Providing Advanced Technology
to the Fastener Industry

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The Recognized Benefits of using Properly Identified Patented and Trademarked Fasteners in Assemblies

Assemblers benefit in many ways by using only Patented and/or Trademarked fasteners when joining components. These benefits, often not obvious, always provide cost-savings. Fasteners that are patented, such as our TAPTITE 2000® products, have unique design features that offer performance advantages, which translate to a lower cost-of-assembly. The TAPTITE 2000® unique radius-thread form generates higher joint tension values with lower torque seating requirements than competitive designs. In addition, this design resists vibrational loosening, eliminating the need for costly adhesives or other locking features. Alternative look-alike thread-formers, often available in the market, may get the job done but less efficiently and at higher cost.

To avoid copy-cat products and to be assured you are getting the genuine item, buying and using a trade-marked product with proper head marking is essential. The TAPTITE 2000® trademark identifies our patented design and clearly distinguishes it from all other thread-forming designs. A TAPTITE 2000® screw or bolt is a value-added product and its trademark guarantees that its features are compliant with our technical standards. Whether the TAPTITE 2000® product is manufactured and/or sourced in the Americas, Europe or Asia is immaterial, as our licensed producers make fasteners to the same specifications globally, irrespective of the country of their origin. Alternative designs with generic designations may be lower priced, but the overall cost of assembly will generally be higher. The uniform quality of trademarked fasteners will assure better performance and trouble free assemblies, which directly translates to a lower total cost.

Another component of patented and trademarked fasteners is that, in our case, they incorporate confidential technical information. This confidential material, only available to authorized producers, assures design compliance. To produce a product in accordance with our technical specifications the producer must have the correct tooling, employ a defined manufacturing technique, heat treat the fasteners for their specific application and apply the appropriate finish and lubricant. It's the combination of all these elements that guarantees that the trademarked product will have superior performance and resulting cost -savings. Outsiders, making copy-products simply don't have the know-how available to our licensees and there-fore unsuspecting assemblers have no assurance that the fasteners they source will perform as required.

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DID YOU KNOW?

That REMINC has an ongoing program of auditing all program licensees to assure product compliance with our technical specifications?

That you can e-mail or phone REMINC at any time to request assistance with application opportunities, problem solving, or arranging education and training sessions at our or your location?

That in 2014 an estimated 20 billion joints, many of which were safety-critical, were fitted with TAPTITE® trademarked fastener products?

REMINC STAFF

Laurie Mandly	Chairman & CEO
Tim Egan	President & COO
Ken Gomes	VP - Engineering/Product Development
John Reynolds	Manager - Fastener Engineering
Dennis Boyer	Senior Project Engineer
Bill St. Angelo	Director - Marketing and Licensing
Bob Budziszek	Project Engineer
Suzanne Lilly	Administrator - Intellectual Properties
Beth Rondeau	Director of Financial Administration
Kelli Russ	Executive Assistant
Ralph Barton	Associate

SPOTLIGHT ON TIM EGAN

Tim joined REMINC in the Spring of 1998 and then spent 6 years at REMINC's sister company CONTI Fasteners. Tim returned to REMINC in 2004 and replaced Ralph Barton as President of REMINC at the beginning of 2008. Tim previously spent 15 years in the electronics industry in engineering, marketing and sales functions and is now entering his 18th year with the TRILOBULAR® Program. Today, Tim's main duty is to insure the proper direction, advancement and management of the global licensing program offered by the CONTI and REMINC organizations.

REGISTER

CHAIRMAN'S CORNER - MOVING FORWARD, by Laurie Mandly

I am an individual with a very positive outlook on life in general. But recently I happened to see a newspaper article that focused on how various luminaries deal with failure, and it made me curious enough to read it. I was intrigued to discover what the perspectives on failure would be for the five men and women interviewed in the article. Although each person dealt with failure in his or her own way, there was consensus on one point; learn from the experience and move on. For me, failure has never even been an option, nor something I ever think about. During the first twenty years of my thirty-year career at REMINC, I worked closely with Art Bancroft, my father and the founder of our licensing program. Failure was not a word in his vocabulary, as he was never discouraged by a lack of achievement or success. Art took a well-known saying of Winston Churchill to heart: "A pessimist sees the difficulty in every opportunity, whereas an optimist sees opportunity in every difficulty." Art was an optimist, with a vision for the licensing program he started, and one that he saw fulfilled. What others might see as a failure, he saw as merely a pause or hesitation in forward progress.

