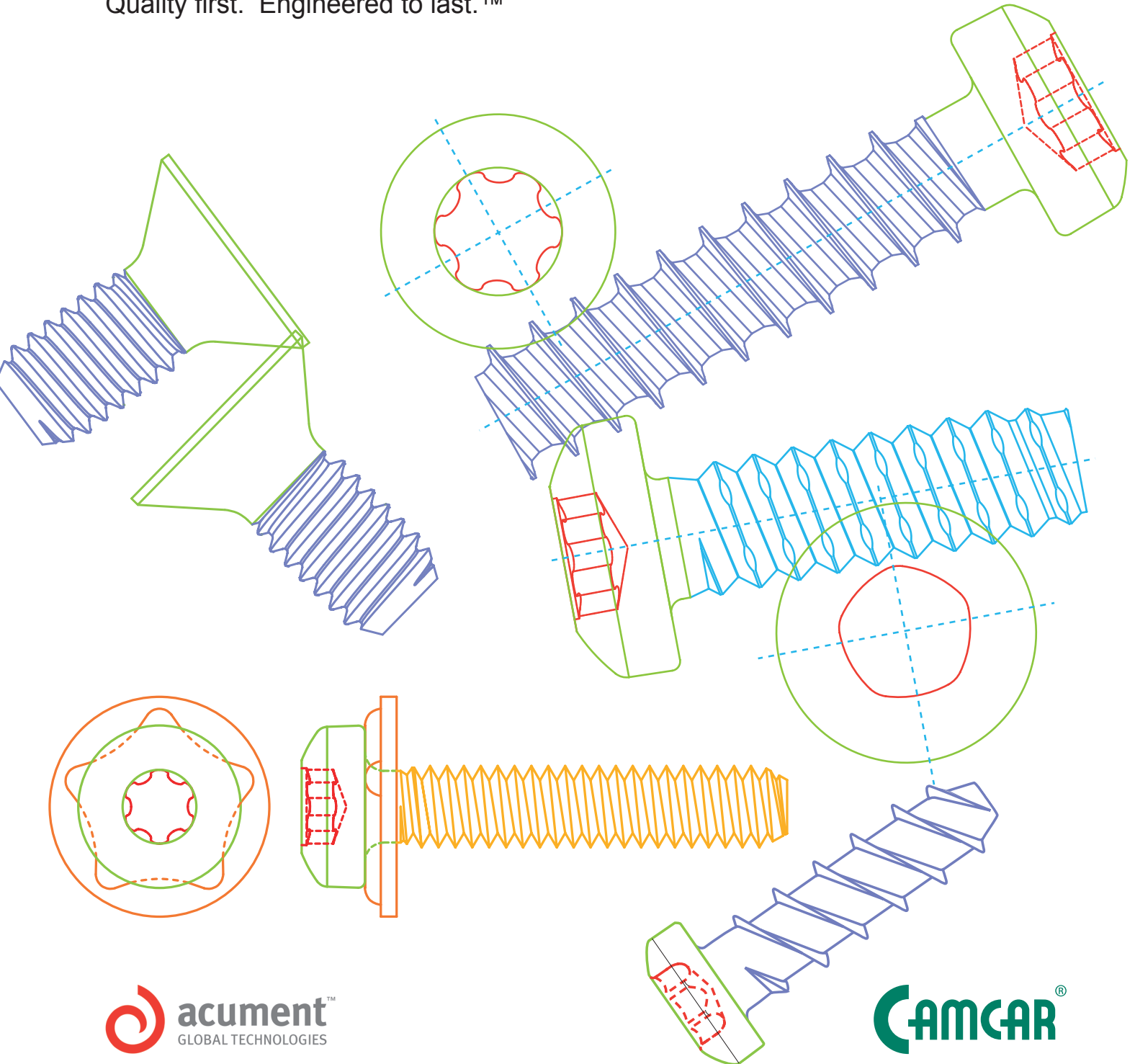


Engineered Standards

Camcar® Brand Catalog

Acument™ Global Technologies

Quality first. Engineered to last.™



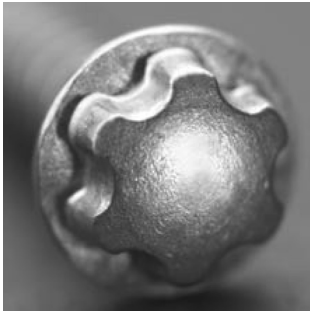


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Worldwide Fastening Solutions

The broad product line of Acument™ Global Technologies is readily available to meet your needs around the world. This catalog represents the engineered standards of our Camcar® brand product line. While the product offering in this catalog is extensive, virtually all of the products shown here can be customized to meet the needs of your application.

Engineered Standards

In today's marketplace, component standardization and shorter lead times have become critical to manufacturers. To meet that need, we have identified a broad range of engineered threaded fasteners designed to provide engineers with the quality of the Camcar brand product line while enhancing their ability to commonize on components and reduce time to market. While these products are highly engineered, their availability as Camcar brand standards allows you to access them faster at highly competitive prices.

Globally Recognized Brand

The Camcar brand is recognized around the world as the high-quality line of threaded fasteners and cold-formed components. Manufacturers across the globe have utilized Camcar brand products to lower costs, improve assembly line efficiency and enhance product quality.

Pricing Information

By using Camcar brand standards, you can take advantage of the manufacturing efficiencies we have attained in producing these parts. Our competitive pricing, immediate quotes and shorter lead times offer a number of benefits to manufacturers. Pricing for all products in this catalog is immediately available by calling 1-800-544-6117, or a Camcar brand distributor.

Delivery Information

Often orders can be shipped within 24 hours of receipt. This can be particularly critical during the product design phase, as you now have access to production parts for prototypes or testing. For those that can't be shipped immediately, the manufacturing processes for our engineered standards allow us to offer much shorter lead times than the market is accustomed.

Ordering Information

To place an order, find out product availability or locate a Camcar brand distributor in your area, call 1-800-544-6117. To better serve you, some orders may be directed to a Camcar brand distributor.



Decorah Operations
1304 Kerr Drive
Decorah, IA 52101-2494
voice: 563.382.4216
fax: 563.387.3326
1-800-544-6117
acument.com
camcarsolutions.com
ringscrew.com

Acument™ Global Technologies is a global leader in providing cost-saving fastening solutions to all major industries and thousands of different products. Our unique combination of expertise, manufacturing capability and product quality makes us the single-source solution for fasteners, cold-formed components, installation tools and assembly systems.

Acument™ Global Technologies is comprised of multiple operations with locations on five continents. We have a diverse product line that includes both standard and specially-engineered product solutions. Industries served include:

- aerospace
- automotive
- construction
- computer equipment
- electrical equipment
- ground transportation
- heavy equipment
- lawn & garden
- medical
- power tool
- telecommunications

This Engineered Standards catalog contains product solutions from the Camcar brand. Along with product details and specifications in this catalog, we also give you access to technical and product data via the Internet.

System Solutions
Total system solutions require more than a fastener. For that reason, Acument™ Global Technologies is here to provide the complete package you need to lower costs, optimize manufacturing efficiency and ensure top-quality products. From initial design to assembly line, Acument™ Global Technologies is your single source supplier for fastening solutions.



Design Support
We offer design and applications assistance, product teardowns, fastener testing, fastening strategy development, on-site assembly line analysis, product prototypes and more.

