



NAS, MS & AN Fasteners are available from the following ND Divisions

Western Fastener Processing Division
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NAS, MS & AN FASTENERS

THE ND DIFFERENCE

OVERVIEW

ND Industries offers the broadest range of top quality self-locking, self-sealing processing methods and fasteners available today for both military (Mil-Spec), aerospace, and commercial applications. At ND, we will apply virtually any of our products to your fasteners at any one of our eight regional service centers or supply you with pre-processed fasteners. Make ND your QPL-approved source for NAS, MS or AN fasteners.

WHY SOURCE WITH ND?

When choosing an NAS fastener supplier there are many options online, but they are not all of the same caliber. Since 1955 ND Industries has been applying threadlocking elements to fasteners, making the complete parts which are then sold to global customers as NAS, MS or AN fasteners. We do not make the fastener but instead source blank stock from reputable manufacturers with all the necessary travelers and documentation which reduces additional work you would need to do in-house and gives you one point of contact for trace-ability.



Inventory & Buying Power

ND maintains more than 2,000 line items in its Aerospace inventory. Most items are complete with self-locking allowing for immediate shipment.



Military Specifications



ND NAS fasteners meet or exceed the performance requirements of U.S. Military: MIL-DTL-18240 (MIL-F-18240).





Customization

As a pre-applied QPL-18240 processor, ND can modify any part to become self-locking or sealing.

ND can supply fasteners with or without self-locking and sealing devices on certain fastener types. All fasteners are domestically manufactured and are completely lot traceable.

- **ND Pell-It®:** A special, tough nylon plug, inserted into a drilled hole, which makes any threaded fastener self-locking and self-sealing while leaving it fully adjustable. Its high internal strength and resiliency help resist deformation after repeated use. ND Pell-It is also available in Vespel and KEL-F* and can be used in virtually any application at any temperature. 
- **ND Strip®:** A tough bar of Nylon, KEL-F* or Vespel, inserted into a milled slot on a threaded fastener, which makes it self-locking and self-sealing. Ideal for military and commercial fasteners, ND Strip performs well in both high and low temperature extremes. Its compressibility, resiliency, and strength allow repeated removals or adjustments. ND Strip is also available in Vespel and KEL-F* and can be used in virtually any application at any temperature. 

- **ND Patch®:** ND Patch and 360° Ring-Patch processes make threaded fasteners of all sizes and configurations self-locking and self-sealing, while leaving them fully adjustable. Patch is completely dry and fused to the fastener, requiring no curing time after installation. Its internal strength and resiliency remain high, even after repeated uses. 
- **ND Patch® Hi-Temp:** Overall performance characteristics equal to ND Patch, but with an increased temperature resistance up to 500°F (260°C). 

ND Strip® & ND Pell-It® can be produced burr-free beyond the normal Mil-DTL-18240 requirements.

ND products meet or exceed the performance requirements of the following specifications and/or standards:

- MIL-DTL-18240: 250° self-locking element for military specification fasteners, internal and externally threaded.
- NAS 1283: Fasteners, male threaded, self-locking
- MS 15981: Fasteners, externally threaded, self-locking

NAS Self-Locking Fasteners:

