
UNC
Plated

Papco® Grade 2 Cap Screws are made from low carbon steel and have no head bar markings. Tensile strength: up to 5/8" Dia.-64,000 p.s.i. (min.) 3/4" Dia. up-55,000 p.s.i. (min.)



ORDER BY STOCK NUMBER

UNC Coarse Thread Zinc Plated, add prefix 071.

Example of Stock No. 071-586 is 1/2 x 2 Coarse Thread Grade 2 Cap Screw Zinc Plated.

NOTE: BOLT STRENGTH IS INDICATED BY HEAD MARKING. DO NOT REPLACE WITH A LOWER GRADE THAN THE ORIGINAL.

PLATED GRADE 5 HEX HEAD CAP SCREWS BOULONS HEX CLASSE 5 PLAQUÉS

075
UNC
Coarse

076
UNF
Fine

- Made to S.A.E. J429 specifications.
- Medium carbon Steel.
- Double heat treated.
- Bright Electroplated with Chromate Finish.



Papco® Plated Grade 5 Cap Screws are identified by the three radial bar head marking and are made of medium carbon steel, quenched and tempered for higher Tensile strength and holding power. Bright Electroplated with Chromate finish to resist rust. Tensile strength: up to 1" Dia.-120,000 p.s.i. (min.) 1-1/8" Dia. up-105,000 p.s.i. (min.)

ORDER BY STOCK NUMBER

Example of Stock No. 075-586 is 1/2 x 2 Coarse Thread Plated Grade 5 Cap Screw.

UNC Coarse Thread Plated, add prefix 075

UNF Fine Thread Plated, add prefix 076

Threads per inch	UNC	20	18	16	14	13	12	11	10	9	8	7
	UNF	28	24	24	20	20	18	18	16	14	14	12
Diameter	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/4	
1/2	-305	-440	-	-	-	-	-	-	-	-	-	-
3/4	-307	-442	-487	-532	-	-	-	-	-	-	-	-
1	-309	-444	-489	-534	-579	-623	-668	-	-	-	-	-
1-1/4	-311	-446	-491	-536	-581	-625	-670	-	-	-	-	-
1-1/2	-313	-448	-493	-538	-583	-627	-672	-714	-	-	-	-
1-3/4	-315	-450	-495	-540	-585	-	-674	-716	-761	-802	-	-
2	-316	-451	-496	-541	-586	-630	-675	-717	-762	-803	-	-
2-1/4	-317	-452	-497	-	-587	-	-676	-718	-763	-804	-	-
2-1/2	-318	-453	-498	-543	-588	-632	-677	-719	-764	-805	-885	-
3	-320	-455	-500	-545	-590	-634	-679	-721	-766	-807	-887	-
3-1/2	-322	-457	-502	-547	-592	-	-681	-723	-768	-809*	-889	-
4	-324	-459	-504	-549	-594	-	-683	-725	-770	-811*	-891	-
4-1/2	-325	-460	-505	-	-595	-	-684	-726	-771	-812*	-892	-
5	-326	-461	-506*	-	-596	-	-685	-727	-772	-813*	-893	-
5-1/2	-	-	-	-	-597	-	-686	-728	-773*	-814*	-894	-
6	-	-	-509*	-554	-599*	-	-688	-730	-775*	-816*	-896	-
Head Width Across Flats	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1-1/8	1-5/16	1-1/2	1-7/8	
Head Height	5/32	13/64	15/64	9/32	5/16	23/64	25/64	15/32	35/64	39/64	25/32	
Standard Package	100	100	100 50*	50	20 25*	25	25	20	20 10*	20 10*	As Required	

PLATED GRADE 5 HEX NUTS ÉCROUS HEX CLASSE 5 PLAQUÉS

087
UNC
Coarse

088
UNF
Fine

- Made to Standard Finished Hexagon Nut dimensions.
- Bright Electroplated with Chromate Finish.



Stock No.	Diameter	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
		UNC Coarse	087-014	087-016	087-018	087-020	087-022	087-023	087-024	087-026	087-028
	UNF Fine	088-014	088-016	088-018	088-020	088-022	088-023	088-024	088-026	088-028	088-030
	Standard Package	100	100	100	50	50	25	25	20	20	20

PLATED BULK FASTENERS ATTACHES EN VRAC PLAQUÉS

- 1/8 keg - 25 lbs. (maximum).
- Bright Electroplated with chromate finish.