Manufactured Product
Acument™ has among the broadest range of

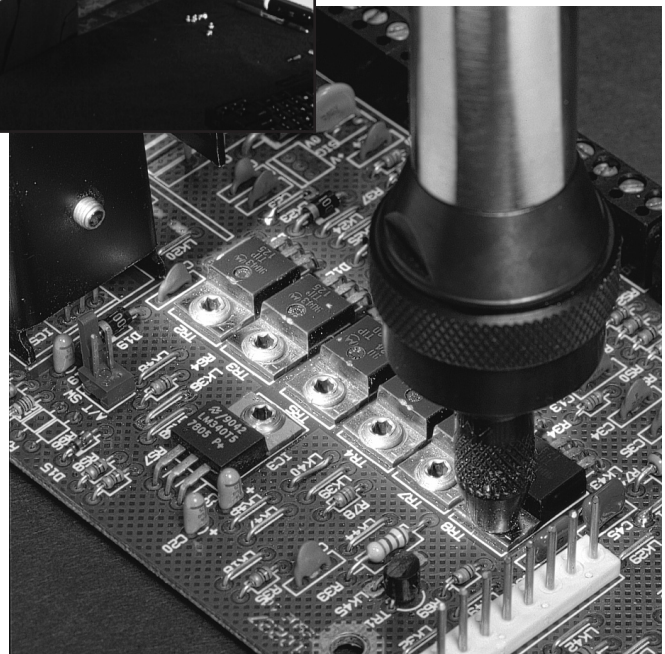
manufacturing capabilities available from the fastener industry. From threaded fasteners to blind rivets to cold formed components, we are the global leader in fastener manufacturing technology.

Sourced Product
To lower your procurement costs, we have a global network of suppliers for products that are outside our manufacturing strengths. Whether it's nuts, clamps, solid rivets, or

other fasteners, Acument™ delivers the products you need.

Logistics Services
Global vendor-managed inventory programs, global warehousing and distribution programs, global supply capabilities, JIT and Kan Ban programs, custom packaging and more are among our complete range of logistics services. These capabilities allow us to design a custom program to meet your global requirements.

Automation Systems
On the assembly line, efficiency is critical. To ensure that efficiency, Acument™ offers systems for installation of a broad range of fasteners. From manual tools to fully-robotic systems, we can develop a customizable system to meet your assembly line needs.



Taptite 2000® Thread-Rolling Fasteners

Taptite® fasteners roll-form threads in metals as they are seated.

Specifications

- Sizes: #0 to 1/4"
- M1.6 to M6)
- Head Styles: Pan and flat
- Drive System: Torx Plus
- Material: Low carbon steel
- Heat Treat: Case hardened
- Plating: Zinc and clear chromate

Features

- Trilobular thread form
- Tight dimensional tolerance controls
- Consistent thread profile

Benefits

- Eliminates tapping costs
- Generates strong mating threads
- Resists vibration loosening
- Minimal radial stress reduces boss failure



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#0 Diameter				
0-80	1/8"	3BT-P846 -00	Pan	5IP
0-80	3/16"	3BT-P8103-00	Pan	5IP
0-80	1/4"	3BT-P847 -00	Pan	5IP
#2 Diameter				
2-56	1/4"	3BT-P848 -00	Pan	7IP
2-56	1/4"	3BT-F810 -00	Flat	5IP
2-56	5/16"	3BT-P8111-00	Pan	7IP
2-56	3/8"	3BT-P8112-00	Pan	7IP
#4 Diameter				
4-40	1/4"	3BT-P809 -00	Pan	10IP
4-40	1/4"	3BT-F800 -00	Flat	8IP
4-40	5/16"	3BT-P8117-00	Pan	10IP
4-40	3/8"	3BT-P810 -00	Pan	10IP
4-40	1/2"	3BT-P811 -00	Pan	10IP
4-40	5/8"	3BT-P8118-00	Pan	10IP
4-40	3/4"	3BT-P812-00	Pan	10IP
4-40	1"	3BT-P813 -00	Pan	10IP
#6 Diameter				
6-32	1/4"	3BT-P814 -00	Pan	15IP
6-32	5/16"	3BT-P8123-00	Pan	15IP
6-32	3/8"	3BT-P815 -00	Pan	15IP
6-32	1/2"	3BT-P816 -00	Pan	15IP
6-32	5/8"	3BT-P8124-00	Pan	15IP
6-32	3/4"	3BT-P817 -00	Pan	15IP
6-32	1"	3BT-P818 -00	Pan	15IP
#8 Diameter				
8-32	1/4"	3BT-P819 -00	Pan	20IP
8-32	3/8"	3BT-P820 -00	Pan	20IP

Taptite 2000® Thread-Rolling Fasteners

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
8-32	3/8"	3BT-F811 -00	Flat	15IP
8-32	1/2"	3BT-P821 -00	Pan	20IP
8-32	5/8"	3BT-P8126-00	Pan	20IP
8-32	3/4"	3BT-P822 -00	Pan	20IP
#10 Diameter				
10-32	3/8"	3BT-P850 -00	Pan	25IP
10-32	3/8"	3BT-F813 -00	Flat	20IP
10-32	1/2"	3BT-P8132-00	Pan	25IP
10-32	5/8"	3BT-P8133-00	Pan	25IP
10-32	3/4"	3BT-P8134-00	Pan	25IP
10-32	3/4"	3BT-F814 -00	Flat	20IP
10-32	1"	3BT-P851 -00	Pan	25IP
1/4" Diameter				
1/4-20	1/2"	3BT-P8139-00	Pan	30IP
1/4-20	3/4"	3BT-P8140-00	Pan	30IP
1/4-20	3/4"	3BT-F815 -00	Flat	27IP
1/4-20	1"	3BT-P8141-00	Pan	30IP
1/4-20	1 1/2"	3BT-P8142-00	Pan	30IP
M1.6 Diameter				
M1.6-0.35	3mm	3BT-P8167-00	Pan	5IP
M1.6-0.35	6mm	3BT-P8170-00	Pan	5IP
M2 Diameter				
M2-0.4	4mm	3BT-P8171-00	Pan	6IP
M2-0.4	5mm	3BT-P8172-00	Pan	6IP
M2-0.4	6mm	3BT-P8173-00	Pan	6IP
M2-0.4	8mm	3BT-P8174-00	Pan	6IP
M2-0.4	10mm	3BT-P8175-00	Pan	6IP
M2.5 Diameter				
M2.5-0.45	5mm	3BT-P8178-00	Pan	8IP
M2.5-0.45	6mm	3BT-P8179-00	Pan	8IP
M2.5-0.45	8mm	3BT-P8180-00	Pan	8IP
M2.5-0.45	10mm	3BT-P8181-00	Pan	8IP
M3 Diameter				
M3-0.5	6mm	3BT-P800 -00	Pan	10IP
M3-0.5	8mm	3BT-P801 -00	Pan	10IP
M3-0.5	8mm	3BT-F820-00	Flat	10IP
M3-0.5	10mm	3BT-P8183-00	Pan	10IP

