

THE LEADING SOURCE FOR BOTH CONE TYPE SPIRACONE™ AND TWIN PRONG SPRING NUTS.



WCL offers you the most popular spring nuts: Flat nuts, J-nuts, U-nuts, push-ons, double nuts, wide range panel nuts and U-clips.

These fasteners represent an important complement to our many other engineered fasteners.

Why spring nuts?

Shakeproof spring nuts are one-piece, self-locking, multi-purpose devices that prevent screws from loosening due to vibration. The use of spring nuts often eliminates the need for additional fasteners. And, because they allow faster and easier assembly, spring nuts can lower costs of manufacture. Their installation requires no special tools, equipment or skills.

HOW SPRING NUTS WORK

SpiraCone Impressions:

The SpiraCone impression offers some significant advantages. The funnel lead enables easier starting even if the screw is misaligned. No cross-threading can occur. A greater choice of material thickness is available with SpiraCone nuts. In addition, this stronger form enables the SpiraCone to hold its shape better even when torqued to the extreme. The result is a higher unit clamping force. Because of its design, the spring nut, even if rusted can be easily loosened.

Twin prong Impressions:

These spring nuts create both an inward-thread lock and an arched-spring lock. These two locking forces are exerted on the screw as it is torqued and prevent the screw from loosening.

The inward-thread lock is exerted by two arched prongs which, under torque, move inward to engage and lock on the screw thread root. The prongs are free-acting and compensate for screw thread tolerance variation.

The arched-spring lock is exerted by the compression of the arch in both the prongs and base as the screw is torqued. A strong upward motion is exerted against the screw threads.

Wide Range Panel Nuts:

These fasteners allow panel thickness variations of as much as one eighth inch to be designed into a product. Wide Range Panel Nuts can accommodate thicknesses from light sheet metal to heavy fiber-board using just one type of fastener. This makes for economy in both stocking and availability.

Form Variations

Drawing accompanying headings for each section show the "A" form of the parts listed.

Variations are indicated by bullets in the Form listings and the drawings are on the inside of each section.

Note: SpiraCone is a registered trademarks of Illinois Tool Works Incorporated.

SPRING NUTS

GENERAL INFORMATION

Machine Screw Torque and Tensile Limits

SCREW SIZE	STANDARD MATERIAL THICKNESS	RECOMMENDED INSTALLATION TORQUE	TENSILE LOAD LIMIT (LBS)
SPIRACONE APPLICATIONS			
4-36	.012	4 in-lbs	110
4-40	.012	4 in-lbs	110
6-32	.017	6 in-lbs	150
8-32	.017	8 in-lbs	250
10-24	.020	14 in-lbs	450
10-32	.017	10 in-lbs	500
1/4-20	.025	40 in-lbs	650
5/16-18	.025	60 in-lbs	1200
TWIN PRONG APPLICATIONS			
4-36	.012	3 in-lbs	100
4-40	.012	3 in-lbs	100
6-32	.017	5 in-lbs	150
8-32	.017	7 in-lbs	250
10-24	.022	12 in-lbs	350
3/16-24	.022	12 in-lbs	350
1/4-20	.025	30 in-lbs	600
5/16-18	.028	30 in-lbs	1000

Sheet Metal Screw Torque and Tensile Limits

SCREW SIZE	THREADS PER INCH	STANDARD MATERIAL THICKNESS	RECOMMENDED INSTALLATION TORQUE	TENSILE LOAD LIMIT TORQUE (LBS)
SPIRACONE APPLICATIONS				
4A	24	.020	8 in-lbs	450
4B	24	.020	8 in-lbs	450
6A	18	.020	12 in-lbs	525
6B	20	.020	12 in-lbs	525
8A	15	.025	20 in-lbs	650
8B	18	.025	20 in-lbs	650
10A	12	.025	30 in-lbs	1000
10B	16	.025	30 in-lbs	1000
14A	10	.030	60 in-lbs	1400
1/4B	14	.030	60 in-lbs	1400
5/16B	12	.040	120 in-lbs	1800
TWIN PRONG APPLICATIONS				
4A	24	.022	9 in-lbs	300
4B	24	.022	9 in-lbs	300
6A	18	.025	11 in-lbs	400
6B	20	.025	11 in-lbs	400
8A	15	.028	17 in-lbs	600
8B	18	.028	17 in-lbs	600
10A	12	.031	31 in-lbs	800
10B	16	.031	31 in-lbs	800
12A	11	.034	34 in-lbs	900
12B	14	.034	34 in-lbs	900
14A	10	.037	48 in-lbs	1150
1/4B	14	.037	48 in-lbs	1150
5/16B	12	.044	16 ft-lbs	1200
3/8B	12	.050	19 ft-lbs	2500

Acme Thread Bolt Torque and Tensile Limits

SCREW SIZE	STANDARD MATERIAL THICKNESS	RECOMMENDED INSTALLATION TORQUE	TENSILE LOAD LIMIT (LBS)
SPIRACONE APPLICATIONS			
5/16-10	.044	135 IN-LBS	2500
TWIN PRONG APPLICATIONS			
5/16-10	.044	19 FT-LBS	2200

Clearance hole—Flat nuts only

Self-retaining fasteners, such as U or J nuts may “snap” onto panel holes. The hole diameters listed will not, of course apply. Specific recommendations for each of these styles is listed for each part.