Papco® Plated Grade 5 Cap Screws, Hex Nuts, Washers, Carriage Bolts, Lag Bolts and Screw Products series No. 845.

Refer to the current jobber or dealer price books for bulk quantities and sizes.



CAP SCREWS AND NUT UTILITY ASSORTMENTS ASSORTIMENTS UTILITAIRES DE BOULONS HEX ET ÉCROUS

Plated Grade 5 Cap Screws and Nuts. Dimensions and retail codes shown on lid.

No. 020-326

Contains 105 Fine Thread Screws in sizes from 1/4" x 3/4" to 1/2" x 1"-1/2".



No. 020-327

Contains 105 Coarse Thread Screws in sizes from 1/4" x 3/4" to 1/2" x 1-1/2".



No. 020-347

Contains 133 Hexagon Nuts in Fine, and Coarse sizes from 1/4" to 1/2" Dia.



CAP SCREWS AND NUT MASTER ASSORTMENTS ASSORTIMENTS GÉNÉRAUX DE BOULONS HEX ET ÉCROUS



Packed in metal, sectional divided box with moulded plastic compartments. The hinged, safety-lock lid may be closed and carried to the job. Contains the most popular sizes of Plated Grade 5 Cap Screws.

No. 020-622

Contains 20 best sizes of Plated Grade 5 Screws, Nuts, Washers, Stove Bolts and Cotter Pins.
UNC Cap Screws — 1/4" x 3/4" ; 1/4" x 1" ; 5/16" x 3/4" ; 5/16" x 1" ; 3/8" x 1" ; 3/8" x 1-1/2".
UNC Nuts — 1/4"; 5/16"; 3/8". **Lock Washers** — 1/4"; 5/16"; 3/8".
S.A.E Washers — 1/4"; 5/16"; 3/8". **Cotter Pins** — 3/32" x 1"; 1/8" x 2".
Stove Bolts — 3/16" x 1"; 1/4" x 3/4"; 1/4" x 1".

Have all the MOST USED sizes of Fasteners available when you need them.

No. 020-646

Contains 208 Plated Grade 5, UNF Fine Thread Cap Screws — 20 sizes.



No. 020-647

Contains 208 Plated Grade 5, UNC Coarse Thread Cap Screws — 20 sizes.



No. 020-648

Contains 376 Plated Hex Nuts, Coarse, Fine and Conelok — 18 sizes.

COMPARATIVE STRENGTH OF CAP SCREWS FORCE COMPARATIVE DE BOULONS HEX

Minimum Tensile Strength p.s.i. (pounds per sq. inch)	S.A.E. Grades 2, 5, and 8	I.S.O. Metric Property Classes	Minimum Tensile Strength MPa (megapascals)
180,000		12.9 Class 12.9	1220
170,000	Grade 8	10.9 Class 10.9	1040
150,000	Grade 5	9.8 Class 9.8	900
140,000		8.8 Class 8.8	830
130,000	Grade 2	5.8 Class 5.8	520
120,000			
110,000			
100,000			
90,000			
80,000			
70,000			
60,000			
50,000			
	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, 1-3/8, 1-1/2	M5 — M16 — M24 — M36	
	Diameter (inches)	Diameter (millimetres)	

GRADE 8 HEX HEAD CAP SCREWS PLATED OR BARE BOULONS HEX CLASSE 8 PLAQUÉS OU NUS

077 Coarse Bare	078 Fine Bare	079 Coarse Plated	080 Fine Plated
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Yellow Zinc plated image

- Made to S.A.E. J429 specifications.
- Medium Carbon Alloy Steel.
- Gold Zinc Dichromate plated or Bare Metal.
- Six Radial Bars.
- Double heat treated.

Papco® Grade 8 Cap Screws, identified by the six radial bar head marking, are made of medium carbon alloy steel, quenched and tempered for stronger, safer, more reliable mechanical joints. Use with Grade 8 Nuts to develop the full strength of the Cap Screw. Tensile strength: 150,000 p.s.i. (min.)

ORDER BY STOCK NUMBER

Example of Stock No. 079-586 is 1/2" x 2 Coarse Thread Plated Grade 8 Cap Screw.

