

Stafast

“The Right Connection”®

ISO 9001:2015

FASTENER SOLUTIONS *from DESIGN thru* AUTOMATION

Custom Design and manufacturing are available.

Stafast Products, Inc.*

1030 Kamato Rd. Units 4 & 5
Mississauga, Ontario L4W 4B6
877/782-3278
Fax # 905/602-9941

Stafast Products, Inc.

505 Lake Shore Blvd.
Painesville, OH 44077
800/782-3278
Fax # 440/357-7137

Stafast - West*

12420 Clark Street
Santa Fe Springs, CA 90670
800/999-9779
Fax # 562/941-3345

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7400 Herning
Denmark
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Stafast - South*

1698 Highway 15 N.
Pontotoc, MS 38863
800/888-6887
Fax # 662/489-6853

Stafast of the Carolinas*

2426 W. Highway 160
Fort Mill, SC 29708
800/951-1159
Fax # 803/548-1542



www.stafast.com

* These locations are not included in the scope of our ISO 9001:2015 registration.

Stafast Products Inc.

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Stafast Products Inc.

SHIPPING INFORMATION

MINIMUM ORDER: \$100.00

TERMS: Net - 30 days, upon credit approval.

PRICES: Prices are subject to change without notice. Contracts available to stabilize prices.

DELIVERY: Delivery dates are approximate. Stafast shall not accept responsibility for reasonable or excusable delays. The consignee shall not refuse to accept delivery because of such delays.

Accident, strike, fire, governmental controls, vendor's inability to meet delivery, materials ordered correctly by Stafast failing to meet specifications, or other unforeseeable and unforeseen conditions constitute excusable and reasonable delays.

PACKAGING: Unless otherwise specified, orders will be shipped in full carton quantities. Orders received for less than carton quantities will be increased to the nearest full carton quantity.

REPACKING CHARGE: \$10.00 for less than carton quantity.

WEIGHT: Pounds per thousand are approximate to be used only for estimating shipping weight.

DIMENSIONS: Functional specifications are subject to change without notice. Stafast Products will not be responsible for orders placed from catalog specifications. Please request samples or a print for exact, up to date dimensions.

RECOMMENDED DRILL SIZE: Pilot holes may need to be larger or smaller depending on density of material and retention required. All barrel heights greater than 5/8 inch have a smaller lead diameter than base diameter due to the deep draw required to manufacture the part. The base diameter is listed.

TOLERANCES: Decimals +/- .016" [0.4]
Fractions +/- 1/32" [0.8]
Bolt and Screw lengths +/- 1/32" [0.8]
Unless otherwise specified.

MATERIALS: Quality Cold Rolled Steel unless otherwise specified.

RETURNED GOODS POLICY: Goods may be returned for credit against future purchases provided that prior authorization has been obtained. Contact our Customer Service Department for a Returned Goods Authorization Number. Samples may be required along with reason for requested return. Goods must be returned prepaid freight and could be subject to a \$100.00 minimum or 10% restocking charge.

Any defective item will be replaced provided we receive a written claim and samples within 10 days from receipt of goods. Stafast will not allow or pay for any claims resulting from the use of such goods. Liability is limited to the cost of the goods.

Stafast is not responsible for cost of labor required to replace defective parts unless such work is authorized by the written consent or approval of Stafast. We will not accept any return of parts that have received secondary operations (such as bosses, holes, plating, etc.) after shipping from our facilities.

STOCK: Stocked parts and quantities are based on usage. If an item listed is not currently stocked, availability of that item may be subject to minimum order quantities. Minimum quantities may vary based on part and current production schedule.

NEW ACCOUNTS: Credit approval by our Credit Department is required for an open account. To expedite credit approval, with initial order please mail or fax three credit references, your bank's account number and an authorization signature. Orders pending credit approval can be shipped C.O.D. or credit card with customer approval.

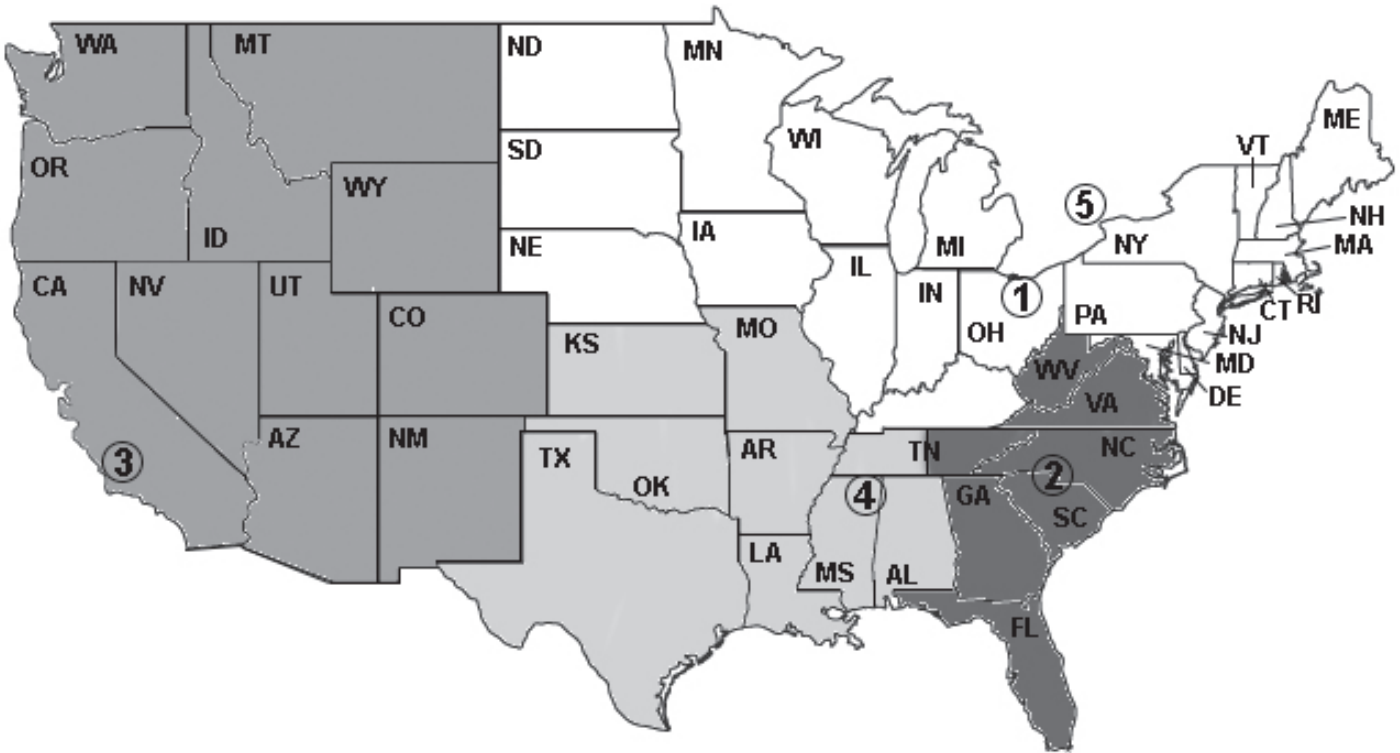
SERVICE CENTERS

Painesville, OH (Cleveland Area)
Fort Mill, SC (Charlotte Area)
Santa Fe Springs, CA (Los Angeles Area)
Pontotoc, MS (Tupelo Area)
Mississauga, ON (Toronto Area)

Stafast Service Centers are conveniently located in key manufacturing areas of the United States and Canada. Parts will be shipped from the closest Service Center with available stock.

Stafast Products Inc.

NATIONAL SERVICE CENTERS



Sales Offices and Distribution Centers

1 Stafast Products, Inc.

505 Lake Shore Blvd.
Painesville, OH 44077
800/782-3278
Fax# 440/357-7137

2 Stafast of the Carolinas

2426 W. Highway 160
Fort Mill, SC 29708
800/951-1159
Fax# 803/548-1542

3 Stafast - West

12420 Clark Street
Santa Fe Springs, CA 90670
800/999-9779
Fax# 562/941-3345

4 Stafast - South

1698 Highway 15 N.
Pontotoc, MS 38863
800/888-6887
Fax# 662/489-6853

5 Stafast Products, Inc.

1030 Kamato Rd.
Units 4 & 5
Mississauga, Ontario L4W 4B6
877/782-3278
Fax# 905/602-9941

www.stafast.com

Stafast Products Inc.

ORDERING INFORMATION

Orders can be placed by faxing or telephoning our toll-free National Service Centers. Order processing can be expedited when our part number is used. Please specify the desired finish. Unless otherwise specified, plain finish will be shipped

PART NUMBER CODE - Example

T-Nut

Basic Part Number - 142094-ZN

Style	1420	9	4	ZN
Straight Barrel	American Thread Size 1/4-20	Barrel Length 9/16	Number of Prongs	Zinc Finish

Metric Part Number - M610144-ZN

Style	M610	14	4	ZN
Straight Barrel	Metric Thread Size M6xP1.0	Length (mm)	Number of Prongs	Zinc Finish

AMERICAN INCH SERIES			METRIC MILLIMETER SIZES			
Size	Diameter Inches	Threads Per Inch	Size	Diameter Inches	Threads Per Inch	Pitch (MM)
No. 4	.112	40	M3	.118	51	0.5
		48			74	0.35
No. 6	.138	32	M4	.157	36	0.7
		40			51	0.5
No. 8	.164	32	M5	.196	32	0.8
		36			51	0.5
No. 10	.190	24	M6	.236	25	1.0
		32			34	0.75
1/4	.250	20	M8	.315	20	1.25
		28			25	1.0
5/16	.312	18	M10	.393	17	1.5
		24			20	1.25
3/8	.375	16	M12	.472	14.5	1.75
		24			20	1.25
1/2	.500	13	M16	.630	13	2.0
		20			17	1.5
5/8	.625	11				
		18				

Stafast Products Inc.

PLATINGS and FINISHES

Stafast provides a variety of platings and finishes for our customers' requirements. Protective platings and finishes with high salt spray hours are available, as well as decorative platings with low salt spray hours. Please allow 2-3 weeks for non-stock items.

FINISH	CODE	DESCRIPTION	SALT SPRAY HOURS*
<u>PROTECTIVE FINISHES</u>			
Ultra Stacoat	US	Zinc Base/Silver Color	600-800
Zinc Dichromate Special	ZDS	Zinc Dichromate with Yellow-Gold Tint/High Protection Factor	75-150
Trivalent Dichromate	TD	RoHS Dichromate	50-95
Super Seal	ZDSS	Same appearance as ZDS	400-700
Zinc Dichromate	ZD	Yellow-Gold Tint/Medium Protection Finish	45-80
Zinc Black Special	ZBS	Black Color/Medium Protection	50
Zinc Black	ZB	Shiny Black/Low Protection Finish	24-40
<u>DECORATIVE FINISHES</u>			
Black Oxide	BO	Black Finish/Available with Wax or Oil Coating	20-40
Zinc	ZN	Low Cost Decorative Finish	24
Nickel	NI		24
Brass Nickel	BN		24
Bronze	BZ		24
Honey Bronze	HB		24
Antique Brass	AB		24
Brass	BS		24

*Salt spray values are to red rust. Hours are approximate.

**Also available in a variety of colors.

Stafast does not guarantee results. They are provided as a guide for your consideration.

Stafast Products Inc.

RECOMMENDED TORQUE VALUES FOR T-NUTS BY THREAD SIZE

THREAD SIZE	MAXIMUM RECOMMENDATION IN-LBS (CM-KG)	
4-40	5	(6)
6-32	10	(11)
8-32	20	(23)
10-24	30	(34)
10-32	30	(34)
1/4-20	60	(68)
1/4-28	60	(68)
5/16-18	125	(143)
5/16-18 (E Series)	100	(114)
5/16-24	125	(143)
3/8-16	200	(228)
3/8-24	200	(228)
1/2-13	400	(456)
5/8-11	600	(685)

This is a **MAXIMUM RECOMMENDED TORQUE** for Stafast T-Nuts.

Ideal torque varies with thickness of material, flange radius, barrel diameter and density of component. These variables make it critical to allow safety margin on torque.

Torque applied above these recommended values will increase the tendency for part failure.

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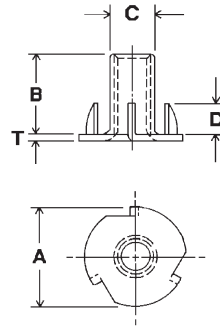
T-NUTS, STRAIGHT BARREL

3 Prongs

Stafast T-Nuts are an economical method of fastening a metal mechanism to a component that is made of wood, plastic, particle-board, or pressboard, or for anchoring wooden components to each other.

3 Prong T-Nuts are used primarily in hard materials to minimize splitting caused by prongs. Also see Short Prongs or Propell Nut if splitting is a problem. (S) at the end of part number indicates short prongs.

(L) at end of part number indicates long prongs primarily used for high retention in soft materials. Also see clipped and Slab Base with Two Prongs and Slab Base with Tapered Barrel Hook Prong for applications close to the edge.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
44023	4-40	23/64	1/8	.130	3/32	.024	9/64	2	20
63243	6-32	9/16	1/4	.162	5/32	.024	11/64	3	15
63243S	6-32	9/16	1/4	.162	1/16	.024	11/64	3	15
83243	8-32	23/32	1/4	.209	3/16	.031	7/32	5	5
83243TF8	8-32	1/2	1/4	.220	3/16	.039	7/32	4	10
83243TSF8	8-32	1/2	1/4	.220	1/8	.039	7/32	4	10
83243F9	8-32	19/32	1/4	.220	13/64	.047	1/4	6	10
83273	8-32	23/32	7/16	.209	9/32	.035	7/32	6	5
102433	10-24	3/4	3/16	.243	9/64	.039	1/4	7	5
102443	10-24	3/4	9/32	.243	3/16	.039	1/4	7	5
102453	10-24	3/4	5/16	.243	7/32	.039	1/4	7	5
102453F11	10-24	45/64	5/16	.243	13/64	.039	1/4	7	5
102463	10-24	3/4	3/8	.243	9/32	.039	1/4	8	5
102463SF8	10-24	1/2	3/8	.243	1/8	.039	1/4	5	10
102473	10-24	3/4	7/16	.243	5/16	.039	1/4	8	5
102473F11	10-24	45/64	7/16	.243	3/16	.039	1/4	8	5
102493	10-24	3/4	9/16	.243	5/16	.039	1/4	9	5
103233S	10-32	3/4	3/16	.243	9/64	.039	1/4	7	5

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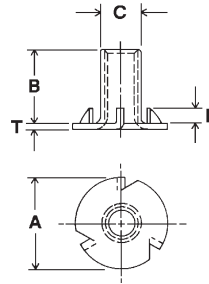
T-NUTS, STRAIGHT BARREL								3 Prongs	
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
103233SF8	10-32	1/2	3/16	.243	1/8	.039	1/4	4	10
103243	10-32	3/4	9/32	.243	3/16	.039	1/4	7	5
103253	10-32	3/4	5/16	.243	7/32	.039	1/4	7	5
103253F11	10-32	45/64	5/16	.243	13/64	.039	1/4	7	5
103263	10-32	3/4	3/8	.243	9/32	.039	1/4	8	5
103263SF8	10-32	1/2	3/8	.243	1/8	.039	1/4	5	10
103273	10-32	3/4	7/16	.243	5/16	.039	1/4	8	5
103273F11	10-32	45/64	7/16	.243	3/16	.039	1/4	8	5
142033S	1/4-20	3/4	3/16	.305	1/8	.047	5/16	8	5
M610053S	M6 X P1.0	19.1	4.8	7.7	3.2	1.2	7.9	8	5
142043	1/4-20	3/4	1/4	.305	3/16	.047	5/16	8	5
142043S	1/4-20	3/4	1/4	.305	1/8	.047	5/16	8	5
M610063S	M6 X P1.0	19.1	6.4	7.7	3.2	1.2	7.9	8	5
142043S(.230)	1/4-20	3/4	.230	.305	1/8	.047	5/16	8	5
M610063S(5.6)	M6 X P1.0	19.1	5.6	7.7	3.2	1.2	7.9	8	5
142043SF16	1/4-20	1	.225	.325	1/8	.063	5/16	8	2.5
142053	1/4-20	3/4	5/16	.305	7/32	.047	5/16	9	5
142053T	1/4-20	3/4	5/16	.305	7/32	.043	5/16	8	5
142063	1/4-20	3/4	3/8	.305	9/32	.047	5/16	9	5
142073	1/4-20	3/4	7/16	.305	5/16	.047	5/16	9	5
142073T	1/4-20	3/4	7/16	.305	5/16	.043	5/16	9	5
142093	1/4-20	3/4	9/16	.305	5/16	.047	5/16	11	4
561863T	5/16-18	7/8	3/8	.370	9/32	.055	3/8	14	2.5
561863TF12	5/16-18	3/4	3/8	.370	1/4	.059	3/8	11	2.5
5618103T	5/16-18	7/8	5/8	.370	21/64	.055	3/8	17	2.5
381673T	3/8-16	1	7/16	.440	5/16	.063	29/64	19	2

Stafast Products Inc.

T-NUTS, STRAIGHT BARREL

3 Short Prongs

Ideal for dense materials like hardwoods, hardboard, rubber, hard plastics or fiberglass. Short Prongs reduce splitting for T-Nuts close to edge of material.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
83243TSF8	8-32	1/2	1/4	.220	1/8	.039	7/32	4	10
102463SF8	10-24	1/2	3/8	.243	1/8	.039	1/4	5	10
103233S	10-32	3/4	3/16	.243	9/64	.039	1/4	7	5
103233SF8	10-32	1/2	3/16	.243	1/8	.039	1/4	4	10
103243SF8	10-32	1/2	.270	.243	.149	.039	1/4	5	6
103263SF8	10-32	1/2	3/8	.245	1/8	.039	1/4	5	10
142033S	1/4-20	3/4	3/16	.305	1/8	.047	5/16	8	5
142043S	1/4-20	3/4	1/4	.305	1/8	.047	5/16	8	5
142043S(.230)	1/4-20	3/4	.230	.305	1/8	.047	5/16	8	5
M610053S(5.2)	M6 X P1.0	19.1	5.2	7.7	3.2	1.2	7.9	8	5
M610063S(5.6)	M6 X P1.0	19.1	5.6	7.7	3.2	1.2	7.9	8	5
M610063S(6.0)	M6 X P1.0	19.1	6.0	7.7	3.2	1.2	7.9	8	5
M610083S	M6 X P1.0	19.1	7.9	7.5	3.2	1.2	7.9	9	5

Minimum Order - 100M pieces unless stock available.

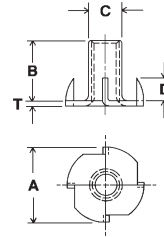
Stafast Products Inc.

T-NUTS, STRAIGHT BARREL

4 Prongs

4 Prong T-Nuts can be used in hard and soft woods. Also available in Hopper Feed style for labor-saving automation.

Also available in metric sizes noted.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
63234F8	6-32	.500	3/16	.162	1/8	.024	11/64	3	5
63264	6-32	9/16	3/8	.169	9/64	.031	11/64	4	9
83244	8-32	23/32	1/4	.209	3/16	.031	7/32	5	5
M407064	M4xP0.7	18.3	6.4	5.3	4.8	0.8	5.6		
102444	10-24	3/4	9/32	.243	3/16	.039	1/4	7	5
102454	10-24	3/4	5/16	.243	7/32	.039	1/4	7	5
102454F11	10-24	45/64	5/16	.243	3/16	.039	1/4	7	5
103244	10-32	3/4	9/32	.243	3/16	.039	1/4	7	5
103254	10-32	3/4	5/16	.243	7/32	.039	1/4	7	5
M508084	M5xP0.8	19.1	7.9	6.2	5.6	1.0	6.4		
103254F11	10-32	45/64	5/16	.243	3/16	.039	1/4	7	5
103254F20	10-32	1-1/4	5/16	.232	7/32	.039	1/4	8	2.5
142054 ¹	1/4-20	3/4	5/16	.305	15/64	.047	5/16	9	5
M610084	M6xP1.0	19.1	7.9	7.5	6.0	1.2	7.9		
142054F20	1/4-20	1-1/4	5/16	.305	15/64	.047	5/16	20	2
142054S	1/4-20	3/4	5/16	.305	9/64	.047	5/16	9	5
142054T	1/4-20	3/4	5/16	.305	7/32	.043	5/16	8	5
M610084T	M6xP1.0	19.1	7.9	7.5	5.6	1.1	7.9		
142074	1/4-20	3/4	7/16	.305	15/64	.047	5/16	9	5
M610114	M6xP1.0	19.1	11.1	7.7	6.0	1.2	7.9		
142074F20	1/4-20	1-1/4	7/16	.305	5/16	.047	5/16	20	2
142074T	1/4-20	3/4	7/16	.305	1/4	.043	5/16	9	5
M610114T	M6xP1.0	19.1	11.1	7.5	6.4	1.1	7.9		
142094	1/4-20	3/4	9/16	.305	1/4	.047	5/16	11	4
M610144	M6xP1.0	19.1	14.3	7.5	6.4	1.2	7.9		
142094F20	1/4-20	1-1/4	9/16	.305	1/4	.047	5/16	22	1.5

¹ Available in Stainless Steel. (See page TN - 42.)

Stafast Products Inc.

T-NUTS, STRAIGHT BARREL							4 Prongs		
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
1420144	1/4-20	3/4	7/8	.305	1/4	.047	5/16	15	2.5
142854T	1/4-28	3/4	5/16	.305	7/32	.043	5/16	8	5
561864 ¹	5/16-18	7/8	3/8	.390	1/4	.063	25/64	14	2.5
M813104	M8 x P1.25	22.2	9.5	9.9	6.4	1.6	9.9		
561864F20	5/16-18	1-1/4	3/8	.390	1/4	.063	25/64	14	2.5
561864T	5/16-18	7/8	3/8	.370	9/32	.055	3/8	14	2.5
M813104T	M8 x P1.25	22.2	9.5	9.4	7.1	1.4	9.5		
561864E	5/16-18	7/8	3/8	.370	1/4	.051	3/8	14	2.5
M813104E	M8 x P1.25	22.2	9.5	9.4	6.4	1.3	9.5		
561864TF12	5/16-18	3/4	3/8	.370	1/4	.059	3/8	16	2.5
561884T	5/16-18	7/8	1/2	.370	1/4	.059	3/8	15	2.5
5618104	5/16-18	7/8	5/8	.390	1/4	.063	25/64	19	2.5
5618104F20	5/16-18	1-1/4	5/8	.390	1/4	.063	25/64	31	1.3
5618104F20P	5/16-18	1-1/4	5/8	.360	1/4	.063	25/64	31	1.2
5618104T	5/16-18	7/8	5/8	.370	5/16	.055	3/8	17	2.5
M813164T	M8 x P1.25	22.2	15.9	9.4	7.9	1.4	9.5		
5618104E	5/16-18	7/8	5/8	.370	1/4	.051	3/8	17	2.5
M813164E	M8 x P1.25	22.2	15.9	9.4	6.4	1.3	9.5		
5618144T	5/16-18	7/8	7/8	.370	1/4	.059	3/8	21	2
381674 ¹	3/8-16	1	7/16	.460	5/16	.071	15/32	22	2
381674T	3/8-16	1	7/16	.440	5/16	.063	29/64	19	2
M1015114T	M10 x P1.5	25.4	11.1	11.5	7.9	1.6	11.5		
M1015114TS	M10 x P1.5	25.4	11.1	11.5	7.1	1.6	11.5	20	2
382474T	3/8-24	1	7/16	.440	5/16	.063	29/64	19	2
762064	7/16-20	1	3/8	.531	5/16	.071	17/32	22	2
121364	1/2-13	1-1/4	3/8	.591	7/32	.091	19/32	39	1
121364L	1/2-13	1-1/4	3/8	.591	5/16	.091	19/32	39	1
581164	5/8-11	1-7/16	3/8	.720	1/4	.091	23/32	49	1

¹Available in Stainless Steel. (See page TN - 42.)

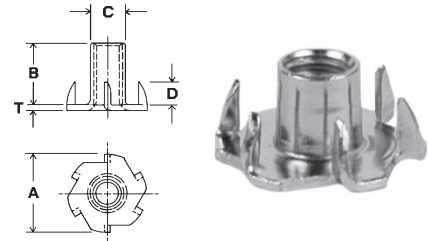
Most 4 prong T-Nuts can be made with a Crimp Lock. (See page TN - 12)

Stafast Products Inc.

T-NUTS, STRAIGHT BARREL

6 Prongs

6 Prong T-Nuts are used primarily in soft woods, particleboard, plywood and softer plastics. Good retention.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
83246	8-32	23/32	1/4	.208	3/16	.031	7/32	5	5
102446	10-24	3/4	9/32	.243	3/16	.039	1/4	7	5
102456	10-24	3/4	5/16	.243	3/16	.039	1/4	7	5
102456F11	10-24	45/64	5/16	.243	3/16	.039	1/4	7	5
102466	10-24	3/4	3/8	.243	3/16	.039	1/4	8	5
102476	10-24	3/4	7/16	.243	3/16	.039	1/4	8	5
102476F11	10-24	45/64	7/16	.243	3/16	.039	1/4	8	5
103246	10-32	3/4	9/32	.243	3/16	.039	1/4	7	5
103256	10-32	3/4	5/16	.243	3/16	.039	1/4	7	5
103256F11	10-32	45/64	5/16	.236	3/16	.039	1/4	7	5
103266	10-32	3/4	3/8	.243	3/16	.039	1/4	8	5
103276	10-32	3/4	7/16	.243	3/16	.039	1/4	8	5
103276F11	10-32	45/64	7/16	.243	3/16	.039	1/4	8	5
142046	1/4-20	3/4	1/4	.305	3/16	.047	5/16	8	5
142056	1/4-20	3/4	5/16	.305	7/32	.047	5/16	9	5
142056T	1/4-20	3/4	5/16	.305	7/32	.043	5/16	8	5
142066	1/4-20	3/4	3/8	.305	7/32	.047	5/16	9	5

Stafast Products Inc.

T-NUTS, STRAIGHT BARREL

6 Prongs

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
142076	1/4-20	3/4	7/16	.305	7/32	.047	5/16	9	5
142076T	1/4-20	3/4	7/16	.305	7/32	.043	5/16	9	5
142096	1/4-20	3/4	9/16	.305	7/32	.047	5/16	11	4
561866	5/16-18	7/8	3/8	.390	1/4	.063	25/64	15	2.5
561866T	5/16-18	7/8	3/8	.370	1/4	.059	3/8	14	2.5
5618106	5/16-18	7/8	5/8	.390	5/16	.063	25/64	19	2.5
5618106T	5/16-18	7/8	5/8	.375	1/4	.059	3/8	16	2.5
381676T	3/8-16	1	7/16	.440	5/16	.063	29/64	19	2

Most T-Nuts are available in Metric and American thread sizes.

Stafast Products Inc.

T-NUTS, SMALL FLANGE

3 Prongs

Ideal for T-Nuts close to edge of material. Short Prong (S) style designed for hardwood to reduce splitting. Also see Clipped Base and Slab Base 2 Prong T-Nuts on page TN - 9.

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
83243TF8	8-32	1/2	1/4	.220	3/16	.039	7/32	4	5
83243TSF8	8-32	1/2	1/4	.220	1/8	.039	7/32	4	5
83243F9	8-32	19/32	1/4	.220	13/64	.047	1/4	5	5
102453F11	10-24	45/64	5/16	.243	13/64	.039	1/4	7	5
102463SF8	10-24	1/2	3/8	.243	1/8	.039	1/4	5	5
102473F11	10-24	45/64	7/16	.243	3/16	.039	1/4	8	5
103233SF8	10-32	1/2	3/16	.243	1/8	.039	1/4	4	5
103253F11	10-32	45/64	5/16	.243	13/64	.039	1/4	7	5
103263SF8	10-32	1/2	3/8	.243	1/8	.039	1/4	5	5
103273F11	10-32	45/64	7/16	.243	3/16	.039	1/4	8	5
561863TF12	5/16-18	3/4	5/8	.370	1/4	.059	3/8	11	2.5

WELD NUTS, SMALL FLANGE

Plain Round Base

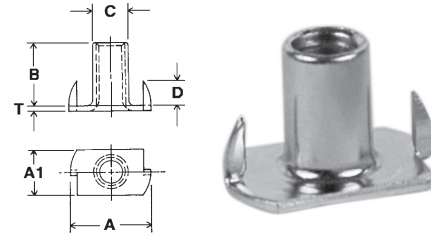
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R08324TF8	8-32	1/2	1/4	.220	.039	4	5
R08324F9	8-32	19/32	1/4	.220	.043	6	5
R08324F350	8-32	.350	1/4	.209	.031	5	5
R10245F11	10-24	45/64	5/16	.243	.039	7	5
R10247F11	10-24	45/64	7/16	.243	.039	8	5
R10324F350	10-32	.350	9/32	.243	.039	7	5
R10325F11	10-32	45/64	5/16	.243	.039	7	5
R10327F11	10-32	45/64	7/16	.243	.039	7	5
R142014F8	1/4-20	.500	7/8	.295	.047	14	3

Stafast Products Inc.

T-NUTS, SMALL FLANGE

Slab Base - 2 Prongs

To be used in applications for wood or plastic where space is restricted. Also see Slab Base with 2 Holes.



Part Number	Thread Size	A Flange Diameter	A1 Flange Width	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
S08324P2 ³	8-32	23/32	1/2	1/4	.209	5/32	.031	7/32	5	5
ST08326P2 ²	8-32	23/32	1/2	.375	.209	5/32	.031	7/32	6	5
S10244P2 ³	10-24	3/4	1/2	9/32	.243	1/4	.039	1/4	6	5
S10324P2 ¹	10-32	3/4	1/2	9/32	.243	15/64	.039	1/4	6	5
S14204P2	1/4-20	3/4	1/2	1/4	.305	15/64	.047	5/16	7	5
S14205P2	1/4-20	3/4	1/2	5/16	.305	1/4	.047	5/16	8	5
S14207P2	1/4-20	3/4	1/2	7/16	.305	15/64	.047	5/16	8	5
S14209P2	1/4-20	3/4	1/2	9/16	.305	15/64	.047	5/16	9	4
S56186P2	5/16-18	7/8	9/16	3/8	.390	5/16	.063	25/64	12	2.5
S56186TP2	5/16-18	7/8	9/16	3/8	.370	9/32	.055	3/8	12	2.5
S561810TP2	5/16-18	7/8	9/16	5/8	.370	9/32	.059	3/8	16	2.5
S38167TP2	3/8-16	1/1	5/8	7/16	.440	5/16	.063	29/64	16	2

¹ Available with Crimp Lock Feature

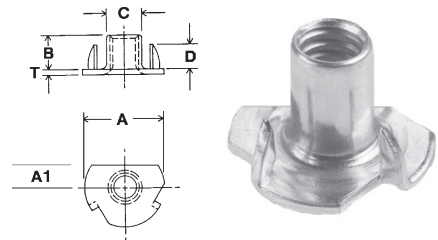
² Tapered Barrel

³ Already tooled in multiple flange widths

T-NUTS, SMALL FLANGE

Clipped Base

The **Clipped Base** allows the T-Nut to be inserted in holes on edge of material. Also see Slab Base with 2 Prongs for restricted area applications.



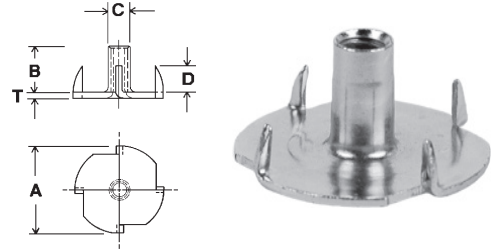
Part Number	Thread Size	A Flange Diameter	A1 Clip Distance	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
10244C2	10-24	3/4	.170	9/32	.243	3/16	.039	1/4	6	10
10324C2	10-32	3/4	.170	9/32	.243	3/16	.039	1/4	6	10

Stafast Products Inc.