SCREW SIZE	HOLE DIAMETER—SPIRACONE	HOLE DIAMETER—TWIN PRONG
4	9/64	1/8
6	11/64	5/32
8	13/64	3/16
10	1/4	7/32
12	9/32	1/4
14,1/4	5/16	9/32
5/16	3/8	11/32

Finishes

Over 450 different finishes have been used on Spring Nuts in the past years. Virtually any finish may be supplied. The most popular, however, are as follows:

- Mechanical Zinc is a standard finish.
- Phosphate with oil or wax is also a standard finish.
- Phosphate with two coats of paint. the paint protection available includes olive drab, bright green and black phenolics as well as aluminum.
- Plain Oil

Our engineers have had experience with many corrosion problems and will be glad to help you choose.

Materials

Although spring nuts are usually made of heat treated steel, they can be made of any appropriate metal.

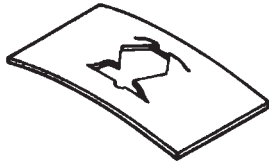
Screw end protrusion

Because more and more screws are being made with header points, chamfer points and gimlet points of various design, Shakeproof recommends that a thread minimum of one whole pitch of full diameter protrude past the top of the spring nut, whether SpiraCone or Twin Prong design.

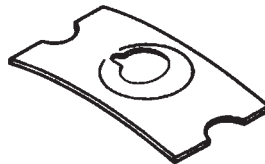
FLAT NUT FORM

Flat Nut Form Variations

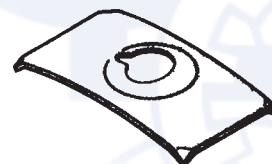
Form B - Diamond impression



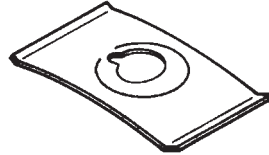
Form C - Notched ends



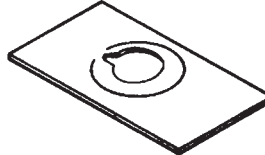
Form D - turned up corners



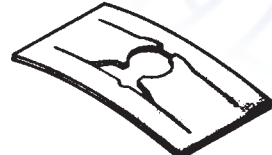
Form E - Turned up ends



Form F - Flat Base



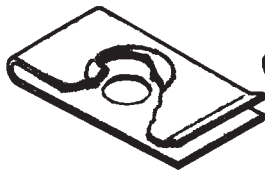
Form G - Zip-on



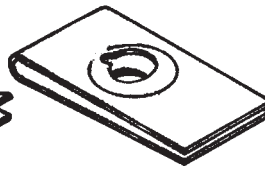
J AND U NUT FORM

J and U Nut Form Variations

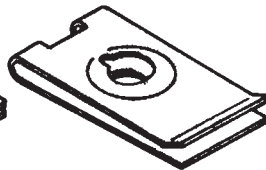
Form B - No Extrusion



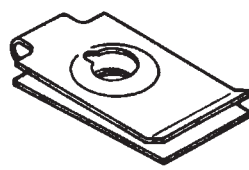
Form C - Straight upper leg



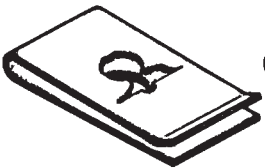
Form D - Center relief notches



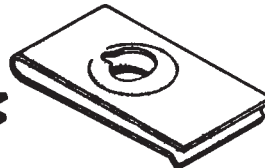
Form E - Side relief notches



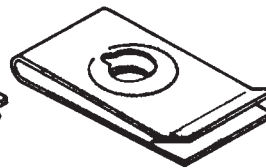
Form F - Impression at 90°
Twin pring only



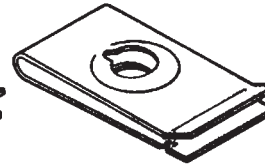
Form G - Leads on lower leg



Form H - Barbs on upper leg



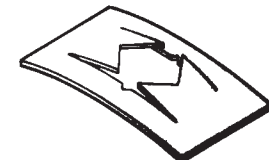
Form I - Barbs on lower leg



PUSH-ON NUT FORM

Push-on Form Variations

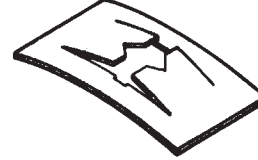
Form B - Diamond impression



Form C - For Hardened studs



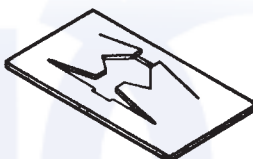
Form D - For round studs and
D-shaped studs



Form E - turned up ends



Form F - Flat Base



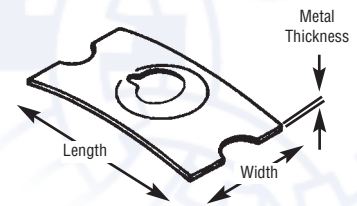
Form G - Turned up corners



RECTANGULAR FLAT NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*							LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G			
8AB	FN-610525-1	•					•		5/8	19/32	.028
8AB	FN-602925-1	•							3/4	7/16	.028
10-32	FN-612107-1	•							3/4	7/16	.020
10A	FN-612355-1	•							3/4	7/16	.020
10B	FN-612450-1	•		•	•				3/4	7/16	.025
10B	FN-612455-1	•		•	•				3/4	7/16	.030
12A	FN-612800-1	•							3/4	1/2	.035
14A	FN-613675-1	•							1	9/16	.040
14A	FN-617895-1 ¹	•					•		1	9/16	.040
5/16-18	FN-617950-1	•						•	9/16	25/64	.025

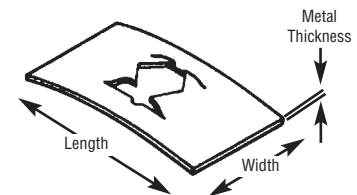
Form A—Cone Impression



¹ Two holes.