Taptite 2000® Thread-Rolling Fasteners

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
M3-0.5	12mm	3BT-P8184-00	Pan	10IP
M3.5 Diameter				
M3.5-0.6	8mm	3BT-P803 -00	Pan	15IP
M3.5-0.6	10mm	3BT-P8185-00	Pan	15IP
M3.5-0.6	12mm	3BT-P804 -00	Pan	15IP
M4 Diameter				
M4-0.7	8mm	3BT-P8188-00	Pan	20IP
M4-0.7	10mm	3BT-P8189-00	Pan	20IP
M4-0.7	12mm	3BT-P852 -00	Pan	20IP
M4-0.7	16mm	3BT-P8190-00	Pan	20IP
M4-0.7	20mm	3BT-P8191-00	Pan	20IP
M4-0.7	25mm	3BT-P8192-00	Pan	20IP
M5 Diameter				
M5-0.8	10mm	3BT-P8200-00	Pan	25IP
M5-0.8	12mm	3BT-P844 -00	Pan	25IP
M5-0.8	16mm	3BT-P8201-00	Pan	25IP
M5-0.8	20mm	3BT-P8202-00	Pan	25IP
M6 Diameter				
M6-1.0	12mm	3BT-P8205-00	Pan	30IP
M6-1.0	16mm	3BT-P8206-00	Pan	30IP
M6-1.0	20mm	3BT-P8207-00	Pan	30IP
M6-1.0	25mm	3BT-P8208-00	Pan	30IP

Plastite® fasteners combine a unique trilobular body with a narrow thread profile to maximize performance in thermoplastics.

Specifications

- Sizes: #0 to 1/4"
- M2.26 to M5.28
- Head Styles: Pan and flat
- Threads: 48° twin helix
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Heat treat: Through hardened
- Plating: Zinc and clear chromate

Features

- Three thread angel/helix angle combinations available to meet the needs of specific applications
- Trilobular configuration

Benefits

- Reduces possibility of boss failure
- Increases product reliability
- Eliminates need for inserts and lock washers



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#0 Diameter				
0-42	3/16"	3BT-P8235-00	Pan	5IP
0-42	3/16"	3BT-F859 -00	Flat	3IP
0-42	1/4"	3BT-P8236-00	Flat	3IP
0-42	1/4"	3BT-F852 -00	Pan	5IP
0-42	3/8"	3BT-P8238-00	Pan	5IP
0-42	3/8"	3BT-F858 -00	Flat	3IP
#1 Diameter				
1-32	3/16"	3BT-P8239-00	Pan	6IP
1-32	1/4"	3BT-P8240-00	Pan	6IP
1-32	1/4"	3BT-F822 -00	Flat	5IP
1-32	3/8"	3BT-P8242-00	Pan	6IP
#2 Diameter				
2-28	1/4"	3BT-P8243-00	Pan	7IP
2-28	1/4"	3BT-F823-00	Flat	6IP
2-28	3/8"	3BT-P8245-00	Pan	7IP
2-28	1/2"	3BT-P8246-00	Pan	7IP
2-28	1/2"	3BT-F856 -00	Flat	6IP
2-28	5/8"	3BT-P8247-00	Pan	7IP
#3 Diameter				
3-24	1/4"	3BT-P8249-00	Pan	8IP
3-24	3/8"	3BT-P8251-00	Pan	8IP
3-24	3/8"	3BT-F824-00	Flat	8IP
3-24	1/2"	3BT-P8252-00	Pan	8IP
3-24	3/4"	3BT-P8254-00	Pan	8IP
#4 Diameter				
4-20	1/4"	3BT-P8255-00	Pan	10IP

Plastite® Thread-Forming Screws

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
4-20	1/4"	3BT-F861 -00	Flat	8IP
4-20	5/16"	3BT-P8256-00	Pan	10IP
4-20	3/8"	3BT-P8257-00	Pan	10IP
4-20	3/8"	3BT-F825 -00	Flat	8IP
4-20	1/2"	3BT-P8259-00	Pan	10IP
4-20	1/2"	3BT-F860 -00	Flat	8IP
4-20	5/8"	3BT-P8260-00	Pan	10IP
4-20	3/4"	3BT-P8261-00	Pan	10IP
#6 Diameter				
6-19	1/4"	3BT-P8262-00	Pan	15IP
6-19	1/4"	3BT-F863 -00	Flat	10IP
6-19	5/16"	3BT-P8263-00	Pan	15IP
6-19	3/8"	3BT-P8264-00	Pan	15IP
6-19	1/2"	3BT-P8265-00	Pan	15IP
6-19	1/2"	3BT-F826 -00	Flat	10IP
6-19	3/4"	3BT-P8267-00	Pan	15IP
6-19	3/4"	3BT-F862 -00	Flat	10IP
#8 Diameter				
8-16	1/4"	3BT-P8653-00	Pan	20IP
8-16	1/4"	3BT-F865 -00	Flat	15IP
8-16	3/8"	3BT-P8272-00	Pan	20IP
8-16	1/2"	3BT-P8273-00	Pan	20IP
8-16	1/2"	3BT-F827 -00	Flat	15IP
8-16	3/4"	3BT-P8275-00	Pan	20IP
8-16	3/4"	3BT-F864 -00	Flat	15IP
8-16	1"	3BT-P8276-00	Pan	20IP
#10 Diameter				
10-14	1/2"	3BT-P8281-00	Pan	25IP
10-14	1/2"	3BT-F829 -00	Flat	20IP
10-14	3/4"	3BT-P8283-00	Pan	25IP
10-14	3/4"	3BT-F857 -00	Flat	20IP
10-14	1"	3BT-P8284-00	Pan	25IP
10-14	1 1/4"	3BT-P8651-00	Pan	25IP
10-14	1 1/4"	3BT-F854 -00	Flat	20IP
10-14	1 1/2"	3BT-P8652-00	Pan	25IP
10-14	1 1/2"	3BT-F855 -00	Flat	20IP

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
1/4" Diameter				
1/4-10	1/2"	3BT-P8289-00	Pan	30IP
1/4-10	3/4"	3BT-P8291-00	Pan	30IP
1/4-10	1"	3BT-P8292-00	Pan	30IP
1/4-10	1 1/4"	3BT-P8293-00	Pan	30IP
1/4-10	1 1/2"	3BT-P8650-00	Pan	30IP
M2.26 Diameter				
M2.26-0.91	4mm	3BT-P8315-00	Pan	6IP
M2.26-0.91	6mm	3BT-P8317-00	Pan	6IP
M2.26-0.91	8mm	3BT-P8318-00	Pan	6IP
M2.26-0.91	10mm	3BT-P8319-00	Pan	6IP
M2.63 Diameter				
M2.63-1.06	6mm	3BT-P8321-00	Pan	8IP
M2.63-1.06	8mm	3BT-P8322-00	Pan	8IP
M2.63-1.06	10mm	3BT-P8323-00	Pan	8IP
M2.63-1.06	12mm	3BT-P8324-00	Pan	8IP
M3.12 Diameter				
M3.12-1.27	6mm	3BT-P8325-00	Pan	10IP
M3.12-1.27	8mm	3BT-P8326-00	Pan	10IP
M3.12-1.27	10mm	3BT-P8327-00	Pan	10IP
M3.12-1.27	16mm	3BT-P8329-00	Pan	10IP
M3.63 Diameter				
M3.63-1.34	6mm	3BT-P8330-00	Pan	15IP
M3.63-1.34	8mm	3BT-P8331-00	Pan	15IP
M3.63-1.34	10mm	3BT-P8332-00	Pan	15IP
M3.63-1.34	12mm	3BT-P8333-00	Pan	15IP
M3.63-1.34	16mm	3BT-P8334-00	Pan	15IP
M3.63-1.34	20mm	3BT-P8335-00	Pan	15IP
M5.28 Diameter				
M5.28-1.81	10mm	3BT-P8350-00	Pan	25IP
M5.28-1.81	12mm	3BT-P8351-00	Pan	25IP
M5.28-1.81	16mm	3BT-P8352-00	Pan	25IP
M5.28-1.81	20mm	3BT-P8353-00	Pan	25IP
M5.28-1.81	25mm	3BT-P8354-00	Pan	25IP
M5.28-1.81	30mm	3BT-P8355-00	Pan	25IP

Stainless Steel Plastite® Thread Forming Screws

Stainless Steel Plastite® fasteners combine a unique trilobular body with a narrow thread profile to maximize performance in thermoplastics requiring corrosion resistance.