Plated UNC Coarse Thread, add prefix 079

Plated UNF Fine Thread, add prefix 080

Threads per inch	UNC	20	18	16	14	13	11	10	9	8	7			
	UNF	28	24	24	20	20	18	16	14	14	12			
Diameter	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4				
1/2	-305	-440	-	-	-	-	-	-	-	-	-			
3/4	-307	-442	-487	-	-	-	-	-	-	-	-			
1	-309	-444	-489	-534	-579	-668	-	-	-	-	-			
1-1/4	-311	-446	-491	-536	-581	-	-	-	-	-	-			
1-1/2	-313	-448	-493	-538	-583	-672	-714	-	-	-	-			
1-3/4	-315	-450	-495	-	-585	-674	-	-	-	-	-			
2	-316	-451	-496	-541	-586	-675	-717	-762	-803	-	-			
2-1/4	-317	-452	-497	-	-587	-676	-	-	-	-	-			
2-1/2	-318	-453	-498	-543	-588	-677	-719	-764	-805	-	-			
3	-320	-455	-500	-545	-590	-679	-721	-766	-807	-887	-			
3-1/2	-322	-457	-502	-547	-592	-681	-723	-768	-809*	-	-			
4	-324	-459	-504	-549	-594	-683	-725	-770	-811*	-891	-			
4-1/2	-	-	-	-550	-595	-684	-726	-	-	-	-			
5	-326	-461	-506*	-551	-596	-685	-727	-772	-813*	-893	-			
6	-329	-464	-509*	-554	-599*	-688	-730	-775*	-816*	-896	-			
7	-	-	-	-	-	-690	-732	-777*	-818*	-	-			
8	-	-	-	-	-	-692	-734	-779*	-820*	-900	-			
Head Width Across Flats	7/16	1/2	9/16	5/8	3/4	15/16	1-1/8	1-5/16	1-1/2	1-7/8				
Head Height	5/32	13/64	15/64	9/32	5/16	25/64	15/32	35/64	39/64	25/32				
Standard Package	100	100	100	50*	50	50	25*	25	20	20	10*	20	10*	As Required

GRADE 8 HEX NUTS PLATED OR BARE ÉCROUS HEX CLASSE 8 PLAQUÉS OU NUS

089 Coarse Bare	090 Fine Bare	091 Coarse Plated	092 Fine Plated
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- Made to standard finished Hexagon Nut dimensions.
- Gold Zinc Dichromate plated or Bare Metal.



Yellow Zinc plated image

ORDER BY STOCK NUMBER

Diameter	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Stock No.	-014	-016	-018	-020	-022	-024	-026	-028	-030
Across Flats	7/16	1/2	9/16	11/16	3/4	15/16	1-1/8	1-5/16	1-1/2
Standard Package	100	100	100	50	50	25	20	20	20

For Grade 8 Flat Washers see 101 Series Tension Washers - Lock Washers see 101 Series Extra Duty Lock Washers, pages 63 & 94.

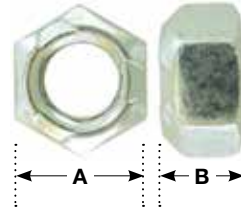
GRADE B 'CONELOCK' LOCKNUTS ÉCROUS À BLOCAGE 'CONELOCK' CLASSE B

061
UNC
Coarse

062
UNF
Fine

Low Carbon Steel

- Proof Stress: 120,000 psi.
- Grade B identified by **three marks.**



The Cone Lok Locknut is an improved ONE-PIECE-REUSABLE-PREVAILING TORQUE locknut of superior locking characteristics which are obtained by accurately modifying the threads in the locking section.

Grade B Cone Lok Locknuts are all steel one piece construction. Lock in any position - are strong, shock-proof and vibration-proof. Easily installed and reusable - starts freely and then requires wrenching as the out-of-round gripping threads engage the bolt. Cadmium plated to resist rust and wax coated to ensure a uniform clamping force.