SCREW SIZE	WCL PRODUCT NUMBER	FORM*							LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G			
4-40	FN-610105-1	•							7/16	1/4	.012
4A,B	FN-602540-1	•							11/32	17/64	.020
4A,B	FN-602545-1 ⁷	•				•			11/32	9/32	.020
4A,B	FN-610110-1	•							3/8	1/4	.022
6-32	FN-610200-1	•							7/16	9/32	.018
6-32	FN-602525-1	•							33/64	5/16	.018
6-32	FN-602520-1	•							7/8	3/8	.018
6A,B	FN-602550-1 ⁷	•				•			11/32	9/32	.020
6A,B	FN-610305-1	•							1/2	5/16	.025
8-32	FN-610400-1	•							1/2	5/16	.018
8-32	FN-610420-1	•				•			5/8	3/8	.018
8-32	FN-610410-1	•						•	5/8	3/8	.018
8-32	FN-619100-1	•						•	3/4	7/16	.018
8-32	FN-619136-1	•							7/8	7/16	.018
8-32	FN-619135-1	•						•	7/8	1/2	.015
8A,B	FN-602800-1	•			•				5/8	3/8	.025
8A,B	FN-610500-1	•							5/8	13/32	.028
8A,B	FN-602900-1	•				•			5/8	7/16	.028
8A,B	FN-610550-1	•							7/8	15/32	.028
10-24	FN-611650-1	•							5/8	3/8	.020
10-24	FN-611725-1	•							3/4	7/16	.020
10-24	FN-611730-1	•		•	•				3/4	7/16	.020
10-24	FN-611742-1	•		•					3/4	7/16	.024
10-24	FN-619345-1	•		•				•	3/4	7/16	.020
10-24	FN-611575-1	•							1	7/16	.022

Form A—Twin Prong Impression



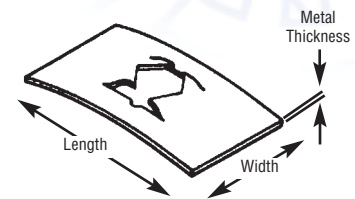
⁷ Special; request blueprint

* See page 33 for Flat Nut Forms

RECTANGULAR FLAT NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*							LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G			
10-24	FN-617200-1 ¹	•						•	1-3/8	3/8	.022
10-32	FN-612050-1	•							3/4	7/16	.018
10A	FN-612370-1	•							3/4	1/2	.030
10A	FN-612371-1	•			•				3/4	1/2	.030
10A	FN-612385-1	•							7/8	1/2	.030
10A	FN-617400-1 ⁷	•							1-1/4	1/2	.030
12A	FN-612900-1	•							3/4	1/2	.030
1/4-20	FN-613355-1	•							3/4	1/2	.025
1/4-20	FN-613360-1	•			•				3/4	1/2	.025
1/4-20	FN-613365-1	•			•				1	9/16	.015
1/4-20	FN-613366-1	•						•	1	9/16	.015
1/4-20	FN-613372-1	•			•				1	9/16	.025
14A 1/4-B	FN-613600-1	•							7/8	9/16	.035
14A	FN-613665-1	•							29/32	9/16	.035
14A	FN-613505-1	•			•				1	1	.035
5/16-18	FN-614010-1	•			•				1	9/16	.015
5/16-18	FN-614020-1	•							1	5/8	.028
5/16B	FN-614600-1	•							1-1/8	5/8	.045
3/8-16	FN-618900-1	•	•					•	1	11/16	.012
3/8-16	FN-618901-1	•	•					•	1	11/16	.015
3/8-16	FN-618902-1	•	•					•	1	11/16	.018
3/8-16	FN-618903-1	•	•					•	1	11/16	.020
1/2-13	FN-619801-1	•	•					•	1-7/32	7/8	.010
1/2-13	FN-619800-1	•	•					•	1-7/32	7/8	.018
1/2-13	FN-619802-1	•	•					•	2	7/8	.018
5/8-11	FN-615075-1	•				•		•	1-29/64	1	.015
3/4-10	FN-6115090-1	•						•	1-3/4	1	.020

Form A—Twin Prong Impression



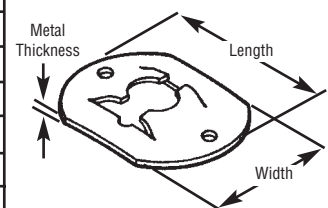
¹ Two Holes.