Specifications

- Sizes: #0 to #8
- Head Styles: Pan and flat
- Drive System: TORX PLUS® Drive
- Material: 302 stainless steel

Plating: Passivated

Features

- Three thread angel/helix angle combinations available to meet the needs of specific applications
- Trilobular configuration

Benefits

- Resists corrosion
- Reduces possibility of boss failure
- Increases product reliability
- Eliminates need for inserts and lock washers



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#0 Diameter				
0-42	1/4"	3BT-P917-00	Pan	5IP
0-42	3/8"	3BT-P918-00	Pan	5IP
#2 Diameter				
2-28	1/4"	3BT-P919-00	Pan	7IP
2-28	1/4"	3BT-F905-00	Flat	6IP
2-28	3/8"	3BT-P920-00	Pan	7IP
2-28	1/2"	3BT-P921-00	Pan	7IP
2-28	3/4"	3BT-P922-00	Pan	7IP
#4 Diameter				
4-20	1/4"	3BT-P911-00	Pan	10IP
4-20	3/8"	3BT-P912-00	Pan	10IP
4-20	1/2"	3BT-P913-00	Pan	10IP
4-20	3/4"	3BT-P914-00	Pan	10IP
#6 Diameter				
6-19	1/4"	3BT-P924-00	Pan	15IP
6-19	3/8"	3BT-P925-00	Pan	15IP
6-19	1/2"	3BT-P926-00	Pan	15IP
6-19	1/2"	3BT-F906-00	Flat	10IP
6-19	3/4"	3BT-P927-00	Pan	15IP
#8 Diameter				
8-16	3/8"	3BT-P915-00	Pan	20IP
8-16	1/2"	3BT-P916-00	Pan	20IP

PT® fasteners are engineered to provide increased thread engagement in thermoplastic applications.

Specifications

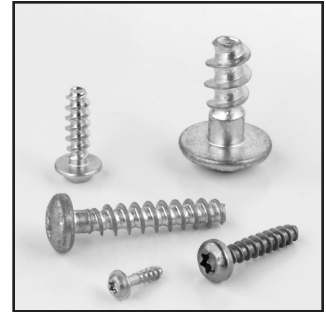
- Sizes: M2.5 to M4
- Head Styles: Pan
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Heat treat: Through hardened
- Plating: Zinc and clear chromate

Features

- Narrow 30° thread profile
- Optimum thread pitch
- Round body
- Recessed thread root

Benefits

- Provides maximum resistance to back-out and pull-out
- Minimizes boss failure



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
K25 (2.5mm Diameter)				
K25-1.12	6mm	3BT-P8000-00	Pan	6IP
K25-1.12	8mm	3BT-P8001-00	Pan	6IP
K25-1.12	10mm	3BT-P8002-00	Pan	6IP
K30 (3mm Diameter)				
K30-1.34	6mm	3BT-P8003-00	Pan	8IP
K30-1.34	8mm	3BT-P8004-00	Pan	8IP
K30-1.34	10mm	3BT-P8005-00	Pan	8IP
K35 (3.5mm Diameter)				
K35-1.57	8mm	3BT-P8006-00	Pan	10IP
K35-1.57	10mm	3BT-P8007-00	Pan	10IP
K40 (4mm Diameter)				
K40-1.79	8mm	3BT-P8008-00	Pan	15IP
K40-1.79	10mm	3BT-P8009-00	Pan	15IP

Delta PT® Thread Forming Screws

Delta PT® fasteners are engineered to create optimal material flow during installation, resulting in better clamp loads and increased joint life in a wide range of plastic materials.

Specifications

- Sizes: M1.4 to M5
- Head Styles: Pan and flat
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Heat treat: Through hardened
- Plating: Zinc and clear chromate

Features

- Flank geometry engineered to provide better material flow during installation combined with high flank engagement
- Large fastener cross-section increases shear area and fastener strength
- Optimized pitch allows high clamp loads with smaller contact pressure

Benefits

- Minimizes radial stress
- Offers increased fatigue life
- Provides increased torsional and tensile strength



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
Delta PT 14 (1.4 mm Diameter)				
D14-0.57	2mm	3BT-P8559-00	Pan	3IP
D14-0.57	3mm	3BT-P8560-00	Pan	3IP
D14-0.57	4mm	3BT-P8561-00	Pan	3IP
Delta PT 16 (1.6 mm Diameter)				
D16-0.64	3mm	3BT-P8562-00	Pan	5IP
D16-0.64	4mm	3BT-P8563-00	Pan	5IP
D16-0.64	5mm	3BT-P8564-00	Pan	5IP
Delta PT 18 (1.8 mm Diameter)				
D18-0.71	4mm	3BT-P8565-00	Pan	6IP
D18-0.71	6mm	3BT-P8566-00	Pan	6IP
D18-0.71	8mm	3BT-P8567-00	Pan	6IP
D18-0.71	10mm	3BT-P8568-00	Pan	6IP
Delta PT 20 (2 mm Diameter)				
D20-0.78	4mm	3BT-P8569-00	Pan	6IP
D20-0.78	4mm	3BT-F851 -00	Flat	6IP
D20-0.78	6mm	3BT-P8571-00	Pan	6IP
D20-0.78	8mm	3BT-P8572-00	Pan	6IP
D20-0.78	10mm	3BT-P8573-00	Pan	6IP
D20-0.78	12mm	3BT-P8574-00	Pan	6IP
Delta PT 22 (2.2 mm Diameter)				
D22-0.85	4mm	3BT-P8575-00	Pan	6IP
D22-0.85	6mm	3BT-P8576-00	Pan	6IP
D22-0.85	8mm	3BT-P8577-00	Pan	6IP
D22-0.85	10mm	3BT-P8578-00	Pan	6IP
D22-0.85	12mm	3BT-P8579-00	Pan	6IP