ORDER BY STOCK NUMBER

UNC - Coarse Thread		Width 'A' x Thickness 'B'	Standard Package
Stock No.	Bolt Diameter Inches		
061-514	1/4-20	7/16 x .257	100
061-516	5/16-18	1/2 x .302	100
061-518	3/8-16	9/16 x .377	100
061-520	7/16-14	11/16 x .430	50
061-522	1/2-13	3/4 x .510	50
061-523	9/16-12	7/8 x .555	25
061-524	5/8-11	15/16 x .645	25
061-526	3/4-10	1-1/8 x .750	20
061-528	7/8-9	1-5/16 x .862	20
061-530	1-8	1-1/2 x .958	20

Used with Grade 2 or Grade 5 Bolts.

UNF - Fine Thread		Width 'A' x Thickness 'B'	Standard Package
Stock No.	Bolt Diameter Inches		
062-514	1/4-28	7/16 x .257	100
062-516	5/16-24	1/2 x .302	100
062-518	3/8-24	9/16 x .377	100
062-520	7/16-20	11/16 x .430	50
062-522	1/2-20	3/4 x .510	50
062-523	9/16-18	7/8 x .555	25
062-524	5/8-18	15/16 x .645	25
062-526	3/4-16	1-1/8 x .750	20
062-528	7/8-14	1-5/16 x .862	20
062-530	1-14	1-1/2 x .958	20

Used with Grade 2 or Grade 5 Bolts.

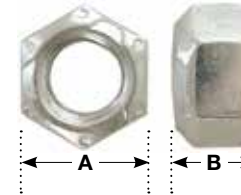
GRADE C 'CONELOCK' LOCKNUTS ÉCROUS À BLOCAGE 'CONELOCK' CLASSE C

063
UNC
Coarse

064
UNF
Fine

Medium Carbon Steel, Heat Treated

- Proof Stress: 150,000 psi.
- Grade 'C' identified by **six marks.**



Grade 'C' Heat Treated High-strength Cone Lok Locknuts are made for **critical applications**, used with heat treated high carbon and alloy steel bolts including S.A.E. Grade 8. The Cadmium finish resists rust and the pre-lubricant wax coating produces a uniform clamping force.

Two sectors of the Cone Lok Locknut are preformed inwardly. When the nut is applied to the bolt, these deflected threads are elastically returned to a circular form and create an inward and downward pressure which produces intimate contact between the load carrying flanks of the nut and bolt threads. The Cone Lok nut starts freely and then requires wrenching as the out-of-round gripping threads engage the bolt. The prevailing torque enables the stop nut to remain in a fixed position through a wide adjustment range and it retains its locking ability through many reuses.

ORDER BY STOCK NUMBER

UNC - Coarse Thread		Width 'A' x Thickness 'B'	Standard Package
Stock No.	Bolt Diameter Inches		
063-514	1/4-20	7/16 x .257	100
063-516	5/16-18	1/2 x .302	100
063-518	3/8-16	9/16 x .377	100
063-520	7/16-14	11/16 x .430	50
063-522	1/2-13	3/4 x .510	50
063-523	9/16-12	7/8 x .555	25
063-524	5/8-11	15/16 x .645	25
063-526	3/4-10	1-1/8 x .750	20
063-528	7/8-9	1-5/16 x .862	20
063-530	1-8	1-1/2 x .958	20

Used with Grade 5 or Grade 8 Bolts.

UNF - Fine Thread		Width 'A' x Thickness 'B'	Standard Package
Stock No.	Bolt Diameter Inches		
064-514	1/4-28	7/16 x .257	100
064-516	5/16-24	1/2 x .302	100
064-518	3/8-24	9/16 x .377	100
064-520	7/16-20	11/16 x .430	50
064-522	1/2-20	3/4 x .510	50
064-523	9/16-18	7/8 x .555	25
064-524	5/8-18	15/16 x .645	25
064-526	3/4-16	1-1/8 x .750	20
064-528	7/8-14	1-5/16 x .862	20
064-530	1-14	1-1/2 x .958	20

Used with Grade 5 or Grade 8 Bolts.

UTILITY ASSORTMENTS



These Assortments contain 90 lock nuts from 1/4" to 1/2" Dia. The container is sectionally divided for ease of selection.

No. 020-348

Fine Thread (UNF)
Cone Lok Locknuts.

No. 020-349

Coarse Thread (UNC)
Cone Lok Locknuts.