⁷ Special; request blueprint

ROUND FLAT NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*							DIAMETER	WIDTH	WRENCH HOLES	METAL THICKNESS
		A	B	C	D	E	F	G				
8-32	FN-618990-1	•							1/2	—	2-1/16	.018
10-24	FN-618100-1	•							9/16	—	2-3/32	.018
10-24	FN-618105-1	•							7/8	—	—	.012
10-32	FN-619400-1	•							15-32	7/16	—	.015
1/4-20	FN-641000-1	•	•					•	1/2	—	—	.010
1/4-20	FN-618205-1	•						•	1/2	—	—	.030
1/4-20	FN-641002-1	•	•					•	9/16	—	—	.018
1/4-20	FN-641001-1	•						•	3/4	—	2-3/32	.018
5/16-18	FN-619140-1	•						•	7/8	11/16	—	.012
3/8-16	FN-618356-1	•	•					•	7/8	—	2-3/32	.018
3/8-16	FN-618357-1	•	•					•	7/8	—	2-3/32	.018
7/16-14	FN-618720-1	•	•					•	31/32	11/16	2-3/32	.015
7/16-20	FN-618725-1	•	•					•	29/32	11/16	2-3/32	.015
1/2-20	FN-618700-1	•	•					•	31/32	3/4	2-3/32	.020

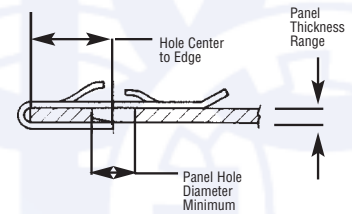
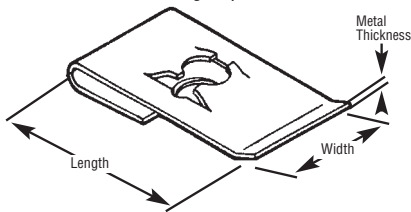
Form A—Twin Prong Impression



* See page 33 for Flat Nut Forms

J NUTS

Form A—Twin Prong Impression



SCREW SIZE	WCL PRODUCT NUMBER	FORM								PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H						
4-40	JN-620040-1	•		•						.060-.080	5/32	1/4	9/16	3/8	.015
6-32	JN-620086-1	•		•	•			•		.025-.040	3/16	7/32	15/32	1/2	.018
6-32	JN-620085-1	•		•	•			•		.045-.062	3/16	7/32	15/32	1/2	.018
6-32	JN-620050-1	•								.045-.062	7/32	7/32	15/32	1/2	.018
6-32	JN-620070-1	•		•				•		.045-.062	3/16	19/64	5/8	5/16	.018
6-32	JN-620015-1	•		•				•		.067-.080	3/16	7/16	13/16	5/16	.018
6-32	JN-620076-1	•		•				•		.025-.040	3/16	15/32	13/16	5/16	.018
6-32	JN-620075-1	•		•				•		.045-.062	3/16	15/32	13/16	5/16	.018
6A,B	JN-620036-1	•		•	•			•		.025-.040	3/16	7/32	15/32	1/2	.025
6A,B	JN-620035-1	•		•	•			•		.045-.062	3/16	7/32	15/32	1/2	.025
6A,B	JN-620025-1	•		•				•		.025-.040	3/16	19/64	5/8	5/16	.025
6A,B	JN-620077-1	•		•				•		.025-.040	3/16	15/32	13/16	5/16	.025
6A,B	JN-620078-1	•		•				•		.045-.062	3/16	15/32	13/16	5/16	.025
8-32	JN-620111-1	•		•	•			•		.025-.040	7/32	15/64	17/32	1/2	.018
8-32	JN-620110-1	•		•	•			•		.045-.062	7/32	15/64	33/64	1/2	.018
8-32	JN-620170-1	•		•				•		.032-.040	1/4	17/64	1/2	1/2	.018
8-32	JN-627660-1 ⁷	•						•		.040-.063	1/4	9/32	9/16	9/16	.018
8-32	JN-620105-1	•		•				•		.025-.040	7/32	9/32	11/16	13/32	.018
8-32	JN-620115-1	•		•				•		.045-.062	7/32	21/64	11/16	13/32	.018
8-32	JN-620122-1	•		•				•		.025-.040	7/32	33/64	7/8	13/32	.018
8-32	JN-620120-1	•		•				•		.045-.060	7/32	33/64	7/8	13/32	.018
8A,B	JN-620286-1	•		•	•			•		.032-.051	7/32	5/32	1/2	1/2	.030
8A,B	JN-620290-1 ¹	•		•	•			•		.045-.062	7/32	5/32	1/2	1/2	.030
8A,B	JN-622525-1	•		•	•			•		.032-.040	7/32	3/16	25/64	5/16	.025
8A,B	JN-620275-1	•		•	•			•		.025-.040	9/32	3/16	17/32	1/2	.028
8A,B	JN-620213-1	•		•	•			•		.025-.045	7/32	15/64	17/32	1/2	.018
8A,B	JN-620212-1	•		•	•			•		.045-.062	7/32	15/64	17/32	1/2	.018
8A,B	JN-620265-1	•		•	•			•		.023-.051	7/32	1/4	31/64	1/2	.028
8A,B	JN-620249-1 ¹	•		•	•			•		.020-.030	7/32	1/4	1/2	1/2	.020
8A,B	JN-620405-1	•		•	•			•		.025-.040	7/32	1/4	1/2	1/2	.022
8A,B	JN-620254-1 ⁷	•		•	•			•		.025-.040	7/32	1/4	1/2	1/2	.022
8A,B	JN-620256-1	•		•	•			•		.042-.064	7/32	1/4	1/2	1/2	.025
8A,B	JN-627750-1	•		•	•			•		.090-.110	7/32	1/4	33/64	1/2	.028
8A,B	JN-620271-1	•		•	•			•		.110-.113	7/32	1/4	33/64	1/2	.022
8A,B	JN-620810-1	•		•				•		.035-.072	1/4	1/4	9/16	3/8	.028
8A,B	JN-620616-1 ³	•						•		.120-.130	7/32	1/4	5/8	7/16	.025
8A,B	JN-620615-1	•						•		.075-.100	7/32	1/4	5/8	7/16	.025
8A,B	JN-622530-1 ³	•						•		.145-.160	7/32	1/4	5/8	7/16	.025
8A,B	JN-620255-1	•		•				•		.025-.040	15/64	9/32	1/2	1/2	.020
8A,B	JN-620803-1	•		•				•		.045-.062	9/32	9/32	11/16	13/32	.028
8A,B	JN-627898-1 ³	•						•		.213-.223	1/4	5/16	21/32	3/8	.028
8A,B	JN-627897-1	•						•		.030-.040	3/8	5/16	13/16	9/16	.028
8A,B	JN-622545-1	•		•				•		.060-.070	1/4	21/64	5/8	7/16	.028
8A,B	JN-620309-1	•		•	•			•		.032-.064	9/32	3/8	25/32	7/16	.028
8A,B	JN-620260-1	•		•	•			•		.071-.080	7/32	15/32	25/32	5/8	.028
8A,B	JN-620617-1	•		•				•		.025-.040	7/32	33/64	7/8	13/32	.028