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
Delta PT 25 (2.5 mm Diameter)				
D25-0.95	6mm	3BT-P8580-00	Pan	8IP
D25-0.95	6mm	3BT-F849-00	Flat	8IP
D25-0.95	8mm	3BT-P8581-00	Pan	8IP
D25-0.95	10mm	3BT-P8582-00	Pan	8IP
D25-0.95	12mm	3BT-P8583-00	Pan	8IP
D25-0.95	14mm	3BT-P8584-00	Pan	8IP
Delta PT 30 (3 mm Diameter)				
D30-1.12	6mm	3BT-P8585-00	Pan	10IP
D30-1.12	8mm	3BT-P8586-00	Pan	10IP
D30-1.12	10mm	3BT-P8587-00	Pan	10IP
D30-1.12	12mm	3BT-P8588-00	Pan	10IP
D30-1.12	16mm	3BT-P8589-00	Pan	10IP
D30-1.12	20mm	3BT-P8590-00	Pan	10IP
Delta PT 35 (3.5 mm Diameter)				
D35-1.29	8mm	3BT-P8591-00	Pan	15IP
D35-1.29	10mm	3BT-P8592-00	Pan	15IP
D35-1.29	12mm	3BT-P8593-00	Pan	15IP
Delta PT 40 (4 mm Diameter)				
D40-1.46	8mm	3BT-P8596-00	Pan	20IP
D40-1.46	10mm	3BT-P8597-00	Pan	20IP
D40-1.46	12mm	3BT-P8598-00	Pan	20IP
D40-1.46	16mm	3BT-P8599-00	Pan	20IP
D40-1.46	20mm	3BT-P8600-00	Pan	20IP
Delta PT 50 (5 mm Diameter)				
D50-1.63	10mm	3BT-P8607-00	Pan	25IP
D50-1.63	12mm	3BT-P8608-00	Pan	25IP
D50-1.63	16mm	3BT-P8609-00	Pan	25IP
D50-1.63	20mm	3BT-P8610-00	Pan	25IP

Mag-Form® Thread-forming Fasteners

Mag-Form® fasteners were engineered to minimize debris generation when tapping into conventional magnesium die-castings and other low-ductile materials.

Specifications

- Sizes: M1.4 to M6
- Head Styles: Pan and flat
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Heat treat: Through hardened
- Plating: Zinc and clear chromate

Features

- Lobular Configuration
- Wide-spaced thread design
- Broad flank angle compresses, rather than roll-forms, threads into the mating material

Benefits

- Minimizes debris generation
- Forms strong threads in low-ductile materials
- Easily removed and reinserted for service in the field



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
MG1.4 (1.4 mm Diameter)				
MG1.4-0.60	6mm	3BT-P8642-00	Pan	5IP
MG1.6 (1.6 mm Diameter)				
MG1.6-0.70	3mm	3BT-P873-00	Pan	6IP
MG1.6-0.70	5mm	3BT-P856-00	Pan	6IP
MG1.6-0.70	6mm	3BT-P857-00	Pan	6IP
MG1.6-0.70	8mm	3BT-P858-00	Pan	6IP
MG2 (2 mm Diameter)				
MG2-0.80	5mm	3BT-P861-00	Pan	6IP
MG2-0.80	6mm	3BT-P862-00	Pan	6IP
MG2-0.80	6mm	3BT-F804-00	Flat	6IP
MG2-0.80	8mm	3BT-P863-00	Pan	6IP
MG2-0.80	10mm	3BT-P864-00	Pan	6IP
MG2-0.80	12mm	3BT-P865-00	Pan	6IP
MG2-0.80	15mm	3BT-P866-00	Pan	6IP
MG2.5 (2.5 mm Diameter)				
MG2.5-0.90	6mm	3BT-P806-00	Pan	8IP
MG2.5-0.90	8mm	3BT-P807-00	Pan	8IP
MG2.5-0.90	10mm	3BT-P805-00	Pan	8IP
MG3 (3 mm Diameter)				
MG3-1.0	6mm	3BT-P868-00	Pan	10IP
MG3-1.0	8mm	3BT-P869-00	Pan	10IP
MG3-1.0	10mm	3BT-P870-00	Pan	10IP
MG3-1.0	12mm	3BT-P871-00	Pan	10IP
MG3-1.0	12mm	3BT-F803-00	Flat	10IP
MG3-1.0	15mm	3BT-P872-00	Pan	10IP

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
MG3-1.0	15mm	3BT-P802-00	Flat	10IP
MG3.5 (3.5 mm Diameter)				
MG3.5-1.20	6mm	3BT-P886-00	Pan	15IP
MG3.5-1.20	8mm	3BT-P885-00	Pan	15IP
MG3.5-1.20	10mm	3BT-P884-00	Pan	15IP
MG3.5-1.20	12mm	3BT-P883-00	Pan	15IP
MG3.5-1.20	15mm	3BT-P882-00	Pan	15IP
MG4 (4 mm Diameter)				
MG4-.140	8mm	3BT-P879 -00	Pan	20IP
MG4-.140	10mm	3BT-P878 -00	Pan	20IP
MG4-.140	12mm	3BT-P877-00	Pan	20IP
MG4-.140	15mm	3BT-P876-00	Pan	20IP
MG4-.140	18mm	3BT-P875-00	Pan	20IP
MG4-.140	24mm	3BT-P874-00	Pan	20IP
MG5 (5 mm Diameter)				
MG5-1.60	10mm	3BT-P891-00	Pan	25IP
MG5-1.60	12mm	3BT-P892-00	Pan	25IP
MG5-1.60	15mm	3BT-P888-00	Pan	25IP
MG6 (6 mm Diameter)				
MG6-2.0	10mm	3BT-P897-00	Pan	30IP
MG6-2.0	12mm	3BT-P896-00	Pan	30IP
MG6-2.0	15mm	3BT-P893-00	Pan	30IP
MG6-2.0	18mm	3BT-P894-00	Pan	30IP
MG6-2.0	24mm	3BT-P895-00	Pan	30IP

Torx Plus® Machine Screws

This patented drive system has been proven to outperform and outlast every other drive system available today.

Specifications

- Sizes: #0 to 1/4"
- M2 to 16
- Head Styles: Pan and flat
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Plating: Zinc and clear chromate

Features

- 0° drive angle
- Elliptical geometric configuration maximizes drive bit engagement
- Large cross-sectional area at lobes
- Vertical sidewalls

Benefits

- TORX PLUS Drive virtually eliminates camout and tool slippage
- Ensures optimum torque transmission
- Provides increased tool life
- Reduces worker fatigue and muscular stress



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#0 Diameter				
0-80	1/8"	3BT-P8375-00	Pan	5IP
0-80	3/16"	3BT-P8376-00	Pan	5IP
0-80	1/4"	3BT-P8377-00	Pan	5IP
0-80	3/8"	3BT-P8378-00	Pan	5IP
#2 Diameter				
2-56	3/16"	3BT-P8384-00	Pan	7IP
2-56	1/4"	3BT-P8385-00	Pan	7IP
2-56	1/4"	3BT-F830 -00	Flat	6IP
2-56	5/16"	3BT-P8386-00	Pan	7IP
2-56	3/8"	3BT-P8388-00	Pan	7IP
2-56	1/2"	3BT-P8389-00	Pan	7IP
#4 Diameter				
4-40	1/4"	3BT-P8394-00	Pan	10IP
4-40	3/8"	3BT-P8396-00	Pan	10IP
4-40	3/8"	3BT-F832 -00	Flat	8IP
4-40	1/2"	3BT-P8397-00	Pan	10IP
4-40	3/4"	3BT-P8398-00	Pan	10IP
4-40	1"	3BT-P8399-00	Pan	10IP
#6 Diameter				
6-32	1/4"	3BT-P8405-00	Pan	15IP
6-32	3/8"	3BT-P8407-00	Pan	15IP
6-32	3/8"	3BT-F834 -00	Flat	10IP
6-32	1/2"	3BT-P8408-00	Pan	15IP
6-32	1/2"	3BT-F835 -00	Flat	10IP
6-32	5/8"	3BT-P8409-00	Pan	15IP

