



## WHAT TO DO WITH "IN-PLACE-ASSEMBLY COSTS"

**By Alan Pritchard**

What everyone wants to do with in-place-assembly costs is ELIMINATE them. Unfortunately, such an action is far from easy and in most instances impossible. What we can do, having established in detail what these costs are, is reduce them. What one cannot do is IGNORE them.

The first law to reducing costs is to recognize that every single action that has to be performed has a cost penalty. Secondly and of even more importance is to have a solution, readily available, that enables you to eliminate actions with a suitable alternative fastener or assembly technique.

The REMINC business is that of providing fastener solutions that enable unnecessary actions (associated operations) to be eliminated without detriment to the finished assembly.

ALWAYS REMEMBER! Costs can be saved from the elimination of unnecessary processes prior to unit assembly and also by eliminating rectification costs that will occur from the incorrect choice of a 'fastener system'. As previously advised in previous REGISTERS, we can now look at assembly needs that have led to the development of some innovative fastening systems.

### *A NEED IDENTIFIED:*

A manufacturer of sheet metal assemblies had used cost effective, self-tapping screws for a unit assembly.

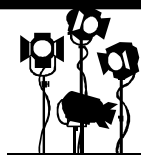
There arose a need, from a weight and material cost reduction request, to reduce sheet metal thicknesses from 0.7 mm to 0.5 mm. The use of the standard spaced thread self-tapping screw became ineffective as an assembly system due to the nature and standard specifications of these products. As a result, the applied torque for forming the threads, in the sheet metal, was almost as high as the torque that would cause the threads to 'strip' and the screws to 'spin' – thus, losing joint integrity.

The solution to the problems associated with this and many other thin sheet metal assemblies has been to introduce the patented and innovative FASTITE® 2000™ fastener. The FASTITE® 2000™ screw's unique double lead thread design creates excellent joint integrity and provides the cost savings desired.

Please contact REMINC Engineering for further details.

### **REMINC STAFF**

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- Ken Gomes - Vice President - Marketing & Engineering
- Tim Egan - Vice President - Operations
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- Don Fosmoen - Manager - Manufacturing Eng.
- Suzanne Lilly - Special Projects Engineer
- Nick Pellon - Laboratory Engineer
- Beth Rondeau - Director of Financial Admin.



### **SPOTLIGHT ON NICK PELLON**



Nick Pellon is a Laboratory Engineer for REMINC. Mr. Pellon has 10 years experience in the aerospace industry. He has authored 3 patents. Mr. Pellon is primarily engaged with the laboratory testing, metallurgical analysis, application engineering and licensee support activities.



## PRESIDENT'S PERSPECTIVE "DISTINCTIVE EXCELLENCE"

"Separate yourself from the crowd" is an old expression but one that still has meaning today. In business terminology, it might translate to "distinctive excellence". In my opinion those two words describe what it takes to be "best in class". Being the best is never easy to accomplish, but well worth pursuing. Start with a set of goals, budget sufficient time, capital and manpower and make it happen.

Based on my experience, I have some suggestions to help your company achieve success. Avoid the standard product-low margin game; it can't be won competing with low-cost-country producers. Don't imitate others; innovate. Identify what your company does best, niches where you excel. Do you make value-added proprietary products, serve special markets, have unique manufacturing capabilities, or provide special services or support that others can't offer? Are you effectively selling cost-saving concepts or just taking orders for basic products? Have you educated your customers to the point where they accept that you are selling value instead of price? Don't accept mediocrity, in terms of product quality or team performance; insist on the highest standards. Simplify your activities as much as possible; don't attempt to make a wide variety of products, serve several markets or provide numerous services. There is only a slim chance that you would succeed with this strategy. Simplification will allow you to concentrate on the items you can do best and help you achieve excellence. Apply the 80/20 rule; it works. These are areas where I suggest you might focus your attention and utilize your energy, in order to give your company a distinctive identity.

Given sufficient time, you can achieve a reputation for distinctive excellence or best in class, a requisite for long term growth and profitability. Go for it, and you will have separated your company from the crowd.



## NEW REMINC WEBSITE

Late this Fall, REMINC will introduce a new redesigned website. The website has been completely restructured to help YOU find the INFORMATION you need. We feel the new site will raise the awareness of the TAPTITE® and REMFORM® family of products and their diverse cost savings benefits.

In addition, the website will contain:

- an easier user interface
- increased product information
- updated authorized manufacturer listings and links
- updated application and cost savings examples
- a new product search engine
- an option to receive this newsletter electronically
- an improved contact form



We hope you will find the new site both useful and informative. The new website will also be more "globally constructed" to help end-users find the products they require from the authorized manufacturer sources in their respective geographic regions.



## **REMINC Responds! Fielding the Questions**

*Q. Are TAPTITE 2000® fasteners available with a dog point (spigot point, pilot point)?*

A. This is a question we are asked quite often. There is really a two-part answer. The first part is; all TAPTITE 2000® fasteners, M6 and above, have a dog point that is an integral part of the TAPTITE 2000® design. The two stabilizing threads are a threaded dog point. In fact the threaded dog point is more effective than a traditional unthreaded dog point for axial alignment. This is because the threaded dog point is sized very closely to the unthreaded pilot hole, whereas an unthreaded dog point must be much smaller to prevent the creation of a captive point condition. What this means is that you can expect better axial alignment from a standard TAPTITE 2000® fastener than a TAPTITE 2000® fastener with a traditional unthreaded dog point.

The second part is; yes, TAPTITE 2000® fasteners can be manufactured with a traditional unthreaded pilot point. REMINC discourages this practice, due to the improved performance of the standard threaded dog point, but when an engineer feels the old style unthreaded dog point is absolutely necessary, this application can be accommodated.

*Q. When should CORFLEX®-I or CORFLEX®-N processing be specified for an application?*

A. This is a question we are often asked by a new licensee or end user. This is also a two-part answer: The first part is; CORFLEX®-I fasteners should be specified when:

- Nut member material is suitable for thread rolling / forming (Hardness of HV240 or lower)
- The joint is potentially structural
- High assembly torques or high clamp loads are involved
- A grade strength machine screw bolt (i.e. Grade 8.8, 9.8, 10.9) would otherwise be used
- High tensile strengths or toughness is required
- A carburized surface is inappropriate
- Dissimilar materials are in the joint (aluminum & steel)
- Safety is a consideration
- The joint is exposed to hostile environments
- Stress corrosion is a threat
- Alternating or vibrational joint stresses occur

The second part is; CORFLEX®-N processing should be specified when:

- The nut member hardness does not require the surface hardness provided by case hardened or CORFLEX®-I fasteners (Hardness of HV100 or lower)
- Thread forming in an aluminum nut member
- Thread forming in a zinc nut member
- Thread forming in a soft, typically non-ferrous nut member
- The conditions above are met and when a case hardened fastener would be detrimental in the application
- Dissimilar materials are present
- There is cyclic loading
- There is thermal cycling
- Stress corrosion is possible

REMINC Training / Brochure Request Form

Please Check:

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

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- Contact me regarding a training visit
- REMINC General Products Catalog
- TAPTITE 2000® Products Application Guide
- TAPTITE 2000® Product Brochure
- REMFORM® Product Brochure
- TRU-START® Product Brochure
- FASTITE® 2000™ Product Brochure
- "54 Ways TAPTITE 2000® Fasteners Lower the Cost of Assembly" Request Form

Mail this form to REMINC at 25 Enterprise Center, Middletown, RI 02842 USA or fax it to fax #: (401) 841-5008

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**1958 - 2005**  
**Celebrating 47 Years Lowering**  
**the Cost of Assembly**