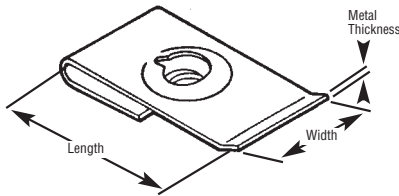
Notes: ¹ Turned up corner(s) on top leg.

⁷ Special; request blueprint.

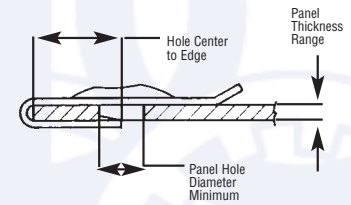
³ Square fold

* See page 33 for "J" Nut Forms

Form A—Cone Impression



J NUTS



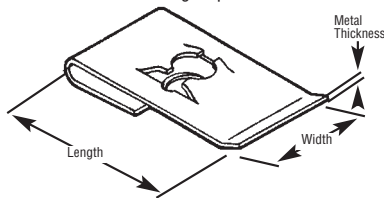
SCREW SIZE	WCL PRODUCT NUMBER	FORM*									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	G	H	I							
8-32	JN-620100-1	•	•					•			.025-.040	7/32	7/32	17/32	1/2	.015
8A,B	JN-620805-1	•	•					•			.030-.055	1/4	3/16	9/16	13/32	.025
8A,B	WN-627899-1 ²	•		•							.020-.060	17/64	15/64	33/64	35/64	.025
8A,B	JN-627900-1	•	•	•			•	•			.075-.095	7/32	1/4	9/16	7/16	.020
8A,B	JN-620251-1	•		•							.075-.100	13/64	1/4	41/64	7/16	.020
8A,B	JN-620234-1	•		•							.025-.045	9/32	9/32	1/2	7/16	.020
8A,B	JN-620235-1	•		•							.033-.051	9/32	9/32	1/2	7/16	.020
8A,B	JN-620800-1	•		•							.025-.040	9/32	9/32	39/64	13/32	.025
8A,B	JN-620250-1	•		•							.025-.040	7/32	9/32	39/64	7/16	.020
8A,B	JN-620355-1	•						•			.040-.060	9/32	19/64	41/64	7/16	.028
8A,B	JN-622540-1	•			•						.055-.085	17/64	19/64	41/64	7/16	.020
8A,B	JN-622600-1	•	•	•	•						.065-.130	7/32	5/16	1/2	3/8	.020
8A,B	JN-620252-1	•		•	•						.020-.030	7/32	13/32	21/32	7/16	.020
8A,B	JN-620270-1	•		•	•						.025-.040	7/32	35/64	13/16	7/16	.020
8A,B	JN-620802-1	•					•				.025-.040	9/32	19/32	7/8	13/32	.028
8A,B	JN-627895-1	•		•			•	•			.014-.187	7/32	25/32	1-7/64	15/32	.025
10-32	JN-622620-1	•		•	•						.040-.055	9/32	9/32	9/16	1/2	.020
10A	WN-628176-1 ^{1,3}	•		•	•						.020-.060	17/64	15/64	17/32	9/16	.030
10A	WN-628177-1 ^{1,3}	•		•	•			•	•		.020-.060	17/64	15/64	17/32	9/16	.028
10A	JN-623153-1	•		•	•						.025-.055	1/4	1/4	37/64	1/2	.020
10A	JN-623785-1	•			•						.105-.115	1/4	9/32	19/32	1/2	.030
10A	JN-623125-1	•		•	•						.015-.035	1/4	5/16	41/64	1/2	.020
10A	JN-623250-1	•		•	•						.038-.062	5/16	5/16	41/64	1/2	.020
10A	JN-628205-1	•		•			•	•			.030-.040	1/4	5/16	41/64	9/16	.030
10A	JN-623130-1	•		•	•						.020-.035	9/32	5/16	9/16	1/2	.020
10A	JN-623225-1	•		•	•						.035-.050	17/64	23/64	41/64	1/2	.030
10A	JN-623725-1	•		•	•						.045-.062	1/4	1/2	53/64	1/2	.025
10A	JN-623190-1	•		•			•				.025-.040	1/4	33/64	31/32	1/2	.030
10A,B	JN-624415-1	•					•				.060-.093	1/4	9/32	19/32	1/2	.030
10A,B	JN-623780-1	•					•				.060-.093	1/4	9/32	39/64	1/2	.030
10A,B	JN-628233-1 ^{3,7}	•		•			•	•		•	.043-.077	1/4	11/32	41/64	1/2	.030
10B	JN-624351-1	•		•	•						.045-.065	1/4	5/16	9/16	1/2	.030
10B	JN-624400-1	•		•	•						.050-.060	1/4	11/32	39/64	7/16	.025
10B	JN-628475-1	•		•			•	•			.030-.047	11/32	3/8	51/64	1/2	.030
10B	JN-628500-1	•		•			•	•			.032-.046	3/8	3/8	3/4	35/64	.025
10B	JN-624201-1 ³	•		•	•						115-.135	1/4	3/8	5/8	7/16	.020
10B	JN-624350-1	•		•	•			•			.045-.062	17/64	25/64	45/64	3/8	.020
10B	JN-628525-1	•		•	•			•			.040-.065	3/8	25/64	25/32	19/32	.035
10B	JN-624401-1	•	•	•	•						.050-.060	1/4	13/32	45/64	7/16	.025
1/4-20	JN-626336-1 ³	•	•	•	•						.055-.070	17/64	7/32	5/8	3/4	.025
1/4-20	JN-626550-1 ³	•	•	•	•			•			.180-.245	3/8	31/64	55/64	9/16	.025
1/4-20	JN-626557-1	•		•	•						.065-.100	11/32	1/2	57/64	35/64	.025
14A	JN-629300-1	•		•	•			•	•		.032-.066	3/8	9/32	5/8	9/16	.036
14A	JN-625425-1	•		•	•						.028-.056	3/8	3/8	51/64	9/16	.030
14A	JN-625525-1	•		•	•						.060-.087	3/8	3/8	51/64	9/16	.030
14A	JN-625530-1	•		•	•			•			.060-.087	3/8	3/8	29/32	9/16	.040
14A	JN-625450-1	•		•	•						.025-.055	3/8	15/32	29/32	5/8	.035
1/4B	JN-626332-1	•		•	•						.095-.120	3/8	31/64	55/64	9/16	.035
1/4B	JN-625700-1	•		•	•						.028-.056	3/8	11/16	1-5/32	9/16	.035

