

# Fastening Systems Solutions for Mini-Storage Construction

Your complete source for  
fasteners, tools, and accessories for  
mini-storage construction



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**TRIANGLE FASTENER CORPORATION**

*"Specialty Fasteners and Services for Construction"*

(800) 486-1832 / [www.trianglefastener.com](http://www.trianglefastener.com)

# Fastening Systems for Mini-Storage Construction

Not every construction project is the same...that's why our *Market Specific* approach to servicing your requirements are unmatched. We offer a complete line of fasteners, tools, and accessories for mini-storage construction. Professional grade products coupled with progressive inventory management systems assure you fast service at the lowest in-place cost.

*From ground up...let us show you that dealing with TFC is your only choice!*

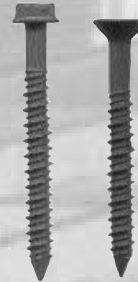
## CONCRETE ANCHORING

### Wedge Anchors



Diameter	Lengths
3/8-16	2-1/4", 2-3/4", 3", 3-3/4", 5", 7"
1/2-13	2-3/4", 3-3/4", 4-1/4", 4-1/2", 5-1/2", 7"
5/8-11	3-1/4", 4-1/4", 5", 6", 7" 8-1/2", 8-1/2", 10"
3/4-10	4-1/2", 4-3/4", 5-1/2", 6-1/4", 7", 8-1/2", 10", 12"

### TFC Tapcons



Diameter	Lengths
3/16"	1-1/4", 1-3/4", 2-1/4", 2-3/4", 3-1/4"
1/4"	1-1/4", 1-3/4", 2-1/4", 2-3/4", 3-1/4", 3-3/4", 4", 5", 6"

Slotted Hex Washer Head or  
Flat Countersunk Head

### Wedge Bolts



Diameter	Lengths
3/8"	1-1/2", 2", 2-1/2", 3", 3-1/2"
1/2"	1-3/4", 2", 2-1/2", 3", 3-1/2", 4"
5/8"	2-1/2", 3", 3-1/2", 4", 5"
3/4"	2-1/2", 3", 3-1/2", 4", 5", 6"

Requires proper carbide drill bit.  
Contact TFC for appropriate size.

**NEW!**

Designed to be used in place of  
standard wedge anchors.

*Faster and easier installation!  
Greater pullout values!*

### Bent Anchor Bolts



Diameter	Lengths
1/2"	6", 7", 8", 12"
5/8"	12", 15"
3/4"	12", 15", 18"
7/8"	15", 18"
1"	15", 18", 24"

### Zamacs



Diameter	Lengths
1/4"	1", 1-1/4", 1-1/2"

We carry a complete line of  
carbide tip concrete bits!



### Powder Actuated



TOOL: D45 Semi Automatic  
LOAD: .25 caliber 10 shot disk  
PINS: .145" diameter x 3/4", 1"  
PULLOUT  
Concrete (4,000PSI): 90 pounds

*Licensing Required to Operate Powder Actuated Tools.  
Contact TFC for training.*

### TrakFast Gas Charged



TOOL: TrakFast Gas Powered  
LOAD: Fuel Cell - 1,200 shots  
per fuel cell  
Battery - 3,000 shots  
per battery cell.  
PINS: .102" diameter x 1/2",  
3/4", 1", 1-1/4", 1-1/2"  
PULLOUT  
Concrete (4,000PSI): 55 pounds

*No Licensing Required to Operate TrakFast!*

BLAZER is tradename of Triangle Fastener Corporation.  
TORX is a tradename of Camcar/Textron  
TrakFast is a tradename of ITW Ramset/Redhead

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# METAL FASTENING

## BLAZER Self-drilling Fasteners

	Diameter	Lengths
	#10-16 DP3	3/4", 1", 1-1/2"
Framing Applications (Standard)		
	#12-14 DP3	3/4", 1", 1-1/4", 1-1/2", 2"
Panel Fastening (Structure)		
	#12-24 DP5	1-1/4", 1-1/2", 2"
Heavy Gauge (up to 1/2")		
	1/4-14 DP1/Lap	7/8"
Panel Fastening (Laps)		
	1/4-14 DP3	3/4", 7/8", 1", 1-1/4", 1-1/2", 2"
Framing Applications (Heavy Duty)		