No.	Description
608	SHCS
662	100° Flat Hd.
1081	Setscrews - Ck. Pt. Size
1161 - 1168	100° Flat Hd. - Torque Set
1171 - 1178	Pan Hd. - Torque Set
1181 - 1188	Flat Fillister Hd. - Torque Set
1189	100° Flat Hd. - Full Threaded
1190	Pan Hd. - Full Threaded
1191	Flat Fillister Hd. - Full Threaded
1216	Pan Hd., High Torque Recess, Full Thread
1217	Pan Hd., High Torque Recess, Short Thread
1218	Pan Hd., High Torque Recess,
1219	100° Flush Hd. High Torque Recess, Full Thread
1220	100° Flush Hd. High Torque Recess, Short Thread
1221	100° Flush Hd. High Torque Recess
1223 - 1235	Hex Hd. Bolt, Shear
1351	SHCS
1352	SHCS
1635	Pan Hd., Full Threaded
1741	100° Flat Hd., Full Thrd., Patch Type
1742	Pan Hd., Full Thrd., Patch Type
1743	Flat Fillister Hd., Full Thrd., Patch Type
1283	Self-Locking Male Fastener Specification which relates back to MIL-F-18240 and MS 15981 (limitations of use.)
5312	100° Flush Hd., Full Thread, NAS1800 Six Lobe Recess
5316	100° Flush Hd., Close Tolerance, NAS1800 Six Lobe Recess, 95 KSI FSU
5317	Pan Hd., Full Thread, NAS1800 Six Lobe Recess
5300-5306	Machine-Flat Fillister Hd., Full Thread, Tri-Slot Recess, Alloy Steel
5400-5406	Machine-Flat Fillister Hd., Full Thread, Tri-Slot Recess, A286 CRES
5500-5506	Machine-Flat Fillister Hd., Full Thread, Tri-Slot Recess, Titanium Alloy 6AL-4V
5600-5606	100° Hd., Tri-Slot Recess, Alloy Steel, Full Thread
5700-5706	100° Hd., Tri-Slot Recess, A286 CRES, Full Thread
5800-5806	100° Hd., Tri-Slot Recess, 6AL-4V Titanium Alloy, Full Thread
5900-5903	Hex Hd., Tri- Wing Recess, Alloy Steel, Full Thread
6000-6003	Hex Hd., Tri- Wing Recess, A286 CRES, Full Thread
6500-6506	100° Oval Hd., Tri-Wing Recess, A286 CRES, Full Thread
6900-6906	Pan Hd., Tri- Wing Recess, A286 CRES, Full Thread

MS Self-Locking Fasteners:

No.	Description
18153	Hex Hd., Capscrew, Gr. 8, UNF
18154	Hex Hd., Capscrew, Gr. 8, UNC
18063	Setscrews, Cup Pt. - Alloy
18064	Setscrews, Cup Pt. - 18-8
18065	Setscrews, Flat Pt. - Alloy
18066	Setscrews, Flat Pt. - 18-8
18067	Setscrews, Cone Pt. - Alloy
18068	Setscrews, Cone Pt. - 18-8
21090	Pan Hd. Screw, Steel
21091	100° Flush Hd., Bolt, Steel
21092	100° Flush Hd., Bolt, Cres.
21093	100° Flat Hd., Screw, Steel
21094	Hex Hd. Bolt, Steel
21095	Hex Hd. Bolt, Cres.
21096	Pan Hd. Bolt, Steel
21097	Pan Hd. Bolt, Cres.
21098	12 Pt. Hex Hd., Alloy Steel
21099	12 Pt. Hex Hd., Cres.
21262	SHCS, Alloy Steel
21295	SHCS, Cres.
51021	Setscrews, Cup Pt., Cres-UNC Threads
51023	Setscrews, Cup Pt., Cres-UNF Threads
51029	Setscrews, Flat Pt., Cres-UNC Threads
51031	Setscrews, Flat Pt., Cres-UNF Threads
51038	Setscrews, Cone Pt., Cres.
51095	Hex Hd. Gr. 5 UNC Threads
51096	Hex Hd. Gr. 5 UNF Threads
51963	Setscrew, Cup Pt., Alloy UNF Threads
51964	Setscrew, Cup Pt., Alloy UNF Threads
51965	Setscrews, Flat Pt., Alloy UNC Threads
51966	Setscrews, Flat Pt., Alloy UNF Threads
51973	Setscrew, Cone Pt., Alloy UNC Threads
51974	Setscrew, Cone Pt., Alloy UNF Threads
90727	Hex Hd., Gr 8 UNF Threads
90728	Hex Hd., Gr 8 UNC Threads