At REMINC we, like in every other business enterprise, regularly face issues that can be challenging, no question about it. Our over-riding challenge however, is to continue to design and develop value-added fasteners that will lower the final cost-of-assembly. This is our modus operandi, every hour of every day. Pursuing this objective involves a "process", one that I have seen repeated several times during the past thirty years. This process is comprised of several steps, each one equally as important as the rest. (1) Focus on the assembly problem that has been presented to us and establish the performance goal. (2) Develop a fastener concept. (3) Create a design that is believed to be functional, unique and patentable. (4) Manufacture tooling that will produce fastener samples. (5) Qualify the samples. (6) Perform comparative tests with the samples and analyze the data. (7) Make necessary design modifications to fully achieve the performance goals. (8) Make production samples for more extensive field testing. (9) Be completely confident that the new product is ready for launch. Each one of these steps normally generates issues and problems, all of which have to be overcome.

It is these steps and resulting challenges that motivate me and our team at REMINC. We always see opportunity in the challenges, never failure, as opportunity is an important motivator in our mode of operation. The overall goal is to provide our licensees and assemblers with a fastener product that stands apart from others that are generally available, one that gets the job done in a better way, more efficiently and effectively. As you may surmise, failure is never considered an option for us; we just keep moving forward, step by step. That's my quite different perspective on what others might perceive as failure.

LICENSED PRODUCTS QUALITY CONTROL

Product quality is the foundation upon which our logo "Leaders Lowering the Cost of Assembly" is based. Our thread-forming fasteners positively have to function as designed, 100% of the time, without exception. And every TAPTITE® and REMFORM® screw or bolt validates its worth when it is driven into an untapped nut member, forming perfect threads and creating a joint that will reliably resist vibrational loosening. TAPTITE® and REMFORM® fasteners, in a variety of application-specific designs, are available from literally dozens of authorized manufacturers globally. And all these products, despite being produced in different locations, are all manufactured to our specifications, irrespective of the source. It is however important to specify and procure only Genuine Trademarked fasteners, to be sure you are obtaining the degree of quality your application requires, guarding against unauthorized copies that may not perform as expected. In order to provide this performance assurance to end-users, we have a well established quality control program, implemented by our lab staff at REMINC.

As an integral component of that program, all REMINC licensees are periodically audited for quality, in order to verify that the licensed products being produced and sold are in strict conformance with our technical specifications. We initiate the audit process by requesting that each licensee submit a sufficient number of fasteners or production tools in order that they can be properly checked for material, dimensional compliance, hardness and workmanship, plus tested for drivability. In each category a REMINC engineer measures the submitted samples against specifications contained in our Confidential Technical Manuals. Once the inspection and testing are completed, a report letter is sent to the respective licensee advising it of the results. If all samples are within specification, that fact is communicated. If not in compliance, the discrepancy is communicated and the licensee is advised that the problem must be corrected and that further sample submission is necessary. This process continues until we are satisfied that the products being offered to end-users are fully compliant with our specifications and worthy of bearing our registered trademarks. Upon successful completion of the quality audit, the licensee will receive a Quality Certificate indicating that it has been certified as an authorized producer of the specific licensed product(s).

Our auditing process is an important component of the licensing program because it assures us and the licensee that all trademarked products are in technical conformance. This quality control program also ensures that the end-user will receive acceptable functional parts when ordered as trademarked fasteners from any authorized licensee. By having this assurance in the quality of TAPTITE® and REMFORM® fasteners we can confidently state that we are "Leaders Lowering the Cost of Assembly".

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(cont. from Page 1)

An additional but important component of fastener identification is the head marking on the product itself. Most assemblers require head markings which indicate the manufacturing source and the grade strength of the product, guaranteeing that the fastener in question will perform as expected.