GRADE 2 HEX NUTS BARE ÉCROUS HEX CLASSE 2 NUS

081
UNC
Coarse

082
UNF
Fine

- Finished
- Bare Metal



UNC Coarse	UNF Fine	Size	Standard Package	Width Across Flats	Thickness
Stock No.					
081-014	082-014	1/4	100	7/16	7/32
081-016	082-016	5/16	100	1/2	17/64
081-018	082-018	3/8	100	9/16	21/64
081-020	082-020	7/16	50	11/16	3/8
081-022	082-022	1/2	50	3/4	7/16
081-023	082-023	9/16	25	7/8	31/64
081-024	082-024	5/8	25	15/16	35/64
081-026	082-026	3/4	20	1-1/8	41/64
081-028	082-028	7/8	20	1-5/16	3/4
081-030	082-030	1	20	1-1/2	55/64
081-032	082-032	1-1/8	15	1-11/16	31/32
081-034	082-034	1-1/4	15	1-7/8	1-1/16
081-037	082-037	1-3/8	10	2-1/16	1-11/64
081-038	082-038	1-1/2	10	2-1/4	1-9/32

PLATED GRADE 2 HEX NUTS ÉCROUS HEX CLASSE 2 PLAQUÉS

083
UNC
Coarse

084
UNF
Fine

- Finished
- Bright Plated



UNC Coarse	UNF Fine	Size	Standard Package	Width Across Flats	Thickness
Stock No.					
083-014	084-014	1/4	100	7/16	7/32
083-016	084-016	5/16	100	1/2	17/64
083-018	084-018	3/8	100	9/16	21/64
083-020	084-020	7/16	50	11/16	3/8
083-022	084-022	1/2	50	3/4	7/16
083-023	084-023	9/16	25	7/8	31/64
083-024	084-024	5/8	25	15/16	35/64
083-026	084-026	3/4	20	1-1/8	41/64
083-028	084-028	7/8	20	1-5/16	3/4
083-030	084-030	1	20	1-1/2	55/64

094
Series

UNC HEAVY HEX NUTS* BARE ÉCROUS LOURDS HEX UNC NUS



* Jam Nuts also available in sizes listed.

Note: These Nuts conform to ANSI Standard B18.2.2.
Nuts with Left Hand Threads are also available.

Stock No.	094-014	094-016	094-018	094-020	094-022	094-023	094-024	094-026	094-028	094-030	094-032	094-034	094-037	094-038
Nut Size & Thread	1/4-20	5/16-18	3/8-16	7/16-14	1/2-13	9/16-12	5/8-11	3/4-10	7/8-9	1-8	1-1/8-7	1-1/4-7	1-3/8-6	1-1/2-6
Std. Pkg.	100	100	100	50	50	25	25	20	20	20	15	15	10	10
Width (Flats)	1/2	9/16	11/16	3/4	7/8	15/16	1-1/16	1-1/4	1-7/16	1-5/8	1-13/16	2	2-3/16	2-3/8
Thickness	15/64	19/64	23/64	27/64	31/64	35/64	39/64	47/64	55/64	63/64	1-7/64	1-7/32	1-11/32	1-15/32

EXTRA DUTY LOCK WASHERS RONDELLES À RESSORT EXTRA ROBUSTES

101
Series

- 4037 High Alloy Steel.
- Mechanical Gold Zinc Dichromate Plated.



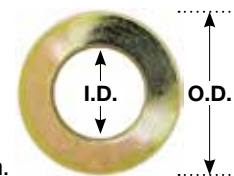
For use with Grade 5 or 8 bolts and for high load applications.

Stock No.	Bolt Size	Steel Section W x T	Maximum Thickness	Standard Package
101-014	1/4	.109 x .062	.080	100
101-016	5/16	.125 x .078	.080	100
101-018	3/8	.141 x .094	.080	100
101-020	7/16	.156 x .109	.080	100
101-022	1/2	.171 x .125	.177	50
101-023	9/16	.188 x .141	.177	50
101-024	5/8	.203 x .156	.177	50
101-026	3/4	.234 x .188	.177	40
101-028	7/8	.266 x .219	.177	40
101-030	1	.297 x .250	.177	40
101-032	1-1/8	.411 x .375	.177	20
101-034	1-1/4	.452 x .417	.177	20
101-038	1-1/2	.526 x .496	.177	20

TENSION WASHERS RONDELLES DE TENSION

101
Series

- Heat treated.
- High carbon.
- Plated Steel



Use two with each Grade 8 cap screw and nut to complete the system.