Notes: ¹ Turned up corner(s) on top leg.
² Wide range panel.

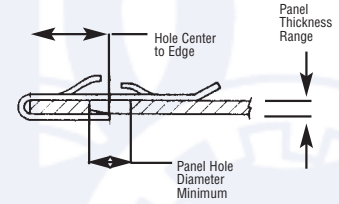
³ Square fold
⁷ Special; request blueprint.

* See page 33 for "J" Nut Forms

Form A—Twin Prong Impression



J NUTS



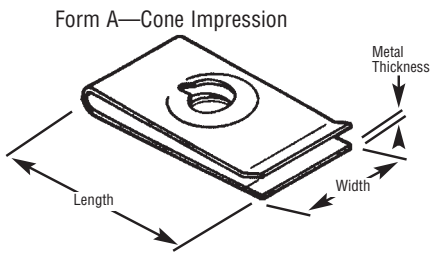
SCREW SIZE	WCL PRODUCT NUMBER	FORM								PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H						
8A,B	JN-620221-1	•	•		•					.045-.060	7/32	33/64	55/64	13/32	.028
8A,B	JN-620605-1	•			•	•				.045-.062	7/32	33/64	7/8	13/32	.028
8A,B	JN-620285-1	•			•					.065-.085	3/8	11/16	1-7/64	5/8	.025
10-24	JN-622625-1	•			•	•				.025-.040	7/32	7/32	33/64	5/8	.020
10-24	JN-622814-1	•			•	•				.025-.040	1/4	1/4	19/32	5/8	.022
10-24	JN-622813-1	•			•	•				.045-.062	1/4	1/4	19/32	5/8	.022
10-24	JN-622800-1	•			•	•				.045-.062	1/4	17/64	19/32	5/8	.020
10-24	JN-622710-1	•			•					.025-.040	1/4	23/64	51/64	3/8	.022
10-24	JN-622700-1	•			•					.020-.045	5/16	3/8	21/32	9/16	.022
10-24	JN-622705-1	•			•					.025-.040	5/16	33/64	31/32	3/8	.020
10-24	JN-622706-1	•			•					.045-.062	1/4	9/16	31/32	3/8	.022
10-32	JN-622810-1	•			•	•				.025-.040	1/4	1/4	19/32	5/8	.018
10-32	JN-623016-1	•			•					.032-.051	9/32	5/8	1-1/16	1/2	.018
10A	JN-623730-1	•								.025-.040	1/4	1/4	37/64	5/8	.030
10A	JN-623811-1	•			•					.025-.040	1/4	1/4	37/64	5/8	.030
10A	JN-623812-1	•			•					.045-.062	1/4	1/4	37/64	5/8	.030
10A	JN-623120-1	•			•					.047-.059	1/4	17/64	39/64	7/16	.028
10A	JN-623902-1	•				•				.060-.093	1/4	9/32	39/64	1/2	.030
10A	JN-623925-1 ³	•								.130-.150	5/16	9/32	39/64	1/2	.030
10A	JN-623775-1 ⁴	•			•					.055-.065	19/64	9/32	39/64	5/8	.030
10A	JN-623140-1	•				•				.064-.081	17/64	19/64	39/64	1/2	.030
10A	JN-623930-1	•			•					.082-.092	17/64	21/64	5/8	11/16	.030
10A	JN-623901-1	•			•					.062-.080	9/32	11/32	49/64	1/2	.030
10A	JN-628150-1	•			•					.055-.065	17/64	13/64	1/2	9/16	.030
10A	JN-628320-1 ^{3,4}	•				•				.307-.317	1/4	29/64	7/8	1/2	.030
10A	JN-628325-1 ^{3,4}	•				•				.375-.390	1/4	15/32	7/8	1/2	.030
10A	JN-623760-1 ³	•								.080-.100	7/32	1/2	25/32	5/8	.030
10A	JN-623010-1	•	•							.080-.105	7/32	1/2	51/64	5/8	.030
10A	JN-623708-1	•			•					.025-.040	1/4	9/16	31/32	1/2	.030
10A	JN-623707-1	•			•					.045-.062	1/4	9/16	31/32	1/2	.030
10A	JN-623325-1	•			•					.045-.062	5/16	9/16	31/32	1/2	.030
10B	JN-624225-1	•				•				.081-.093	1/4	9/32	19/32	1/2	.035
10B	JN-623900-1 ⁴	•			•					.110-.130	19/64	9/32	19/32	5/8	.030
10B	JN-624200-1	•			•					.032-.040	17/64	11/32	41/64	11/16	.030
12A	JN-625050-1	•				•				.065-.075	9/32	15/32	49/64	5/8	.035
1/4-20	JN-626555-1	•								.045-.055	11/32	5/16	45/64	1/2	.025
1/4-20	JN-626500-1	•			•					.045-.063	11/32	5/16	25/32	1/2	.025
1/4-20	JN-626650-1	•			•					.032-.040	11/32	15/32	29/32	9/16	.025
1/4-20	JN-626337-1	•			•					.025-.040	3/8	11/16	1-5/32	5/8	.025
1/4-20	JN-626338-1	•			•					.140-.187	5/16	25/32	1-19/64	5/8	.025
14A	JN-625460-1	•			•					.020-.036	9/32	9/32	5/8	3/4	.035
14A	JN-625560-1	•			•					.110-.150	3/8	3/8	25/32	3/4	.035
14A	JN-625400-1	•			•					.032-.040	11/32	15/32	7/8	9/16	.030
14A	JN-625100-1 ³	•								.100-.112	3/8	17/32	15/16	9/16	.035
14A	JN-625500-1	•			•					.040-.051	3/8	17/32	63/64	5/8	.030
1/4B	JN-629400-1	•			•					.030-.060	3/8	5/16	51/64	1/2	.035
5/16-10	JN-626750-1	•			•					.032-.064	7/16	1/2	1.0	5/8	.045
5/16-10	JN-626825-1	•			•					.075-.094	7/16	5/8	1-7/64	5/8	.045