T-NUTS, LARGE FLANGE

4 Prongs

Large Flange T-Nuts disperse compression forces developed between component material and flange over a greater surface area to enable economical fastening in low density or soft materials.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
103254F20	10-32	1-1/4	5/16	.232	7/32	.039	1/4	8	2.5
142054F20	1/4-20	1-1/4	5/16	.305	7/32	.047	5/16	20	2
142074F20	1/4-20	1-1/4	7/16	.305	5/16	.047	5/16	20	2
142094F20	1/4-20	1-1/4	9/16	.305	1/4	.047	5/16	22	1.5
561864F20*	5/16-18	1-1/4	3/8	.390	1/4	.063	25/64	17	2
561874SF20	5/16-18	1-1/4	7/16	.390	3/32	.063	25/64	27	1.5
5618104F20*	5/16-18	1-1/4	5/8	.390	1/4	.063	25/64	31	1.3
5618104F20P	5/16-18	1-1/4	5/8	.360	1/4	.063	25/64	31	1.2

* Available in Rivet Style

HOPPER FEED T-NUTS, LARGE FLANGE

Part Number	Thread Size	A x A1 Flange Width x Length	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./ M	Pcs. Ctn. M
HF14205F20DBP ²	1/4-20	1-1/4 x 1-13/64	5/16	.305	.305	3/16	1/2	.047	5/16	20	2
THF14206LH-DB ¹	1/4-20	53/64 x 13/16	3/8	.305	.350	5/16	13/32	.051	5/16	9	2.5
THF5618104TF16 ²	5/16-18	1 x 1	5/8	.370	.395	9/32	7/16	.059	25/64-13/32	16	2.5

¹ See page TN-16 for prong configuration

² See page TN-15 for prong configuration

HF=Straight Barrel

THF = Tapered Barrel

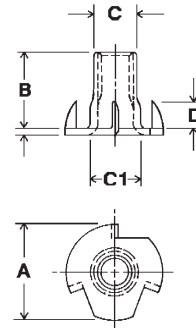
Stafast Products Inc.

T-NUTS, TAPERED BARREL

3, 4, or 6 Prongs

Tapered Barrel T-Nuts are designed for quick, efficient assembly with maximum retention. The smaller barrel (lead) diameter will drop into standard hole sizes, presetting the T-Nut for quick, efficient bolt entry. The larger barrel diameter will press-fit in hole providing greater retention and automatically straightening T-Nut if it is driven at an angle. Ideal for manual insertion.

Also available in Hopper Feed configuration for automation.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	D Prong Height	T Material Thickness	Drill Size	Prongs	Lbs./M	Pcs. Ctn. M
T102463	10-24	3/4	3/8	.230	.280	3/16	.035	15/64-1/4	3	7	5
T102476	10-24	3/4	7/16	.230	.280	7/32	.039	15/64-1/4	6	7	5
T103273	10-32	3/4	7/16	.230	.280	5/16	.035	15/64-1/4	3	7	5
T103276	10-32	3/4	7/16	.230	.280	7/32	.039	15/64-1/4	6	7	5
T142073	1/4-20	3/4	7/16	.305	.345	5/16	.047	5/16-21/64	3	10	5
T142073S	1/4-20	3/4	7/16	.305	.345	7/32	.047	5/16-21/64	3	10	5
T142073L	1/4-20	3/4	7/16	.305	.345	3/8	.047	5/16-21/64	3	10	5
T142074	1/4-20	3/4	7/16	.305	.345	5/16	.047	5/16-21/64	4	10	5
T142076	1/4-20	3/4	7/16	.305	.345	7/32	.047	5/16-21/64	6	10	5
T142093	1/4-20	3/4	9/16	.305	.345	5/16	.047	5/16-21/64	3	11	4
T142094	1/4-20	3/4	9/16	.305	.345	1/04	.047	5/16-21/64	4	11	4
T142096	1/4-20	3/4	9/16	.305	.345	7/32	.047	5/16-21/64	6	11	4
T1420144	1/4-20	3/4	7/8	.311	.345	9/32	.047	5/16-21/64	4	15	2
T561873	5/16-18	7/8	7/16	.370	.415	3/8	.059	25/64-13/32	3	15	2.5
T561883	5/16-18	7/8	1/2	.370	.415	3/8	.059	25/64-13/32	3	16	2.5
T5618103T	5/16-18	7/8	5/8	.370	.415	5/16	.059	25/64-13/32	3	18	2.5
T5618106T	5/16-18	7/8	5/8	.370	.415	1/4	.059	25/64-13/32	6	18	2.5
T3816164L8F20	3/8-16	1.226	1	.438	.560	15/32	.071	35/64-9/16	4	44	1

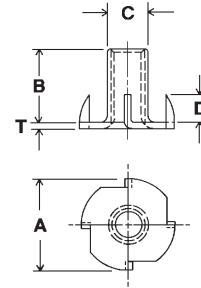
All Tapered Barrel T-Nuts are designed to be entered opposite the flange. If flange entry is required, use our Straight Barrel T-Nut, Propell Nut or Insert.

Stafast Products Inc.

T-NUTS Straight Barrel

Crimp Lock

Crimp Lock (CL) - Lock or thread interference formed by indentations on barrel near flange. Load torque will depend on bolt hardness and the number of threads turned through the lock. An alloy or hardened bolt can distort the crimp lock and reduce load torque. Ideal loads would have the bolt engaged to the depth of the flange. Production runs of 500M pieces or more are required to control entry/exit torque to desired range if other than listed below.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M	Entry Torque In-Lbs.
102446CL	10-24	3/4	9/32	.243	3/16	.039	1/4	7	5	5-12
102453F11CL	10-24	45/64	5/16	.243	13/64	.039	1/4	7	5	5-12
102456CL ¹	10-24	3/4	5/16	.243	3/16	.039	1/4	7	5	5-12
142054CL	1/4-20	3/4	5/16	.305	7/32	.047	5/16	9	5	8-15
142054F20CL	1/4-20	1-1/4	5/16	.305	7/32	.047	5/16	20	2	8-15
142054SCL	1/4-20	3/4	5/16	.305	5/32	.047	5/16	9	5	6-12
142074CL	1/4-20	3/4	7/16	.305	1/4	.047	5/16	9	5	8-15
142074TCL	1/4-20	3/4	7/16	.305	1/4	.043	5/16	9	5	8-15
142094CL	1/4-20	3/4	9/16	.305	1/4	.047	5/16	11	4	8-15
142094F20CL	1/4-20	1-1/4	9/16	.305	1/4	.047	5/16	21	1.5	8-15
561864TCL	5/16-18	7/8	3/8	.370	1/4	.059	3/8	14	2.5	10-25
5618104TCL	5/16-18	7/8	5/8	.370	5/16	.059	3/8	18	2.5	10-25
381674TCL	3/8-16	1	7/16	.440	5/16	.063	29/64	19	2	15-35
121364BL	1/2-13	1-1/4	3/8	.591	7/32	.091	19/32	39	1	N/A

¹Normally 4 prong.
(BL) = Bottom Lock

Stafast Products Inc.

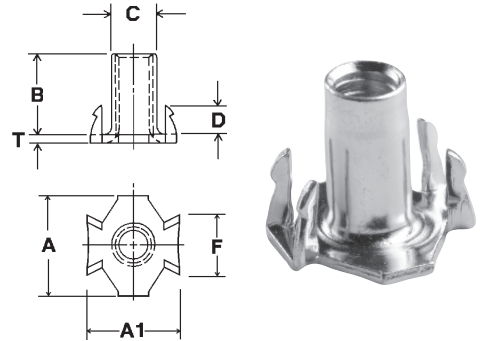
T-NUTS, HOPPER FEED Straight Barrel

Rectangular Base - Hook Prong

Stafast's Hopper Feed T-Nuts offer high retention and reliable entry which reduces labor and rework costs. These T-Nuts can be automatically machine inserted straight, flush, and ready for production assembly.

Hook Prong (H) is designed for increased retention in soft material such as plywood or particleboard. The Hook Prong acts like a fish hook and offers greater retention than conventional T-Nuts.

Also available in metric sizes.



Part Number	Thread Size	A x A1 Flange Width x Length	B Barrel Height	C Barrel Diameter	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
HF08324H-DB	8-32	11/16 x 45/64	1/4	.220	7/32	19/64	.039	15/64	5	5
HF10244H-DB	10-24	11/16 x 45/64	9/32	.243	7/32	19/64	.039	1/4	7	5
HF10245H-DB	10-24	11/16 x 45/64	5/16	.243	1/4	21/64	.039	1/4	7	5
HF10247H-DB	10-24	11/16 x 45/64	7/16	.243	5/16	5/16	.039	1/4	8	5
HF10324H-DB	10-32	11/16 x 45/64	9/32	.243	7/32	5/16	.039	1/4	7	5
HF10327H-DB	10-32	11/16 x 45/64	7/16	.243	5/16	19/64	.039	1/4	8	5
HF14204H-DB	1/4-20	11/16 x 45/64	1/4	.305	7/32	21/64	.047	5/16	8	5
HF14205H-DBB	1/4-20	11/16 x 45/64	5/16	.305	15/64	.335	.047	5/16	8	5
HFM61008H-DB	M6XP1.0	17.5 x 18.0	7.9	7.7	6.0	8.5	1.2	7.9	8	5
HF14206H-DB	1/4-20	11/16 x 45/64	3/8	.305	19/64	21/64	.047	5/16	9	5
HFM61010H-DB	M6XP1.0	17.5 x 18.0	9.5	7.7	7.5	8.3	1.2	7.9	9	5
HF14207H-DBB	1/4-20	11/16 x 45/64	7/16	.305	19/64	21/64	.047	5/16	9	5
HF14209H-DBB	1/4-20	11/16 x 45/64	9/16	.305	19/64	.335	.047	5/16	10	4
HF56186TH-DB	5/16-18	53/64 x 13/16	3/8	.370	5/16	.409	.059	3/8	13	2.5
HF56186EH-DB	5/16-18	53/64 x 13/16	3/8	.370	5/16	.409	.051	3/8	12	2.5
HFM81310EH-DB	M8XP1.3	21.0 x 20.5	9.5	9.4	7.3	10.4	1.3	9.5	12	2.5
HF561810TH-DB	5/16-18	53/64 x 13/16	5/8	.370	3/8	.409	.059	3/8	16	2.5
HF561810EH-DB	5/16-18	53/64 x 13/16	5/8	.370	0.375	.409	.051	3/8	16	2.5
HFM81316EH-DB	M8XP1.3	21.0 x 20.5	15.9	9.4	9.5	10.4	1.3	9.5	16	2.5

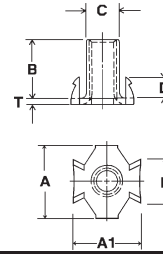
See Page TN-21 for T-Nut Automation

Stafast Products Inc.

LOCKING T-NUTS, HOPPER FEED

Crimp Lock

Stafast's Hopper Feed Locking T-Nuts provide a positive joint connection to reduce bolts from loosening. The crimp lock feature is an economical alternative to other locking methods. The entry torque can be controlled to meet specific requirements. Automation equipment is available to further lower assembled costs.



Part Number	Thread Size	A x A1 Flange Width x Length	B Barrel Height	C Barrel Diameter	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
HF10244HCL-DB	10-24	11/16 x 45/64	9/32	.243	7/32	19/64	.039	1/4	7	5
HF14204HCL	1/4-20	11/16 x 45/64	1/4	.305	7/32	21/64	.047	5/16	8	5
HF14205HCL	1/4-20	11/16 x 45/64	5/16	.305	1/4	.335	.047	5/16	8	5
HF14205SHCL-DB	1/4-20	11/16 x 23/32	5/16	.305	5/32	21/64	.047	5/16	8	5
HF14206HCL	1/4-20	11/16 x 45/64	3/8	.305	19/64	21/64	.047	5/16	9	5
HF14207HCL	1/4-20	11/16 x 45/64	7/16	.305	19/64	21/64	.047	5/16	9	5
HF14209HCL	1/4-20	11/16 x 45/64	9/16	.305	19/64	.335	.047	5/16	10	4
HF142011HCL	1/4-20	11/16 x 45/64	11/16	.305	19/64	21/64	.047	5/16	15	2.5
HF6185EHCL	5/16-18	53/64 x 13/16	5/16	.370	5/16	13/32	.051	3/8	12	2.5
HF56186EHCL	5/16-18	53/64 x 13/16	3/8	.370	5/16	13/32	.051	3/8	12	2.5
HFM81310EHCL	M8 x P1.3	21 x 20.5	9.5	9.4	7.9	10.4	1.3	9.5	12	2.5
HF561810EHCL	5/16-18	53/64 x 13/16	5/8	.370	3/8	.409	.051	3/8	16	2.5
HF381674TCL	3/8-16	1 x 1	7/16	.440	11/32	.485	.063	29/64	20	2

Tapered Barrel Style

Part Number	Thread Size	A x A1 Flange Width x Length	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
THF08326CLDB	8-32	23/32 x .673	3/8	.208	.232	3/16	5/16	.031	7/32	6	5
THF14206HCL	1/4-20	11/16 x 45/64	3/8	.305	.340	5/16	.335	.047	5/16	9	5
THF14207HCL	1/4-20	11/16 x 45/64	7/16	.305	.340	5/16	.335	.047	5/16	10	5
THF14209HCL	1/4-20	11/16 x 45/64	9/16	.305	11/32	5/16	21/64	.047	5/16	11	4

See Page TN-21 for T-Nut Automation

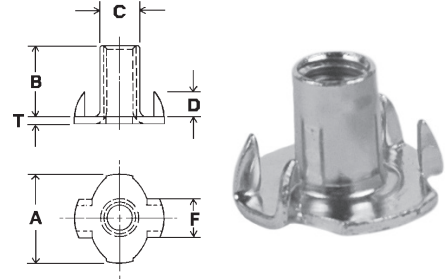
Entry torque same as standard Locking T-Nuts on page TN - 12. Most sizes on pages TN - 13, 15 and 16 can have Crimp Lock added.

Stafast Products Inc.

T-NUTS, HOPPER FEED Straight Barrel

Round Base

Round Base Hopper Feed T-Nuts offer high retention and reliable entry to reduce labor and rework costs. Possible substitute for 4 prong T-Nut.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
HF08324-DB	8-32	23/32	1/4	.208	3/16	5/16	.031	7/32	5	5
HF102454-DBP	10-24	.750	5/16	.243	17/64	.346	.039	1/4	7	5
HFM508084-DBP	M5 x P0.8	19.0	7.9	6.2	6.7	8.8	1.0	6.4	7	5
HF10324-DB	10-32	3/4	9/32	.243	13/64	21/64	.039	1/4	7	5
HF142054-DB	1/4-20	3/4	5/16	.305	17/64	.346	.047	5/16	8	5
HFM610084-DB	M6 x P1.0	19.1	7.9	7.5	6.7	8.7	1.2	7.9	8	5
HF142054F20	1/4-20	1.25	5/16	.305	3/16	1/2	.047	5/16	20	2
HF142074-DB ¹	1/4-20	3/4	7/16	.305	17/64	.346	.047	5/16	8	5
HFM610114-DB	M6 x P1.0	19.1	11.1	7.7	6.7	8.8	1.2	7.9	8	5
HFM610144-DBP	M6 x P1.0	19.1	14.3	7.7	6.7	.346	.047	7.9	11	4
HF1420144	1/4-20	3/4	7/8	.305	1/4	.335	.047	5/16	15	2.5
HF1420144DBP	1/4-20	.750	7/8	.305	17/64	.346	.047	5/16	14	2.5
HF142844	1/4-28	3/4	1/4	.305	7/32	21/64	.047	5/16	8	5
HF142854-DBP	1/4-28	3/4	5/16	.307	7/32	21/64	.047	5/16	9	5
HFM813164T-DBP	M8 x P1.3	7/8	5/8	.368	19/64	.435	.055	9.5	17	2.5
HF5618144T-DBP	5/16-18	7/8	7/8	.370	19/64	.435	.059	3/8	21	2
HF381674T-DBP	3/8-16	1	7/16	.440	11/32	.485	.063	29/64	19	2
HFM1015114T-DBP	M10 x P1.5	25.4	11.1	11.5	8.7	12.3	1.6	11.7	19	2
HF381674ST-DB	3/8-16	1	7/16	.440	9/32	.485	.063	29/64	19	2
HF3816104T	3/8-16	1	5/8	.440	5/16	31/64	.063	29/64	22	2
HF382474-DBP	3/8-24	1	7/16	.460	11/32	.485	.071	29/64	19	2
HF382474T-DBP	3/8-24	1	7/16	.440	11/32	.485	.063	29/64	19	2

¹ Available in Stainless Steel. (See page TN-43)
See Page TN-21 for T-Nut Automation

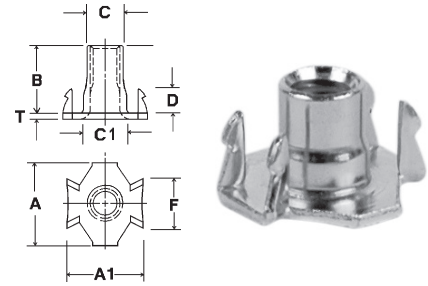
Above can be made with a Crimp Lock.

Stafast Products Inc.

T-NUTS, HOPPER FEED Tapered Barrel

Rectangular Base - Hook Prong

Tapered Barrel style T-Nuts offer the maximum retention in Hopper Feed T-Nuts for applications where push-out problems cause expensive rework. The Tapered Barrel easily drops into standard pilot hole and the second step acts like a bushing and press-fits into hole. This specially designed barrel combines with Hook Prongs to yield the best retention in soft materials.



Part Number	Thread Size	A x A1 Flange Width x Length	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./ M	Pcs. Ctn. M
THF08326H-DB	8-32	11/16 x 45/64	3/8	.210	.255	5/16	5/16	.039	7/32	7	5
THF08326-DB ³	8-32	23/32 x .673	3/8	.210	.234	3/16	5/16	.032	7/32	6	5
THF08326S-DB ³	8-32	23/32 x .695	3/8	.208	.234	1/8	5/16	.031	7/32	6	5
THF10246H-DB	10-24	11/16 x 45/64	3/8	.230	.280	5/16	5/16	.039	1/4	8	5
THF10246SH-DB ¹	10-24	11/16 x 45/64	3/8	.243	17/64	13/64	5/16	.039	1/4	8	5
THF10247H-DB	10-24	11/16 x 45/64	7/16	.230	.280	5/16	5/16	.039	1/4	8	5
THF10248H-DB	10/24	11/16 x 45/64	.515	.243	.280	5/16	5/16	.039	1/4	8	5
THF10327H-DB	10/32	11/16 x 45/64	7/16	.230	.280	5/16	5/16	.039	1/4	8	5
THF14206H-DB	1/4-20	11/16 x 45/64	3/8	.305	.340	5/16	.335	.047	5/16	9	5
THFM61010H	M6XP1.0	17.5 x 18.0	9.5	7.7	8.6	7.9	8.5	1.2	7.9	9	5
THF14206LH-DB ²	1/4-20	53/64 x 13/16	3/8	.305	.350	5/16	13/32	.051	5/16	9	2.5
THF14207H-DB	1/4-20	11/16 x 45/64	7/16	.305	.340	5/16	.335	.047	5/16	10	5
THF14209H-DB	1/4-20	11/16 x 45/64	9/16	.305	.340	5/16	.335	.047	5/16	11	4
THF56188H-DB*	5/16-18	53/64 x 13/16	1/2	.370	.445	5/16	.409	.059	25/64-13/32	16	2.5
THF561810H-DB	5/16-18	53/64 x 13/16	5/8	.370	.445	11/32	.409	.059	25/64-13/32	18	2.5
THF561810EH-DB	5/16-18	53/64 x 13/16	5/8	.370	.415	11/32	.409	.051	25/64-13/32	16	2.5
THF5618104TF16DB ³	5/16-18	1 x 1	5/8	.370	.395	9/32	15/32	.059	25/64-13/32	16	2.5

¹ SH = Chisel Short Hook Prong

² L = Large Flange. Runs in 5/16 T-Nut Machine.

³ See Page TN-15 for Prong Configuration

See Page TN-21 for T-Nut Automation

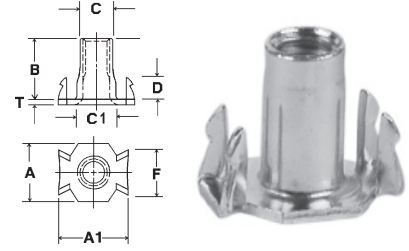
Above sizes can be made with a crimp lock.

Stafast Products Inc.

T-NUTS, HOPPER FEED Straight and Tapered Barrel

Slab Base - Hook Prong

These T-Nuts are good for edge attachments or where the prong could split material. Ideal for speaker applications. The narrow base is easily adapted to the edge of the speaker baffle board to mount the speaker. Features a Tapered Barrel and Hook Prong for greater retention over standard T-Nut.



Part Number	Thread Size	A Flange Width	A1 Flange Length	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	D Prong Height	F Distance Between Prongs	T Material Thickness	Lbs./M	Pcs. Ctn. M
SHF10244H-DB	10-24	.50	.703	.281	.243	.243	.219	.297	.039	7	5
SHF10324H-DB	10-32	.50	45/64	9/32	.243	.243	7/32	19/64	.039	7	5
SHF14204H-DB	1/4-20	.50	45/64	1/4	.305	.305	7/32	21/64	.047	9	5
SHF14205H-DB	1/4-20	.50	45/64	5/16	.305	.305	15/64	.335	.047	9	5
SHF14206H-DB	1/4-20	.50	45/64	3/8	.305	.305	5/16	21/64	.047	9	5
SHF14207H-DB*	1/4-20	.50	45/64	7/16	.305	.305	.297	.328	.047	9	5
SHF14209H-DB*	1/4-20	.50	.703	.562	.305	.305	.297	.328	.047	11	4
STHF08326H	8-32	.50	.75	.380	.208	.255	.34	.330	.031	6	6
STHF10246H	10-24	.50	.75	.380	.230	.280	.340	.330	.035	7	5
STHF10248H-DB	10-24	.50	45/64	.515	.230	.280	5/16	5/16	.039	8	5
STHF10326H	10-32	.50	.75	.380	.230	.280	.340	.330	.035	7	6

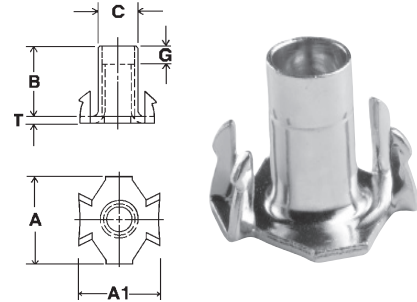
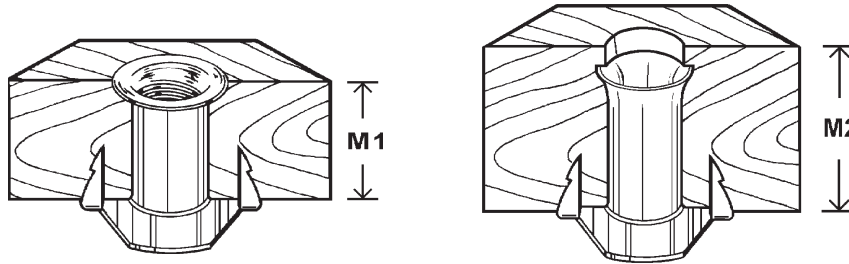
* These sizes also available in rivet style.

Stafast Products Inc.

T-NUTS, HOPPER FEED

Rivet - Hook Prong

Rivet T-Nuts offer maximum resistance to push-out and torque-out. The counter bore is used to flare the top of the T-Nut over the material so the T-Nut can be used as a rivet. Ideal for soft or thin material where retention is a problem. The Rivet T-Nut also has a lead to align bolts for improved thread engagement. Counter bore depth can be varied to customer's specification.



Part Number	Thread Size	A x A1 Flange Width x Length	Component Thickness Rollover M1	Component Thickness Internal Rivet M2	B Barrel Height	C Barrel Diameter	G Counter Bore Depth	T Material Thickness	Lbs./ M	Pcs. Ctn. M
HF10327HCB3	10-32	11/16 x 45/64	5/16-7/16	7/16+	7/16	.243	3/16	.039	8	5
HF14207HCB3	1/4-20	11/16 x 45/64	5/16-7/16	7/16+	7/16	.305	3/16	.047	9	5
HF14209HCB3	1/4-20	11/16 x 45/64	7/16-9/16	9/16+	9/16	.305	3/16	.047	10	4
HF142011HCB3	1/4-20	11/16 x 45/64	9/16-11/16	11/16+	11/16	.305	3/16	.047	15	2.5
HF142012HCB3	1/4-20	11/16 x 45/64	5/8-3/4	3/4+	3/4	.305	3/16	.047	16	2.5
HF142014HCB5	1/4-20	11/16 x 45/64	3/4-7/8	7/8+	7/8	.305	5/16	.047	13	3
HF56187EHCB3	5/16-18	53/64 x 13/16	5/16-7/16	7/16+	7/16	.370	3/16	.051	14	2.5
HF56188EHCB3	5/16-18	53/64 x 13/16	3/8-1/2	1/2+	1/2	.370	3/16	.051	14	2.5
HF561810EHCB3	5/16-18	53/64 x 13/16	1/2-5/8	5/8+	5/8	.370	3/16	.051	16	2.5

Rivet Style can be made without prongs.

Above sizes can be made with a Crimp Lock.

See Page TN-21 for T-Nut Automation

Recommended Pilot Hole Sizes		
Thread Size	Rollover	Internal Flare
#10	1/4-17/64	5/16"
1/4	5/16-21/64	3/8"
5/16	3/8-25/64	7/16"
3/8	7/16-29/64	1/2"

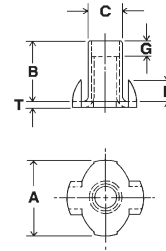
Stafast Products Inc.

T-NUTS, HOPPER FEED Standard and Large Flange

Rivet

Rivet T-Nuts offer the ultimate retention for plastic, soft materials or components where push-out is a concern. The Rivet T-Nut also has a lead to align bolts for improved thread engagement.

M1 & M2 (See page TN-18)



Part Number	Thread Size	Component Thickness Rollover M1	Component Thickness Internal Rivet M2	A Flange Diameter	B Barrel Height	C Barrel Diameter	G Counter Bore Depth	T Material Thickness	Lbs./M	Pcs. Ctn. M
HF102474CB3*	10-24	5/16-7/16	7/16+	3/4	7/16	.243	3/16	.039	8	5
HF102474CB4	10-24	1/4-7/16	7/16+	3/4	7/16	.243	9/32	.039	8	5
HF103274CB3	10-32	5/16-7/16	7/16+	3/4	7/16	.243	3/16	.039	8	5
HF142074CB3*	1/4-20	5/16-7/16	7/16+	3/4	7/16	.305	3/16	.047	8	5
HF14207F20CB3DB	1/4-20	5/16-7/16	7/16+	1.25	7/16	.305	3/16	.047	20	2
HF14209CB3-DB	1/4-20	7/16-9/16	9/16+	3/4	9/16	.305	3/16	.047	10	4
HF142094CB3F20	1/4-20	7/16-9/16	9/16+	1-1/4	9/16	.305	3/16	.047	22	1.5
HF1420144CB5	1/4-20	5/8-7/8	7/8+	3/4	7/8	.305	5/16	.047	13	3
HF561884CB3	5/16-18	3/8-1/2	1/2+	7/8	1/2	.390	3/16	.063	17	2.5
HF381674TCB3-DB*	3/8-16	1/4-7/16	7/16+	1	7/16	.440	3/16	.063	22	2

* Also available in Stainless Steel

Above sizes can be made with a crimp lock.

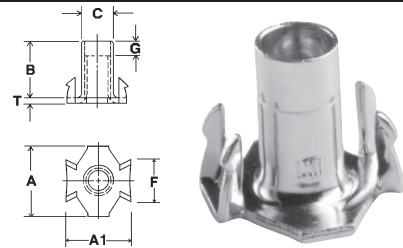
See Page TN-18 for recommended pilot hole sizes.

Stafast Products Inc.

LOCKING T-NUTS, HOPPER FEED

Rivet - Crimp Lock

Rivet T-Nuts offer the ultimate retention for plastic, soft materials or components where push-out is a concern. The Rivet T-Nut also has a lead to align bolts for improved thread engagement. The crimp lock feature is an economical alternative to other locking methods. The entry torque can be controlled to meet specific requirements. Automation equipment is available to further lower assembled costs.



Rivet Style, Rectangular Base

Part Number	Thread Size	A x A1 Flange Width x Length	Component Thickness Rollover- Starburst	Component Thickness Internal Rivet	B Barrel Height	C Barrel Diameter	G Counter Bore Depth	T Material Thickness	Lbs./ M	Pcs. Ctn. M
HF10247HCB3CL	10-24	11/16 x 45/64	5/16-7/16	7/16+	7/16	.243	3/16	.039	8	5
HF10327HCB3CL	10-32	11/16 x 45/64	5/16-7/16	7/16+	7/16	.243	3/16	.039	8	5
HF14207HCB3CL	1/4-20	11/16 x 45/64	5/16-7/16	7/16+	7/16	.305	3/16	.047	9	5
HF14209HCB3CL	1/4-20	11/16 x 45/64	7/16-9/16	9/16+	9/16	.305	3/16	.047	10	4
HF142011HCB3CL	1/4-20	11/16 x 45/64	9/16-11/16	11/16+	11/16	.305	3/16	.047	15	2.5
HF142012HCB3CLL	1/4-20	11/16 x 45/64	5/8-3/4	3/4+	3/4	.305	3/16	.047	16	2.5
HF142014HCB5CL	1/4-20	11/16 x 45/64	3/4-7/8	7/8+	7/8	.305	5/16	.047	13	3
HF142014HCB3CL6	1/4-20	11/16 x 45/64	3/4-7/8	7/8+	7/8	.305	3/16	.047	13	3
HF56188EHCB3CL	5/16-18	53/64 x 13/16	3/8-1/2	1/2+	1/2	.370	3/16	.051	14	2.5
HF561810EHCB3CL	5/16-18	53/64 x 13/16	1/2-5/8	5/8+	5/8	.370	3/16	.051	16	2.5

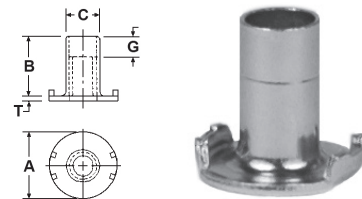
See Page TN-18 for recommended pilot hole sizes.

T-NUTS, HOPPER FEED

Rivet - Tabs

Rivet 2 Tab T-Nuts are recommended for plastic or high density materials. This T-Nut is also used in edge attachment areas where splitting can be a concern. Rivet Style T-Nuts give ultimate retention while special prongs prevent spin-out.

M1 & M2 (See page TN-18)



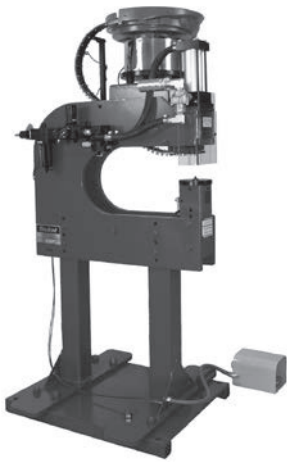
Part Number	Thread Size	A Flange Diameter	Component Thickness Rollover M1	Component Thickness Internal Rivet M2	B Barrel Height	C Barrel Diameter	G Counter Bore Depth	T Material Thickness	Lbs./ M	Pcs. Ctn. M
HF14207T2CB3	1/4-20	39/64	5/16-7/16	7/16+	7/16	.305	3/16	.047	8	5
HF14209T2CB3	1/4-20	39/64	7/16-9/16	9/16+	9/16	.305	3/16	.047	9	4

See Page TN-21 for T-Nut Automation

See Page TN-18 for recommended pilot hole sizes.