Stock No.	Bolt Diameter	I.D.	O.D.	Maximum Thickness	Standard Package
101-114	1/4	9/32	5/8	.080	100
101-116	5/16	11/32	11/16	.080	100
101-118	3/8	13/32	13/16	.080	100
101-120	7/16	15/32	59/64	.080	100
101-122	1/2	17/32	1-1/16	.177	50
101-123	9/16	19/32	1-3/16	.177	50
101-124	5/8	11/16	1-5/16	.177	50
101-126	3/4	13/16	1-15/32	.177	40
101-128	7/8	15/16	1-3/4	.177	40
101-130	1	1-1/8	2	.177	40
101-132	1-1/8	1-1/4	2-1/4	.177	20
101-134	1-1/4	1-3/8	2-1/2	.177	20
101-138	1-1/2	1-5/8	3	.177	20

DOUBLE THICKNESS NUTS
ÉCROUS ÉPAISSEUR DOUBLE

102 Series

Light High Nuts

- Low Carbon Steel
- Bare Metal



Papco[®] Double Nuts are used on spring centre bolts, spring 'U' bolts, heavy duty truck wheels, tractor and implement bolts. All Double Thickness Nuts have UNF (S.A.E.) Fine Threads.

For Spring Centre Bolts see page 199.

ORDER BY STOCK NUMBER

Stock No.	Size	Across Flats	Thickness	Std. Package
102-014	1/4-28	.428 - .438	.368 - .382	24
102-016	5/16-24	.489 - .500	.445 - .461	24
102-018	3/8-24	.551 - .562	.491 - .509	24
102-020	7/16-20	.675 - .688	.599 - .619	24
102-022	1/2-20	.736 - .750	.645 - .667	24
102-023	9/16-18	.861 - .875	.754 - .778	24
102-024	5/8-18	.922 - .938	.831 - .857	24
102-027	3/4-16	1.088 - 1.125	.985 - 1.015	24
102-028	7/8-14	1.269 - 1.312	1.140 - 1.172	12
102-030	1-14	1.450 - 1.500	1.294 - 1.330	12
102-034	1-1/4-12	1.812 - 1.875	1.666 - 1.710	12

WING NUTS
ÉCROUS À OREILLE

103 Series

- Strong, well-finished
- Cold forged steel
- Bright, rust-resistant finish



Feature recessed wings for good finger grip.

ORDER BY STOCK NUMBER

Std. Package: 50 pcs

Stock No.	Size	Stock No.	Size
103-010	10-24	103-018	3/8-16
103-014	1/4-20	103-020	7/16-14
103-016	5/16-18	103-022	1/2-13

For Air Cleaner Wing Nuts see page 203.

WING NUT UTILITY ASSORTMENT

No. 020-310

Contains 151 Wing Nuts in five popular sizes. Sturdy fibreboard display box, ideal for Automotive and Hardware use. Each size in an individual compartment.



ACORN (CAP) NUTS
ÉCROUS BORGNES

104 Series

- Durable, smooth-finished Cap Nuts
- Zinc Alloy, Bright Nickel Plated or Zinc Plated Steel



ORDER BY STOCK NUMBER

Zinc Alloy Stock No.	Steel Stock No.	Size & Thread	Std. Pkg	Zinc Alloy Stock No.	Steel Stock No.	Size & Thread	Std. Pkg
104-006	104-106	6-32	100	104-016	104-116	5/16-18	100
104-008	104-108	8-32	100	104-017	—	5/16-24	100
104-010	104-110	10-24	100	104-018	104-118	3/8-16	100
104-011	104-111	10-32	100	104-019	—	3/8-24	100
104-014	104-114	1/4-20	100	104-022	—	1/2-13	50
104-015	—	1/4-28	100	—	—	—	—

ACORN (CAP) NUT UTILITY ASSORTMENT

No. 020-336

Contains 87 Acorn Nuts in the following popular sizes: 6-32, 8-32, 10-24, 1/4-20, 5/16-18, 3/8-16, 1/2-13. Each size in an individual compartment in a sturdy fibreboard box.