- Notes:** 1. Turned up corner(s) on top leg.
 2. Wide range panel
 3. Square fold.

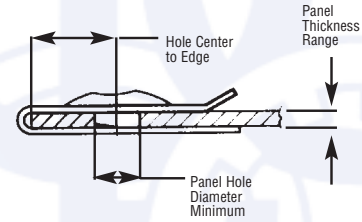
4. Prevailing torque.
 5. Up-turned barb on lower leg.

6. Full extrusion lower leg.
 7. Special; request blueprint

* See page 33 for "J" Nut Forms



U NUTS



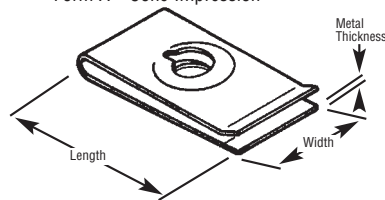
SCREW SIZE	WCL PRODUCT NUMBER	FORM									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	G	H	I							
6-32	UN-630140-1	•	•	•							.050-.062	11/64	5/32	3/8	5/16	.018
6-32	UN-630151-1	•						•			.110-.125	7/32	3/16	27/64	21/64	.018
6-32	UN-630190-1	•	•			•					.220-.250	11/64	11/64	3/8	5/16	.015
6-32	UN-630530-1 ^{3,5}	•	•							•	.281-MAX	5/32	9/32	29/64	11/32	.018
6A,B	UN-630510-1 ¹	•	•								.015-.031	3/16	3/16	3/8	5/16	.018
6A,B	UN-630525-1 ³	•	•								.062-.080	11/64	3/16	15/32	5/16	.020
6A,B	UN-637348-1 ⁷	•	•		•						.051-.064	17/64	3/16	15/32	1/2	.025
6A,B	UN-630700-1 ³	•						•			.107-.113	7/32	13/64	25/64	21/64	.025
6A,B	UN-630710-1 ^{3,7}	•		•				•			.107-.113	7/32	13/64	13/32	21/64	.025
6A,B	UN-630725-1	•		•							.062-.072	7/32	15/64	7/16	5/16	.025
6A,B	UN-630705-1 ³	•		•							.090-.100	7/32	15/64	27/64	5/16	.025
6A,B	UN-630540-1	•									.105-.125	7/32	13/64	27/64	5/16	.025
6A,B	UN-630505-1	•			•						.072-.092	17/64	1/4	17/32	1/2	.025
6A,B	UN-630242-1 ³	•	•			•					.135-.150	3/16	17/64	17/32	5/16	.025
6A,B	WN-637361-1 ²	•			•						.025-.150	9/32	17/64	21/32	5/8	.025
6A,B	WN-637362-1 ²	•			•						.090-.115	3/16	17/64	21/32	5/8	.025
6A,B	WN-637360-1 ²	•			•						.025-.150	3/16	17/64	49/64	35/64	.025
6A,B	UN-630541-1	•	•								.105-.125	7/32	13/64	27/64	5/16	.020
6A,B	UN-630255-1 ³	•	•								.185-.195	5/32	9/32	19/32	5/16	.020
6A,B	UN-630675-1	•									.040-.093	1/4	5/16	5/8	7/16	.020
6A,B	UN-630275-1	•									.062-.093	1/4	5/16	41/64	7/16	.020
6A,B	UN-630605-1	•									.025-.064	17/64	1/2	27/32	7/16	.025
6A,B	UN-630690-1	•	•			•					.135-.150	11/64	11/64	3/8	5/16	.018
8-32	UN-631025-1	•		•				•			.088-.098	7/32	11/64	27/64	13/32	.018
8-32	UN-631004-1	•		•							.075-.090	3/16	3/16	23/64	5/16	.018
8-32	UN-630990-1	•	•			•					.187-.250	3/16	17/64	31/64	5/16	.018
8-32	UN-630996-1 ³	•	•								.086-.096	3/16	13/64	1/2	7/16	.018
8A,B	UN-631353-1	•	•								.035-.050	1/4	5/32	29/64	7/16	.028