Stafast Products Inc.

T-NUT AUTOMATION

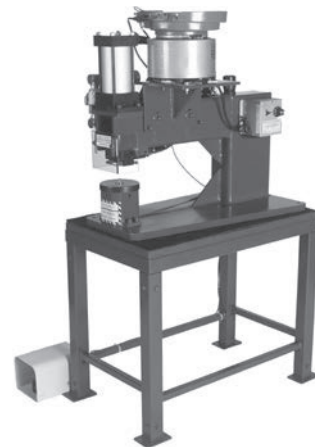


Rivet / Standard

- ◆ Automatically rivets up to 3000 or up to 4500 standard T-Nuts per hour.
- ◆ The “Ultimate” in T-Nut insertion for the greatest possible retention.
- ◆ Multiple T-Nut riveting styles for different applications.
- ◆ Can drive both standard Hopper Feed T-Nuts and Rivet T-Nuts.

Bench Top

- ◆ Stafast’s most economical T-Nut insertion Machine.
- ◆ Especially designed to move in and out of work cells.
- ◆ Inserts Stafast’s standard line of quality Hopper Feed T-Nuts.

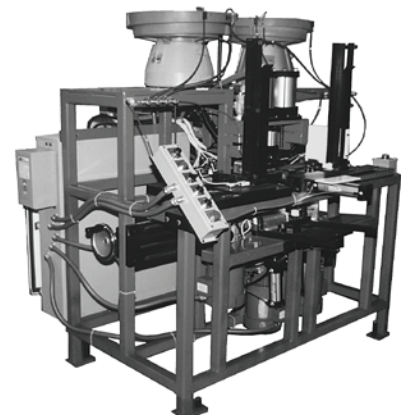


Single/Double Drill Drive

- ◆ Accurately drills and drives up to 5000 T-Nuts per hour.
- ◆ Excellent for ottomans, leg rest, and rail applications.
- ◆ Easily adjusts to different component sizes.
- ◆ Nose to nose set up available on double drill drive.
- ◆ Motorized adjustment track optional.

Custom T-Nut Machine

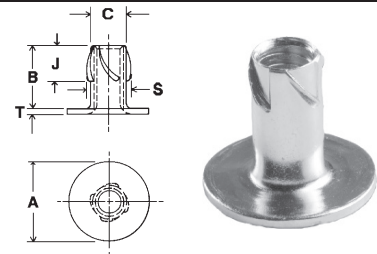
- ◆ Simultaneously drills and inserts multiple T-Nuts.
- ◆ Automated components handling.
- ◆ Excellent for high volume repetitive components.
- ◆ Engineered for your individual machine requirements.



Stafast Products Inc.

PROPELL NUTS

The deep skives provide excellent retention for blind and end-grain applications such as glides, levelers, wood turnings, or hard material applications that may split with regular prong type T-Nuts. Also popular in hard plastic applications.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	J Skive Length	S Skive Diameter	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
P08324F8	8-32	.500	1/4	.213	.100	.245	.039	13/64	5	5
P08324	8-32	23/32	1/4	.203	.118	.250	.031	13/64	5	5
P10245F11	10-24	45/64	5/16	.255	.110	.300	.047	1/4	7	5
P10324F9(.230)	10-32	19/32	15/64	.243	.118	.300	.039	1/4	7	5
P10325F11	10-32	45/64	5/16	.255	.110	.300	.047	1/4	7	5
P14203S	1/4-20	3/4	.200	.302	.110	.346	.047	5/16	9	5
SP14203SFW9 ¹	1/4-20	See Below	.200	.305	7/64	.336	.047	5/16	9	5
SP14205FW9 ¹	1/4-20	See Below	5/16	.305	.165	.355	.047	5/16	9	5
P14205 ²	1/4-20	3/4	5/16	.305	.155	.352	.047	5/16	9	5
P14207	1/4-20	3/4	7/16	.305	.175	.352	.047	5/16	9	5
P14208F10	1/4-20	5/8	1/2	.305	.190	.352	.047	5/16	8	5
P14208F10S	1/4-20	5/8	1/2	.305	.190	.354	.047	5/16	8	5
P14209	1/4-20	3/4	9/16	.305	.175	.352	.047	5/16	11	4
P56186 ²	5/16-18	7/8	3/8	.390	.245	.470	.063	25/64	15	2.5
P56186T	5/16-18	7/8	3/8	.375	13/64	.445	.059	3/8	14	2.5
P561810	5/16-18	7/8	5/8	.390	1/4	.429	.063	25/64	18	2.5
P561810T	5/16-18	7/8	5/8	.370	.200	.430	.055	3/8	17	2.5
P561810F12	5/16-18	3/4	5/8	.390	.210	.450	.063	25/64	15	2.5
P561810TF12	5/16-18	3/4	5/8	.370	.200	.430	.055	25/64	14	2.5

¹ Slab Base Propell Nut - flange .75 x .562

² Available in Stainless Steel. (See page TN - 43).

Stafast Products Inc.

PROPELL NUTS

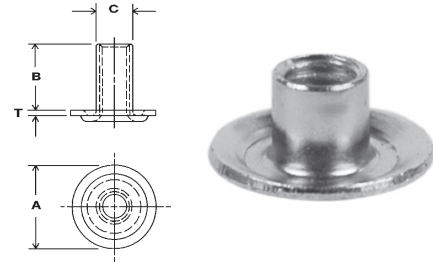
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	J Skive Length	S Skive Diameter	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
P561814T	5/16-18	7/8	7/8	.385	9/32	.470	.059	25/64	21	2
P38167T	3/8-16	1	7/16	.440	7/32	.535	.063	29/64	19	2
P381610T	3/8-16	1	5/8	.440	7/32	.535	.063	29/64	23	2
P12136	1/2-13	1-1/4	3/8	.580	13/64	.690	.091	19/32	39	1
P58116	5/8-11	1-1/4	3/8	.730	13/64	.840	.091	47/64	49	1

Stafast Products Inc.

TRAILER NUTS Dished Flange

Dished Flange has more shear strength than a conventional T-Nut. Used by trailer manufacturers for metal and FRP body attachments.

Also available with hex drive.

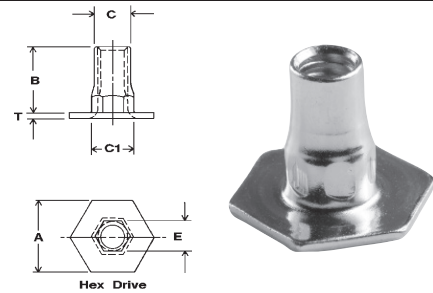


Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R14204H3DF*	1/4-20	7/8	.225	.325	.063	17	2.5
RM71006H3DF*	M7 x P1.0	22.2	5.7	9.3	1.6		
R56186TDF	5/16-18	7/8	.315	.370	.059	14	2.5
R561810TDF	5/16-18	7/8	.571	.370	.059	17	2.5
R561814TDF	5/16-18	7/8	.820	.370	.059	21	2

*H3 = 3 Holes .098 Diameter

PALLET NUTS Hex Base

Hex Base Pallet Nuts enable the user to drive or hold the T-Nut with a Hex Key or Bit to tighten assembly.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Lead O.D.	C1 Press-Fit O.D.	E Hex Drive	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
H14209THD*	1/4-20	.750	9/16	.305	.374	1/4	.047	5/16-3/8	12	4
H14209H8	1/4-20	1/2	9/16	.305	N/A	N/A	.047	5/16	11	4
HM61011EB-ZN	M6 x P1.0	.510	.428	.304	N/A	N/A	.047	5/16	10	3.8
H381616HD	3/8-16	.970	1	.438	9/16	3/8	.071	7/16-9/16	35	1.4

*Also available with a crimp lock.

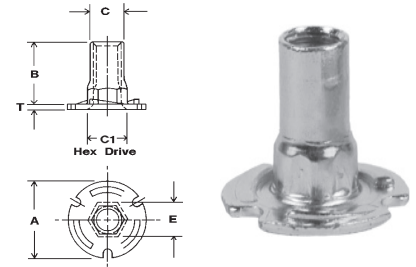
See page TN - 25 for Round Base Styles.

Stafast Products Inc.

PALLET NUTS

Round Base - With Locking Flange

Pallet Nut is designed for wood pallet assembly. Flange lock grips the wood to prevent turning when tightening bolt. Unique low profile nut with hex drive can be tightened instead of the bolt to make it ideal for carriage bolt applications.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Lead O.D.	C1 Press Fit O.D.	E Hex Drive	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
R142013HDLF ¹	1/4-20	1	13/16	.297	7/16	5/16	.050	5/16-7/16	19	2.5
R561812HDLF ¹	5/16-18	1	23/32	.375	7/16	5/16	.068	3/8-7/16	22	2
R561814HDLF	5/16-18	1	7/8	.375	15/32	5/16	.063	3/8-7/16	24	2
R381616HDLF	3/8-16	1-7/32	1	.438	9/16	3/8	.071	7/16-9/16	40	1.1

¹ This style is a special run.

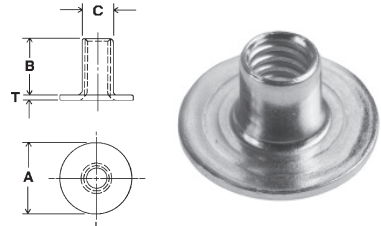
Can also be made without locking flange.

Stafast Products Inc.

WELD NUTS Round Base

Plain Base

Available with holes or bosses up or down. Flange can be curved up toward the barrel, or down away from barrel. Economical approach for metal working applications or for appliance levelers that can use a flange with a material thickness of .093 or less. Thread lengths up to 7/8" make this style advantageous for leveling.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R04402	4-40	3/8	1/8	.138	.024	2	50
R06324	6-32	9/16	1/4	.162	.024	3	15
R08323F8	8-32	1/2	11/64	.201	.031	4	10
R08324	8-32	23/32	1/4	.209	.031	5	5
RM40706	M4 x P0.7	18.0	6.3	5.3	0.8		
R08324TF8	8-32	1/2	1/4	.220	.039	4	10
R08324F9	8-32	19/32	1/4	.220	.043	6	10
R08324F.350	8-32	.350	1/4	.209	.031	5	5
R08327	8-32	23/32	7/16	.208	.031	5	5
R10244 ¹	10-24	3/4	9/32	.243	.039	7	5
R10245	10-24	3/4	5/16	.243	.039	7	5
R10245F11	10-24	45/64	5/16	.243	.039	7	5
R10247	10-24	3/4	7/16	.243	.039	8	5
R10247F11	10-24	45/64	7/16	.243	.039	8	5
R10324 ¹	10-32	3/4	9/32	.243	.039	7	5
R10324F350	10-32	.350	9/32	.243	.039	7	5
R10325	10-32	3/4	5/16	.243	.039	7	5
R10325F11	10-32	45/64	5/16	.243	.039	7	5
R10327	10-32	3/4	7/16	.243	.039	7	5
R10327F11	10-32	45/64	7/16	.243	.039	7	5
R14203	1/4-20	3/4	3/16	.305	.047	8	5

¹ Available in Stainless Steel. (See page TN - 44).

Stafast Products Inc.

WELD NUTS Round Base						Plain Base	
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R14205 ¹	1/4-20	3/4	5/16	.305	.047	9	5
<i>RM61008</i>	<i>M6 x P1.0</i>	19.1	7.9	7.7	1.2		
R14205F20	1/4-20	1-1/4	5/16	.305	.047	10	2.5
R14207	1/4-20	3/4	7/16	.305	.047	9	5
<i>RM61011</i>	<i>M6 x P1.0</i>	19.1	11.1	7.7	1.2		
R14209	1/4-20	3/4	9/16	.305	.047	11	4
<i>RM61014</i>	<i>M6 x P1.0</i>	19.1	14.3	7.7	1.2		
R14209F20	1/4-20	1-1/4	9/16	.305	.047	14	1.5
R142014	1/4-20	3/4	7/8	.305	.047	14	3
R142014F8	1/4-20	.500	7/8	.295	.047	14	3
R14285	1/4-28	3/4	5/16	.305	.047	9	5
R56186 ¹	5/16-18	7/8	3/8	.390	.063	15	2.5
R56186T	5/16-18	7/8	3/8	.370	.055	14	2.5
<i>RM81310T</i>	<i>M8 x P1.25</i>	22.2	9.5	9.4	1.4		
R56186TF10	5/16-18	.625	3/8	.370	.055	14	2.5
R561810T	5/16-18	7/8	5/8	.370	.055	17	2.5
<i>RM81316T</i>	<i>M8 x P1.25</i>	22.2	15.9	9.4	1.4		
R561814T	5/16-18	7/8	7/8	.375	.059	21	2
R56246	5/16-24	7/8	3/8	.390	.063	14	2.5
R38167 ¹	3/8-16	1	7/16	.460	.071	21	2
<i>RM101511¹</i>	<i>M10 x P1.5</i>	25.4	11.1	11.9	1.7		
R38167T	3/8-16	1	7/16	.440	.063	20	2
<i>RM101511T</i>	<i>M10 x P1.5</i>	25.4	11.1	11.5	1.6		
R381610T	3/8-16	1	5/8	.440	.063	21	2
R38247	3/8-24	1	7/16	.460	.071	21	2
R38247T	3/8-24	1	7/16	.440	.063	19	2
R12136	1/2-13	1-1/4	3/8	.591	.091	39	1
R58116	5/8-11	1-7/16	3/8	.720	.091	49	.8

¹ Available in Stainless Steel. (See page TN - 44).

Also available in UNF and Metric Thread.

Can also be made as a Rivet Style.

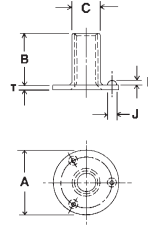
Above parts available with crimp lock feature and/or **custom modifications** to meet your special application need.

Stafast Products Inc.

WELD NUTS Round Base

3 Bosses - Barrel Side

Available with bosses on either side of the flange for projection welding applications. Also used where bosses are needed to restrict nut from spinning when tightened.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
R08324B3U	8-32	23/32	1/4	.209	7/64	.031	.031	5	5
R10244B3U	10-24	3/4	9/32	.243	7/64	.039	.039	7	5
R10245B3U ¹	10-24	3/4	5/16	.243	7/64	.039	.039	7	5
R10247B3U ¹	10-24	3/4	7/16	.243	7/64	.039	.039	8	5
R10324B3U	10-32	3/4	9/32	.243	7/64	.039	.039	7	5
R10325B3U ¹	10-32	3/4	5/16	.243	7/64	.039	.039	7	5
R10327B3U ¹	10-32	3/4	7/16	.243	7/64	.039	.039	7	5
R14203B3U	1/4-20	3/4	3/16	.305	7/64	.039	.047	8	5
R14204B3U	1/4-20	3/4	1/4	.305	7/64	.039	.047	8	5
R14205B3U	1/4-20	3/4	5/16	.305	7/64	.039	.047	9	5
RM61008B3U	M6 x P1.0	19.1	7.9	7.7	2.8	1.0	1.2	9	5
R14207B3U	1/4-20	3/4	7/16	.305	7/64	.039	.047	9	5
RM61011B3U	M6 x P1.0	19.1	11.1	7.7	2.8	1.0	1.2	9	5
R14209B3U	1/4-20	3/4	9/16	.305	7/64	.039	.047	11	4
RM61014B3U	M6 x P1.0	19.1	14.3	7.7	2.8	1.0	1.2	11	4
R142014B3U	1/4-20	3/4	7/8	.305	7/64	.039	.047	14	3
R56186TB3U	5/16-18	7/8	3/8	.370	9/64	.043	.055	14	2.5
RM81310TB3U	M8 x P1.25	22.2	9.5	9.4	3.6	1.1	1.4	14	2.5
R561810TB3U	5/16-18	7/8	5/8	.370	9/64	.043	.055	17	2.5
RM81316TB3U	M8 x P1.25	22.2	15.9	9.4	3.6	1.1	1.4	17	2.5
R561814TB3U	5/16-18	7/8	7/8	.375	9/64	.043	.059	21	2
R38167TB3U	3/8-16	1	7/16	.440	5/32	.051	.063	20	2
RM101511TB3U	M10 x P1.5	25.4	11.1	11.5	4.0	1.3	1.6	20	2
R38167TB3UW	3/8-16	1	7/16	.440	.156	.039	.063	21	2
R381610TB3U	3/8-16	1	5/8	.440	5/32	.051	.063	22	2
R12136B3U	1/2-13	1-1/4	3/8	.591	5/32	.055	.091	39	1
R58116B3U	5/8-11	1-7/16	3/8	.720	5/32	.055	.091	49	.8

¹ Available with 45/64 flange.

Stafast Products Inc.

WELD NUTS Round Base	3 Bosses - Flange Side
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Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
R06324B3D	6-32	9/16	1/4	.162	3/32	.031	.024	4	15
R08324B3D	8-32	23/32	1/4	.208	7/64	.031	.031	5	5
R10244B3D	10-24	3/4	9/32	.243	7/64	.039	.039	7	5
R10245B3D ¹	10-24	3/4	5/16	.243	7/64	.039	.039	7	5
R10247B3D ¹	10-24	3/4	7/16	.243	7/64	.039	.039	8	5
R10324B3D	10-32	3/4	9/32	.243	7/64	.039	.039	7	5
R10325B3D ¹	10-32	3/4	5/16	.243	7/64	.039	.039	7	5
R10327B3D ¹	10-32	3/4	7/16	.243	7/64	.039	.039	7	5
R14204B3D	1/4-20	.750	1/4	.305	7/64	.039	.047	8	5
R14205B3D	1/4-20	3/4	5/16	.305	7/64	.039	.047	9	5
RM61008B3D	M6 x P1.0	19.1	7.9	7.7	2.8	1.0	1.2	9	5
R14207B3D	1/4-20	3/4	7/16	.305	7/64	.039	.047	9	5
RM61011B3D	M6 x P1.0	19.1	11.1	7.7	2.8	1.0	1.2	9	5
R14209B3D	1/4-20	3/4	9/16	.305	7/64	.039	.047	11	4
RM61014B3D	M6 x P1.0	19.1	14.3	7.5	2.8	1.0	1.2	11	4
R142014B3D	1/4-20	3/4	7/8	.305	7/64	.039	.047	14	3
R56186TB3D	5/16-18	7/8	3/8	.370	9/64	.043	.055	14	2.5
RM81310TB3D	M8 x P1.25	22.2	9.5	9.4	3.6	1.1	1.4	14	2.5
R561810TB3D	5/16-18	7/8	5/8	.370	9/64	.043	.055	17	2.5
RM81316TB3D	M8 x P1.25	22.2	15.9	9.4	3.6	1.1	1.4	17	2.5
R561814TB3D	5/16-18	7/8	7/8	.375	9/64	.043	.059	21	2
R38167TB3D	3/8-16	1	7/16	.440	5/32	.051	.063	21	2
R38167TB3DW	3/8-16	1	7/16	.440	.156	.039	.063	19	2
R381610TB3D	3/8-16	1	5/8	.440	5/32	.051	.063	22	2
R12136B3D	1/2-13	1-1/4	3/8	.591	5/32	.055	.091	39	1

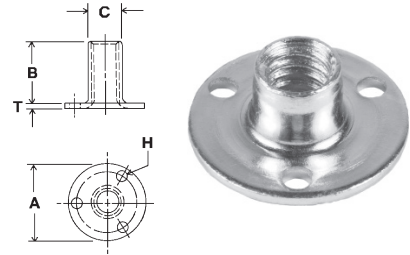
¹ Available with 45/64 flange.

Stafast Products Inc.

WELD NUTS Round Base

2 or 3 Holes

Allows a nail, drive screw or rivet to hold the part in place. The holes also provide an anchoring point for parts molded in plastic, allowing the plastic to flow through the holes.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	H Hole Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R06324H3	6-32	9/16	1/4	.162	.075	.024	3	15
R08324H3	8-32	23/32	1/4	.208	.098	.031	5	5
R10244H3	10-24	3/4	9/32	.243	.098	.039	7	5
R10245H3	10-24	3/4	5/16	.243	.098	.039	7	5
R10324H3	10-32	3/4	9/32	.243	.098	.039	7	5
R14204H3	1/4-20	3/4	1/4	.305	.098	.047	8	5
R14205H3	1/4-20	3/4	5/16	.305	.098	.047	9	5
RM61008H3	M6 x P1.0	19.1	7.9	7.7	2.5	1.2	9	5
R14207H3	1/4-20	3/4	7/16	.305	.098	.047	9	5
RM61011H3	M6 x P1.0	19.1	11.1	7.7	2.5	1.2	9	5
R14209H3	1/4-20	3/4	9/16	.305	.098	.047	10	4
RM61014H3	M6 x P1.0	19.1	14.3	7.7	2.5	1.2	10	4
R142014H3	1/4-20	3/4	7/8	.305	.098	.047	14	3
R56186TH3 ¹	5/16-18	7/8	3/8	.370	.098	.055	14	2.5
RM81310TH3	M8 x P1.25	22.2	9.5	9.4	2.5	1.4	14	2.5
R561810TH3 ¹	5/16-18	7/8	5/8	.370	.098	.055	16	2.5
RM81316TH3	M8 x P1.25	22.2	15.9	9.4	2.5	1.4	16	2.5
R561814TH3 ¹	5/16-18	7/8	7/8	.375	.098	.059	20	2
R56246H3	5/16-24	7/8	3/8	.390	.098	.063	14	2.5
R38167TH3 ¹	3/8-16	1	7/16	.440	.145	.063	19	2
RM101511TH3	M10 x P1.5	25.4	11.1	11.5	3.7	1.6	19	2
R381610TH3 ¹	3/8-16	1	5/8	.440	.145	.063	22	2
R381612H3F20	3/8-16	1.25	.75	.464	.145	.071	37	1
R12136H3	1/2-13	1-1/4	3/8	.591	.160	.091	36	1
R58116H3	5/8-11	1-7/16	3/8	.720	.160	.091	48	.8

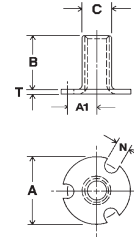
¹ Available with 2 holes (hole diameter may vary)

Stafast Products Inc.

WELD NUTS Round Base

3 Slots

Three Slots on flange provide a method of holding or driving this Weld Nut for wood or plastics. A spanner wrench can be used in the slot to tighten the connection. When molded into plastic the nut forms a secure bond that prevents part from turning.



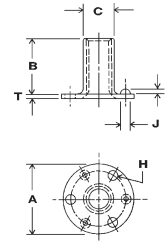
Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	N Slot Diameter	A1 Slot Location	T Material Thickness	Lbs./ M	Pcs. Ctn. M
R14205S3	1/4-20	3/4	1/3	.305	.180	19/64	.047	9	5
R14207S3	1/4-20	3/4	7/16	.305	.180	19/64	.047	9	5
R14209S3	1/4-20	3/4	9/16	.305	.180	19/64	.047	10	4
R56186TS3	5/16-18	7/8	3/8	.370	.180	11/32	.055	15	2.5
R561810TS3	5/16-18	7/8	5/8	.370	.180	11/32	.055	18	2.5

Other sizes available upon request.

WELD NUTS Round Base

3 Bosses and 3 Holes

The combination of **3 Holes and 3 Bosses** (barrel or flange side) allows this nut to be used in a wide variety of metal or plastic molding applications. Bosses allow it to be welded to metal or secured in plastic. Holes allow plastic to flow through the part or may be used as anchoring points for rivets, nails, or screws to secure the part in wood applications.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	H Hole Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./ M	Pcs. Ctn. M
R14205H3B3U	1/4-20	3/4	5/16	.305	.098	7/64	.039	.047	9	5
R14207H3B3U	1/4-20	3/4	7/16	.305	.098	7/64	.039	.047	9	5
R14209H3B3U	1/4-20	3/4	9/16	.305	.098	7/64	.039	.047	11	4
R56186TH3B3U	5/16-18	7/8	3/8	.375	.098	9/64	.043	.055	14	2.5
R561810TH3B3U	5/16-18	7/8	5/8	.370	.098	9/64	.043	.059	16	2.5
R58116H3B3U	5/8-11	1-7/16	3/8	.720	.160	5/32	.055	.091	48	.8

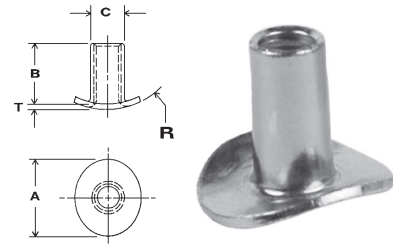
Refer to Round Base Pages TN - 26 and TN - 27. Other sizes available upon request.

Stafast Products Inc.

WELD NUTS Round Base

Curved Flange Up

Can be curved toward the barrel (up) or away from the barrel (down). This enables the part to be welded more smoothly on round surfaces. Ideal for tubular assemblies. Eliminates the need for a washer and hex nut and provides a secure and smooth assembly without exposed rough nuts or lock washers.



Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	R Radius	T Material Thickness	Lbs./M	Pcs. Ctn. M
R14205CFUR9	1/4-20	3/4	5/16	.305	.553	.047	9	5
R14209CFUR9	1/4-20	3/4	9/16	.305	.553	.047	11	4
R56186TCFUR7	5/16-18	7/8	3/8	.370	.441	.059	14	2.5
R56186TCFUR15	5/16-18	7/8	3/8	.370	.941	.059	14	2.5
R561810TCFUR15	5/16-18	7/8	5/8	.370	.941	.059	17	2.5
R38167TCFUR.5	3/8-16	1	7/16	.440	1/2	.063	19	2
R38167TCFUR13	3/8-16	.978	7/16	.440	13/16	.062	19	2
R381610TCFUR.5	3/8-16	1	5/8	.440	1/2	.062	21	2
R381610TCFUR20	3/8-16	1	5/8	.440	1.25	.063	22	2

WELD NUTS Round Base

Curved Flange Down

R10244CFDFR7	10-24	23/32	9/32	.243	.460	.039	7	5
R10244CFDFR13	10-24	.750	9/32	.243	13/16	.039	7	5
R14205CFDR9	1/4-20	3/4	5/16	.305	.547	.047	9	5
R14205CFDR13	1/4-20	.750	5/16	.305	13/16	.047	9	5
R14209CFDR9	1/4-20	3/4	9/16	.305	.547	.047	11	4
R56186TCFDR17	5/16-18	7/8	3/8	.375	1.059	.059	14	2.5
R561810TCFDR17	5/16-18	7/8	5/8	.370	1.059	.055	17	2.5
R38167TCFDR13	3/8-16	1	7/16	.440	13/16	.063	19	2
R38167TCFD90	3/8-16	1	.44	.440	.25	.063	20	2

Other thread sizes, barrel heights and custom radius curves are available upon request.

In addition to the above, some **Slab Base** versions of above parts are available with curved flanges, up or down. (See page TN-38)

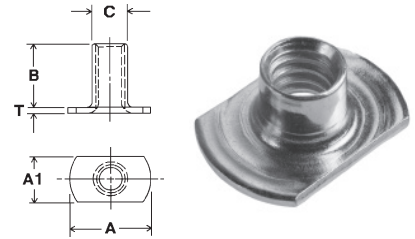
Stafast Products Inc.

WELD NUTS Slab Base

Plain Base

Slab Base Weld Nuts can be used as an economical insert molded into plastic or used in a narrow channel or tubing application.

The rectangular base prevents it from turning when confined in a molded plastic part or tubing.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
S06324	6-32	9/16	19/64	1/4	.162	.024	3	15
S06324FW7	6-32	9/16	7/16	1/4	.162	.024	3	15
S08323W ¹	8-32	.400	.300	.188	.200	.060	4	5
S08324	8-32	23/32	7/16	1/4	.208	.031	5	5
SM40705FW9	M4 x P0.7	17.0	9.0	5.2	5.3	1.0	4	10
S10244	10-24	3/4	1/2	9/32	.243	.039	6	5
SM50808	M5 x P0.8	19.1	12.7	7.9	6.2	1.0	6	5
S10244FW8CB1CE ²	10-24	.750	.500	17/64	.243	.040	6	5
S10247F11	10-24	45/64	1/2	7/16	.243	.039	7	5
S10324	10-32	3/4	1/2	9/32	.243	.039	6	5
S10327F11	10-32	45/64	1/2	7/16	.243	.039	7	5
S14203	1/4-20	3/4	1/2	3/16	.305	.047	6	5
S14204	1/4-20	3/4	1/2	1/4	.305	.047	7	5
S14205 ¹	1/4-20	3/4	1/2	5/16	.305	.047	8	5
SM61008	M6 x P1.0	19.1	12.7	7.9	7.7	1.2	8	5
S14207	1/4-20	3/4	1/2	7/16	.305	.047	8	5
SM61011	M6 x P1.0	19.1	12.7	11.1	7.7	1.2	8	5
S14209	1/4-20	3/4	1/2	9/16	.305	.047	9	4
SM61014	M6 x P1.0	19.1	12.7	14.3	7.7	1.2	9	4
S142014	1/4-20	3/4	1/2	7/8	.307	.047	13	3
S14285	1/4-28	3/4	1/2	1/3	.305	.047	7	5
JCNSB102416 ²	10-24	.669	.5	.65	.244	.079	11	5
JCNSB103216 ²	10-32	.669	.5	.65	.244	.079	11	4

¹ Available in Stainless Steel. (See page TN - 44).

² Closed end, non-through hole.

Above parts available with crimp lock feature and/or custom modifications to meet your special application need.

Stafast Products Inc.

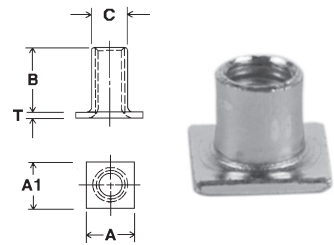
WELD NUTS Plain Base Slab Base

Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
S56186T	5/16-18	7/8	9/16	3/8	.370	.055	12	2.5
SM81310T	M8 x P1.25	22.2	14.3	9.5	9.5	1.4		
S561810T	5/16-18	7/8	9/16	5/8	.370	.055	15	2.5
S561814T	5/16-18	7/8	9/16	7/8	.375	.059	19	2
S56246	5/16-24	7/8	9/16	3/8	.390	.063	14	2.5
S38167T	3/8-16	1	5/8	7/16	.440	.063	16	2
SM101511T	M10 x P1.5	25.4	15.9	11.1	11.5	1.6		
S381610T	3/8-16	1	5/8	5/8	.440	.063	22	2
S38247T	3/8-24	1	5/8	7/16	.440	.063	16	2
S12136	1/2-13	1-1/4	3/4	3/8	.591	.091	29	1

Can also be made as a Rivet Style.

WELD NUTS Plain Base Square Base

Square base weld nuts can be used as an economical insert molded into plastic or used in a narrow channel or tubing application.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
SQ08324	8-32	.375	.375	1/4	.209	.031	5	5
SQ08324TF8	8-32	.375	.375	1/4	.220	.039	4	10
SQ10324	10-32	.200	.200	1/4	.250	.050	5	7
SQ10328	10-32	.400	.400	.500	.250	.050	6	7
SQ12137H4 ¹	1/2-13	1.38	1.38	7/16	.591	.091	52	1

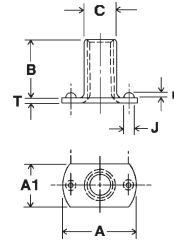
¹ Square Base Weld Nut with 4 holes - .165 hole diameter

Stafast Products Inc.