### Available Head Styles

Pancake		<ul style="list-style-type: none"> <li>Carbon Steel and 410 Stainless Steel</li> <li>Zinc Head and 302 Stainless Steel Head</li> <li>Long-life coated</li> <li>EPDM Sealing Washers</li> <li>Fasteners for laps and structural steel up to 1/2" thick!</li> </ul>
Pan		
HWH		
Bonded		
Undercut		
Stainless		
Zinc		

### "Get a Grip" Rivets

Diameter	Grip	Length
1/8" (#42)	.063" - .125"	.275"
1/8" (#43)	.126" - .187"	.337"
Carbon Steel, Aluminum, Stainless Steel		



## PURLIN AND GIRT BOLTS, FIN NECK BOLTS, NUTS AND FLAT WASHERS

### Hex Head Bolts

Diameter	Lengths
1/2-13	1-1/4", 1-1/2"
5/8-11	1-1/2", 1-3/4", 2-1/2"
3/4-10	1-3/4", 2", 2-1/2", 2-3/4", 3"
7/8-9	2-1/4", 2-1/2", 3"
1-8	2-1/4", 2-1/2", 2-3/4", 3"

Grade 2  
Grade 5  
Grade 8  
A307  
A325

Plain finish or choose zinc plate that provide 48 hours of salt spray life!

### Tensile and Proof Load For Bolts

#### SAE Grade 1 - A307 Grade A&B

Diameter	Proof Load	Tensile Strength
1/2-13	4,680 lbs.	8,510 lbs. min.
5/8-11	7,460 lbs.	8,510 lbs. min.
3/4-10	11,000 lbs.	20,000 lbs. min.
1-8	20,000 lbs.	36,400 lbs. min.

#### SAE Grade 2

Diameter	Proof Load	Tensile Strength
1/2-13	7,800 lbs.	10,500 lbs. min.
5/8-11	12,400 lbs.	16,700 lbs. min.
3/4-10	18,400 lbs.	24,700 lbs. min.

#### SAE Grade 5 - 5.2 - A325 Type 1,2,3

Diameter	Proof Load	Tensile Strength
1/2-13	12,000 lbs.	17,000 lbs. min.
5/8-11	19,000 lbs.	27,100 lbs. min.
3/4-10	28,400 lbs.	40,100 lbs. min.
1-8	51,500 lbs.	72,700 lbs. min.

#### SAE Grade 8 - 8.2

Diameter	Proof Load	Tensile Strength
1/2-13	17,000 lbs.	21,300 lbs. min.
5/8-11	27,100 lbs.	33,900 lbs. min.
3/4-10	40,100 lbs.	50,100 lbs. min.
1-8	72,700 lbs.	90,900 lbs. min.

### Flange Head Bolts

Diameter	Lengths
1/2-13	1", 1-1/4", 1-1/2", 1-3/4", 2"

Grade 2  
Grade 8.2

Plated with JS500 finish good for 500 hours salt spray life!

Use flange head bolts in place of bolts and flat washers!

### Fin Neck Flat Head

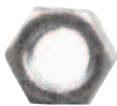
Diameter	Length
1/2-13	1-1/4"

Grade 2

Plated with JS500 finish good for 500 hours salt spray life!