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
6-32	3/4"	3BT-P8410-00	Pan	15IP
6-32	1"	3BT-P8411-00	Pan	15IP
#8 Diameter				
8-32	1/4"	3BT-P8412-00	Pan	20IP
8-32	3/8"	3BT-P8414-00	Pan	20IP
8-32	3/8"	3BT-F837 -00	Flat	15IP
8-32	1/2"	3BT-P8415-00	Pan	20IP
8-32	1/2"	3BT-F838 -00	Flat	15IP
8-32	5/8"	3BT-P8416-00	Pan	20IP
8-32	3/4"	3BT-P8417-00	Pan	20IP
#10 Diameter				
10-32	3/8"	3BT-P8424-00	Pan	25IP
10-32	1/2"	3BT-P8425-00	Pan	25IP
10-32	5/8"	3BT-P8426-00	Pan	25IP
10-32	3/4"	3BT-P8427-00	Pan	25IP
1/4" Diameter				
1/4-20	1/2"	3BT-P8433-00	Pan	30IP
1/4-20	3/4"	3BT-P8435-00	Pan	30IP
1/4-20	1"	3BT-P8436-00	Pan	30IP
M2 Diameter				
M2-0.4	4mm	3BT-P8472-00	Pan	6IP
M2-0.4	6mm	3BT-P8473-00	Pan	6IP
M2-0.4	8mm	3BT-P8474-00	Pan	6IP
M2-0.4	10mm	3BT-P8475-00	Pan	6IP
M2.5 Diameter				
M2.5-0.45	4mm	3BT-P8476-00	Pan	8IP
M2.5-0.45	6mm	3BT-P8478-00	Pan	8IP
M2.5-0.45	6mm	3BT-F841 -00	Flat	8IP
M2.5-0.45	8mm	3BT-P8479-00	Pan	8IP
M2.5-0.45	10mm	3BT-P8480-00	Pan	8IP
M2.5-0.45	12mm	3BT-P8481-00	Pan	8IP
M3 Diameter				
M3-0.5	6mm	3BT-P8482-00	Pan	10IP
M3-0.5	8mm	3BT-P8483-00	Pan	10IP
M3-0.5	8mm	3BT-F843 -00	Flat	10IP
M3-0.5	10mm	3BT-P8484-00	Pan	10IP
M3-0.5	12mm	3BT-P8485-00	Pan	10IP

Torx Plus® Machine Screws

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
M3-0.5	16mm	3BT-P8486-00	Pan	10IP
M4 Diameter				
M4-0.7	6mm	3BT-P8492-00	Pan	20IP
M4-0.7	8mm	3BT-P8493-00	Pan	20IP
M4-0.7	10mm	3BT-P8494-00	Pan	20IP
M4-0.7	12mm	3BT-P8495-00	Pan	20IP
M4-0.7	16mm	3BT-P8496-00	Pan	20IP
M4-0.7	20mm	3BT-P8497-00	Pan	20IP
M5 Diameter				
M5-0.8	10mm	3BT-P8503-00	Pan	25IP
M5-0.8	12mm	3BT-P8504-00	Pan	25IP
M5-0.8	16mm	3BT-P8505-00	Pan	25IP
M5-0.8	20mm	3BT-P8506-00	Pan	25IP
M5-0.8	25mm	3BT-P8507-00	Pan	25IP
M6 Diameter				
M6-1.0	12mm	3BT-P8508-00	Pan	30IP
M6-1.0	16mm	3BT-P8509-00	Pan	30IP

Torx Plus® Stainless Steel Machine Screws

Stainless steel Torx Plus® machine screws improve assembly line performance, reduce in-place costs and provide resistance to corrosion in critical applications.

Specifications

- Sizes: #0 to #8
- M2 to M5
- Head Styles: Pan and flat
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Plating: Zinc and clear chromate

Features

- 0° drive angle
- Elliptical geometric configuration maximizes drive bit engagement
- Large cross-sectional area at lobes
- Vertical sidewalls

Benefits

- Provides corrosion resistance and non-magnetic properties
- TORX PLUS Drive virtually eliminates camout and tool slippage
- Ensures optimum torque transmission
- Provides increased tool life
- Reduces worker fatigue and muscular stress



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#0 Diameter				
0-80	1/8"	3BT-P933-00	Pan	5IP
0-80	3/16"	3BT-P951-00	Pan	5IP
0-80	1/4"	3BT-P932-00	Pan	5IP
#1 Diameter				
1-64	3/16"	3BT-P949-00	Pan	6IP
#2 Diameter				
2-56	3/16"	3BT-P946-00	Pan	7IP
2-56	1/4"	3BT-F913-00	Flat	6IP
2-56	1/4"	3BT-P907-00	Pan	7IP
2-56	1/4"	3BT-C904-00	Socket Head Cap	8IP
#4 Diameter				
4-40	1/8"	3BT-B914-00	Button	6IP
4-40	3/16"	3BT-B913-00	Button	6IP
4-40	3/16"	3BT-P943-00	Pan	10IP
4-40	1/4"	3BT-P937-00	Pan	10IP
4-40	1/4"	3BT-F907-00	Flat	8IP
4-40	3/8"	3BT-F909-00	Flat	8IP
4-40	3/8"	3BT-P942-00	Pan	10IP
4-40	3/8"	3BT-C905-00	Socket Head Cap	10IP
4-40	1/2"	3BT-P941-00	Pan	10IP
#6 Diameter				
6-32	1/4"	3BT-B916-00	Button	10IP
6-32	1/4"	3BT-P908-00	Pan	15IP
6-32	3/8"	3BT-P909-00	Pan	15IP
6-32	3/8"	3BT-B915-00	Button	10IP

Torx Plus® Stainless Steel Machine Screws

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
6-32	1/2"	3BT-P910 -00	Pan	15IP
#8 Diameter				
8-32	1/4"	3BT-P904 -00	Pan	20IP
8-32	3/8"	3BT-P905 -00	Pan	20IP
8-32	1/2"	3BT-P906 -00	Pan	20IP
8-32	1/2"	3BT-F902 -00	Flat	15IP
M2 Diameter				
M2-0.4	4mm	3BT-P935 -00	Pan	6IP
M2-0.4	6mm	3BT-P936 -00	Pan	6IP
M2-0.4	10mm	3BT-P934 -00	Pan	6IP
M3 Diameter				
M3-0.5	6mm	3BT-P900 -00	Pan	10IP
M3-0.5	8mm	3BT-P901 -00	Pan	10IP
M3-0.5	10mm	3BT-P902 -00	Pan	10IP
M3-0.5	14mm	3BT-P903 -00	Pan	10IP
M4 Diameter				
M4-0.7	6mm	3BT-P939 -00	Pan	20IP
M4-0.7	8mm	3BT-P940 -00	Pan	20IP
M4-0.7	12mm	3BT-P938 -00	Pan	20IP
M5 Diameter				
M5-0.8	10mm	3BT-P923 -00	Pan	20IP

Torx Plus® Machine Screws with Crest Cup® Washer

Outstanding engineering and versatility make the Crest Cup® spring washer assembly the ideal alternative to helical/flat washer assemblies and most other commonly-used washers.