WELD NUTS Slab Base

2 or 4 Bosses - Barrel Side

Available with bosses on either side of the flange for spot welding applications.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
S08324B2U	8-32	23/32	7/16	1/4	.208	7/64	.031	.031	5	5
S10244B2U	10-24	3/4	1/2	9/32	.243	7/64	.043	.039	6	5
S10244B4U	10-24	3/4	1/2	9/32	.243	7/64	.043	.039	6	5
S10324B2U	10-32	3/4	1/2	9/32	.243	7/64	.043	.039	7	5
S10324B4U	10-32	3/4	1/2	9/32	.243	7/64	.043	.039	7	5
S14204B2U	1/4-20	3/4	1/2	1/4	.305	7/64	.043	.047	7	5
S14205B2U	1/4-20	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
SM61008B2U	M6 x P1.0	19.1	12.7	7.9	7.5	2.8	1.1	1.2	8	5
S14205B4U	1/4-20	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
S14207B2U	1/4-20	3/4	1/2	7/16	.305	7/64	.043	.047	8	5
SM61011B2U	M6 x P1.0	19.1	12.7	11.1	7.5	2.8	1.1	1.2	8	5
S14209B2U	1/4-20	3/4	1/2	9/16	.305	7/64	.043	.047	9	4
S14209B4U	1/4-20	3/4	1/2	9/16	.305	7/64	.043	.047	9	4
S142014B2U	1/4-20	3/4	1/2	7/8	.305	7/64	.043	.047	13	3
S14285B2U	1/4-28	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
S56186TB2U	5/16-18	7/8	9/16	3/8	.370	7/64	.047	.055	12	2.5
SM81310TB2U	M8 x P1.25	22.3	14.3	9.5	9.4	2.8	1.2	1.4	12	2.5
S56186B4U	5/16-18	7/8	9/16	3/8	.390	7/64	.043	.063	12	2.5
S56186TB4U	5/16-18	7/8	9/16	3/8	.370	7/64	.043	.055	12	2.5
S561810TB2U	5/16-18	7/8	9/16	5/8	.370	9/64	.047	.055	15	2.5
S561810B4U	5/16-18	7/8	9/16	5/8	.390	7/64	.043	.063	15	2.5
S561810TB4U	5/16-18	7/8	9/16	5/8	.370	7/64	.043	.055	15	2.5
S38167TB2U	3/8-16	1	5/8	7/16	.440	5/32	.047	.063	16	2
SM101511TB2U	M10 x P1.5	25.4	15.9	11.1	11.5	4.0	1.2	1.6	16	2

Stafast Products Inc.

WELD NUTS Slab Base	2 or 4 Bosses - Flange Side
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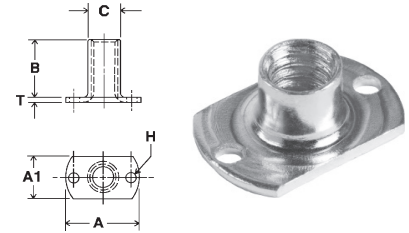
Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
S08324B2D	8-32	23/32	7/16	1/4	.208	7/64	.031	.031	5	5
S10244B2D	10-24	3/4	1/2	9/32	.243	7/64	.043	.039	6	5
SM50808B4D	M5 x P0.8	19.1	12.7	8.0	6.2	2.8	1.1	1.0		
S10324B2D	10-32	3/4	1/2	9/32	.243	7/64	.043	.039	6	5
S14204B2D	1/4-20	3/4	1/2	1/4	.305	7/64	.043	.047	7	5
S14205B2D	1/4-20	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
SM61008B2D	M6 x P1.0	19.1	12.7	7.9	7.5	2.8	1.1	1.2		
S14205B4D	1/4-20	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
S14205FW18B4D	1/4-20	.750	.70	.32	5/16	.118	.031	.047	8	5
SM61008FW18B4D	M6 x P1.0	19.1	17.7	8.0	7.9	3.0	.800	1.2		
S14207B2D	1/4-20	3/4	1/2	7/16	.305	7/64	.043	.047	8	5
SM61011B2D	M6 x P1.0	19.1	12.7	11.1	7.5	2.8	1.1	1.2		
S14209B2D	1/4-20	3/4	1/2	9/16	.305	7/64	.043	.047	9	4
S142012B2D	1/4-20	3/4	1/2	3/4	.305	7/64	.043	.047	12	2.5
S142014B2D	1/4-20	3/4	1/2	7/8	.305	7/64	.043	.047	13	3
S14285B2D	1/4-28	3/4	1/2	5/16	.305	7/64	.043	.047	8	5
S56186TB2D	5/16-18	7/8	9/16	3/8	.370	7/64	.047	.055	12	2.5
SM81310TB2D	M8 x P1.3	22.2	14.3	9.5	9.4	2.8	1.2	1.4		
S56186TB4D	5/16-18	7/8	9/16	3/8	.370	9/64	.047	.055	12	2.5
S561810TB2D	5/16-18	7/8	9/16	5/8	.370	9/64	.047	.055	15	2.5
S38167TB2D	3/8-16	1	5/8	7/16	.440	5/32	.047	.063	16	2

Stafast Products Inc.

WELD NUTS Slab Base

2 or 4 Holes

Allows a nail, drive screw or rivet to hold the part in place for both wood and plastic applications. The holes also provide anchoring points for parts molded in plastic, allowing the plastic to flow through the holes. The slab base makes part ideal for narrow surfaces or for tubing and channel applications to prevent part from turning.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	C Hole Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
S06324H2	6-32	9/16	19/64	1/4	.162	.071	.024	3	15
S08324H2	8-32	23/32	7/16	1/4	.209	.098	.031	4	5
S10244H2	10-24	3/4	1/2	9/32	.243	.098	.039	6	5
S10324H2	10-32	3/4	1/2	9/32	.243	.098	.039	6	5
S10324H2.130	10-32	3/4	1/2	9/32	.243	.130	.039	6	5
S14204H2.130	1/4-20	3/4	1/2	1/4	.305	.130	.047	7	5
S14205H2	1/4-20	3/4	1/2	5/16	.305	.098	.047	8	5
S14205H2.130	1/4-20	3/4	1/2	5/16	.305	.130	.047	7	5
S14207H2	1/4-20	3/4	1/2	7/16	.305	.098	.047	8	5
S14207H2.130	1/4-20	3/4	1/2	7/16	.305	.130	.047	7	5
S14209H2	1/4-20	3/4	1/2	9/16	.305	.098	.047	9	4
S14209H2.130	1/4-20	3/4	1/2	9/16	.305	.130	.047	8	4
S142014H2	1/4-20	3/4	1/2	7/8	.305	.098	.047	13	3
S56186TH2	5/16-18	7/8	9/16	3/8	.370	.098	.055	12	2.5
S561810TH2	5/16-18	7/8	9/16	5/8	.370	.098	.055	15	2.5
S38167TH2	3/8-16	1	5/8	7/16	.440	.142	.063	16	2
SM101511TH2	M10 x P1.5	25.4	15.9	11.1	11.5	3.6	1.6	16	2
SQ12137H4 ¹	1/2-13	1.38	1.38	7/16	.591	.165	.091	52	1

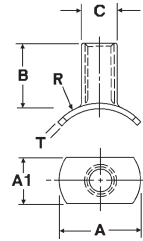
¹ Square Base Weld Nut with 4 holes.

Stafast Products Inc.

WELD NUTS Slab Base

Curved Flange Down

The curved flange enables this part to be used in wood to wood applications or welded more smoothly on round surfaces in metal. Ideal for tubular assemblies. Provides a secure and smooth assembly without rough nuts or lock washers.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	R Radius	T Material Thickness	Lbs./M	Pcs. Ctn. M
S10244CFDR9	10-24	23/32	1/2	9/32	.243	.539	.039	7	5
S14205CFDR9	1/4-20	23/32	1/2	5/16	.305	.547	.047	8	5
S14209CFDFR10	1/4-20	23/32	1/2	9/16	.303	5/8	.047	9	4
S56186TCDFR8	5/16-18	.786	9/16	3/8	.370	1/2	.055	15	2.5

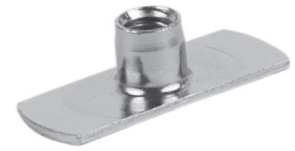
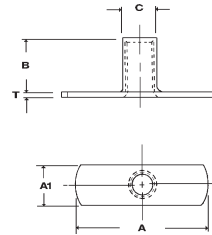
Other thread sizes, barrel heights and custom radius curves are available upon request.

Stafast Products Inc.

WELD NUTS Slab Base

Long Flange

The **Slab Base Long Flange Weld Nut** provides a greater surface area while serving the same function as the regular Slab Base Weld Nut. The rectangular base prevents it from turning when confined in a molded plastic part or tubing.



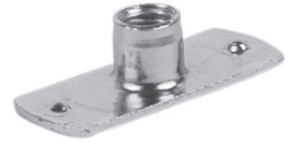
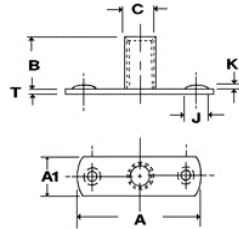
Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
SL10245	10-24	1-1/4	1/2	5/16	.243	.039	10	5
SL10325	10-32	1-1/4	1/2	5/16	.243	.039	10	5
SL14204	1/4-20	1-1/4	1/2	1/4	.305	.047	11	5
SL14205	1/4-20	1-1/4	1/2	5/16	.305	.047	12	4
SL14209	1/4-20	1-1/4	1/2	9/16	.305	.047	13	4
SL142010	1/4-20	1-1/4	1/2	5/8	.295	.047	12	4
SL56186	5/16-18	1-1/4	1/2	3/8	.390	.063	15	3
SL561810	5/16-18	1-1/4	1/2	5/8	.390	.063	17	2.5
SL561814	5/16-18	1-1/4	1/2	7/8	.390	.063	20	2.5
SL38168H	3/8-16	1.25	.625	.5	.500	.091	32	1

Stafast Products Inc.

WELD NUTS Slab Base

Long Flange - 2 or 4 Bosses Barrel Side

Available with bosses on the barrel side for spot welding applications. The long flange moves the position of the welding bosses farther from the barrel and provides a greater surface area.



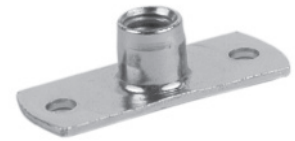
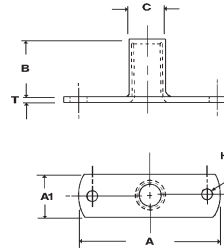
Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	J Boss Diameter	K Boss Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
SL14204B2U	1/4-20	1-1/4	1/2	1/4	.305	11/64	.047	.047	11	5
SL14205B2U	1/4-20	1-1/4	1/2	5/16	.305	11/64	.047	.047	12	4
SL14209B2U	1/4-20	1-1/4	1/2	9/16	.305	11/64	.047	.047	13	4
SL14209B4U	1/4-20	1-1/4	1/2	9/16	.305	.117	.040	.047	13	4
SL56186B2U	5/16-18	1-1/4	1/2	3/8	.390	11/64	.047	.063	15	2.5
SL561810B2U	5/16-18	1-1/4	1/2	5/8	.390	11/64	.047	.063	17	2.5
SL561814B2U	5/16-18	1-1/4	1/2	7/8	.390	11/64	.047	.063	20	2.5

Stafast Products Inc.

WELD NUTS Slab Base

Long Flange - 2 Holes

Allows a nail, drive screw or rivet to hold the part in place for both wood and plastic applications. The holes also provide anchoring points for parts molded in plastic, allowing the plastic to flow through the holes. The long flange moves the position of the holes farther from the barrel and provides a greater surface area.



Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	H Hole Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
SL14204H2	1/4-20	1-1/4	1/2	1/4	.305	.098	.047	11	5
SL14204H2.130	1/4-20	1-1/4	1/2	1/4	.305	.130	.047	11	5
SL14205H2	1/4-20	1-1/4	1/2	5/16	.305	.098	.047	11	5
SL14205H2.130	1/4-20	1-1/4	1/2	5/16	.305	.130	.047	11	5
SL14205H2.170	1/4-20	1-1/4	1/2	5/16	.305	.170	.047	11	5
SL14209H2	1/4-20	1-1/4	1/2	9/16	.305	.098	.047	13	4
SL14209H2.130	1/4-20	1-1/4	1/2	9/16	.305	.130	.047	13	2.5
SL56186H2	5/16-18	1-1/4	1/2	3/8	.390	.098	.063	15	2.5
SL561810H2	5/16-18	1-1/4	1/2	5/8	.390	.098	.063	17	2.5
SL561810H2(.145)	5/16-18	1-1/4	1/2	5/8	.390	.145	.063	17	2.5
SL561814H2	5/16-18	1-1/4	1/2	7/8	.390	.097	.063	20	1.5
SL561814H2.130	5/16-18	1-1/4	1/2	7/8	.390	.130	.063	20	2.5

Stafast Products Inc.

STAINLESS STEEL PARTS

Stafast Products offers T-Nuts, Propell Nuts, and Round and Slab Base Weld Nuts in 304 **Stainless Steel** for marine or corrosion resistant applications. Stainless Steel **T-Nuts** are excellent for fastening metal to wood or plastic, or for anchoring wooden components together. Stainless Steel **Propell Nuts** feature deep barrel skives for high retention in blind and end-grain applications such as glides, levelers or wood turnings. Excellent for hardwood and plastic applications that may split with a regular prong type T-Nut. Stainless Steel Weld Nuts are available with a round or a slab base. **Round Base Weld Nuts** offer an economical approach for metalworking applications. **Slab Base Weld Nuts** are ideal for narrow channel/tube applications.

Straight Barrel T-Nuts

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
83243TF8SS	8-32	1/2	1/4	.220	3/16	.039	7/32	4	5
102443SS	10-24	3/4	9/32	.230	13/64	.038	15/64	7	6
103233SF8SS	10-32	1/2	3/16	.243	1/8	.039	15/64	4	10
103243SS	10-32	3/4	1/4	.230	13/64	.038	15/64	7	6
103243SF8SS	10-32	1/2	.270	.243	.149	.039	1/4	5	6
M508084SS	M5 x P0.8	19.1	7.9	6.2	5.6	1.00	6.4	7	5
M610053S48SS	M6 x P1.0	19.1	4.8	7.5	3.2	1.2	7.9	8	5
M610063S(5.6)SS	M6 x P1.0	19.1	5.6	7.5	3.2	1.2	7.9	8	5
M610063S(6.0)SS	M6 x P1.0	19.1	6.0	7.7	3.2	1.2	7.9	8	5
M610063S(6.4)SS	M6 x P1.0	19.1	6.4	7.5	3.2	1.2	7.9	8	5
142044SS	1/4-20	3/4	1/4	.305	7/32	.047	5/16	8	5
M610073S(6.8)SS	M6 x P1.0	19.1	6.8	7.5	3.2	1.2	7.9	8	5
142054SS	1/4-20	3/4	5/16	.312	13/64	.050	5/16	9	5
142054SSSCL	1/4-20	3/4	5/16	.305	5/32	.047	5/16	9	5
M610083S(8.3)SS	M6 x P1.0	19.1	8.3	7.2	3.2	1.2	7.9	9	5
142074SS	1/4-20	3/4	7/16	.305	1/4	.047	5/16	9	5
561864SS	5/16-18	7/8	3/8	.390	1/4	.059	25/64	14	3
561884SS	5/16-18	7/8	1/2	.390	7/32	.059	3/8	15	2.5
381674SS	3/8-16	1	7/16	.433	9/32	.059	29/64	22	2
381674HSS	3/8-16	1	7/16	.468	21/64	.075	31/64	22	2

Stafast Products Inc.

STAINLESS STEEL PARTS

Hopper Feed T-Nuts

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	D Prong Height	F Distance Between Prongs	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
HF142074CLSS-DBP	1/4-20	3/4	7/16	.305	17/64	.346	.047	5/16	9	5
HF561884SS	5/16-18	7/8	1/2	.390	19/64	.435	.059	3/8	18	2.5

Propell Nuts

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	J Skive Length	S Skive Diameter	T Material Thickness	Drill Size	Lbs./M	Pcs. Ctn. M
PM40706SS	M4xP0.7	23/32	1/4	.213	.110	.240	.039	13/64	7	7
P14205SS	1/4-20	3/4	5/16	.312	9/64	.354	.047	5/16	10	5
P56186SS	5/16-18	7/8	3/8	.390	.210	.453	.059	25/64	15	2.5
P56188SS	5/16-18	7/8	1/2	.308	.153	.470	.059	25/64	17	3
P38167SS	3/8-16	1	7/16	.448	1/4	1/2	.059	29/64	22	2

Stafast Products Inc.

STAINLESS STEEL PARTS

Round Base Weld Nuts

Part Number	Thread Size	A Flange Diameter	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
R10244SS	10-24	3/4	9/32	.243	.038	7	5
R10324SS	10-32	3/4	9/32	.230	.038	7	5
R14205SS	1/4-20	3/4	5/16	.305	.047	10	5
R14207SS	1/4-20	3/4	7/16	.307	.047	9	5
R56186SS	5/16-18	7/8	3/8	.390	.059	14	3
R56188SS	5/16-18	7/8	1/2	.390	.059	16	3
R38167SS	3/8-16	1	7/16	.448	.059	22	1.8
R38167HSS	3/8-16	1	7/16	.468	.075	22	1.8
RM101511SS	M10 x P1.5	25.4	11.1	11.9	1.7	21	2.5

Slab Base Weld Nuts

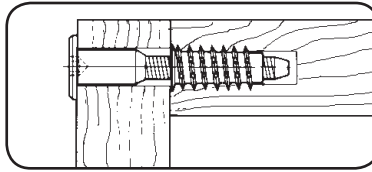
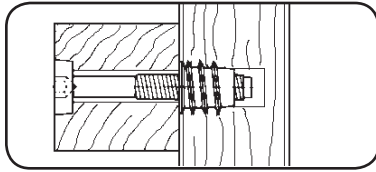
Part Number	Thread Size	A Flange Length	A1 Flange Width	B Barrel Height	C Barrel Diameter	T Material Thickness	Lbs./M	Pcs. Ctn. M
S08323WSS	8-32	.400	.300	.188	.200	.060	4	5
S10244SS	10-24	3/4	1/2	9/32	.243	.038	6	5
S10324SS	10-32	3/4	1/2	9/32	.243	.038	6	5
S14205SS	1/4-20	3/4	1/2	5/16	.309	.047	9	5
S56186SS	5/16-18	7/8	9/16	3/8	.390	.059	12	2.5
S56188SS	5/16-18	7/8	9/16	1/2	.390	.059	14	2.5
SM81308SSFW18	M8 x P1.3	26.0	18.0	8.4	10.0	1.6	12	2.5
S38167SS	3/8-16	1	5/8	7/16	.440	.059	19	2.5
S38167HSS	3/8-16	1	5/8	7/16	.468	.075	19	2.5
SL12245SS	1/2-24	1-1/4	1/2	5/16	.284	.047	12	4

Weld Nuts available with bosses, holes, and custom flange configurations.

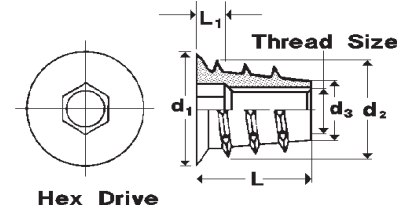
Stafast Products Inc.

INSERT NUT Speed Hex Drive

Type **D** Screw-in



Features positive SPEED HEX DRIVE for quick engagement. The head allows user to control depth and to set the insert straight in the material. The unique tapered external thread design with memory grooves assures positive locking resistance against pull out due to torsion or vibration. High retention values in blind, end, and edge grain applications account for the popularity of this style insert.



Material - High Quality Zinc Alloy Die Cast tested to meet industry torque and tensile standards.

Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
D083210-ZN	8-32	.394	.120	.335	.315	.217	7/32-15/64	4	4	10
DM40710-TD	M4 x P0.7	10.0	.8	8.5	8.0	5.5	5.6-6.0	4	4	10
D083220-ZN	8-32	.787	.140	.335	.315	.217	7/32-15/64	4	6	5
D102410-ZN	10-24	.394	.110	.453	.417	.278	19/64-5/16	5	6	5
D102413-ZN	10-24	.512	.130	.453	.417	.260	19/64-5/16	5	6	5
D102413HD	10-24	.512	.140	.492	.461	.299	11/32-23/64	5	7	5
D102420-ZN	10-24	.787	.150	.453	.425	.276	5/16-11/32	5	10	3
D103210-ZN	10-32	.394	.110	.453	.417	.278	19/64-5/16	5	6	5
DM50810-TD	M5 x P0.8	10.0	2.9	11.5	10.6	7.1	7.5-7.9	5	6	5
D103213-ZN	10-32	.512	.130	.453	.417	.260	19/64-5/16	5	6	5
DM50813-TD	M5 x P0.8	13.0	3.4	11.5	10.6	6.6	7.5-7.9	5	6	5
D103213HD	10-32	.512	.140	.492	.461	.299	11/32-23/64	5	7	4
D103220-ZN	10-32	.787	.150	.453	.425	.276	5/16-11/32	5	10	3
DM50820-TD	M5 x P0.8	20.0	3.8	11.5	10.8	7.0	7.9-8.7	5	10	3
D142010-ZN	1/4-20	.394	.130	.492	.457	.315	11/32-23/64	6	6	5
DM61010-TD	M6 x P1.0	10.0	3.3	12.5	11.6	8.0	8.3-9.1	6	6	5
D142010T-ZN	1/4-20	.394	.157	.480	.457	.315	11/32-23/64	6	6	10
D142013-ZN	1/4-20	.512	.130	.492	.461	.307	11/32-23/64	6	7	4
DM61013-TD	M6xP1.0	13.0	3.4	12.5	11.7	7.8	8.7-9.1	6	7	4
D142013T-ZN	1/4-20	.512	.146	.476	.437	.291	11/32-23/64	6	7	10
D142013HD	1/4-20	.512	.140	.492	.461	.299	11/32-23/64	6	7	4
DHL142013-ZN ¹	1/4-20	.544	.174	.571	.461	.307	11/32-23/64	6	9	4

¹ Oversized head diameter

Stafast Products Inc.

INSERT NUT Speed Hex Drive							Type D Screw-in			
Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
D142014H16S-ZN	1/4-20	.542	.150	.625	.431	.290	11/32-23/64	6	8	3.5
D142016-ZN	1/4-20	.630	.130	.492	.472	.295	11/32-23/64	6	9	3
DM61016-TD	M6xP1.0	16.0	3.6	12.5	11.7	7.6	8.7-9.1			
D142020-ZN	1/4-20	.787	.130	.492	.472	.295	11/32-23/64	6	10	2.5
DM61020-TD	M6 x P1.0	20.0	3.4	12.5	12.0	7.5	8.7-9.1			
D142020T-ZN	1/4-20	.780	.189	.488	.441	.303	11/32-23/64	6	10	2.5
D142020HD	1/4-20	.787	.130	.492	.452	.295	11/32-23/64	6	10	2.5
D142020HD14-ZN	1/4-20	.787	.130	.492	.452	.295	11/32-23/64	1/4	10	2.5
D142020SDT-ZN ²	1/4-20	.780	.189	.488	.450	.303	11/32-23/64	6	10	2.5
D142025-ZN	1/4-20	.984	.160	.492	.469	.315	11/32-3/8	6	14	2
DM61025-TD	M6 x P1.0	25.0	4.0	12.5	11.9	8.0	8.7-9.5			
D142025HD	1/4-20	.984	.160	.492	.469	.315	11/32-23/64	6	14	2
D561813-ZN	5/16-18	.512	.170	.571	.531	.378	25/64-7/16	8	9	3.5
DM81313-TD	M8 x P1.3	13.0	4.4	14.5	13.5	9.6	9.9-11.0			
DHL561813-ZN ¹	5/16-18	.544	.174	.741	.531	.378	25/64-7/16	8	12	3
D561820T-ZN	5/16-18	.787	.216	.571	.545	.382	25/64-7/16	8	14	4
DM81320T-TD	M8 x P1.3	20.0	5.5	14.5	13.8	9.7	9.9-11.0			
D561825-ZN	5/16-18	.984	.180	.571	.543	.374	25/64-7/16	8	18	1.4
DM81325-TD	M8 x P1.3	25.0	4.6	14.5	13.8	9.5	9.9-11.0			
D561825HD	5/16-18	.984	.190	.571	.531	.374	25/64-7/16	8	17	1.4
D381613-ZN	3/8-16	.512	.170	.630	.594	.460	1/2-33/64	10	12	2.5
DM101513-TD	M10 x P1.5	13.0	4.4	16.0	15.1	11.7	12.7-13.1			
D381625-ZN	3/8-16	.984	.180	.625	.594	.460	1/2-33/64	10	23	1
DM101525-TD	M10xP1.5	25.0	4.6	15.9	15.1	11.7	12.7-13.1			

¹ Oversized head diameter

² This part can be installed with a slotted tool or a hex key.

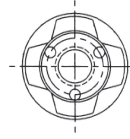
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

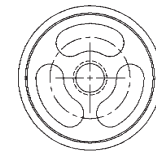
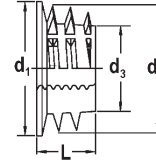
INSERT NUT High Retention Low Profile

Type **D** Screw-in

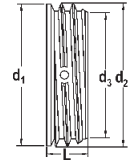
Low profile, high retention threaded inserts provide greater retention than standard inserts. The bolt stop feature that prevents damage to components, coupled with its flange allows users to control insertion depth. The insert is ideal for thinner components used in applications from exposed veneer seating to show wood.



Style A



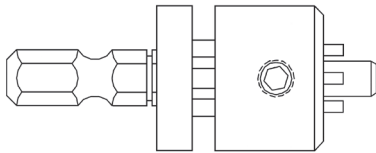
Style B



Part Number	Thread Size	L	d ₁	d ₂	d ₃	Pilot Hole Size	Style	Lbs./M	Pcs. Ctn. M
D102407H3CE-ZN	10-24	.276	.630	.594	.400	1/2-33/64	A	13	5
D103207H3CE-ZN	10-32	.276	.630	.594	.400	1/2-33/64	A	10	5
DM50807H3CE-ZD	M5 x P0.8	7.0	16.0	15.1	10.2	12.7-13.1	A	13	5
D142007H3CE-ZN	1/4-20	.276	.630	.594	.400	1/2-33/64	A	10	5
DM61007H3CE-TD	M6 x P1.0	7.0	16.0	15.1	10.2	12.7-13.1	A	10	5
DO142008-ZN	1/4-20	.295	1.00	1.00	.880	29/32-61/64	B	26	1

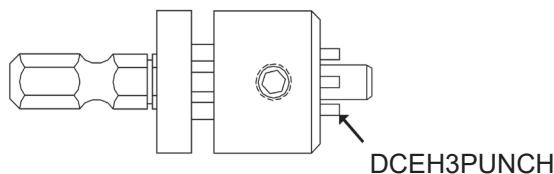
For maximum retention, custom drill bit profiles are recommended.

Installation Drivers (For Style A)



BITDCEH3M510	Driver Bit to install 10-24, 10-32, or M5 inserts above
BITDCEH3M614	Driver Bit to install 1/4-20 or M6 inserts above

Replacement Pins for Driver

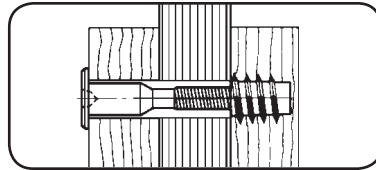
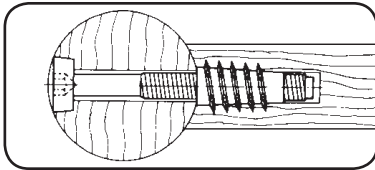


DCEH3PUNCH	Replacement driver pin for BITDCEH3M510 and BITDCEH3M614
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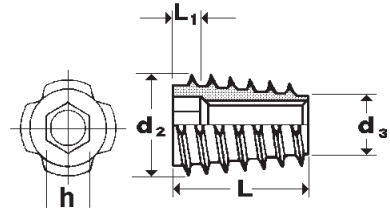
Stafast Products Inc.

INSERT NUT Speed Hex Drive

Type **E** Screw-in



Similar to Type D but without a flange. This design has the many advantages of the Type D style. However, without a shoulder, it can be used to bottom in hole, to be set below surface, on curved surfaces, or to join two components. The Type E has the similar high retention of Type D style but is more economical.



Material - High Quality Zinc Alloy Die Cast.

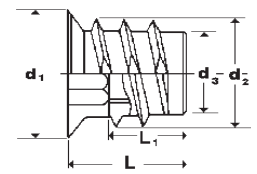
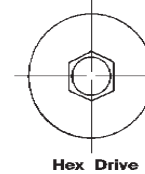
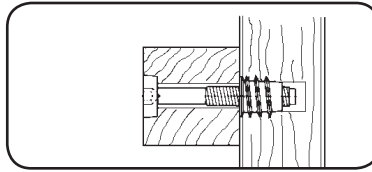
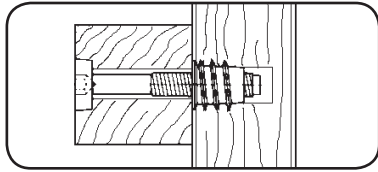
Part Number	Thread Size	L	L ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
E063210-ZN	6-32	.374	.140	.272	.197	3/16-7/32	3	3	15
E083210-ZN	8-32	.394	.130	.287	.217	7/32-15/64	4	3	15
EM40710-ZD	M4 x P0.7	10.0	3.4	7.3	5.5	5.6-6.0			
E102413-ZN	10-24	.512	.130	.429	.264	19/64-5/16	5	6	5
E102413HD	10-24	.512	.120	.480	.299	11/32-23/64	6	8	5
E103213-ZN	10-32	.512	.130	.429	.264	19/64-5/16	5	6	5
E103213HD	10-32	.512	.120	.480	.299	11/32-23/64	6	8	5
E142013-ZN	1/4-20	.512	.130	.453	.295	11/32-23/64	6	7	5
EM61013-ZD	M6 x P1.0	13.0	3.4	11.5	7.5	8.7-9.1			
E142013HD	1/4-20	.512	.120	.480	.299	11/32-23/64	6	7	5
E142013T-ZN	1/4-20	.512	.177	.453	.295	11/32-23/64	6	7	5
E142020-ZN	1/4-20	.789	.140	.463	.301	11/32-23/64	6	10	3
EM61020-ZD	M6 x P1.0	20.0	3.6	11.7	7.7	8.7-9.1			
E561813-ZN	5/16-18	.512	.130	.559	.374	7/16-29/64	8	10	3
EM81313-ZD	M8 x P1.3	13.0	3.4	14.2	9.5	11.1-11.5			
E561820-ZN	5/16-18	.787	.170	.563	.374	7/16-29/64	8	16	2
EM81320-ZD	M8 x P1.3	20.0	4.2	14.3	9.5	11.1-11.5			
E561825-ZN	5/16-18	.984	.170	.563	.413	7/16-29/64	8	22	1.2
E381625-ZN	3/8-16	.984	.197	.597	.452	1/2-33/64	10	23	1

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

INSERT NUT Speed Hex Drive

Type **SIS** Screw-in



Similar to Type SIT but has the head advantages of the D style insert. Straight shank eases centering and driving the insert. Can be used in smaller pilot hole.

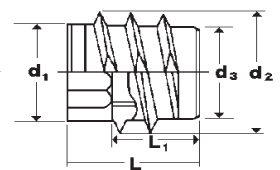
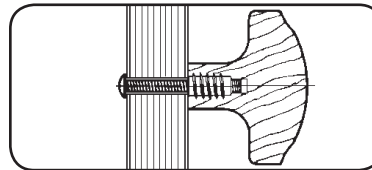
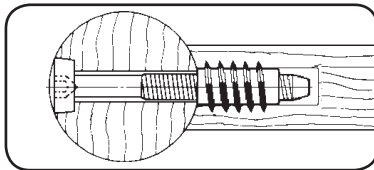
Material - High Quality Zinc Alloy Die Cast.

Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./ M	Pcs. Ctn. M
SIS102413HD	10-24	.500	.380	.488	.421	.291	5/16-11/32	6	7	5
SIS142013-ZN	1/4-20	.500	.380	.488	.421	.291	5/16-11/32	6	6	5
SIS142013HD	1/4-20	.500	.380	.488	.421	.291	5/16-11/32	6	6	5
SIS142025HD ¹	1/4-20	.984	.844	.488	.441	.315	5/16-11/32	6	13	2.5
SISM61025HD-ZD	M6xP1.0	25.0	21.4	12.4	11.2	8.0	7.9-8.7	6	13	2.5
SIS142025-ZN	1/4-20	.984	.844	.488	.430	.315	5/16-11/32	6	13	2

¹ External thread configuration similar to Type D.

INSERT NUT Speed Hex Drive

Type **SIT** Screw-in



Similar to Type E but has a straight shank for ease in centering, starting, and driving the insert. The 1/4-20 inserts require a smaller pilot hole than the D and E style which could be beneficial to edge and end grain applications.

Material - High Quality Zinc Alloy Die Cast.

Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./ M	Pcs. Ctn. M
SIT102413HD	10-24	.500	.374	.319	.425	.291	5/16-21/64	6	7	7.5
SIT142013-ZN	1/4-20	.500	.370	.327	.425	.291	5/16-21/64	6	5	6.5
SIT142013HD	1/4-20	.500	.370	.319	.425	.291	5/16-21/64	6	5	6.5
SIT561825HD ¹	5/16-18	.984	.834	.449	.555	.433	7/16-29/64	8	23	1.7

¹ External thread configuration similar to Type E.

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

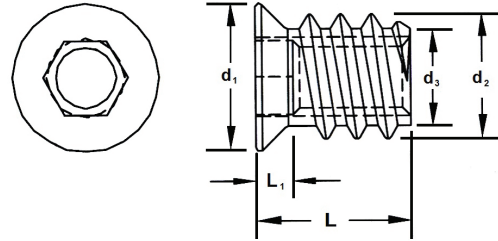
Stafast Products Inc.

INSERT NUT Speed Hex Drive

Type **DC** Screw-in

Similar to Type D but material is steel for increased strength. Works well in dense materials such as hardwood, glass filled plastics, or aluminum extrusions. Steel threads help eliminate cross threading issues. Flange allows user to control depth and set insert straight in the material.

Material- Steel.

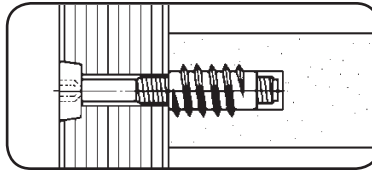
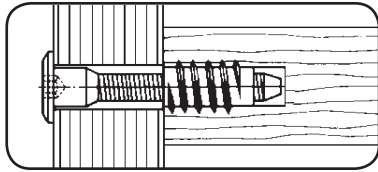


Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./ M	Pcs. Ctn. M
DC142013HD-ZN	1/4-20	.512	.100	.460	.400	.308	5/16-21/64	6	9	5
DCM61013HD-ZN	M6 X P1.0	13.0	2.5	11.7	10.2	7.8	7.9-8.3	6	9	5
DC142020HD-ZN	1/4-20	.787	.100	.460	.400	.306	5/16-21/64	6	14	4
DCM61020HD-ZN	M6 X P1.0	20.0	2.5	11.7	10.2	7.8	7.9-8.3	6	14	4
DC142025HD-ZN	1/4-20	.968	.100	.460	.400	.308	5/16-21/64	6	18	2.5
DCM61025HD-ZN	M6 X P1.0	24.6	2.5	11.7	10.2	7.8	7.9-8.3	6	18	2.5
DC561813HD-ZN	5/16-18	.512	.135	.540	.500	.385	25/64-13/32	8	12	4
DCM81313HD-ZN	M8 x P1.3	13.0	3.4	13.7	12.7	9.8	9.9-10.3	8	12	4
DCM81315HD-ZN	M8 x P1.3	15.0	3.0	13.7	12.4	10.0	10.1-10.5	8	14	4
DC561820HD-ZN	5/16-18	.787	.135	.540	.500	.385	25/64-13/32	8	20	3
DCM81320HD-ZN	M8 x P1.3	20.0	3.4	13.7	12.7	9.8	9.9-10.3	8	20	3
DC561825HD-ZN	5/16-18	.968	.135	.540	.500	.385	25/64-13/32	8	23	2.5
DCM81325HD-ZN	M8 x P1.3	24.6	3.4	13.7	12.7	9.8	9.9-10.3	8	23	2.5

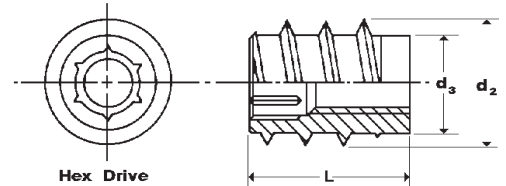
Stafast Products Inc.

INSERT NUT Speed Hex Drive

Type **SK** Screw-in



Similar to SIT but made of high strength steel. Unthreaded lead on outer diameter allows ease in centering. Sharp steel threads reduce the torque and time required to drive the insert in hard material. Excellent torque and tensile strength values.



Material - Steel. Solid Brass and Stainless Steel available upon request.

Part Number	Thread Size	L	d ₂	d ₃	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
SK083210HD	8-32	.394	.315	.260	17/64-9/32	4	5	12
SK102412HD	10-24	.472	.394	.299	5/16-21/64	5	8	5
SK142010HD	1/4-20	.394	.472	.374	3/8-25/64	6	11	5
SK142012HD	1/4-20	.472	.472	.374	3/8-25/64	6	12	4
SK142015HD	1/4-20	.591	.472	.374	3/8-25/64	6	14	3
SK142018HD	1/4-20	.709	.472	.374	3/8-25/64	6	17	3
SK142020HD	1/4-20	.787	.472	.374	3/8-25/64	6	18	2.5
SK142030HD	1/4-20	1.181	.472	.374	3/8-25/64	6	29	1.4
SK561815HD	5/16-18	.591	.552	.453	15/32-1/2	8	18	1.5
SK561818HD	5/16-18	.709	.552	.453	15/32-1/2	8	20	1.4
SK561830HD	5/16-18	1.181	.552	.453	15/32-1/2	8	34	1
SK561830HDD16LT	5/16-18	1.181	.630	.528	17/32-9/16	8	56	.8
SKM81330HDD16	M8 x P1.3	30.0	16.0	13.4	13.5-14.3			
SK381615HD	3/8-16	.591	.728	.618	5/8-21/32	10	35	1
SK381620HD	3/8-16	.787	.728	.614	5/8-21/32	10	46	1
SK381630HD	3/8-16	1.181	.728	.614	5/8-21/32	10	69	.5

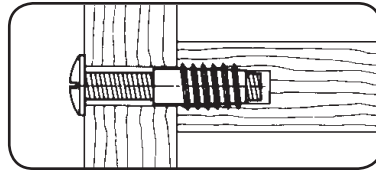
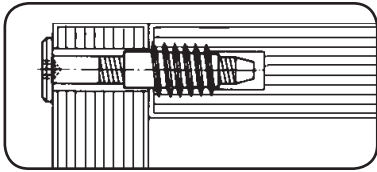
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Available as special order with **Closed End**.

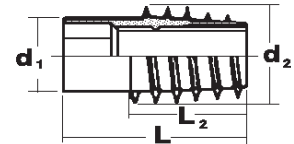
Stafast Products Inc.

INSERT NUT Speed Hex Drive with Pilot Shank

Type **H** Screw-in



Similar to D and E but has a dowel type pilot for quick assembly. The pilot increases shear strength of connection across the joint for heavier construction requirements.



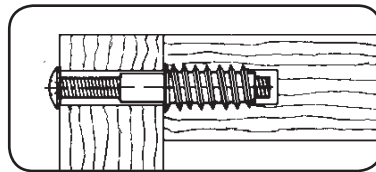
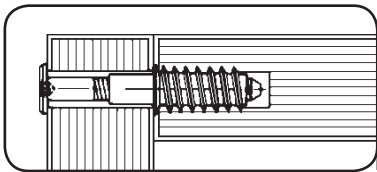
Material - High Quality Zinc Alloy Die Cast.

Part Number	Thread Size	L	L ₂	d ₁	d ₂	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
H142020-ZN	1/4-20	.800	.500	.312	.394	9/32-5/16	6	7	5

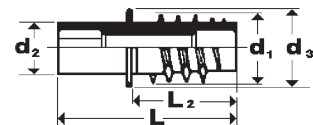
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

INSERT NUT Speed Hex Drive with Pilot Shank

Type **MSK** Screw-in



Similar to H but with a shoulder to allow positive position with maximum shear strength. Pilot shank ideal for hard alignment components.



Material - Steel.

Part Number	Thread Size	L	L ₂	d ₁	d ₂	d ₃	Pilot Hole Size	Hex Drive	Lbs./M	Pcs. Ctn. M
MSK142015HD	1/4-20	1.155	.590	.472	.374	.5	3/8-25/64	1/4	28	1.5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

INSERT HANGER BOLTS

Type **IHB**

Economy insert allows users to join several pieces of material or connect joint with deep insert. Also excellent for pilot connections. Small pilot hole thread diameter ideal design feature.



Material - Steel.

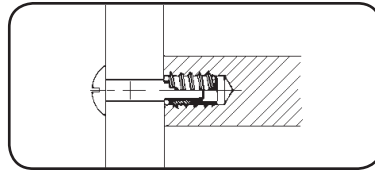
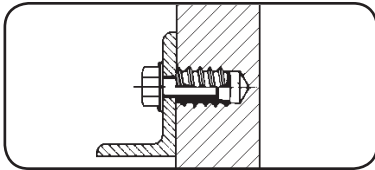
Part Number	Internal Thread Size	Total Length	Lag Thread Length	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
IHB142038-ZN	1/4-20	1-1/2	3/4	17/64-9/32	19	2.5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

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INSERT NUT Slotted Drive

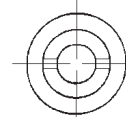
Type **IB** Screw-in



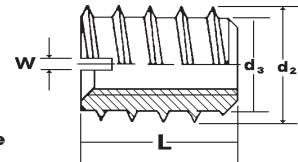
Designed with a continuous inner thread and is also well suited to automatic screwdriving. This steel insert has excellent tensile and torque values. Sharp external threads with small OD to thread size make it easy to drive even in harder materials. Also note IC style on page JC-11.

Material - Steel. Solid Brass and Stainless Steel available upon request.

Top View Head



Slotted Drive



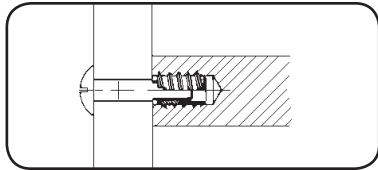
Part Number	Thread Size	L	W	d ₂	d ₃	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
IB063208SD	6-32	.315	.047	.315	.217	1/4	4	10
IB083208SD	8-32	.315	.047	.315	.219	1/4	4	10
IB102410SD	10-24	.394	.063	.394	.297	5/16	8	5
IB102412SD	10-24	.472	.063	.394	.297	5/16	9	5
IB142010SD	1/4-20	.394	.079	.472	.360	25/64	9	5
IB142012SD	1/4-20	.472	.079	.472	.360	25/64	11	5
IB142015SD	1/4-20	.591	.079	.472	.360	25/64	13	3
IBM61018SD	M6 x P1.0	18.0	2.0	12.0	9.1	9.9	14	2.5
IB142020SD	1/4-20	.787	.079	.472	.360	25/64	16	2.5
IB561812SD	5/16-18	.472	.079	.551	.441	15/32	15	3
IB561820SD	5/16-18	.787	.079	.551	.441	15/32	22	2
IB381612SD	3/8-16	.472	.079	.728	.618	5/8	30	2
IB381625SD	3/8-16	.984	.079	.728	.583	19/32	43	.8

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

INSERT NUT Slotted Drive

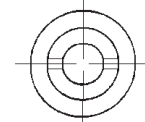
Type **IC** Screw-in



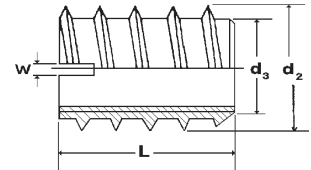
Drill holes for insert and screw passage are of equal diameter so that both can be drilled in one operation. Similar to IB but can be used with smaller pilot hole. More economical than the IB.

Material - Steel And Stainless Steel.

Top View Head



Slotted Drive



Part Number	Thread Size	L	W	d ₂	d ₃	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
IC044009BRSS*	4-40	.340	.060	.217	.166	3/16	2	5
IC063209BRSS*	6-32	.340	.060	.217	.166	3/16	2	5
IC102412SD	10-24	.472	.047	.315	.244	1/4	5	7
IC142012SD	1/4-20	.472	.063	.394	.303	5/16	6	5
IC142017SD	1/4-20	.669	.063	.394	.303	5/16	8	5
IC142020SD	1/4-20	.787	.063	.394	.303	5/16	10	4
IC561812SD	5/16-18	.472	.079	.472	.376	25/64	9	4
IC561818SD	5/16-18	.709	.079	.472	.376	25/64	12	3

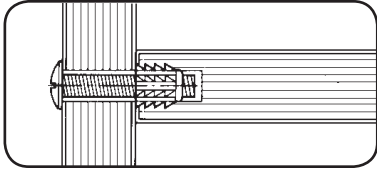
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

* Brass

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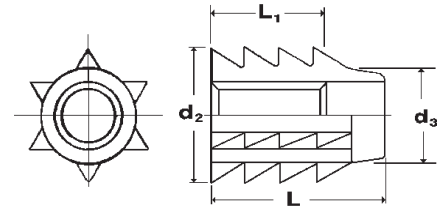
INSERT NUT Barbed Body

Type **A** Knock-in



Designed with coarse external teeth for holding power and easy knock-in installation. Best used like a T-Nut in confined areas. For blind applications, evaluate Screw-in inserts for greater retention without additional cost.

Material - High Quality Zinc Alloy Die Cast.



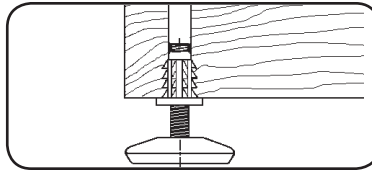
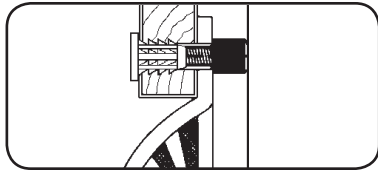
Part Number	Thread Size	L	L ₁	d ₂	d ₃	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
A083208T-ZN	8-32	.315	.228	.315	.236	1/4-9/32	3	20
A083210-ZN	8-32	.394	.205	.307	.236	1/4-9/32	3	9
A102410-ZN	10-24	.394	.224	.385	.295	19/64-5/16	5	6
A102413T-ZN	10-24	.512	.285	.385	.295	19/64-5/16	5	6
A103213T-ZN	10-32	.512	.285	.385	.295	19/64-5/16	6	5
A142010T-ZN	1/4-20	.394	.281	.469	.354	23/64-3/8	6	6
A142013-ZN	1/4-20	.512	.291	.464	.354	23/64-3/8	9	5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

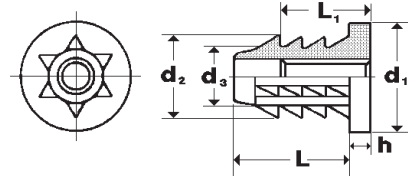
Stafast Products Inc.

INSERT NUT Barbed Body

Type **B** Knock-in



Similar to Type A but has a round flange for extra holding power. Coarse external teeth and flange offer good retention on through hole applications. Type B Inserts are especially good for speaker baffles. They can also be used for levelers (see 2 Hole style on page JC - 14).



Material - High Quality Zinc Alloy Die Cast.

Part Number	Thread Size	L	L ₁ Minimum	d ₁	d ₂	d ₃	h	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
B083208T-ZN	8-32	.315	.217	.409	.307	.236	.059	1/4-17/64	5	10
BM40708T-ZD	M4 x P0.7	8.0	5.7	10.4	7.6	6.0	1.5	6.3-6.7		
B083210T-ZN	8-32	.394	9/32	.413	.307	.236	.059	1/4-17/64	5	8
B083215T-ZN	8-32	.593	.593	.375	.300	.212	.095	7/32-15/64	7	6
B083217-ZN	8-32	.593	.593	.497	.400	.270	.095	9/32-5/16	13	1
B102410T-ZN	10-24	.393	.316	.492	.394	.294	.079	19/64-5/16	8	5
B102417-ZN	10-24	.593	.593	.497	.400	.270	.095	9/32-5/16	12	4
B103210T-ZN	10-32	.393	.316	.492	.394	.294	.079	19/64-5/16	8	5
BM50810T-ZD	M5 x P0.8	9.8	7.8	12.5	10.0	7.4	2.0	7.5-7.9		
B142013-ZN	1/4-20	.512	.393	.571	.464	.354	.098	23/64-3/8	13	3
B561812T-ZN	5/16-18	.450	.374	.741	.484	.365	.079	3/8-25/64	13	2
BM81312T-ZD	M8 x P1.3	11.5	9.2	19.0	12.4	10.0	2.0	9.5-9.9		
B561814T-ZN	5/16-18	.551	.410	.748	.504	.394	.059	13/32-7/16	14	2
BM81314T-ZD	M8 x P1.3	13.6	9.9	18.7	12.2	9.9	1.7	9.9-10.3		
B561815T-ZN	5/16-18	.575	.430	.531	.504	.394	.055	13/32-7/16	9	2.5
B561819T-ZN	5/16-18	.728	.630	.984	.512	.394	.079	13/32-7/16	20	1.2
BM81319T-ZD¹	M8 x P1.3	18.9	16.2	24.9	12.8	10.0	1.6	10.3-11.0		
B561821-ZN¹	5/16-18	.830	.610	.750	.498	.394	.070	13/32-7/16	16	1.5
B561821T-ZN¹	5/16-18	.820	.540	.750	.498	.394	.070	13/32-7/16	16	1.5

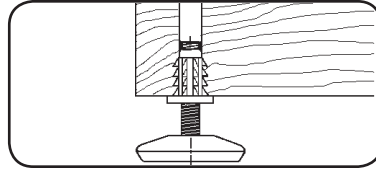
¹ Unthreaded portion is on the flange side.

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

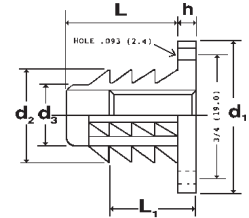
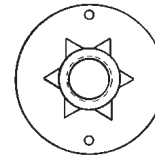
INSERT NUT Barbed Body

Type **B** Two Holes



Similar to Type A but has a circular flange for extra holding power. Coarse external teeth and flange offer good retention on through hole applications. Two holes on flange give part an opportunity to be staked from turning.

Material - High Quality Zinc Alloy Die Cast



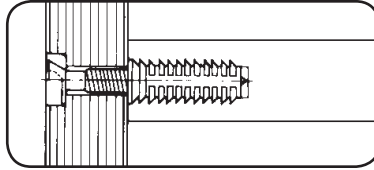
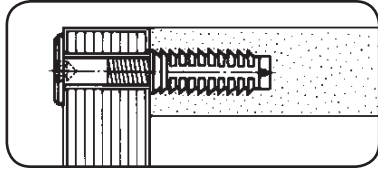
Part Number	Thread Size	L	L ₁	d ₁	d ₂	d ₃	h	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
B561819H2T-ZN	5/16-18	.725	.639	.979	.492	.394	.075	13/32-7/16	26	1

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

INSERT NUT Adhesive Type

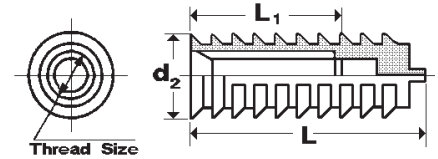
Type **F** Knock-in



Designed for use with soft materials such as end or edge of plywood or particle-board. The insert requires a smaller pilot hole and is anchored in place with an adhesive. The adhesive flows around the part to form a bond. The closed end prevents glue from entering the thread.

Adhesive Note - With Zinc Alloy Die Cast, use Epoxide olefin resin.

Material - High Quality Zinc Alloy.

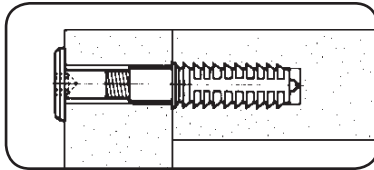
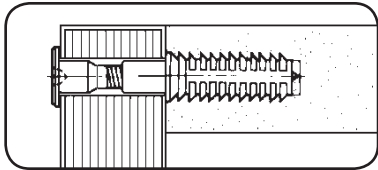


Part Number	Thread Size	L	L ₁	d ₂	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
F142025-ZN	1/4-20	.984	.670	.448	23/64-3/8	19	2

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

INSERT NUT Adhesive Type

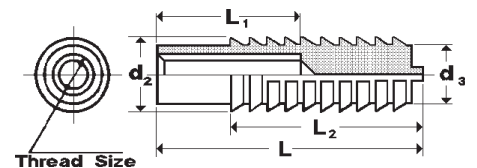
Type **G** Knock-in



Similar to Type F but has a pilot for quick assembly. Pilot adds shear strength to the joint.

Adhesive Note - With Zinc Alloy Die Cast, use Epoxide olefin resin.

Material - High Quality Zinc Alloy Die Cast



Part Number	Thread Size	L	L ₁	L ₂	d ₂	d ₃	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
G142040-ZN*	1/4-20	1.535	.787	1.142	.394	.315	3/8-25/64	22	2

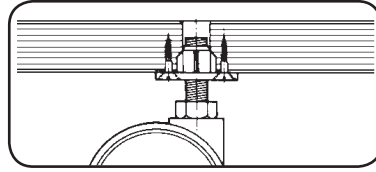
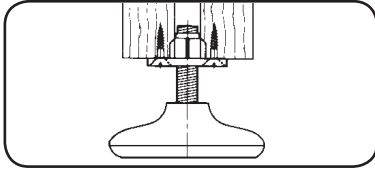
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

*Requires new tooling. Tooling charge may apply.

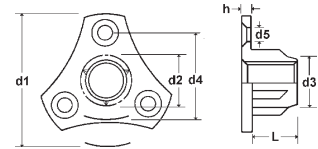
Stafast Products Inc.

INSERT NUT Splined Body

Type **J** Knock-in



Available in popular sizes for threaded glides and levelers. The counter sunk holes in the flange are designed for screws to stake the fastener. The ribbed barrel also restricts fastener from turning when tightened and aids retention. This is popular in soft particleboard or caster applications.



Material - High Quality Zinc Alloy Die Cast.

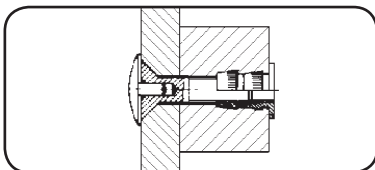
Part Number	Thread Size	L	d ₁	d ₂	d ₃	d ₄	d ₅	h	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
J561810-ZN	5/16-18	.394	1.26	.591	.472	.906	.146	.098	31/64-1/2	26	1.2
J381610-ZN	3/8-16	.394	1.26	.591	.472	.906	.146	.098	31/64-1/2	23	1.2

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

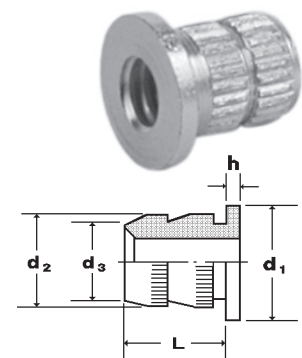
For alternatives see Slab Base, Propell Nut in T-Nut catalog.

INSERT NUT Knock-In

Type **TS** Knock-in



Insert is driven to the shoulder into a pre-drilled hole. The knurled exterior fixes the insert and prevents torsion. Can also be molded or sonic welded in plastic parts. This steel part could be used like B type insert where greater tensile and torque is required.



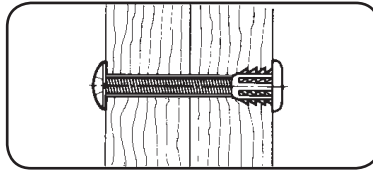
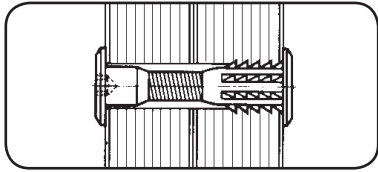
Material - Steel. Solid Brass and Stainless Steel available upon request.

Part Number	Thread Size	L	h	d ₁	d ₂	d ₃	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
TS083207	8-32	.276	.039	.315	.221	.197	13/64-7/32	3	12
TSM50810	M5xP0.8	8.7	1.3	10.0	6.6	5.9	5.9-6.3	4	12.5
TS142007	1/4-20	.244	.059	.473	.339	.307	5/16-21/64	6	5
TS142011	1/4-20	.414	.059	.473	.339	.307	5/16-21/64	8	5
TSM61012	M6xP1.0	10.5	1.5	12.0	8.6	7.8	7.9-8.3	13	4
TS561810	5/16-18	.394	.079	.590	.418	.382	25/64-13/32	13	4
TSM81312	M8xP1.3	10.0	2.0	15.0	10.6	9.7	9.9-10.3	17	2.5
TS381610	3/8-16	.394	.079	.729	.496	.457	15/32-31/64	17	2.5
TS381619S	3/8-16	.750	.079	.729	.496	.457	15/32-31/64	25	1.5

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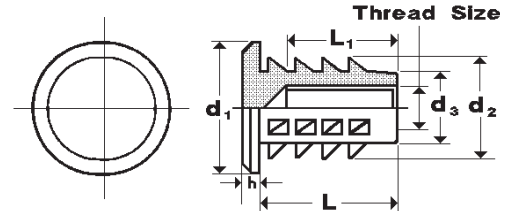
INSERT NUT Decorative Cap

Type | Knock-in



Closed end, low profile head that can be plated, painted or stained for a highly decorative appearance. Ideal for exposed applications. Can be molded into plastic parts like knobs and handles to provide a quality metal insert that will not rust.

Material - High Quality Zinc Alloy Die Cast.
Available in Bronze, Brass, Black Zinc, Zinc plated and painted finishes.



Part Number	Thread Size	L	L ₁ Minimum	d ₁	d ₂	d ₃	h	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
I083210	8-32	.394	.315	.433	.311	.236	.049	1/4-17/64	6	8
I102410KD	10-24	.394	.320	.433	.315	.236	.098	1/4-17-64	6	8
I103210KD	10-32	.394	.320	.433	.315	.236	.098	1/4-17/64	6	8
I142010H-ZN	1/4-20	.410	.520	.669	.425	.331	.210	11/32-23/64	19	2.5
IM61012T	M6 x P1.0	11.5	9.2	17.0	10.8	8.4	2.0	8.7-9.0	13	3
I142016KD	1/4-20	.611	.400	.669	.425	.331	.083	11/32-23/64	15	3
I142018T	1/4-20	.709	.560	.681	.409	.335	.083	11/32-23/64	16	2
IM61018T-ZD	M6 x P1.0	18.0	14.2	17.3	10.4	8.5	2.1	8.7-9.1		
I561816T	5/16-18	.602	.500	.660	.475	.384	.085	13/32-27/64	16	2

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

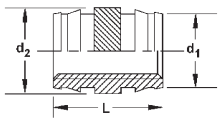
INSERT NUT Ultrasonic

Type **KI** and **MI** Insert

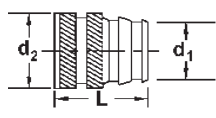
Designed to provide strong metal threads in plastic components. These inserts can be installed in a variety of ways including ultrasonic welding and hot or cold press-in. External configurations are available with various knurl and under cut patterns to suit almost any threaded assembly.



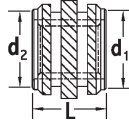
Material - Brass or Aluminum



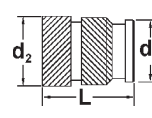
Style A



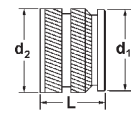
Style B



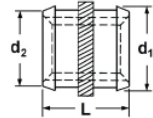
Style C



Style D



Style E



Style F

Part Number	Thread Size	L	d ₁	d ₂	Style	Lbs./M	Pcs. Ctn. M
KI083210-AL	8-32	.370	.250	.291	A	3	20
KI102410BRSS	10-24	.370	.250	.291	A	5	9
KITM4075BRSS	M4 x P0.7	.185	.218	.225	B	3	32
KIT103210BRSS	10-32	.380	.224	.296	B	5	15
KITLM50811BRSS	M5 x P0.8	11.2	6.4	8.3	B	7	7
KIT142013BRSS	1/4-20	.500	.310	.376	B	9	4
MI0440140BRSS	4-40	.140	.154	.187	C	.5	5
KIT083206BRSS	8-32	.250	.210	.248	D	3	32
KITNH103209BRSS	10-32	.370	.249	.280	D	5	9
KITNH142013BRSS	1/4-20	.500	.3134	.338	D	9	5
KIT142008BRSS	1/4-20	.300	.366	.375	E	6	5
KI142009BRSS	1/4-20	.350	.340	.300	F	5	5

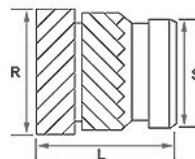
Please request prints for specific dimensions and configurations.

Stafast Products Inc.

INSERT NUT Ultrasonic Brass

Type **PIUA** Insert

Insert for ultrasonic installation. This insert is designed for straight wall holes. Opposite diagonal knurls provide good torque resistance.



Material - Brass

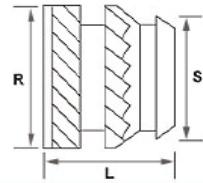
Part Number	Thread Size	L	R	S	Recommended Hole +0.0-0.004	Min Wall Thickness	Lbs./M	Pcs. Ctn. M
PIUA025604BRSS	2-56	.157	.142	.122	.126	.052	.5	5
PIUA044006BRSS	4-40	.226	.181	.154	.157	.063	1	5
PIUA063207BRSS	6-32	.279	.214	.185	.189	.071	3	5
PIUA083208BRSS	8-32	.319	.248	.218	.220	.083	3	5
PIUA102410BRSS	10-24	.373	.278	.249	.252	.102	3	5
PIUA103210BRSS	10-32	.375	.280	.250	.252	.102	4	5
PIUA142013BRSS	1/4-20	.498	.341	.312	.315	.130	7	5
PIUA142813BRSS	1/4-28	.500	.343	.311	.315	.130	8	5
PIUA561813BRSS	5/16-18	.498	.409	.374	.378	.177	8	4
PIUA562413BRSS	5/16-24	.500	.402	.374	.378	.177	10	4
PIUA381613BRSS	3/8-16	.500	.496	.465	.468	.236	12	3
PIUA382413BRSS	3/8-24	.500	.496	.465	.468	.236	15	3
PIUAM20404BRSS	M2 X 0.4	4.0	3.6	3.1	3.2	1.3	1	5
PIUAM2504506BRSS	M2.5 X 0.45	5.7	4.6	3.9	4.0	1.6	2	5
PIUAM30507BRSS	M3 X 0.5	5.7	4.6	3.9	4.0	1.6	2	5
PIUAM40708BRSS	M4 X 0.7	8.1	6.3	5.5	5.6	2.1	3	5
PIUAM50810BRSS	M5 X 0.8	9.5	7.1	6.3	6.4	2.6	4	5
PIUAM61013BRSS	M6 X 1.0	12.7	8.7	7.9	8.0	3.3	7	4.5
PIUAM81313BRSS	M8 X 1.25	12.7	10.4	9.5	9.6	4.5	8	4.5
PIUAM101513BRSS	M10 X 1.5	12.7	12.6	11.8	11.9	6.0	12	4

Stafast Products Inc.

INSERT NUT Ultrasonic Brass

Type **PIUF** Insert

Insert for ultrasonic installation. This insert is designed for tapered holes. This is the short length version. Diagonal knurls provide torsional resistance and lead undercut provides pull out strength.