Over the years, billions of TAPTITE 2000® screws and bolts have been manufactured to industry standard metric grade screw strength requirements. CORFLEX®-'I' heat treatment (neutral hardening plus supplemental selective induction hardening) is used for TAPTITE 2000® screws and bolts that are intended to be used in steel nut members. CORFLEX®-'N' heat treatment (neutral hardened without any supplemental heat treatment) is used for TAPTITE 2000® and TAPTITE 2000® "SP"™ screws intended for use in soft "white metals" such as aluminum, zinc or magnesium. Engineers typically utilize the known strength values of grade strength machine or metric screws when designing assembly components. TAPTITE 2000® screws provide the same strength as equivalent grade machine screws plus performance and cost savings benefits.

Standard grade metric or machine screws typically have head markings that identify the industry grade strength, such as 8.8, 9.8 or 10.9. TAPTITE 2000® screws are also manufactured to meet grade screw requirements; however, 8.8, 9.8 or 10.9 head markings should not be used on TAPTITE 2000® screws. These head markings identify standard metric or machine screws only. Whereas TAPTITE 2000® screws are "high performance thread rolling" screws, the use of 8.8, 9.8 and 10.9 markings on the heads of TAPTITE 2000® screws would be a misidentification. To avoid any confusion, two automotive companies, Ford Motor Company and General Motors Corporation, have adopted alternative head markings to identify TAPTITE 2000® screws that are equivalent to grade strength machine or metric screws.

TABLE 1

Equivalent Machine Screw Grade	Head Marking for CORFLEX®-'I' TAPTITE 2000® Screw	
	GM	Ford
8.8	8.	08
9.8	9.	09
10.9	10.	010

The table above shows alternative head markings for CORFLEX®-'I' TAPTITE 2000® screws for use in steel nut members. Ford has adopted alternative head markings suggested by REMINC/CONTI for CORFLEX®-'N' TAPTITE 2000® screws, as shown in the table below.

TABLE 2

Equivalent Machine Screw Grade	Ford Head Marking for CORFLEX®-'N' TAPTITE 2000® Screw
8.8	8N
9.8	9N
10.9	10N

The use of alternative head markings such as shown in Tables 1 and 2 above, also prevents confusion and mixing of screws at the assembly location. Operators can readily visually identify a difference between machine or metric screws and TAPTITE 2000® thread rolling screws. We recommend that Licensed manufacturers seriously consider using alternative head markings for CORFLEX®-'I' and 'N' TAPTITE 2000® product even if the customer has no such requirement.

We hope that the information presented in this article is useful and will be circulated to those individuals in your organization that are involved in the production or procurement of thread forming fasteners.

REMINC Training / Brochure Request Form

Name: _____

Company: _____

Address: _____

_____

_____

Please Check:

- ☐ 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
- ☐ Receive Newsletter by e-mail

Mail form to:
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Middletown, RI 02842 USA
Fax to: (401) 841-5008
E-mail to: reminc@reminc.net

Licensee Focus

Jinhap Co., Ltd., Daejeon, South Korea
www.jinhap.com
Jinhap, founded in 1978 in South Korea as a fastener specialty manufacturer, is a leader in fastener technology and precision forged products. With manufacturing and distribution facilities in South Korea, China, Europe and the USA (Semblex Corporation), Jinhap can now supply Greentech™ TRILOBULAR® and REMFORM® fasteners to customers globally.

Semblex Corporation, Elmhurst, Illinois, U.S.A.
www.semblex.com
Semblex, a North American subsidiary of Jinhap Co., Ltd., South Korea, has been a TRILOBULAR® Licensee since 2010, and recently became a Licensee for the range of REMFORM® fasteners utilized for plastics and light metals. Semblex has been a supplier of fasteners to the automotive, heavy truck, motorcycle, farm equipment and home entertainment industries since 1968. We are pleased to welcome Semblex to our REMFORM® Licensee Group.

Acument Global Technologies, Belvidere, Illinois, U.S.A.
www.acument.com
Acument, a unit of the Italian industrial company, The Fontana Grouppo, is an innovative manufacturer of branded value-added screws, bolts, nuts and cold-formed components, providing fastening and assembly solutions to automotive, industrial and aerospace customers. Acument has 11 manufacturing and distribution locations in the United States, Mexico and Brazil. Fully licensed to produce and sell the complete range of TRILOBULAR® and REMFORM® products, Acument is capable to design and furnish fasteners to suit your applications.

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1958 - 2016
Celebrating 58 Years Lowering the Cost of Assembly