Specifications

- Sizes: #2 to 1/4"
- M3 to M4
- Head Styles: Pan
- Drive System: TORX PLUS® Drive
- Material: Low carbon steel
- Plating: Zinc and clear

Features

- Washer stamped into broad pentagonal shape
- Manufacturing method forms burr upwards, producing a truly flat bearing surface, free of sharp edges
- Preassembled to fasteners

Benefits

- Can eliminate double washer combinations
- Eliminates handling of loose washers and screws
- Adapts easily to automatic assembly equipment
- Maximizes joint integrity
- Helps prevent embedding, notching and marring in application materials



THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
#2 Diameter				
2-56	1/4"	3BT-P824 -00	Pan	7IP
2-56	3/8"	3BT-P825 -00	Pan	7IP
#4 Diameter				
4-40	1/4"	3BT-P855 -00	Pan	10IP
4-40	3/8"	3BT-P838 -00	Pan	10IP
4-40	1/2"	3BT-P854 -00	Pan	10IP
#6 Diameter				
6-32	1/4"	3BT-P833 -00	Pan	15IP
6-32	3/8"	3BT-P834 -00	Pan	15IP
6-32	1/2"	3BT-P835 -00	Pan	15IP
6-32	3/4"	3BT-P836 -00	Pan	15IP
6-32	1"	3BT-P837 -00	Pan	15IP
#8 Diameter				
8-32	1/4"	3BT-P830 -00	Pan	20IP
8-32	3/8"	3BT-P831 -00	Pan	20IP
8-32	1/2"	3BT-P832 -00	Pan	20IP
#10 Diameter				
10-32	3/8"	3BT-P828 -00	Pan	25IP
10-32	1/2"	3BT-P829 -00	Pan	25IP
1/4" Diameter				
1/4-20	1/2"	3BT-P826 -00	Pan	30IP
M3 Diameter				
M3-0.5	6mm	3BT-P843-00	Pan	10IP
M3-0.5	8mm	3BT-P8631-00	Pan	10IP
M3-0.5	10mm	3BT-P8632 -00	Pan	10IP

Crest Cup® Spring Washer Assembly

THREAD SIZE	LENGTH	PART NUMBER	HEAD STYLE	RECESS
M4 Diameter				
M4-0.7	6mm	3BT-P842-00	Pan	20IP
M4-0.7	8mm	3BT-P839-00	Pan	20IP
M4-0.7	10mm	3BT-P841-00	Pan	20IP
M4-0.7	12mm	3BT-P840-00	Pan	20IP
M5 Diameter				
M5-0.8	10mm	3BT-P827-00	Pan	25IP

This patented drive system has been proven to outperform and outlast every traditional drive system available today.

Features

- 0° drive angle
- Elliptical geometric configuration maximizes drive bit engagement
- Large cross-sectional area at lobes
- Vertical sidewalls

Benefits

- Provides an average 100% improvement in drive bit life
- Can reduce assembly downtime by reducing the number of bit changes and rework
- Optimizes torque transfer
- Virtually eliminates camout
- Reduces driver end load and worker fatigue
- Reduces annual drive bit costs



SIZE	LENGTH	PRODUCT NUMBER	SIZE	LENGTH	PRODUCT NUMBER
Torx Plus Hex Insert Bits (1/4" Hex Shank)			Torx Plus Power Bits (1/4" Shank)		
3IP	1	357-P0301-61	6IP	2	357-P0603-21
4IP	1	357-P0401-61	7IP	2	357-P0703-21
5IP	1	357-P0501-61	8IP	2	357-P0803-21
6IP	1	357-P0601-61	10IP	2	357-P1003-21
7IP	1	357-P0701-61	15IP	2	357-P1503-21
8IP	1	357-P0801-61	20IP	2	357-P2003-21
10IP	1	357-P1001-61	25IP	2	357-P2503-21
15IP	1	357-P1501-61	27IP	2	357-P2703-21
20IP	1	357-P2001-61	30IP	2	357-P3003-21
25IP	1	357-P2501-61	40IP	2	357-P4003-21
27IP	1	357-P2701-61	6IP	2-3/4	357-P0604-41
30IP	1	357-P3001-61	7IP	2-3/4	357-P0704-41
40IP	1	357-P4001-61	8IP	2-3/4	357-P0804-41
Torx Plus Hex Insert Bits (5/16" Hex Shank)			10IP	2-3/4	357-P1004-41
30IP	1-1/4	357-P3002-01	15IP	2-3/4	357-P1504-41
40IP	1-1/4	357-P4002-01	20IP	2-3/4	357-P2004-41
45IP	1-1/4	357-P4502-01	25IP	2-3/4	357-P2504-41
Torx Plus Hex Insert Bits (5/8" Hex Shank)			27IP	2-3/4	357-P2704-41
50IP	1-1/2	357-P5002-41	30IP	2-3/4	357-P3004-41
55IP	1-1/2	357-P5502-41	40IP	2-3/4	357-P4004-41
60IP	1-1/2	357-P6002-41	6IP	3-1/2	357-P0605-61
70IP	1-1/2	357-P7002-41	7IP	3-1/2	357-P0705-61
Torx Plus Hex Insert Bits (7/8" Hex Shank)			8IP	3-1/2	357-P0805-61
80IP	2	357-P8003-21	10IP	3-1/2	357-P1005-61
			15IP	3-1/2	357-P1505-61
			20IP	3-1/2	357-P2005-61
			25IP	3-1/2	357-P2505-61
			27IP	3-1/2	357-P2705-61
			30IP	3-1/2	357-P3005-61
			8IP	6	357-P0809-61
			10IP	6	357-P1009-61
			15IP	6	357-P1509-61
			20IP	6	357-P2009-61
			25IP	6	357-P2509-61
			27IP	6	357-P2709-61
			30IP	6	357-P3009-61

Non Standard Items

The products in this catalog are considered engineered standards. Through years of product development and analysis, we selected these products to provide you with the highest quality at the lowest installed costs. Using products from this catalog offer a broad range of benefits, including:

Benefits of Using Engineered Standards

- Many products are in-stock for immediate delivery
- Lower costs versus specials
- Fast turnaround on quotes
- Lower in-place costs
- Easier ordering processes
- Shorter lead times
- Available globally
- Assists in part consolidation and standardization efforts
- Smaller minimum order quantities
- Faster access to samples for prototypes and testing activities

However, we also recognize that all applications are unique and may require fastening solutions that are not considered standard. Because we offer such extensive manufacturing capabilities, you can customize the fastener to meet the specific needs of your applications.



Customizable Product Features

Materials:
Acument™ Global Technologies' manufacturing capabilities allow us to manufacture products from low carbon steel; medium carbon and alloy steel; stainless steel; aluminum; brass; copper; high technology alloys; and other materials.

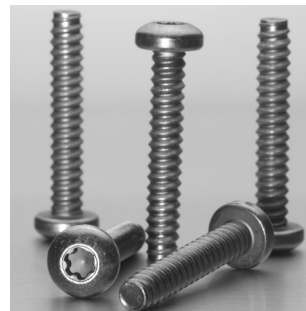


Platings:
We offer the complete range of platings. The most commonly used include phosphate and zinc. To match your color requirements, we offer zinc and various color dichromates.