### Nuts and Washers

**Hex Nuts**  
1/2", 5/8",  
3/4", 1"



**Hex Flange Nuts for 1/2" Bolts**  
3/4" across flats



**Flat Washers**  
1/2", 5/8",  
3/4", 1"



### Thread Stress Area

Diameter	Stress Area
1/2-13	.142 in. <sup>2</sup>
5/8-11	.226 in. <sup>2</sup>
3/4-10	.334 in. <sup>2</sup>
1-8	.606 in. <sup>2</sup>

### Mechanical Requirements

Grade	Proof Load	Tensile Strength	Diameter
1	33	60	1/4" thru 1-1/2"
2	55	74	1/4" thru 3/4"
			>3/4"
A307		60	1/4" thru 4"
5	85	120	1/4" thru 1"
A325	85	120	1/2" thru 1"
8	120	150	1/4 thru 1-1/2"
8.2	120	150	1/4" thru 1-1/2"

# Tools and Accessories

## Power Tools

### Electric Screwgun



RPM	P.N.	Recommended Use
0-1,000	DW269	18-8 SS Fasteners
0-2,000	DW267	1/4" and Heavy Gauge Drillers
0-2,500	DW268G	#6, #8, #10, #12 Drillers

We stock DeWalt, Bosch, Milwaukee, Porter Cable, and Matabo cordless and electric power tools, for sawing, drilling, grinding, shearing, and nibbling!

### Power Drive Bits



Full line for all your driving needs!

	Drive Size	Bit Lengths
Phillips	#1, #2, #3	2", 3-1/2", 6"
Square	#1, #2, #3	2"
Slotted	#6, #8, #10	3-1/2", 6"
Torx	T-20, T-25, T-30	

## Hand Tools

### Snips



Description	P.N.
Cuts straight, left & right (yellow grips)	SN00Y
Cuts left & straight (red grips)	SN00RP
Cuts right & straight (green grips)	SN00GP

### Insert Bits



For a variety of drives!

Phillips: #1, #2, #3  
 Square: #1, #2, #3  
 Torx: T-20, T-25, T-30  
 Quadrex  
 Tamperproof

### Locking "C" Clamps



Jaw Description	P.N.
6"	CP6C
6" with swivel pads on jaws	CP6CSP
8"	CP11C
8" with swivel pads on jaws	CP11CSP

### Bit Holders



Locking ring bit holder secures the bit and allows for quick change.

Magnetic bit holder.

### Locking "Duckbill" Sheet Metal Clamps



Description	P.N.
8" for crimping & bending sheet metal	CP8C

### Magnetic Drive Sockets



Hex Size	Socket Lengths
1/4"	1-1/2", 2-1/4"
5/16"	1-1/2", 2-1/4"
3/8"	1-1/2", 2-1/2"
7/16"	1-1/2", 2-1/2"

## Sealants and Flashing

### Tube Sealants



Type	Tube Size	Bulk Pack
Silicone	10.3oz. tube	20oz. sausage packs
One Part Polyurethane	10.3oz. tube	20oz. sausage packs
*Two-part Polyurethane	N/A	1-1/2 gallon units
Non-skinning Butyl	10.3oz. tube	N/A
Acrylic	10.3oz. tube	5 gallon units

Call us for your type and brand!

\*Over 50 colors!

### Kalida-Kote Paint



Special color matched paint for fasteners, rivets, and metal closure.

Touch-up paint available

### Butyl Tape

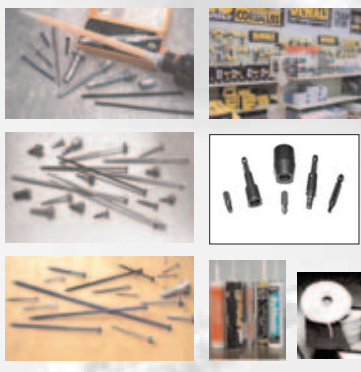


Thickness	Width	Length
3/32" x	3/8" x	45' roll
3/16" x	1/4" x	40' roll
3/16" x	7/8" x	40' roll Double Bead
3/16" x	2-1/2" x	20' roll Triple Bead
1/8" x	1" x	50' roll

## PAK-ONE™ Inventory Management Program

Here's how PAK-ONE works...

Consolidate fasteners, tools, and accessories for a specific job...



Utilizing a computer program ...



Let one of our sales professional show you the details of PAK-ONE... Call (800) 486-1832

That provides a "cut list" for only the items needed for the project...



So that products can be shipped direct to the job!



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**TFC**  
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