PANEL NUTS
ÉCROUS À PANNEAU

106 Series

Precision made Steel and Brass thin nuts for volume controls on radios, chassis connections, toggle switches etc.

Five popular sizes available.



ORDER BY STOCK NUMBER

Std. Package: 25 pcs

Stock No.	Size & Description	Stock No.	Size & Description
106-914	1/4-32 Brass	106-920	7/16-28 Zinc plated Steel
106-916	3/8-24 Zinc plated Steel	106-922	1/2-28 Zinc plated Steel
106-918	3/8-32 Zinc plated Steel		

POZI-LOK[®] STOP NUTS PLATED ÉCROUS POZI-LOK[®] PLAQUÉS

108
UNC
Coarse

109
UNF
Fine

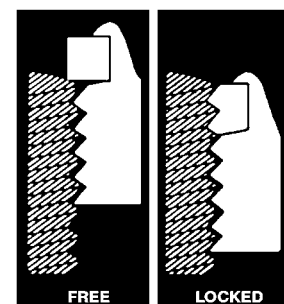
Nylon Insert

These prevailing torque locknuts offer excellent vibration resistance and a wide range of adjustment. The nylon collar prevents liquid seepage and internal corrosion. It is smaller than the bolt diameter and as the bolt enters the collar, the thread form is impressed in the nylon. The resulting compressive forces exert constant friction grip on the bolt and prevent loosening. These nuts may be re-used up to 50 times because the “elastic memory” feature of the nylon causes it to return to its original shape. May be used with Grade 2 and Grade 5 Screws up to 250° F. Bright Zinc Chromate Plated.



ORDER BY STOCK NUMBER

Stock No.	Size	Stock No.	Size	Standard	Dimensions	
UNC Coarse Thread		UNF Fine Thread		Packages	'A' Width	'B' Thickness
108-006	6-32	-	-	100	5/16	.178
108-008	8-32	-	-	100	11/32	.229
108-010	10-24	109-010	10/32	100	3/8	.239
108-014	1/4-20	109-014	1/4-28	100	7/16	.313
108-016	5/16-18	109-016	5/16-24	100	1/2	.344
108-018	3/8-16	109-018	3/8-24	100	9/16	.453
108-020	7/16-14	109-020	7/16-20	50	5/8	.453
108-022	1/2-13	109-022	1/2-20	50	3/4	.594
108-023	9/16-12	109-023	9/16-18	25	7/8	.641
108-024	5/8-11	109-024	5/8-18	25	15/16	.750
108-026	3/4-10	109-026	3/4-16	20	1-1/16	.875
108-028	7/8-9	109-028	7/8-14	20	1-1/4	.984
108-030	1-8	109-030	1-14	20	1-7/16	1.047



POZI-LOK[®] STOP NUT ASSORTMENT ASSORTIMENTS ÉCROUS POZI-LOK[®]



MASTER ASSORTMENT

No. 020-649

This assortment contains 175 nuts in 16 sizes from 1/4" to 3/4" in both Coarse and Fine Thread. Packed in sturdy, metal box with moulded plastic compartments. Illustrated lid label includes retail price codes.

GARAGE ASSORTMENTS

No. 020-064

UNC Coarse Thread

No. 020-065

UNF Fine Thread

Each contains 40 plated Pozi-Lok[®] Stop Nuts 1/4", 5/16", 3/8", 7/16" and 1/2" Dia.

Packed in a clear plastic box.



POZI-LOK[®] DOUBLE NUT ÉCROUS DOUBLE POZI-LOK[®]

111
Series

These Nylon Insert, prevailing torque lock nuts offer excellent vibration resistance and assure positive locking under severe shock. Used for Spring Centre Bolts. Spring U-Bolts etc. UNF Fine Thread.