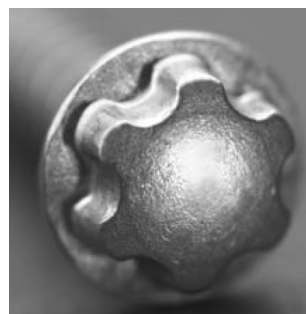
Diameters:
For a wide range of products, we can manufacture in sizes as small as 1mm

in metric and #000 in inch sizes. For larger sizes, we can manufacture up to 38mm in metric and 1-1/2" in inch sizes.

Lengths:
We manufacture from .060" – 17" (2mm – 430mm) under the head.



Head Styles:
Many products are available in a variety of head styles, including pan, flat, oval, button, socket head cap, hex washer, external TORX PLUS Drive, external TORX® Drive, trimmed hex, fillister, 12-point, wafer, truss, binding, and others as required.

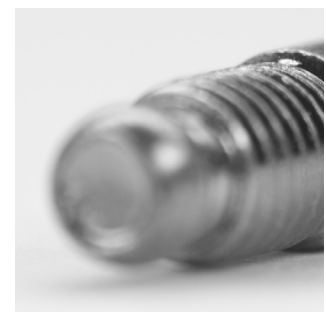


Drive Systems:
For optimal assembly line performance, we recommend use of the TORX

PLUS Drive System. However, we also offer TORX, phillips, hex, slotted, square, 12-point, Pozidriv®, tamper-resistant and other drive systems.

Tolerances:
Our standard tolerances follow IFI, DIN, ANSI, ASTM, SAE, and other consensus standards. For applications requiring tighter tolerances, please contact an Acument™ Global Technologies application specialist.

Special Features:
Our secondary manufacturing capabilities allow us to enhance the fastener to meet your specific needs. We can add shoulders and perform such secondary operations as drilling, tapping, shaving, broaching, grinding, roll forming, burnishing, knurling, sawing, and reheading to manufacture to the shape and style you need.



Point Styles:
We can manufacture fasteners with a broad range

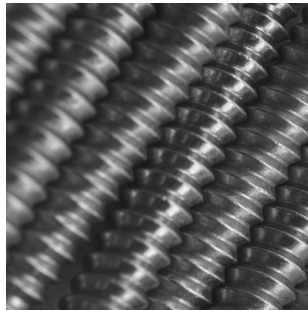
of point styles, including Acupoint®, header, blunt, chamfer, gimlet, pilot, pinch, spherical, dog, and others.



Washers:

We offer a complete range of captivated washer styles, including conventional, special, compression, and electrical.

Patches/Adhesives:
We offer nylon patches, adhesives, and other locking elements. Since each application is different, a patch or adhesive should be selected in conjunction with your Acument™ Global Technologies fastening expert.



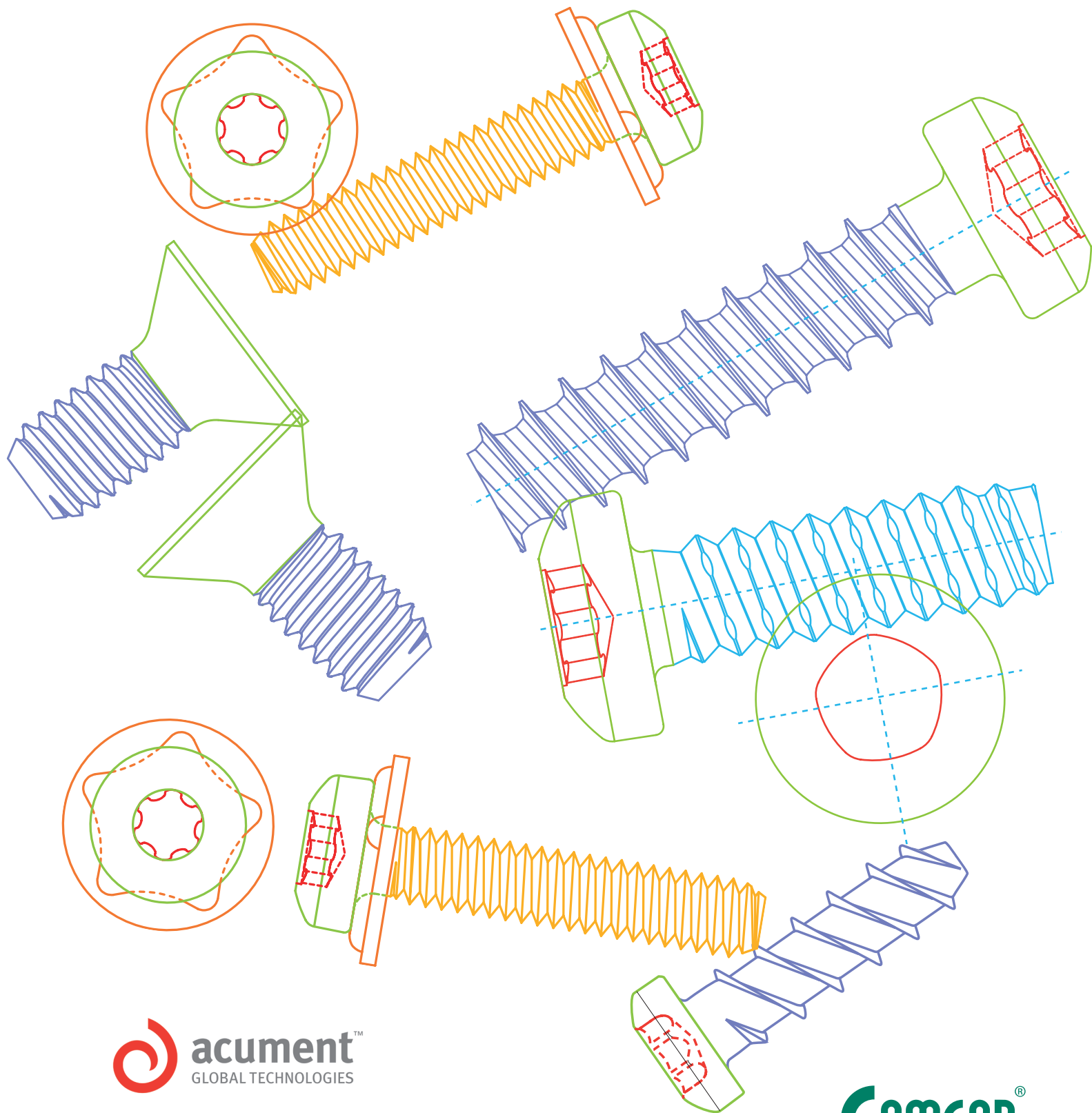
Heat Treating:
Several types of heat treating are available to meet desired hardness, strength and ductility characteristics. They include through hardening, case hardening, induction hardening, annealing, carbonitriding and vacuum hardening.

NOTE: In order to ensure the optimum fastener for your application, requirements of the individual application will determine the appropriate selection of product parameters.

Our application engineers are available to provide you with any design or fastener selection assistance you may require.



To be connected to an Acument™ Global Technologies applications engineer, or to inquire about a non-standard item, please call 1-800-544-6117.



Acument™ Global Technologies North America
 6125 18 Mile Road
 Sterling Heights, Michigan, 48314
 1-800-544-6117
acument.com
camcarsolutions.com
ringscrew.com



Decorah Operations
 1304 Kerr Drive
 Decorah, IA 52101-2494
 voice: 563.382.4216
 fax: 563.387.3326