Material - Brass

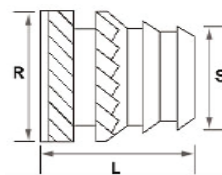
Part Number	Thread Size	L	R	S	Lbs./M	Pcs. Ctn. M
PIUF025603BRSS	2-56	.115	.136	.122	.5	5
PIUF044003BRSS	4-40	.135	.172	.157	1	5
PIUF063204BRSS	6-32	.150	.220	.203	2	5
PIUF083205BRSS	8-32	.185	.250	.230	2	5
PIUF102406BRSS	10-24	.225	.296	.272	3	5
PIUF103206BRSS	10-32	.225	.296	.272	4	5
PIUF142008BRSS	1/4-20	.300	.375	.354	6	5
PIUF142808BRSS	1/4-28	.300	.375	.354	9	5
PIUF561809BRSS	5/16-18	.335	.469	.439	10	3
PIUF562409BRSS	5/16-24	.335	.469	.439	12	3
PIUF381610BRSS	3/8-16	.375	.563	.530	13	2.5
PIUF382410BRSS	3/8-24	.375	.563	.530	16	2.5
PIUFM20403BRSS	M2 X 0.4	2.9	3.5	3.1	.5	5
PIUFM2504503BRSS	M2.5 X 0.45	3.4	4.4	4.0	1	5
PIUFM30504BRSS	M3 X 0.5	3.8	5.6	5.2	2	5
PIUFM40705BRSS	M4 X 0.7	4.7	6.4	5.8	3	5
PIUFM50806BRSS	M5 X 0.8	6.7	8.3	7.8	5	5
PIUFM61008BRSS	M6 X 1.0	7.6	9.5	9.0	7	5
PIUFM81309BRSS	M8 X 1.25	8.5	11.9	11.2	14	3
PIUFM101510BRSS	M10 X 1.5	9.5	14.3	13.5	16	2.5

Stafast Products Inc.

INSERT NUT Ultrasonic Brass

Type **PIUG** Insert

Insert for ultrasonic installation. This insert is designed for tapered holes. This is the longer length version. Diagonal knurls provide torsional resistance and lead undercut provides pull out strength.



Material - Brass

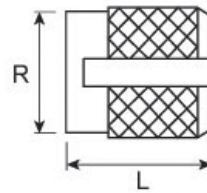
Part Number	Thread Size	L	R	S	Lbs./M	Pcs. Ctn. M
PIUG025605BRSS	2-56	.188	.136	.122	1	5
PIUG044006BRSS	4-40	.217	.172	.148	1	5
PIUG063206BRSS	6-32	.250	.220	.201	2	5
PIUG083208BRSS	8-32	.312	.250	.212	3	5
PIUG102410BRSS	10-24	.374	.297	.252	4	5
PIUG103210BRSS	10-32	.374	.297	.252	4	5
PIUG142013BRSS	1/4-20	.500	.375	.332	9	4.5
PIUG142813BRSS	1/4-28	.500	.375	.332	9	4.5
PIUG561814BRSS	5/16-18	.562	.469	.405	14	2
PIUG562414BRSS	5/16-24	.562	.469	.405	14	2
PIUG381616BRSS	3/8-16	.625	.563	.493	23	2
PIUG382416BRSS	3/8-24	.625	.563	.493	23	2
PIUGM20405BRSS	M2 X 0.4	4.8	3.5	3.1	1	5
PIUGM2504506BRSS	M2.5 X 0.45	5.6	4.4	4.0	1	5
PIUGM30506BRSS	M3 X 0.5	6.4	5.6	5.2	1	5
PIUGM40708BRSS	M4 X 0.7	8.0	6.4	5.4	3	5
PIUGM508110BRSS	M5 X 0.8	11.1	8.3	7.2	7	5
PIUGM61013BRSS	M6 X 1.0	12.7	9.5	8.4	9	4.5
PIUGM81314BRSS	M8 X 1.25	14.3	11.9	10.3	16	2
PIUGM101516BRSS	M10 X 1.5	15.9	14.3	12.5	16	2

Stafast Products Inc.

INSERT NUT Expansion Brass

Type **PIEO** Insert

Insert expands as the screw is installed providing interference to the hole sides. This version has no head. This type of insert is used for low load applications and works well in very dense materials.



Material - Brass

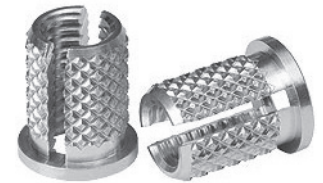
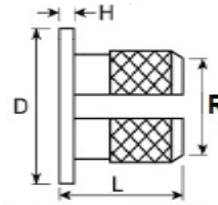
Part Number	Thread Size	L	R	Recommended Hole +0.0-0.004	Min Wall Thickness	Lbs./M	Pcs. Ctn. M
PIEO025604BRSS	2-56	.154	.126	.126	.094	1	5
PIEO044005BRSS	4-40	.154	.157	.157	.126	1	5
PIEO063205BRSS	6-32	.154	.157	.157	.126	3	5
PIEO083208BRSS	8-32	.311	.217	.220	.157	3	5
PIEO102409BRSS	10-24	.370	.250	.252	.189	3	5
PIEO103209BRSS	10-32	.370	.250	.252	.189	4	5
PIEO142013BRSS	1/4-20	.496	.311	.315	.236	7	5
PIEO142813BRSS	1/4-28	.496	.311	.315	.236	8	5
PIEO561813BRSS	5/16-18	.496	.374	.378	.276	9	4
PIEO562413BRSS	5/16-24	.496	.374	.378	.276	10	4
<i>PIEOM20404BRSS</i>	<i>M2 X 0.4</i>	<i>3.9</i>	<i>3.2</i>	<i>3.2</i>	<i>2.4</i>	<i>1</i>	<i>5</i>
<i>PIEOM2504505BRSS</i>	<i>M2.5 X 0.45</i>	<i>3.9</i>	<i>4.0</i>	<i>4.0</i>	<i>3.2</i>	<i>1</i>	<i>5</i>
<i>PIEOM30505BRSS</i>	<i>M3 X 0.5</i>	<i>3.9</i>	<i>4.0</i>	<i>4.0</i>	<i>3.2</i>	<i>1</i>	<i>5</i>
<i>PIEOM40708BRSS</i>	<i>M4 X 0.7</i>	<i>7.9</i>	<i>5.5</i>	<i>5.6</i>	<i>4.0</i>	<i>3</i>	<i>5</i>
<i>PIEOM50809BRSS</i>	<i>M5 X 0.8</i>	<i>9.4</i>	<i>6.4</i>	<i>6.4</i>	<i>4.8</i>	<i>3</i>	<i>5</i>
<i>PIEOM61013BRSS</i>	<i>M6 X 1.0</i>	<i>12.6</i>	<i>7.9</i>	<i>8.0</i>	<i>6.0</i>	<i>9</i>	<i>5</i>
<i>PIEOM81313BRSS</i>	<i>M8 X 1.25</i>	<i>12.6</i>	<i>9.5</i>	<i>9.6</i>	<i>7.0</i>	<i>10</i>	<i>4</i>

Stafast Products Inc.

INSERT NUT Expansion Brass

Type **PIEP** Insert

Insert expands as the screw is installed providing interference to the hole sides. This version has a head. This type of insert is used for low load applications and works well in very dense materials.



Material - Brass

Part Number	Thread Size	L	R	D	H	Recommended Hole +0.0-0.004	Min Wall Thickness	Lbs./M	Pcs. Ctn. M
PIEP025604BRSS	2-56	.154	.126	.189	.017	.126	.094	2	5
PIEP044005BRSS	4-40	.154	.157	.217	.020	.157	.126	2	5
PIEP063205BRSS	6-32	.154	.157	.217	.020	.157	.126	3	5
PIEP083208BRSS	8-32	.311	.217	.280	.032	.220	.157	3	5
PIEP102409BRSS	10-24	.370	.250	.311	.039	.252	.189	4	5
PIEP103209BRSS	10-32	.370	.250	.311	.039	.252	.189	4	5
PIEP142013BRSS	1/4-20	.496	.311	.374	.049	.315	.236	7	3
PIEP142813BRSS	1/4-28	.496	.311	.374	.049	.315	.236	8	3
PIEP561813BRSS	5/16-18	.496	.374	.437	.049	.378	.276	9	2.5
PIEP562413BRSS	5/16-24	.496	.374	.437	.049	.378	.276	10	2.5
PIEPM20404BRSS	M2 X 0.4	3.9	3.2	4.8	0.4	3.2	2.4	2	5
PIEPM2504505BRSS	M2.5 X 0.45	3.9	4.0	5.5	0.5	4.0	3.2	2	5
PIEPM30505BRSS	M3 X 0.5	3.9	4.0	5.5	0.5	4.0	3.2	2	5
PIEPM40708BRSS	M4 X 0.7	7.9	5.5	7.1	0.8	5.6	4.0	4	5
PIEPM50809BRSS	M5 X 0.8	9.4	6.4	7.9	1.0	6.4	4.8	4	5
PIEPM61013BRSS	M6 X 1.0	12.6	7.9	9.5	1.2	8.0	6.0	9	3
PIEPM81313BRSS	M8 X 1.25	12.6	9.5	11.1	1.2	9.6	7.0	10	2.5

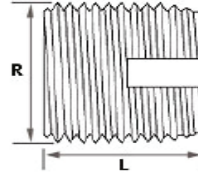
Stafast Products Inc.

INSERT NUT Screw-in Brass

Type **PISR** Insert

Insert screws into plastic after it has been molded. Slotted tip acts as a cutting tip when driving the insert.

Material - Brass



Part Number	Thread Size	L	R	Recommended Hole +0.0-0.004	Min Wall Thickness	Lbs./M	Pcs. Ctn. M
PISR044006BRSS	4-40	.236	.177	.157-.161	.161	1	5
PISR063206BRSS	6-32	.236	.197	.177-.181	.181	1	5
PISR083208BRSS	8-32	.315	.256	.228-.232	.236	3	5
PISR102410BRSS	10-24	.394	.315	.280-.283	.287	4	5
PISR103210BRSS	10-32	.394	.315	.280-.283	.287	5	5
PISR142014BRSS	1/4-20	.551	.394	.339-.346	.354	7	5
PISR142814BRSS	1/4-28	.551	.394	.339-.346	.354	8	5
PISR561815BRSS	5/16-18	.591	.472	.417-.425	.433	9	4
PISR562415BRSS	5/16-24	.591	.472	.417-.425	.433	10	4
PISR381618BRSS	3/8-16	.709	.551	.496-.504	.512	11	3
PISR382418BRSS	3/8-24	.709	.551	.496-.504	.512	12	3

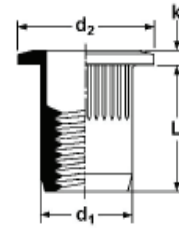
Stafast Products Inc.

RIVET NUTS

FS - Flat Head With Serrations

Rivet nuts increase thread engagement in thin metals for improved metal to metal connections. The knurled body expands 360° to provide exceptional torque and resistance to vibration.

Material - Steel



Part Number	Thread Size	Grip Range	Hole Size	L	d ₁	d ₂	k	Lbs./M	Pcs. Ctn. M
RN0632420FS-ZD	6-32	.020-.080	17/64	.420	.265	.390	.030	5	20
RN0632470FS-ZD	6-32	.080-.130	17/64	.470	.265	.390	.030	5	20
RN0832420FS-ZD	8-32	.020-.080	17/64	.420	.265	.390	.030	5	10
RN0832470FS-ZD	8-32	.080-.130	17/64	.470	.265	.390	.030	6	10
RN0832690FS-TD	8-32	.250-.350	17/64	.690	.265	.390	.030	6	10
RN1024475FS-ZD	10-24	.020-.130	19/64	.475	.296	.415	.030	6	5
RN1024585FS-ZD	10-24	.130-.225	19/64	.585	.296	.415	.030	7	5
RN1032475FS-ZD	10-32	.020-.130	19/64	.475	.296	.415	.030	6	5
RN1032585FS-ZD	10-32	.130-.225	19/64	.585	.296	.415	.030	7	5
RN1420580FS-ZD	1/4-20	.027-.165	25/64	.580	.390	.500	.030	10	3
RN1420680FS-ZD	1/4-20	.165-.260	25/64	.680	.390	.500	.030	11	3
RN1428580FS-ZD	1/4-28	.027-.165	25/64	.580	.390	.500	.030	10	3
RN1428680FS-ZD	1/4-28	.165-.260	25/64	.680	.390	.500	.030	11	3
RN5618690FS-ZD	5/16-18	.027-.150	17/32	.690	.530	.685	.035	22	1.5
RN5618805FS-ZD	5/16-18	.150-.312	17/32	.805	.530	.685	.035	21	1.5
RN5624690FS-ZD	5/16-24	.027-.150	17/32	.690	.530	.685	.035	22	1.5
RN5624805FS-ZD	5/16-24	.150-.312	17/32	.805	.530	.685	.035	21	1.5

Also available in metric sizes.

Metric sizes available upon request.

Some styles and sizes are available in Stainless Steel and Aluminum.

Stafast Products Inc.

RIVET NUTS		Flat Head With Serrations							
Part Number	Thread Size	Grip Range	Hole Size	L	d ₁	d ₂	k	Lbs./M	Pcs. Ctn. M
RN3816690FS-ZD	3/8-16	.027-.150	17/32	.690	.530	.685	.035	19	1.5
RN3816805FS-ZD	3/8-16	.150-.312	17/32	.805	.530	.685	.035	19	1.5
RN3824690FS-ZD	3/8-24	.027-.150	17/32	.690	.530	.685	.035	19	1.5
RN3824805FS-ZD	3/8-24	.150-.312	17/32	.805	.530	.685	.035	19	1.5
RN1213115FS-ZD	1/2-13	.063-.200	11/16	1.150	.685	.865	.047	48	1
RN1213130FS-ZD	1/2-13	.200-.350	11/16	1.300	.685	.865	.047	49	1

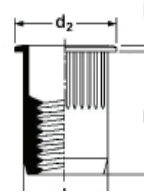
Metric sizes available upon request.

Stafast Products Inc.

RIVET NUTS

CS - Countersunk Head With Serrations

Lower profile and smaller head diameters than type FS - Rivet Nuts.
Rivet nuts help reduce installation costs by eliminating welding.



Material - Steel

Part Number	Thread Size	Grip Range	Hole Size	L	d ₁	d ₂	k	Lbs./M	Pcs. Ctn. M
RN0632420CS-ZD	6-32	.020-.080	17/64	.420	.265	.310	.019	5	20
RN0632470CS-ZD	6-32	.080-.130	17/64	.470	.265	.310	.019	5	20
RN0832420CS-ZD	8-32	.020-.080	17/64	.420	.265	.310	.019	5	10
RN0832470CS-ZD	8-32	.080-.130	17/64	.470	.265	.310	.019	6	10
RN1024475CS-ZD	10-24	.020-.130	19/64	.475	.296	.340	.019	5	5
RN1024585CS-ZD	10-24	.130-.225	19/64	.585	.296	.340	.019	7	5
RN1032475CS-ZD	10-32	.020-.130	19/64	.475	.296	.340	.019	5	5
RN1032585CS-ZD	10-32	.130-.225	19/64	.585	.296	.340	.019	7	5
RN1420580CS-ZD	1/4-20	.027-.165	25/64	.580	.390	.455	.022	10	3
RN1420680CS-ZD	1/4-20	.165-.260	25/64	.680	.390	.455	.022	10	3
RN1428580CS-ZD	1/4-28	.027-.165	25/64	.580	.390	.455	.022	10	3
RN1428680CS-ZD	1/4-28	.165-.260	25/64	.680	.390	.455	.022	10	3
RN5618690CS-ZD	5/16-18	.027-.150	17/32	.690	.530	.595	.022	21	1.5
RN5618805CS-ZD	5/16-18	.150-.312	17/32	.805	.530	.595	.022	21	1.5
RN5624690CS-ZD	5/16-24	.027-.150	17/32	.690	.530	.595	.022	21	1.5
RN5624805CS-ZD	5/16-24	.150-.312	17/32	.805	.530	.595	.022	21	1.5
RN3816690CS-ZD	3/8-16	.027-.150	17/32	.690	.530	.595	.022	18	1.5
RN3816805CS-ZD	3/8-16	.150-.312	17/32	.805	.530	.595	.022	18	1.5

Metric sizes available upon request.

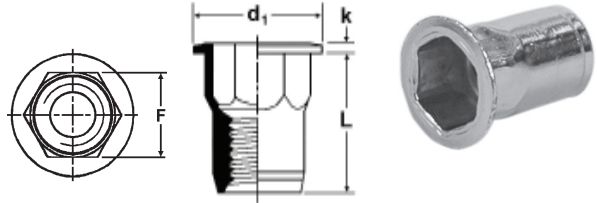
Stafast Products Inc.

RIVET NUTS

H - Hexagon Style Flat Head

Rivet nuts increase thread engagement in thin metals for improved metal to metal connections. The hex base expands to 360° to provide exceptional torque and resistance to vibration.

Material - Steel



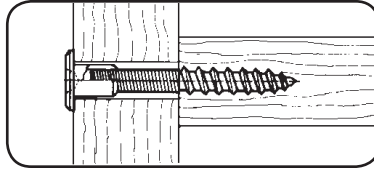
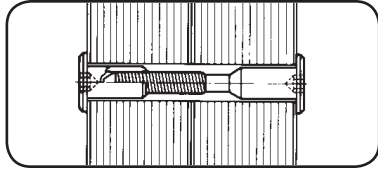
Part Number	Thread Size	Grip Range	Hole Size	L	d ₁	F	k	Lbs./M	Pcs. Ctn. M
RN0632385H-ZD	6-32	.020-.080	.250	.385	.375	.249	.027	5	20
RN0632435H-ZD	6-32	.080-.130	.250	.435	.375	.249	.027	5	20
RN0832385H-ZD	8-32	.020-.080	.250	.385	.375	.249	.027	5	10
RN0832435H-ZD	8-32	.080-.130	.250	.435	.375	.249	.027	6	10
RN1024435H-ZD	10-24	.020-.130	.281	.435	.390	.280	.027	5	5
RN1024535H-ZD	10-24	.130-.225	.281	.535	.390	.280	.027	6	5
RN1032435H-ZD	10-32	.020-.130	.281	.435	.390	.280	.027	4	5
RN1032535H-ZD	10-32	.130-.225	.281	.535	.390	.280	.027	5	5
RN1420585H-ZD	1/4-20	.027-.165	.375	.585	.510	.374	.030	9	3
RN1420685H-ZD	1/4-20	.165-.260	.375	.685	.510	.374	.030	10	3
RN5618685H-ZD	5/16-18	.027-.150	.500	.685	.655	.499	.035	20	2
RN5618845H-ZD	5/16-18	.150-.312	.500	.845	.655	.499	.035	21	2
RN3816685H-ZD	3/8-16	.027-.150	.500	.685	.655	.499	.035	17	1.5
RN3816845H-ZD	3/8-16	.150-.312	.500	.845	.655	.499	.035	18	1.5

Metric sizes available upon request.

Stafast Products Inc.

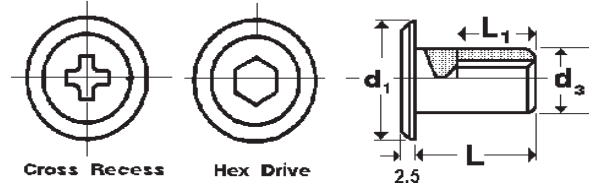
JOINT CONNECTOR NUT Steel Decorative Nut

Type **JCN** Cap Nut



Low profile, high quality, decorative, cold headed, steel cap. Matches finish and dimensions for use with Joint Connector Bolt.

Material -Steel - Available in Bronze, Brass, Black Oxide and Nickel plated finishes.



Part Number	Thread Size	L	L ₁ Minimum	d ₁	d ₃	Hex Drive	Lbs./M	Pcs. Ctn. M
JCN102412SHD4	10-24	.472	.276	.512	.244	M4	9	7
JCN102413SHD4	10-24	.512	.315	.512	.244	M4	10	5
JCN102416SHD4	10-24	.630	.433	.512	.244	M4	10	5
JCN103212SHD4	10-32	.472	.276	.512	.244	M4	10	5
JCN103216SHD4	10-32	.630	.433	.512	.244	M4	10	5
JCN142007HDT14	1/4-20	.283	.279	.659	.350	1/4	12	4
JCN142012HDT ¹	1/4-20	.472	.295	.659	.350	M5	15	3
JCNM61012HDT	M6 x P1.0	12.0	7.5	17.0	8.9	M5	15	3
JCN142017HDT ¹	1/4-20	.669	.490	.659	.350	M5	18	2.4
JCNM61017HDT	M6 x P1.0	17.0	12.4	16.7	8.9	M5	18	2.4
JCN561817HDT	5/16-18	.669	.490	.659	.433	M5	23	2
JCN381627SHD	3/8-16	1-1/16	7/8	.787	.490	M5	45	1

Suffixes for Drive Styles Available:

HDT = Hex Drive with a through hole.

HDT4 = M4 Hex Drive with a through hole to match M4 drive bolts.

SHD = Hex Drive without a through hole.

SHD4 = M4 Hex Drive without a through hole.

CR = Cross Recess Drive

Other Metric Sizes available upon request.

Also available with a crimp lock.

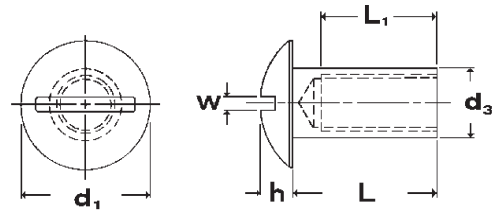
¹ These sizes are also available as a special with a 20mm head. Please allow 12-16 weeks for delivery.

Stafast Products Inc.

JOINT CONNECTOR NUT Die Cast Decorative Nut

Type **JZN, JSN**

Truss head with slotted drive provides low profile attractive head that can be easily assembled by consumer without a need for key or driver in the hardware package. It offers a non-corrosive fastener with quality appearance at a very competitive price.



Material - High Quality Zinc Alloy Die Cast - Available in Bronze, Brass, Black Zinc, and Zinc plated finishes.

Part Number	Thread Size	L	L ₁ Minimum	d ₁	d ₃	h	W	Lbs./M	Pcs. Ctn. M
JZN083216SD	8-32	.625	.480	.500	.240	.126	.059	9	5
JZN102416SD	10-24	.625	.480	.500	.240	.126	.059	8	5
JZN103216SD	10-32	.625	.480	.500	.240	.126	.059	8	5
JZN142016SD	1/4-20	.625	.480	.500	.307	.126	.059	9	5

Material - Steel - Available in Bronze, Brass, Black Zinc, Zinc and Nickel plated finishes.
Stainless Steel available upon request.

JSN083212SDT	8-32	.472	.256	.500	.244	.126	.059	9	5
JSN083216SS*	8-32	.620	.375	.420	.201	.060	-	6	5
JSN102416SDT	10-24	.630	.413	.500	.244	.126	.059	8	5
JSN103216SDT	10-32	.630	.413	.500	.244	.126	.059	8	5
JSN142016SDT	1/4-20	.630	.413	.500	.307	.126	.059	12	3.7
JSN561816SDT	5/16-18	.630	.413	.622	.433	.126	.059	19	2

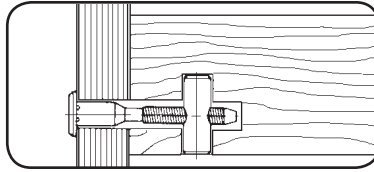
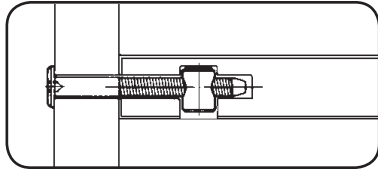
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

* This part is made of stainless steel and does not have a drive.

Stafast Products Inc.

JOINT CONNECTOR NUT Steel Dowel Nut

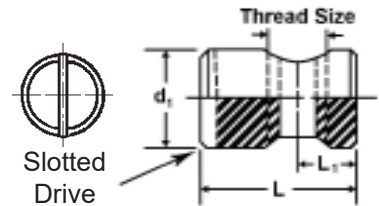
Type **JCD** Cross Dowel



Cross Dowels are made of steel for strength, but very competitive in price. High torque values provide a secure joint at right angle connections with bolts. A slot in outer surface eases alignment with the bolt. Dowel and bolt ideal for connections requiring high strength values.

Material - Steel

Two hole & custom cross dowels available.



Part Number	Thread Size	L	L ₁	d ₁	Lbs./M	Pcs. Ctn. M
JCD10241206	10-24	.500	.250	.393	12	3
JCD14201206	1/4-20	.472	.236	.394	12	4
JCD14201506	1/4-20	.591	.236	.394	17	3
JCD14201606	1/4-20	.630	.236	.394	17	3
JCD14202007	1/4-20	.787	.275	.394	23	2
JCD14202010	1/4-20	.787	.394	.394	23	2
JCDM6102010	M6 x P1.0	20.0	10.0	10.0		
JCD14202513	1/4-20	1.00	.500	.394	29	1.5
JCD14203010	1/4-20	1.181	.394	.394	37	1
JCD14203015	1/4-20	1.181	.591	.394	37	1
JCD56181206	5/16-18	.472	.236	.472	15	3
JCD56181608	5/16-18	.630	.315	.472	22	2
JCD56182010	5/16-18	.787	.394	.472	30	1.5
JCD56182007	5/16-18	.787	.275	.472	30	1.5
JCD56182814	5/16-18	1.125	.562	.622	85	.5
JCD56183015	5/16-18	1.181	.591	.472	50	.8
JCD56185019	5/16-18	1.938	.750	.472	89	.5
JCD56185019D16	5/16-18	1.938	.750	.625	152	.3
JCD38162613	3/8-16	1.00	.500	.625	74	.5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

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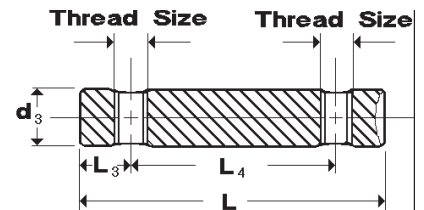
JOINT CONNECTOR NUT Steel Dowel Nut

Type **JCD** with Two Holes



Cross Dowels are made of steel for strength, but very competitive in price. High torque values provide a secure joint at right angle connections with bolts. A slot in the outer surface eases alignment with the bolt. The dowel and bolt are ideal for connections requiring high strength values.

Material - Steel



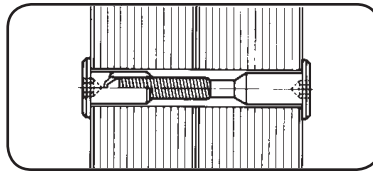
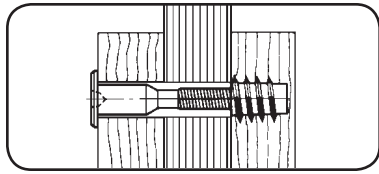
Part Number	Thread Size	L	L ₃	L ₄	d ₃	Lbs./M	Pcs. Ctn. M
JCD1420442410	1/4-20	1-3/4	.375	.583	.394	51	.8
JCD14204532H2	1/4-20	1.75	.250	1.25	.394	51	.8
JCD561843H214	5/16-18	1.69	.500	.707	.472	68	.5
JCD56185032H2	5/16-18	1.96	.355	1.25	.472	82	.5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

JOINT CONNECTOR BOLT Decorative Head with Shoulder

Type **BA** Low Profile Head



Low profile, high quality, decorative head bolt designed to connect components at right angles or parallel. Head diameter matches BB, BW, I and JCN. Shoulder is the same diameter as the JCN to allow through hole connection.

Cross Recess, Cross Slot, Square and Torx Drives also available.

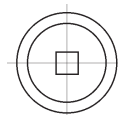
Material - Steel - Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.



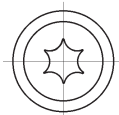
Cross Recess



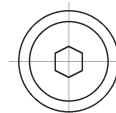
Cross Slot



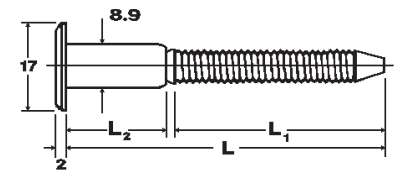
Square



Torx



Hex Drive
5 mm



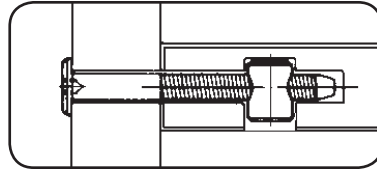
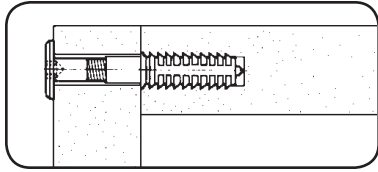
Part Number Hex Drive	Thread Size	L	L ₁ Minimum	L ₂	Lbs./M	Pcs. Ctn. M
BA142018UHD	1/4-20	11/16	Full Thread	.180	16	3
BA142023UHD	1/4-20	29/32	Full Thread	25/64	21	2.4
BA142030UHD	1/4-20	1-3/16	Full Thread	.394	26	2.4
BA142035UHD	1/4-20	1-3/8	Full Thread	25/64	27	2
BA142040UHD	1/4-20	1-37/64	Full Thread	25/64	27	1.8
BA142045UHD	1/4-20	1-49/64	Full Thread	.394	31	1.2
BA142050UHD	1/4-20	1-31/32	Full Thread	.709	38	1.2
BA142060UHD	1/4-20	2-23/64	1-3/8	45/64	41	1
BA142070UHD	1/4-20	2-3/4	1.378	.709	46	.9
BA142080UHD	1/4-20	3-5/32	1.378	.709	51	.8
BA142090UHD	1/4-20	3-35/64	1.378	.709	57	.6
BA1420100UHD	1/4-20	3-15/16	1.378	.709	57	.6

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

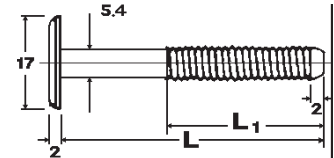
Stafast Products Inc.

JOINT CONNECTOR BOLT Decorative Head

Type **BB** Low Profile Head



Hex Drive



BB is an economical, low profile, high quality, decorative bolt with the same head size as the BA but without the shoulder.

Material - Steel, Brass, or Stainless Steel
Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.

Optional drives available as seen on page JC-33.

Part Number Hex Drive	Thread Size	L	L ₁ Minimum	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
BB142012UHD	1/4-20	.472	Full Thread	4	12	3.5
BB142015UHDFT	1/4-20	.591	Full Thread	4	14	3
BB142016UHDFT	1/4-20	.630	Full Thread	4	14	3
BB142018UHDFT	1/4-20	.708	.630	4	14	3
BB142020UHD ¹	1/4-20	.787	.669	4	15	2.4
BB142023UHD ¹	1/4-20	.906	.512	4	15	2.5
BB142025UHD ¹	1/4-20	.984	.591	4	16	2.5
BB142030UHD	1/4-20	1.181	.787	4	18	2
BB142035UHD ¹	1/4-20	1-3/8	.984	4	20	1.8
BB142040UHD	1/4-20	1-37/64	1.181	4	22	1.6
BB142045UHD	1/4-20	1.772	1.181	4	24	1.5
BB142050UHD ¹	1/4-20	1-31/32	1.181	4	26	1.4
BB142060UHD	1/4-20	2-23/64	1.575	4	30	1.2
BB142070UHD ¹	1/4-20	2.756	1.575	4	34	.9
BB142080UHD	1/4-20	3.150	1.575	4	39	.8
BB142085UHD	1/4-20	3.346	1.575	4	44	.7
BB142090UHD	1/4-20	3-35/64	1.575	4	43	.6
BB1420100UHD	1/4-20	3.937	1.575	4	46	.5

¹ Available Fully Threaded (UHDFT)

Stafast Products Inc.