ORDER BY STOCK NUMBER

Std. Package: 5 pcs

Stock No.	Size	Dimensions	
		Width 'A'	Thickness 'B'
111-018	3/8-24	35/64	41/64
111-020	7/16-20	5/8	49/64
111-022	1/2-20	3/4	13/16
111-024	5/8-18	15/16	1

**FLANGE NUTS
ÉCROUS DE REBORD**

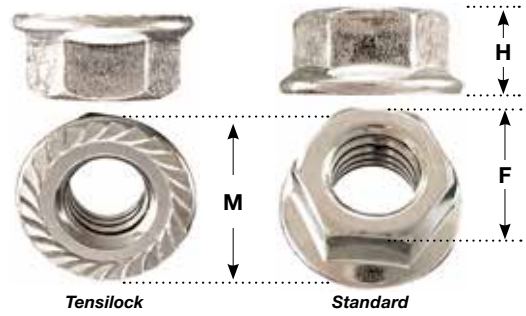
For Metric Flange Nuts see pages 37 & 39

**118
Series**

Papco[®] Flange Nuts provide better load distribution in fastening metal parts, wood or other soft materials. The flange bridges an oversize or elongated hole and eliminates the need for washers.

Two styles:

- (A) Tensilock - one-piece, hardened, free running lock nuts have ratchet teeth in their base - bite into surface and hold tight under vibration.
- (B) Standard - in regular and large flange (L) patterns.



ORDER BY STOCK NUMBER

Std. Package: 100 pcs

Stock No.		Thread Size	Dimensions		
Tensilock	Standard		Hex 'F'	Thick 'H'	Flange 'M'
118-014	118-114	1/4-20	7/16	15/64	19/32
118-016	118-116	5/16-18	1/2	9/32	43/64
-	118-117	5/16-18 L	1/2	23/64	13/16
118-018	118-118	3/8-16	9/16	11/32	47/64
-	118-119	3/8-16 L	9/16	25/64	29/32
-	118-120	7/16-14	11/16	25/64	59/64
118-022	118-122	1/2-13	3/4	29/64	1-1/64

GARAGE ASSORTMENT

No. 020-053

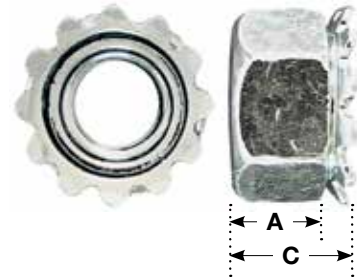
- Contains 50 locking flange nuts, five sizes from 1/4"-20 to 1/2"-13.
- Packed in a clear plastic box.
- Useful in many repairs where a flange nut is needed.



**KEPS[®] LOCKNUTS
ÉCROUS À BLOCAGE KEPS[®]**

**119
Series**

Consists of a pre-assembled hexagon nut and a tooth lock washer. The tapered, twisted locking teeth provide full locking action when the nut is seated. American Standard Machine Screw sizes. Bright Plated.



ORDER BY STOCK NUMBER

Std. Package: 100 pcs

Stock No.	Keps [®] Nut Size	Width Across Flats	Overall Thickness (C)	Nut Thickness (A)
119-006	6-32	5/16	9/64	7/64
119-008	8-32	11/32	5/32	1/8
119-010	10-24	3/8	5/32	1/8
119-011	10-32	3/8	5/32	1/8
119-014	1/4-20	7/16	15/64	3/16
119-015	1/4-28	7/16	15/64	3/16
119-016	5/16-18	1/2	11/32	9/32
119-018	3/8-16	9/16	7/16	3/8

GARAGE ASSORTMENT

No. 020-055

- This Assortment contains 75 'KEPS[®]' Locknuts in each of the sizes listed.
- Packed in a sturdy four compartment clear plastic box with a hinged lid.



**ELEVATOR BOLTS
BOULONS D'ASCENSEUR NUS**

**125
Series**

These flat countersunk head square neck Elevator Bolts have large diameter flush heads. Used on elevator buckets and industrial belting where low head clearance is needed. Also used extensively in truck and trailer applications for walls, floors, racks and trailer doors.

ORDER BY STOCK NUMBER

Stock No.	Size	Stock No.	Size	Stock No.	Size
125-307	1/4 x 3/4	125-442	5/16 x 3/4	-	-
125-309	1	125-444	1	-	-
125-311	1-1/4	125-446	1-1/4	125-491	3/8 x 1-1/4
125-313	1-1/2	125-448	1-1/2	125-493	1-1/2
125-316	2	125-451	2	125-496	2
Head Diameter	1	1-3/16		1-5/16	

- Bare Metal
- UNC Coarse Thread
- Stress Relieved



Length measured overall