JOINT CONNECTOR BOLT Decorative Head

Type **BB** Low Profile Head

Part Number Hex Drive	Thread Size	L	L ₁ Minimum	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
BB1420110UHD	1/4-20	4-21/64	1.575	4	51	.5
BB1420120UHD	1/4-20	4.724	1.575	4	55	.5
BB1420135UHD	1/4-20	5-5/16	1.575	4	61	.3
BB1420152UHD	1/4-20	5-63/64	3.0	4	68	.2
BB142812UHDFTFCH	1/4-28	.472	Full Thread	4	12	3
BB561840UHD	5/16-18	1.575	1.181	5	34	1.5
BB561850UHD	5/16-18	1-31/32	1.181	5	42	1.2
BB561860UHD	5/16-18	2.362	1.575	5	47	1
BB561870UHD	5/16-18	2.756	1.575	5	54	.8
BB561880UHD	5/16-18	3.150	1.575	5	60	.6
BB561890UHD	5/16-18	3.543	1.575	5	69	.5
BB5618100UHD	5/16-18	3-15/16	1.575	5	76	.5
BB5618115UHD	5/16-18	4-1/2	1-31/32	5	82	.4

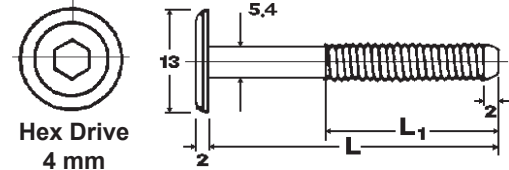
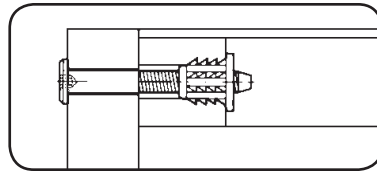
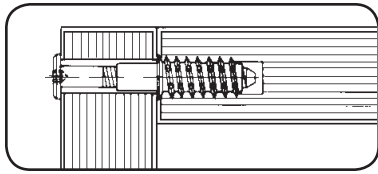
Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

5/16-18 UHD bolts have 7mm shank diameter.

Stafast Products Inc.

JOINT CONNECTOR BOLT Decorative Head with Shoulder

Type **BC** Low Profile Head



Hex Drive
4 mm

Optional drives available as seen on page JC-33.

BC is a low profile, high quality, decorative bolt similar to BB but has a smaller head diameter of .511" (13mm).

Material - Steel, Brass, or Stainless Steel
Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.

Part Number Hex Drive	Thread Size	L	L ₁ Minimum	Lbs./M	Pcs. Ctn. M
BC102425UHDFT	10-24	1.00	.875	11	4
BC103218UHDFT	10-32	.709	.584	14	5
BC103237UHD	10-32	1.456	1-7/64	9	3
BC142008UHDFTF ²	1/4-20	.315	.213	8	8
BC142010UHDFTF ²	1/4-20	.375	.271	8	7
BC142018UHDFT	1/4-20	.708	.630	12	3
BC142020UHD ¹	1/4-20	.787	.394	12	2.6
BC142023UHD ¹	1/4-20	.906	.512	13	2.5
BC142030UHD	1/4-20	1.181	.787	15	2
BCM61030UHD	M6 x P1.0	30.0	20.0		
BC142035UHD	1/4-20	1.378	.984	18	1.8
BC142040UHD	1/4-20	1.578	1.181	20	1.6
BC142045UHD	1/4-20	1.772	1.181	21	1.5
BC142050UHD	1/4-20	1.969	1.181	23	1.4
BC142060UHD	1/4-20	2.359	1.575	27	1.2
BC142065UHD	1/4-20	2-9/16	1.575	31	1.2
BC142070UHD	1/4-20	2.756	1.575	32	1
BC142080UHD	1/4-20	3.150	1.575	36	.9

¹Available Fully Threaded (UHDFT)

² Without tapered lead

Stafast Products Inc.

JOINT CONNECTOR BOLT Decorative Head with Shoulder

Type **BC** Low Profile Head

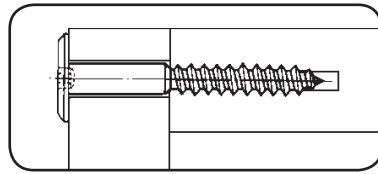
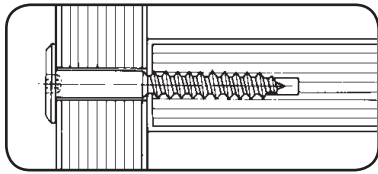
Part Number Hex Drive	Thread Size	L	L ₁ Minimum	Lbs./M	Pcs. Ctn. M
BC142090UHD	1/4-20	3.543	1.575	40	.9
BC1420100UHD	1/4-20	3.937	1.575	45	.6
BC1420110UHD	1/4-20	4.328	1.575	48	.6
BC1420120UHD	1/4-20	4.724	1.575	52	.5

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

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JOINT CONNECTOR SCREW Decorative Head

Type **BW** and **BCW** Wood Screw



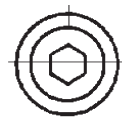
Cross Recess

The BW wood screw's decorative head design is similar to the BB bolt. They are designed to join wood to wood at right angles. Its unique thread design allows the connector to join soft and medium density materials without the need for nut and bolt alignment.

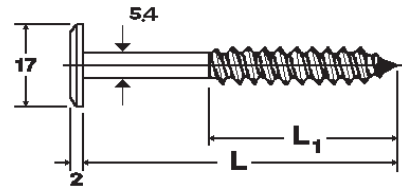
Available with Hex and Cross Recess Drives.
Optional Drives - Pozi Drive, Torx

Thread Type - Lag

Material - Steel or Brass - Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.



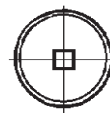
Hex Drive
4 mm



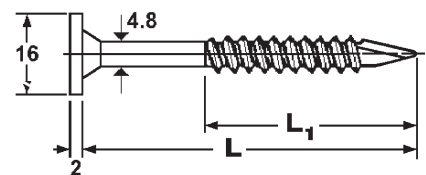
Optional drives available as seen on page JC-33.

Part Number Hex Drive	Screw Diameter	L	L ₁ Minimum	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
BW0730UHD	.276	1.181	.787	3/16-7/32	19	2
BW0740UHD	.275	1.575	1.181	3/16-7/32	23	1.6
BW0750UHD	.275	1.969	1.575	3/16-7/32	28	1.5
BW0750UHDCH ¹	.276	1.969	1.575	3/16-7/32	28	1.5
BW0760UHD	.275	2.362	1.969	3/16-7/32	30	1.3
BW0770UHD	.275	2.756	2.362	3/16-7/32	36	.9
BW0790UHD	.276	3.543	3.150	3/16-7/32	36	.5
BW07100UHDCH ¹	.276	3.938	3.150	3/16-7/32	49	.5

¹ CH = Case Hardened



#3 Square
Drive



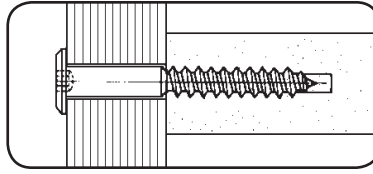
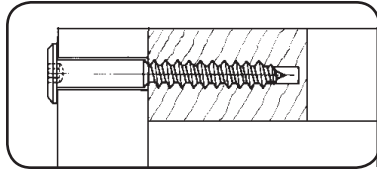
Part Number Hex Drive	Screw Diameter	L	L ₁ Minimum	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
BCW665USDCH	.241	2.56	1.57	Self-boring	25	1.4
BCW690USDCH	.241	3.54	1.97	Self-boring	35	.9
BCW6100USDCH	.241	3.94	1.97	Self-boring	39	.8

Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

JOINT CONNECTOR SCREW Decorative Small Head

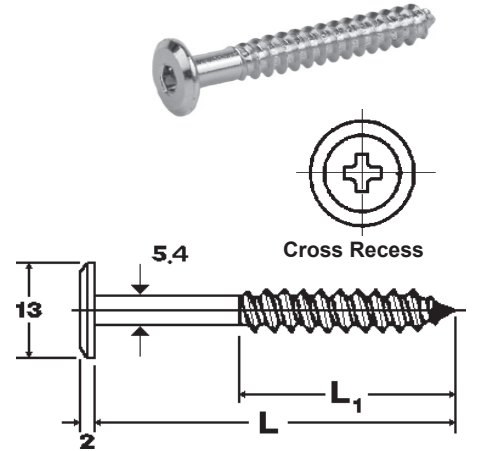
Type **CW** and **CWPS** Wood Screw



Features same low profile decorative head as BW but with smaller .511 (13mm) head. Small clean head design compliments quality RTA products.

Thread Type - Lag

Material - Steel or Brass
Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.



Optional drives available as seen on page JC-33.

Part Number Hex Drive	Screw Diameter	L	L ₁ Minimum	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
CW0730UHD	.275	1.181	.787	3/16-7/32	16	2
CW0730UHDFT	.276	1.181	Full Thread	3/16-7/32	16	2
CW0740UHD	.276	1.575	1.181	3/16-7/32	19	1.6
CW0750UHD	.275	1.969	1.575	3/16-7/32	22	1.5
CW0760UHD	.275	2.362	1.969	3/16-7/32	27	1.2
CW0770UHD	.276	2.756	2.362	3/16-7/32	34	1
CW0780UHD	.276	3.150	2.756	3/16-7/32	37	.8

Please allow 12-16 weeks delivery for specials.

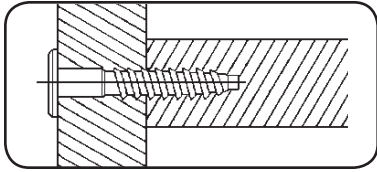
Style **CWPS** is available with screw diameter of .215 (5.5mm).

This style is heat treated for added strength and can be installed in most materials without a pilot hole.

Stafast Products Inc.

JOINT CONNECTOR SCREW Decorative Head - Round Low Profile

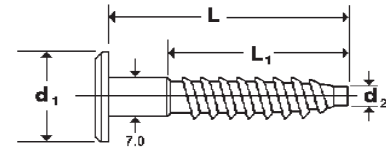
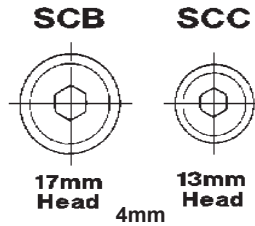
Type **SCB** and **SCC** Combination Screw



Type SCB and SCC screws are designed to join wood at right angles. They feature a positive hex drive and a decorative head to compliment design. Ideal for particleboard.

Thread Type - Buttress

Material -Steel - Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.



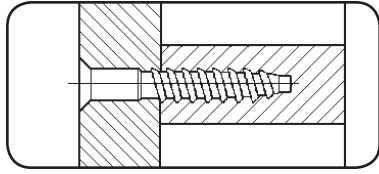
Optional drives available as seen on page JC-33.

Part Number Hex Drive	Screw Diameter	L	L ₁ Minimum	d ₁	d ₂	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
SCB0750HD	.276	1 31/32	1.615	.659	.177	3/16-7/32	28	1.3
SCB0760HD	.276	2.362	2.008	.659	.177	3/16-7/32	31	1.0
SCB0770HD	.276	2.756	2.402	.659	.177	3/16-7/32	35	.8
SCC0740HD	.276	1.575	1.221	.502	.177	3/16-7/32	22	1.6
SCC0750HD	.276	1 31/32	1.615	.502	.177	3/16-7/32	24	1.5
SCC0770HD	.276	2.756	2.402	.502	.177	3/16-7/32	33	1

Stafast Products Inc.

JOINT CONNECTOR SCREW

Type **SCS** Combination Screw

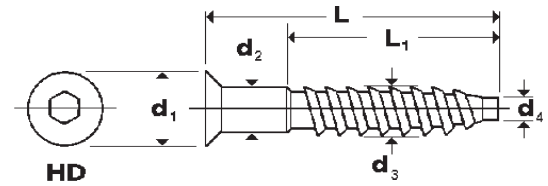


The SCS screw is designed to join wood at right angles. It features a positive hex drive and countersunk head to drive it flush to the material surface. Ideal for particleboard.

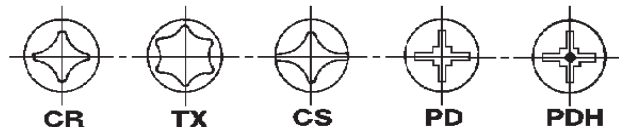
Its unique thread design allows the connector to join even soft and medium density materials with just a pilot hole to reduce alignment considerations. When ordering Pozi Drive suffix should read PD.

Thread Type - Buttress or Lag

Material -Steel - Available in Bronze, Brass, Black Oxide, Nickel and Zinc plated finishes.



Optional Drives



Part Number Hex Drive	L	L ₁ Minimum	d ₁	d ₂	d ₃	d ₄	Pilot Hole Size	Metric Hex Drive	Lbs./M	Pcs. Ctn. M
SCS0540HD	1.653	1.240	.283	.197	.197	.130	1/8-5/32	3	10	4
SCS0550HD	2.047	1.634	.283	.197	.197	.130	1/8-5/32	3	11	4
SCS0570HD	2.834	2.421	.283	.197	.197	.130	1/8-5/32	3	15	1.8
SCS0640PDH	1.653	1.288	.394	.272	.244	.158	5/32-3/16	3	20	2
SCS0650FHD	1.968	1.496	.394	.272	.236	.158	5/32-3/16	4	20	2
SCS0750HD	2.047	1.575	.394	.276	.276	.177	3/16-7/32	4	24	1.5
SCS0770HD	2.834	2.362	.394	.276	.276	.177	3/16-7/32	4	31	1

Other sizes, lengths and metric thread available. Please allow 12-16 weeks delivery for specials.

Stafast Products Inc.

WIRE FORMS

See Hanger Bolts on page JC-43 and Dowel Screws, Bed Pins, Stainless Steel Hanger Bolts and Studs on JC-44.

Standard Diameter Specifications

Nominal Size	#6	#8	#10	1/4	5/16	3/8
MACHINE SCREW THREAD						
Threads / Inch	32	32	24	20	18	16
Min. Dia.	.131	.157	.181	.240	.302	.364
Max. Dia.	.137	.163	.189	.249	.312	.374
UNTHREADED CENTER						
Min. Dia.	.114	.139	.158	.212	.271	.328
Max. Dia.	.117	.143	.162	.217	.276	.334
WOOD SCREW THREAD						
Threads / Inch	18	15	11	10	9	7
Min. Dia.	.135	.165	.197	.252	.320	.392
Max. Dia.	.145	.177	.210	.270	.340	.413
SUGGESTED PILOT HOLE DIAMETER						
Hard Wood	7/64	9/64	11/64	15/64	19/64	23/64
Soft Wood	7/64	9/64	5/32	7/32	9/32	11/32

- * Standard machine thread is Class 2A fit.
- * All threads are roll formed vs. cut; therefore, the unthreaded portion is slightly undersize in comparison to the thread diameter.
- * Industry standard wood threads for hanger bolts and dowel screws are larger in diameter than comparable headed screws.
- * Pilot hole diameters are suggested as a starting point. Optimum pilot hole size is dependent upon wood species, moisture content, retention characteristics required, and the method of insertion.

End Treatments

- * All standard hanger bolts and dowel screws are designed for insertion into a predrilled pilothole for proper retention. Therefore the end of the wood thread is designed as a taper that is all the way to its blunt tip. Other point styles are available on special order.
- * All standard machine threads incorporate a straight cutoff. The first one or two threads are undersize to facilitate starting the nut.
- * Chamfered ends, as shown in the bed pin photo, are roll formed. This process maintains superior diameter consistency. The ends are slightly concave as a result of this process.
- * Cone points and dog points are special end treatments for machine threaded parts. Both are designed to aid in starting a nut when the stud is not easily accessible, ie. The access hole in a stair rail.

Automatic Insertion

The *Drill 'n Drive* family of machines is the state-of-the-art in production hanger bolt insertion technology. **Machine Quality hanger bolts** are specially designed and manufactured for automatic insertion. Contact us for complete information.



Non-Standard Wire Forms

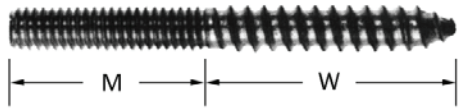
In addition to the variety of standard hanger bolts, dowel screws, studs and pins that we stock, we will also manufacture a variety of products to your specifications. Our capabilities include:

- * Metric Sizes
- * Straight and Diamond Knurls
- * Angular Threads (Fettered)
- * Chamfered, Cone Point, Dog Point
- * Special Overall Lengths, Special Thread Lengths

Materials & Finishes

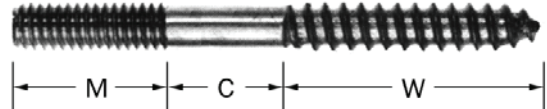
All items (except stainless steel hanger bolts) **are stocked in low carbon steel, plain.** Other materials and finishes available on special order include:

- * Aluminum
- * Brass
- * Stainless Steel
- * Medium Carbon Steel
- * Clear Zinc
- * Zinc and Yellow Dichromate



Fully Threaded Hanger Bolts

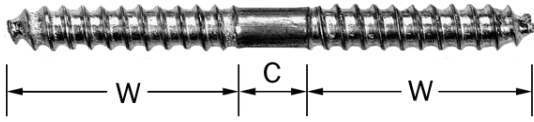
dia - TPI	length	lbs/M	qty/bx	M	W	
6-32	5/8	2	5000	1/4	3/8	
	3/4	2	5000	3/8	3/8	
	1	3	5000	3/8	5/8	
8-32	5/8	3	5000	1/4	3/8	
	3/4	3	5000	3/8	3/8	
	1	4	5000	3/8	5/8	
	1 1/2	7	5000	5/8	7/8	
10-24	2	8	5000	1	1	
	1	6	5000	3/8	5/8	
	1 1/2	8	5000	5/8	7/8	
	1 3/4	9	5000	3/4	1	
	2	11	5000	1	1	
	2 1/2	13	3000	1	1 1/2	
	3	16	2500	1 1/2	1 1/2	
	3 1/2	19	2000	1 1/2	2	
	1/4-20	1	9	5000	3/8	5/8
		1 1/2	14	4500	5/8	7/8
1 3/4		16	4000	3/4	1	
2		19	3000	1	1	
2 1/4		21	2500	1	1 1/4	
2 1/2		24	2000	1	1 1/2	
2 3/4		25	1720	1 1/4	1 1/2	
3		29	1750	1 1/2	1 1/2	
3 1/2		34	1250	1 1/2	2	
4		39	1000	2	2	
5/16-18	4 1/2	44	700	1 1/2	3	
	5	49	600	2	3	
	6	59	500	3	3	
	1 1/2	22	3000	5/8	7/8	
	1 3/4	26	2500	3/4	1	
	2	31	2000	1	1	
	2 1/4	35	1750	1	1 1/4	
	2 1/2	39	1500	1	1 1/2	
	2 3/4	43	1250	1 1/4	1 1/2	
	3	47	1250	1 1/2	1 1/2	
3/8-16	3 1/2	55	1000	1 1/2	2	
	3 3/4	59	800	1 3/4	2	
	4	63	800	2	2	
	4 1/2	71	700	1 1/2	3	
	5	79	500	2	3	
	5 1/2	88	500	2 1/2	3	
	6	96	400	3	3	
	2	45	1500	1	1	
	2 1/2	58	1100	1	1 1/2	
	3	70	900	1 1/2	1 1/2	
3 1/2	82	700	1 1/2	2		
4	94	600	2	2		
4 1/2	108	500	1 1/2	3		
5	118	400	2	3		
5 1/2	130	350	2 1/2	3		
6	142	250	3	3		



Plain Center Hanger Bolts

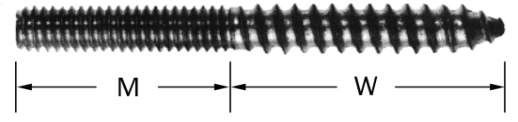
dia-TPI	length	lbs/M	qty/bx	M	C	W
8-32	1 1/2	7	5000	3/8	1/4	7/8
	2	8	5000	5/8	3/8	1
10-24	1 1/2	8	5000	3/8	1/4	7/8
	1 3/4	9	5000	1/2	1/4	1
	2	11	5000	5/8	3/8	1
	2 1/2	13	3000	5/8	3/8	1 1/2
1/4-20	3	16	2500	7/8	5/8	1 1/2
	3 1/2	19	2000	7/8	5/8	2
	1 1/2	14	4500	3/8	1/4	7/8
	1 3/4	16	4000	1/2	1/4	1
	2	19	3000	5/8	3/8	1
	2 1/4	21	2500	5/8	3/8	1 1/4
	2 1/2	24	2000	5/8	3/8	1 1/2
	2 3/4	25	1750	7/8	3/8	1 1/2
	3	29	1750	7/8	5/8	1 1/2
	3 1/2	34	1250	7/8	5/8	2
5/16-18	4	39	1000	1 1/8	7/8	2
	4 1/2	44	700	1 1/8	3/8	3
	5	49	600	1 1/8	7/8	3
	6	59	500	1 1/4	1 3/4	3
	1 1/2	22	3000	3/8	1/4	7/8
	1 3/4	26	2500	1/2	1/4	1
	2	31	2000	5/8	3/8	1
	2 1/4	35	1750	5/8	3/8	1 1/4
	2 1/2	39	1500	5/8	3/8	1 1/2
	2 3/4	43	1250	7/8	3/8	1 1/2
3/8-16	3	47	1250	7/8	5/8	1 1/2
	3 1/2	55	1000	7/8	5/8	2
	3 3/4	59	800	1 1/8	5/8	2
	4	63	800	1 1/8	7/8	2
	4 1/2	71	700	1 1/8	3/8	3
	5	79	500	1 1/8	7/8	3
	5 1/2	88	500	1 1/8	1 3/8	3
	6	96	400	1 1/4	1 3/4	3
	2	45	1500	5/8	3/8	1
	2 1/2	58	1100	5/8	3/8	1 1/2
3	70	900	7/8	5/8	1 1/2	
3 1/2	82	700	7/8	5/8	2	
4	94	600	1 1/8	7/8	2	
4 1/2	108	500	1 1/8	3/8	3	
5	118	400	1 1/8	7/8	3	
5 1/2	130	350	1 1/8	1 3/8	3	
6	142	250	1 1/4	1 3/4	3	
8	190	200	2 1/2	2 1/2	3	
10	238	200	2 1/2	4 1/2	3	
12	286	200	2 1/2	6 1/2	3	
14	334	100	2 1/2	8 1/2	3	

The shaded area indicates the style most commonly used in each length. Unless otherwise specified, the style in the shaded area will be shipped.



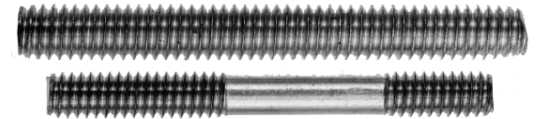
Dowel Screws

dia - TPI	length	lbs/M	qty/bx	W	C
3/16-11	1 1/2	8	5000	3/4	-
	1 3/4	9	5000	3/4	1/4
	2	10	5000	7/8	1/4
	2 1/2	13	3000	1 1/8	1/4
	3	16	2500	1 3/8	1/4
1/4-10	1 1/2	13	4500	3/4	-
	1 3/4	16	3000	3/4	1/4
	2	18	3000	7/8	1/4
	2 1/2	23	2000	1 1/8	1/4
	3	28	1500	1 3/8	1/4
5/16-9	3 1/2	33	1250	1 5/8	1/4
	1 1/2	21	3000	3/4	-
	1 3/4	25	2500	3/4	1/4
	2	30	2000	7/8	1/4
	2 1/2	37	1500	1 1/8	1/4
	3	46	1250	1 3/8	1/4
	3 1/2	54	1000	1 5/8	1/4
	4	62	800	1 5/8	3/4
	4 1/2	70	650	2 1/4	-
	5	78	500	2 1/4	1/2
3/8-7	6	94	350	2 1/4	1 1/2
	2 1/2	56	1100	1 1/8	1/4
	3	68	900	1 3/8	1/4
	3 1/2	83	700	1 5/8	1/4
	4	92	500	1 5/8	3/4
	4 1/2	104	400	2 1/4	-
	5	116	400	2 1/4	1/2
5 1/2	128	300	2 1/4	1	
6	140	250	2 1/4	1 1/2	



Stainless Steel Hanger Bolts

dia-TPI	length	lbs/M	qty/bx	M	W
1/4-20	2	19	100	1	1
	2 1/2	24	100	1	1 1/2
	3	29	100	1 1/2	1 1/2
	3 1/2	34	100	1 1/2	2
5/16-18	4	39	100	2	2
	2	31	100	1	1
	2 1/2	39	100	1	1 1/2
	3	47	100	1 1/2	1 1/2
3/8-16	3 1/2	55	100	1 1/2	2
	4	63	100	2	2
	3	70	100	1 1/2	1 1/2
	3 1/2	82	100	1 1/2	2
4	94	100	2	2	



Fully Threaded Studs

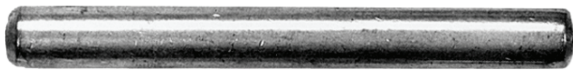
diameter-threads per inch	minimum overall length	maximum continuous thread	maximum double end length
6-32	1/2	3	6
8-32	1/2	4	8
10-24	1/2	4	10
10-32	1/2	4	10
1/4-20	5/8	4	30
5/16-18	5/8	4	30
3/8-16	3/4	4	30

Metric

diameter x thread pitch	minimum overall length	maximum continuous thread	maximum double end length
M4 x 0.7	13 mm	75 mm	200 mm
M5 x 0.8	13 mm	100 mm	200 mm
M6 x 1.0	16 mm	100 mm	750 mm
M8 x 1.0	16 mm	100 mm	750 mm
M8 x 1.25	16 mm	100 mm	750 mm

Length Tolerances: up to 6" ± .030"
over 6" ± .060"

The tables above indicate our basic production capabilities. Please feel free to call if your requirement does not fall within these parameters. We are constantly upgrading and expanding our production facilities to meet our customers' needs.



Bed Pins

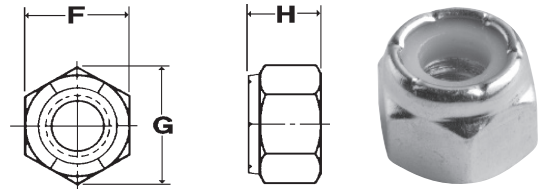
dia	length	lbs/M	qty/bx
19/64	5/8	12	5000
	3/4	14	4500
	7/8	17	4000
	1	19	3500
	1 1/16	20	3000
	1 1/8	21	3000
	1 1/4	24	2500
	1 1/2	29	2000
	2	38	1250
	2 1/4	43	1250
	2 1/2	48	1000
	2 3/4	52	900
	3	59	800

Stafast Products Inc.

HEX NUT Nylon Lock Nut

Type **NYN** and **FNYN**

NYN nuts are excellent value prevailing torque lock nuts consisting of a metal nut body with a nylon locking collar built into the top of the nut. Its nylon compression brings the nut and bolt thread flanks into firm metal-to-metal contact. It provides constant, uniform locking grip at any position on a bolt when the collar is in full engagement. NYN nuts are reusable due to the "Elastic Memory" of the nylon.

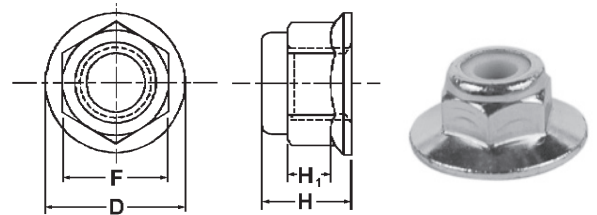


Material - Steel - Available in Zinc and Black Oxide

Part Number	Thread Size	F	G	H	Lbs./M	Pcs. Ctn. M
NYN1024-ZN	10-24	.370	.425	.244	6	5
NYN1420-ZN	1/4-20	.433	.497	.305	9	3.5
NYN1420LP-BO	1/4-20	.433	.497	.203	5	5
NYN1428LP	1/4-28	.434	.482	.200	9	3.5
NYNM710	M7 x P1.0	.423	.484	.287	7	6
NYNM710LP	M7 x P1.0	.423	.484	.248	7	6
NYN5618-ZN	5/16-18	.495	.565	.345	12	3
NYN5624LP	5/16-24	.497	.552	.245	12	3.5
NYN3816-ZN	3/8-16	.557	.636	.460	19	3.5
NYN3816LP	3/8-16	.557	.642	.264	19	5

Low profile stock also available.

The Nylon insert of the FNYN provides the advantages of a prevailing torque lock nut. The added flange distributes torque load and increases surface area to accommodate oversized holes.



Material - Steel - Available in Zinc and Black Oxide

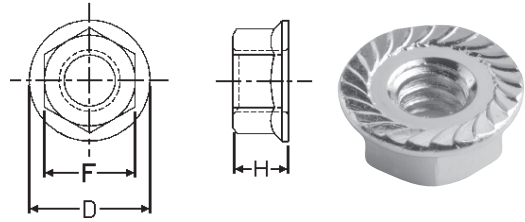
Part Number	Thread Size	D	F	H	H ₁ Minimum	Lbs./M	Pcs. Ctn. M
FNYN1024	10-24	.490	.370	.288	.130	7	5
FNYN1420	1/4-20	.547	.433	.303	.140	10	3.5
FNYN1420SD12	1/4-20	.750	.433	.340	.150	16	2.8
FNYN5618	5/16-18	.670	.495	.429	.170	14	3
FNYN3816	3/8-16	.739	.557	.429	.230	20	2.5

Stafast Products Inc.

HEX NUT Serrated Flange Nut

Type **SFN**

SFN nuts are a one-piece, all metal, free-spinning lock nut. Cold formed teeth on the base of the nut eliminate the need for lock washers. The flange base distributes the load over a larger area and is ideal for oversized holes. It withstands severe vibration and shock loads. SFN nuts are reusable without loss of locking power. Torque required to loosen the nut is approximately 25% less than the application torque.



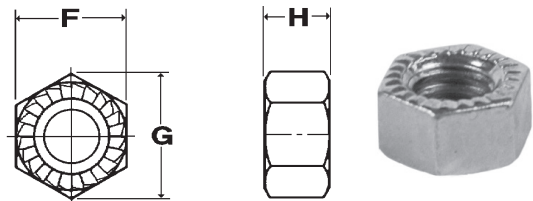
Material - Steel - Available in Zinc and Black Oxide.
Can be casehardened for added strength.

Part Number	Thread Size	D	F	H	Lbs./M	Pcs. Ctn. M
SFN1024-ZN	10-24	.490	.370	.211	7	9
SFNM508	M5 x P0.8	11.8	7.89	4.85		
SFN1024F19-ZN	10-24	.750	.375	.218	12	3
SFN1420	1/4-20	.584	.433	.229	10	5
SFNM610-ZN	M6 x P1.0	14.2	9.89	5.85		
SFN5618-ZN	5/16-18	.670	.495	.275	14	4
SFNM813	M8 x P1.3	17.9	12.87	7.80		
SFN3816-ZN	3/8-16	.740	.557	.339	20	3
SFNM1015	M10 x P1.5	21.8	14.87	9.80		

HEX NUT Double Serrated Lock Nut

Type **HMN**

This double serrated lock nut is similar to a basic machine hex nut with the locking capabilities of the SFN Serrated Flange Nut. The HMN has double serrations that speed up production and reduce costs because either side of the nut can be used in assembly.



Material - Steel - Available in Black Oxide and Zinc.

Part Number	Thread Size	F	G	H	Lbs./M	Pcs. Ctn. M
HMN1420DS	1/4-20	.433	.497	.220	8	5

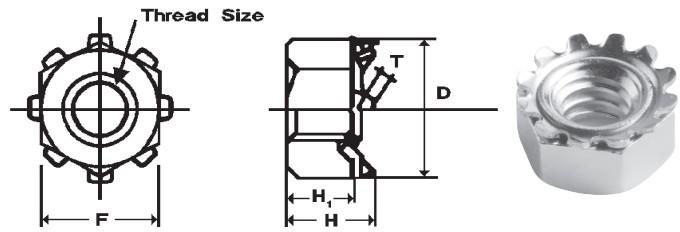
Stafast Products Inc.

HEX NUT Toothed-Flange Lock Nut

Type **KLN**

The Toothed-Flange Lock Nut provides high tensile and torque qualities to increase vibration and loosening resistance. The locking teeth are pitched in a manner to restrict turning in the material and flex against the nut under load to increase axial force.

Material - Steel - Standard finish Zinc. Also available in Black Oxide.



Part Number	Thread Size	F	H	H ₁	D	T	Lbs./M	Pcs. Ctn. M
KLN04404-ZN	4-40	.245	.106	3/32	.280	.016	8	50
KLN05404-ZN	5-40	.245	.106	3/32	.280	.016	3	20
KLN06325-ZN	6-32	.307	.142	7/64	.353	.016	8	15
KLN08325-ZN	8-32	.339	.161	1/8	.389	.020	4	15
KLN10246-ZN	10-24	.370	.161	1/8	.425	.020	4	10
KLN10326-ZN	10-32	.370	.161	1/8	.425	.020	4	10
KLN14207-ZN	1/4-20	.433	.236	.188	.497	.024	8	5
KLN56188-ZN	5/16-18	.485	.323	.266	.569	.031	12	3
KLN38169-ZN	3/8-16	.557	.390	.328	.642	.035	18	2

Other thread sizes available upon request. Please allow 12-16 weeks delivery for specials.

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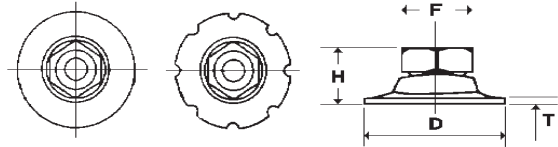
HEX NUT Prevailing Torque Belleville Washer Nut

Type **BWN**

BWN nuts have a large flange which distributes torque load and restricts compression of the material. The flange under load has a self-locking feature. The free spinning nut allows high load torques.



Material - Steel - Available in Zinc or Black Oxide plated finishes.



Part Number	Thread Size	F	H	D	T	Lbs./M	Pcs. Ctn. M
BWN102406F14	10-24	.370	.234	.875	.023	8	6
BWN142007F10	1/4-20	.433	.328	.625	.023	12	4
BWN142007F10H ²	1/4-20	.433	.260	.625	.043	11	4
BWN142007F14	1/4-20	.433	.328	.875	.023	12	4
BWN142007F14S ¹	1/4-20	.433	21/64	7/8	.023	12	8
BWN142007F14H ²	1/4-20	.433	.328	.875	.031	13	3.5
BWN142007F16	1/4-20	.433	21/64	1	.023	12	4
BWN142007F20	1/4-20	.433	.328	1.25	.023	16	2.2
BWN561808F14	5/16-18	.495	.391	.875	.032	16	3
BWN561808F16	5/16-18	.495	.391	.984	.032	19	2.5

¹ Serrated flange with teeth that will restrict washer from turning.

² Flange with thicker material for users requiring higher load torque.

Stafast Products Inc.

WING NUTS Stamped Steel

Type **SWN**

Part Number	Thread Size	Wing Span	Wing Height	Base Diameter	Lbs./M	Pcs. Ctn. M
SWN0632	6-32	3/4	11/32	25/64	4	25
SWN0832	8-32	3/4	5/16	25/64	6	25
SWN0832HT*	8-32	3/4	13/32	25/64	6	10
SWN1024	10-24	7/8	7/16	7/16	5	20
SWN1032	10-32	7/8	7/16	1/2	5	20
SWN1420-ZN	1/4-20	1.05	.46	.582	9	10
SWNM610	M6 x P1.0	1.08	.47	.59	9	5
SWN5618HT3* ¹	5/16-18	1-1/4	1/2	43/64	16	2.5
SWN3816	3/8-16	1.38	.64	.80	17	2.2



Standard Thread



High Thread
HT*

¹ Available With Locking Feature

WING NUTS Zinc Alloy Die Cast

Type **CWN**

Part Number	Thread Size	Wing Span	Wing Height	Washer Diameter	Lbs./M	Pcs. Ctn. M
CWN142016WB	1/4-20	1	1/2	3/4	10	5



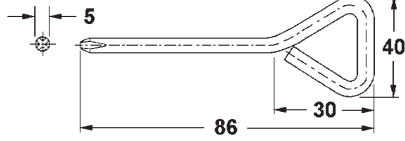
Washer Base
Wing Nut

Stafast Products Inc.

FURNITURE FITTINGS Tools

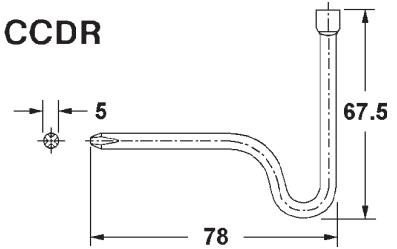
Screw Drivers

CDR-HT*

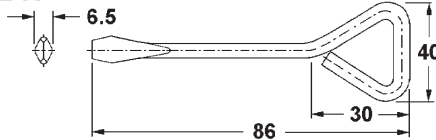


Dimensions Illustrated (mm)

CCDR



MDR



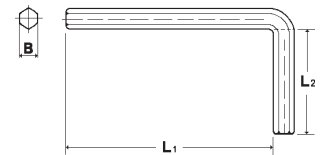
These compact screwdrivers for fastening are economical. MDR and CDR are suitable for Joint Connector Bolts and Cross Dowels. CCDR is useful for slotted and phillips head, particularly suited for Cam-Fix.

Material - Alloy Steel Finish - Zinc Plating Chromate Treatment
* Heat Treated

FURNITURE FITTINGS

Hex Keys

Part Number	B		L ₁		L ₂		Lbs./M
	mm	Inch	mm	Inch	mm	Inch	
HKS-M3	3	.118	60	2.362	20	.787	11
HKS-M4	4	.158	65	2.559	20	.787	23
HKS-M5	5	.197	65	2.559	25	.984	34
HK-M6	6	.236	85	3.347	30	1.181	65
HK-M8	8	.315	95	3.740	30	1.181	121

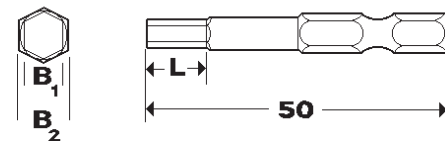


Material - Hardened Alloy Steel

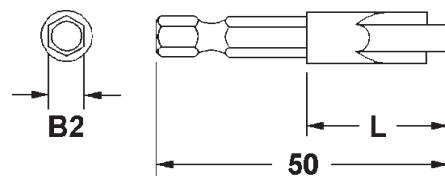
FURNITURE FITTINGS

Hex Drive Bits

Part Number	L		B ₁		B ₂	
	mm	Inch	mm	Inch	mm	Inch
Bits-M3*	6.3	.250	3	.118	6.3	.250
Bits-M4	11.6	.456	4	.157	6.3	.250
Bits-M5	11.6	.460	5	.197	6.3	.250
Bits-M6	13.8	.544	6	.236	6.3	.250
Bits-M8	22.9	.900	8	.315	6.3	.250
Bits-M10	12.2	.482	10	.315	6.3	.250
Bits-IB1420R**	23.2	.912	N/A	N/A	6.3	.250



Dimensions Illustrated (mm)



Bits-IB

Material - Hardened Steel with Black Oxide Finish.

*Also available #3 Cross Recess (Bits-CR3)

Quick attachment of hex drive bolts and inserts. Designed for hand and automation tooling.

Bits-M6-BD available with a ball detent to allow inserts to be held on bit until driven flush.

**These drive Stafast's Type IB 1/4-20 Insert Nuts.

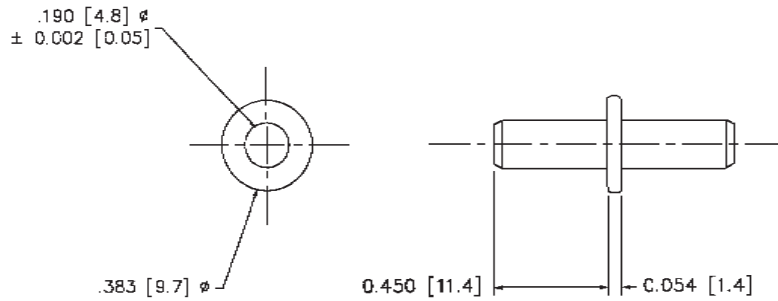
Stafast Products Inc.

SHELF PINS

These shelf pins are a sample of the many customized shelf support solutions available from Stafast.

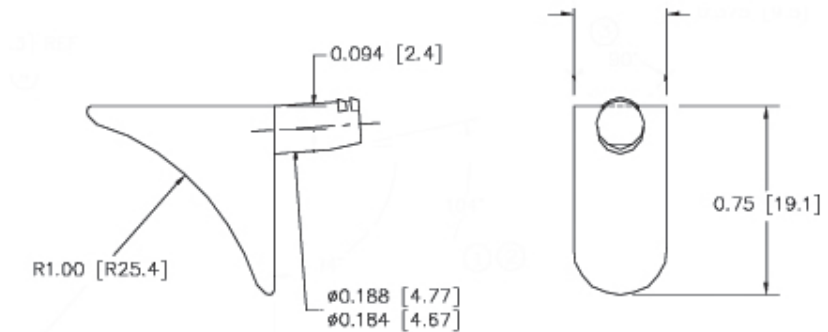
SLFPIN191-BN

Material - Steel



SLFZPIN5

Material - Zinc Die Cast

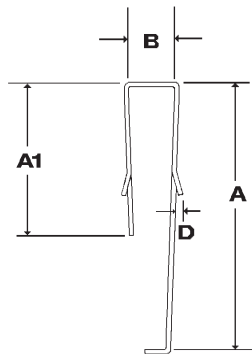


Stafast Products Inc.

CHAIR BASE CLIPS

Spring Steel

Chair Base Clips allow rapid and secure attachment of wood, urethane, or plastic caps to steel base understructures. They are designed for full caps and use an 8 barb style for added retention. They are ideal for smooth material or caps with dimensional variance.

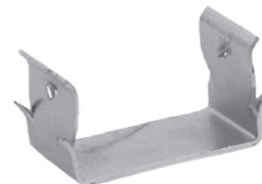
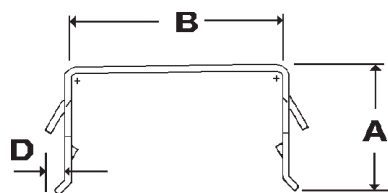


STYLE A

Part Number	Clip Size	A Major Length	A ₁ Minor Length	B Width	D Prong Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
BCC532080-HT ¹	51/64 x 5/32 x 3/8	51/64	1/2	5/32	3/32	.026	5	8
BCC14125B8-HT	1-1/4 x 1/4 x 3/8	1.262	.875	.260	.097	.026	8	3.5
BCC14150B8-HT	1-1/2 x 1/4 x 3/8	1.512	.875	.260	.097	.026	8	3
BCC14175B8-HT	1-3/4 x 1/4 x 3/8	1.762	.875	.260	.097	.026	9	2.5

4 barb style available

¹ Special Run - Minimum Order 100M



BCC084050-HT

STYLE B

Chair Base Clip for exposed base or partial cap. Clip holds decorative cap to a variety of steel and molded understructures. Clips can be furnished in other heights and widths.

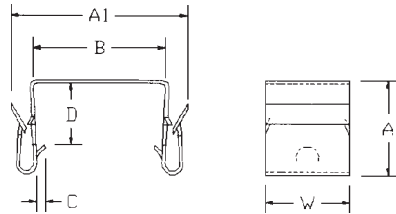
Part Number	Clip Size	A Major Length	B Width	D Prong Height	T Material Thickness	Lbs./M	Pcs. Ctn. M
BCC084050-HT	1/2 x .84 x 1/2	1/2	.84	3/32	.026	7	3.5
BCC077054-HT	.540 x .77 x 1/2	.540	.77	3/32	.026	7	3.5

Stafast Products Inc.

CHAIR BASE CLIPS

Spring Steel

Used to attach a plastic cap to a steel understructure.



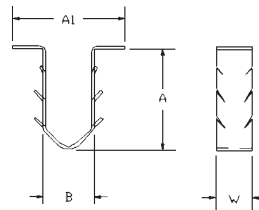
STYLE C

Part Number	Clip Size	A Height	A ₁	B Width	C Prong Height	D	W	T Material Thickness	Lbs./M	Pcs. Ctn. M
BCC819662P2-HT	.572 x 3/4 x 1/2	.572	1.06	.750	.050	.350	.500	.020	9	2.5

CHAIR ARM CLIPS

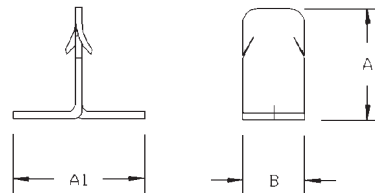
Spring Steel

Chair Arm Clip is used for blind and through connections of outer component. Its stud design allows for rapid connection in wood, plastic and metal frames. Economical upgrade to alternative fasteners.



Part Number	A Major Length	A ₁	B Width	W	T Material Thickness	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
COS250075-HT	3/4	.800	.375	.250	.020	7/16-1/2	4	5
COS250100-HT	1.0	.800	.375	.250	.020	7/16-1/2	4	4
COS250125-HT	1-1/4	1-1/8	.375	.250	.020	7/16-1/2	5	2.5

These unique arm clips are used for blind and through connections of outer components. They provide a rapid connection and high retention in wood, plastic and metal frames. They are an excellent alternative to plastic fasteners.



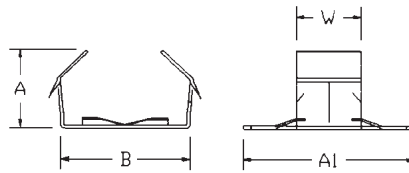
Part Number	A Major Length	A ₁	B Width	T Material Thickness	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
COT1407P-HT	.406	35/64	.250	.030	1/4	2	30

Stafast Products Inc.

CHAIR BACK CLIP

Spring Steel

Chair Back Clips are used for blind and through connections of outer components. Its stud design allows for rapid connections in wood, plastic and metal frames. A .500 diameter stud size is required. They are an economical upgrade to alternative fasteners.

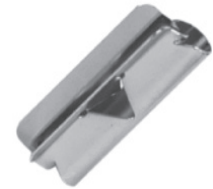
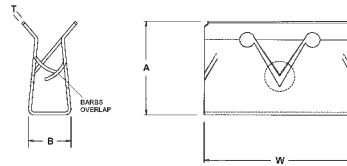


Part Number	A	A ₁	B	W	T Material Thickness	Pilot Hole Size	Lbs./M	Pcs. Ctn. M
COB12875E5002	.460	1.0	.830	.380	.020	7/8	6	3

UPHOLSTERY CLIP

Spring Steel

Upholstery Clip secures fabric to metal frame. Multiple barb configuration maximizes holding power.

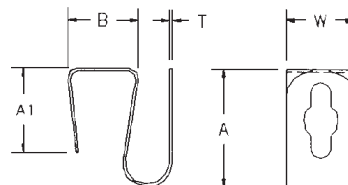


Part Number	A	B	W	T Material Thickness	Lbs./M	Pcs. Ctn.M
UC625390-ZN	.390	.178	5/8	.012	3	10
UC1004221-SO	.422	.212	1	.012	5	6

DESK FILE S-CLIP

Spring Steel

Desk File S-Clips are used in desk drawers for hanging files. It attaches securely to the drawer side (1/2" thickness) and allows either a rectangular or round file rod to be used without falling out.

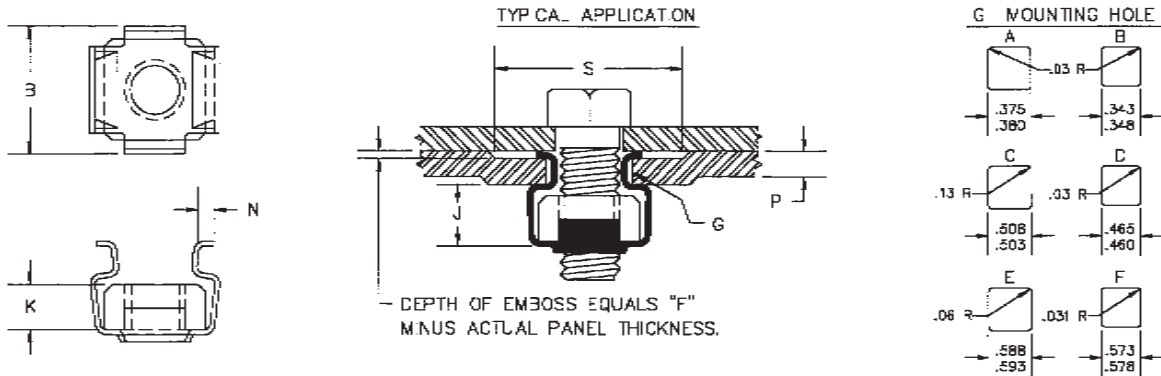


Part Number	A	A ₁	B	W	T Material Thickness	Lbs./M	Pcs. Ctn. M
SCL5087H1HTNS-ZN	.880	.610	.520	.500	.020	9	2.5

Stafast Products Inc.

CAGE NUTS

Type CN



Part Number	Thread Size	P Panel Range	F	S Emboss Square Min.	G Mounting Hole	B	J	N	K	T Material Thickness
CN063262563	6-32	.025-.063	.100	.531	A or B	.52	.25	.06	.156	.020
CN0632664105	6-32	.064-.105	.140	.531	A or B	.52	.25	.06	.156	.020
CN0632693126	6-32	.093-.126	.160	.531	A or B	.52	.25	.06	.156	.020
CN083262563	8-32	.025-.063	.100	.531	A or B	.52	.25	.06	.156	.020
CN0832664105	8-32	.064-.105	.140	.531	A or B	.52	.25	.06	.156	.020
CN0832693126	8-32	.093-.126	.160	.531	A or B	.52	.25	.06	.156	.020
CN102462563 ¹	10-24	.025-.063	.100	.531	A or B	.52	.25	.06	.170	.020
CN1024664105 ¹	10-24	.064-.105	.140	.531	A or B	.52	.25	.06	.170	.020
CN1024693126 ¹	10-24	.093-.126	.160	.531	A or B	.52	.25	.06	.170	.020
CN10246125156	10-24	.125-.156	.190	.531	A or B	.52	.25	.06	.170	.020
CN103262563 ¹	10-32	.025-.063	.100	.531	A or B	.52	.25	.06	.170	.020
CN1032664105 ¹	10-32	.064-.105	.140	.531	A or B	.52	.25	.06	.170	.020
CN1032693126 ¹	10-32	.093-.126	.160	.531	A or B	.52	.25	.06	.170	.020
CN10326125156	10-32	.125-.156	.190	.531	A or B	.52	.25	.06	.170	.020
CNM50862563 ¹	M5x0.8	.635-1.600	2.54	13.49	A or B	13.21	6.35	1.52	3.96	.51
CNM508664105 ¹	M5x0.8	1.626-2.667	3.56	13.49	A or B	13.21	6.35	1.52	3.96	.51
CNM508693126	M5x0.8	2.362-3.200	4.06	13.49	A or B	13.21	6.35	1.52	3.96	.51
CNM5086125156	M5x0.8	3.175-3.962	4.83	13.49	A or B	13.21	6.35	1.52	4.75	.51

¹ Also available in Stainless Steel

Stafast Products Inc.

CAGE NUTS										Type CN
Part Number	Thread Size	P Panel Range	F	S Emboss Square Min.	G Mounting Hole	B	J	N	K	T Material Thickness
CN122462563	12-24	.025-.063	.100	.531	A or B	.52	.25	.06	.17	.020
CN1224664105	12-24	.064-.105	.140	.531	A or B	.52	.25	.06	.17	.020
CN1224693126	12-24	.093-.126	.160	.531	A or B	.52	.25	.06	.17	.020
CN12246125156	12-24	.125-.156	.190	.531	A or B	.52	.25	.06	.17	.020
CNM61062563 ¹	M6 x1.0	.635-1.600	2.54	13.49	A or B	13.21	6.35	1.52	4.32	.51
CNM610664105 ¹	M6 x1.0	1.626-2.667	3.56	13.49	A or B	13.21	6.35	1.52	4.32	.51
CNM610693126 ¹	M6 x1.0	2.362-3.200	4.06	13.49	A or B	13.21	6.35	1.52	4.32	.51
CNM6106125156	M6 x1.0	3.175-3.962	4.83	13.49	A or B	13.21	6.35	1.52	4.32	.51
CN142062563 ¹	1/4-20	.025-.063	.100	.531	A or B	.52	.25	.06	.187	.020
CN142062563CL ²	1/4-20	.025-.063	.100	.531	A or B	.52	.25	.06	.187	.020
CN142082856	1/4-20	.028-.056	.095	.734	C or D	.66	.30	.10	.218	.025
CN142085792	1/4-20	.057-.092	.135	.734	C or D	.66	.30	.10	.218	.025
CN1420664105 ¹	1/4-20	.064-.105	.140	.531	A or B	.52	.25	.06	.187	.020
CN1420664105CL ²	1/4-20	.064-.105	.140	.531	A or B	.52	.25	.06	.187	.020
CN1420693126 ¹	1/4-20	.093-.126	.160	.531	A or B	.52	.25	.06	.187	.020
CN1420693126CL ²	1/4-20	.093-.126	.160	.531	A or B	.52	.25	.06	.187	.020
CN1420893126	1/4-20	.093-.126	.175	.734	C or D	.66	.30	.10	.218	.025
CN14206125156	1/4-20	.125-.156	.190	.531	A or B	.52	.25	.06	.187	.020
CN14208127162	1/4-20	.127-.162	.205	.734	C or D	.66	.30	.10	.218	.025

¹ Also available in Stainless Steel

² Locking Feature - Prevailing Torque 5-20 in. - lbs.

Stafast Products Inc.

CAGE NUTS										Type CN
Part Number	Thread Size	P Panel Range	F	S Emboss Square Min.	G Mounting Hole	B	J	N	K	T Material Thickness
CN561882856	5/16-18	.028-.056	.095	.734	C or D	.66	.30	.10	.218	.025
CN561885792	5/16-18	.057-.092	.135	.734	C or D	.66	.30	.10	.218	.025
CN5618893126	5/16-18	.093-.126	.175	.734	C or D	.66	.30	.10	.218	.025
CN56181093126	5/16-18	.093-.126	.165	.828	E or F	.87	.41	.10	.304	.025
CN56188127162	5/16-18	.127-.162	.205	.734	C or D	.66	.30	.10	.218	.025
CN561810127162	5/16-18	.127-.162	.205	.828	E or F	.87	.41	.10	.304	.025
CN561810162210	5/16-18	.162-.210	.245	.828	E or F	.87	.41	.10	.304	.025
CN561810240260	5/16-18	.240-.260	.305	.812	E or F	.87	.41	.10	.304	.025
CN562482856	5/16-24	.028-.56	.095	.734	C or D	.66	.30	.10	.218	.025
CN562485792	5/16-24	.057-.092	.135	.734	C or D	.66	.30	.10	.218	.025
CN5624893126	5/16-24	.093-.126	.175	.734	C or D	.66	.30	.10	.218	.025
CN56248127162	5/16-24	.127-.162	.205	.734	C or D	.66	.30	.10	.218	.025
CNM81382856	M8x1.25	.711-.1.422	2.41	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM81385792	M8x1.25	1.448-2.337	3.43	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM813893126	M8x1.25	2.362-3.200	4.45	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM8138127162	M8x1.25	3.226-4.115	5.21	18.64	C or D	16.76	7.62	2.54	5.54	.64
CN381682856	3/8-16	.028-.056	.095	.734	C or D	.66	.30	.10	.218	.025
CN381685792	3/8-16	.057-.092	.135	.734	C or D	.66	.30	.10	.218	.025
CN3816893126	3/8-16	.093-.126	.175	.734	C or D	.66	.30	.10	.218	.025
CN38161093126	3/8-16	.093-.126	.165	.828	E or F	.87	.41	.10	.304	.025
CN38168127162	3/8-16	.127-.162	.205	.734	C or D	.66	.30	.10	.218	.025
CN381610127162	3/8-16	.127-.162	.205	.828	E or F	.87	.41	.10	.304	.025
CN381610162210	3/8-16	.162-.210	.245	.828	E or F	.87	.41	.10	.304	.025
CN381610240260	3/8-16	.240-.260	.305	.812	E or F	.87	.41	.10	.304	.025

Stafast Products Inc.

CAGE NUTS										Type CN
Part Number	Thread Size	P Panel Range	F	S Emboss Square Min.	G Mounting Hole	B	J	N	K	T Material Thickness
CN382482856	3/8-24	.028-.056	.095	.734	C or D	.66	.30	.10	.218	.025
CN382485792	3/8-24	.057-.092	.135	.734	C or D	.66	.30	.10	.218	.025
CN3824893126	3/8-24	.093-.126	.175	.734	C or D	.66	.30	.10	.218	.025
CN38248127162	3/8-24	.127-.162	.205	.734	C or D	.66	.30	.10	.218	.025
CNM101582856	M10x1.50	.711-1.422	2.41	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM101585792	M10x1.50	1.448-2.337	3.43	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM1015893126	M10x1.50	2.362-3.200	4.45	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM10151093126	M10x1.50	2.362-3.200	4.45	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM10158127162	M10x1.50	3.226-4.115	5.21	18.64	C or D	16.76	7.62	2.54	5.54	.64
CNM101510127162	M10x1.50	3.226-4.115	6.22	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM101510162210	M10x1.50	4.115-5.334	6.22	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM101510240260	M10x1.50	6.096-6.604	7.75	20.62	E or F	22.10	10.41	2.54	7.72	.64
CN12131093126	1/2-13	.093-.126	.165	.828	E or F	.87	.41	.10	.304	.025
CN121310127162	1/2-13	.127-.162	.205	.828	E or F	.87	.41	.10	.304	.025
CN121310162210	1/2-13	.162-.210	.245	.828	E or F	.87	.41	.10	.304	.025
CN121310240260	1/2-13	.240-.260	.305	.812	E or F	.87	.41	.10	.304	.025
CNM12181093126	M12x1.75	2.362-3.200	4.45	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM121810127162	M12x1.75	3.226-4.115	6.22	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM121810162210	M12x1.75	4.115-5.334	6.22	20.62	E or F	22.10	10.41	2.54	7.72	.64
CNM121810240260	M12x1.75	6.096-6.604	7.75	20.62	E or F	22.10	10.41	2.54	7.72	.64

Stafast Products Inc.

DECIMAL and MILLIMETER EQUIVALENTS

DECIMALS		MILLIMETERS	DECIMALS		MILLIMETERS	MM	INCHES	MM	INCHES
$\frac{1}{64}$	0.015625	0.397	$\frac{33}{64}$	0.515625	13.097	.1	.0039	46	-1.8110
$\frac{1}{32}$	.03125	0.794	$\frac{17}{32}$	.53125	13.494	.2	.0079	47	-1.8504
$\frac{1}{16}$	.0625	1.588	$\frac{35}{64}$	.546875	13.891	.3	.0118	48	-1.8898
$\frac{3}{32}$	.09375	2.381	$\frac{37}{64}$	.5625	14.288	.4	.0158	49	-1.9291
$\frac{1}{8}$	.1250	3.175	$\frac{19}{32}$	.578125	14.684	.5	.0197	50	-1.9685
$\frac{5}{64}$	.140625	3.572	$\frac{39}{64}$	.59375	15.081	.6	.0236	51	-2.0079
$\frac{5}{32}$	.15625	3.969	$\frac{41}{64}$	.609375	15.478	.7	.0276	52	-2.0472
$\frac{3}{16}$	.1875	4.763	$\frac{21}{32}$	.6250	15.875	.8	.0315	53	-2.0866
$\frac{7}{32}$	.21875	5.556	$\frac{43}{64}$	.640625	16.272	.9	.0354	54	-2.1260
$\frac{1}{4}$	.2500	6.350	$\frac{45}{64}$	.65625	16.669	1	.0394	55	-2.1654
$\frac{9}{64}$	.265625	6.747	$\frac{23}{32}$	.671875	17.066	2	.0787	56	-2.2047
$\frac{9}{32}$	.28125	7.144	$\frac{47}{64}$	.6875	17.463	3	.1181	57	-2.2441
$\frac{5}{16}$	.3125	7.938	$\frac{49}{64}$	.703125	17.859	4	.1575	58	-2.2835
$\frac{11}{32}$	.34375	8.731	$\frac{51}{64}$	.71875	18.256	5	.1969	59	-2.3228
$\frac{3}{8}$	.3750	9.525	$\frac{25}{32}$	.734375	18.653	6	.2362	60	-2.3622
$\frac{13}{32}$	.40625	10.319	$\frac{13}{16}$	.7500	19.050	7	.2756	61	-2.4016
$\frac{7}{16}$	.4375	11.113	$\frac{27}{32}$	.765625	19.447	8	.3150	62	-2.4409
$\frac{15}{32}$	.46875	11.906	$\frac{55}{64}$	.78125	19.844	9	.3543	63	-2.4803
$\frac{1}{2}$	.5000	12.700	$\frac{57}{64}$	.796875	20.241	10	.3937	64	-2.5197
			$\frac{29}{32}$	.8125	20.638	11	.4331	65	-2.5591
			$\frac{15}{16}$	.828125	21.034	12	.4724	66	-2.5984
			$\frac{31}{32}$	.84375	21.431	13	.5118	67	-2.6378
			$\frac{61}{64}$	.859375	21.828	14	.5512	68	-2.6772
			$\frac{59}{64}$	.8750	22.225	15	.5906	69	-2.7165
			$\frac{29}{32}$	.890625	22.622	16	.6299	70	-2.7559
			$\frac{15}{16}$	.90625	23.019	17	.6693	71	-2.7953
			$\frac{31}{32}$	.921875	23.416	18	.7087	72	-2.8346
			$\frac{61}{64}$	.9375	23.813	19	.7480	73	-2.8740
			$\frac{59}{64}$	.953125	24.209	20	.7874	74	-2.9134
			$\frac{29}{32}$	.96875	24.606	21	.8268	75	-2.9528
			$\frac{15}{16}$	.984375	25.003	22	.8661	76	-2.9921
			$\frac{31}{32}$	1.000	25.400	23	.9055	77	-3.0315
			$\frac{61}{64}$			24	.9449	78	-3.0709
			$\frac{59}{64}$			25	.9843	79	-3.1102
			$\frac{29}{32}$			26	1.0236	80	-3.1496
			$\frac{15}{16}$			27	1.0630	81	-3.1890
			$\frac{31}{32}$			28	1.1024	82	-3.2283
			$\frac{61}{64}$			29	1.1417	83	-3.2677
			$\frac{59}{64}$			30	1.1811	84	-3.3071
			$\frac{29}{32}$			31	1.2205	85	-3.3465
			$\frac{15}{16}$			32	1.2598	86	-3.3858
			$\frac{31}{32}$			33	1.2992	87	-3.4252
			$\frac{61}{64}$			34	1.3386	88	-3.4646
			$\frac{59}{64}$			35	1.3780	89	-3.5039
			$\frac{29}{32}$			36	1.4173	90	-3.5433
			$\frac{15}{16}$			37	1.4567	91	-3.5827
			$\frac{31}{32}$			38	1.4961	92	-3.6220
			$\frac{61}{64}$			39	1.5354	93	-3.6614
			$\frac{59}{64}$			40	1.5748	94	-3.7008
			$\frac{29}{32}$			41	1.6142	95	-3.7402
			$\frac{15}{16}$			42	1.6535	96	-3.7795
			$\frac{31}{32}$			43	1.6929	97	-3.8189
			$\frac{61}{64}$			44	1.7323	98	-3.8583
			$\frac{59}{64}$			45	1.7717	99	-3.8976
			$\frac{29}{32}$					100	-3.9370

1 mm = .03937"

.001" = .0254 mm