8A,B	UN-632005-1 ^{1,4}	•	•	•							.030-.040	3/16	5/32	11/32	5/16	.025
8A,B	UN-632030-1 ^{1,3}	•	•	•	•						.070-.100	3/16	5/32	3/8	7/16	.020
8A,B	UN-632000-1 ¹	•									.015-.030	7/32	3/16	25/64	5/16	.025
8A,B	UN-632012-1	•	•								.060-.090	17/64	3/16	7/16	9/16	.020
8A,B	UN-631070-1 ⁴	•	•		•			•	•		.060-.100	7/32	13/64	15/32	11/32	.020
8A,B	UN-631450-1	•			•						.040-.055	1/4	7/32	1/2	7/16	.025
8A,B	UN-631988-1 ^{3,7}	•	•								.080-.090	3/16	7/32	17/32	13/32	.028
8A,B	UN-631982-1	•			•						.025-.040	9/32	15/64	9/16	13/32	.025
8A,B	UN-632024-1	•									.020-.030	7/32	1/4	15/32	7/16	.020
8A,B	UN-632050-1	•			•						.020-.035	1/4	1/4	1/2	7/16	.025
8A,B	UN-632391-1 ³	•			•						.040-.062	7/32	1/4	37/64	7/16	.025
8A,B	UN-637815-1 ^{3,7}	•	•								.108-.197	1/4	17/64	5/8	7/16	.020
8A,B	WN-637829-1 ²	•			•						.025-.150	9/32	17/64	21/32	5/8	.025
8A,B	WN-637831-1 ²	•	•		•						.025-.150	3/16	17/64	21/32	5/8	.025
8A,B	WN-637826-1 ²	•	•		•						.080-.150	9/32	17/64	47/64	17/32	.028
8A,B	WN-637827-1 ³	•			•						.025-.150	7/32	17/64	49/64	35/64	.028

- Notes:** 1. Turned up corner(s) on top leg.
 2. Wide range panel.
 3. Square fold.

4. Prevailing torque.
 5. Up-turned barb on lower leg.
 6. Full extrusion lower leg.
 7. Special; request blueprint.

* See page 33 for "U" Nut Forms

Form A—Cone Impression



U NUTS

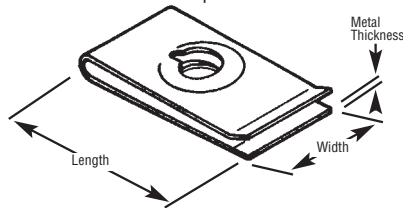
SCREW SIZE	WCL PRODUCT NUMBER	FORM									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	G	H	I							
8A,B	UN-631102-1 ^{1,3}	•	•	•							.110-.115	3/16	19/64	15/32	7/16	.025
8A,B	UN-631101-1 ^{1,3}	•	•	•				•			.110-.115	3/16	9/32	15/32	7/16	.025
8A,B	UN-633212-1 ^{3,5}	•	•		•				•		.080-.102	1/4	9/32	17/32	7/16	.020
8A,B	UN-637830-1 ^{1,3,7}	•		•		•					.021-.066	7/32	9/32	9/16	1/2	.025
8A,B	UN-637825-1 ^{1,7}	•		•		•					.027-.066	7/32	9/32	9/16	1/2	.025
8A,B	UN-631350-1	•									.024-.055	5/16	9/32	19/32	7/16	.020
8A,B	UN-631351-1	•									.025-.055	5/16	9/32	19/32	7/16	.020
8A,B	UN-631357-1 ³	•	•								.025-.075	1/4	9/32	5/8	7/16	.020
8A,B	UN-631358-1 ³	•						•			.025-.075	1/4	9/32	21/32	7/16	.020
8A,B	UN-631352-1	•			•						.025-.040	7/32	19/64	5/8	7/16	.028
8A,B	UN-632389-1	•									.085-.110	9/32	19/32	41/64	3/8	.025
8A,B	WN-637821-1 ^{2,3}	•	•		•						.125-.250	7/32	19/64	45/64	17/32	.025
8A,B	WN-637824-1 ^{3,7}	•	•		•			•	•		.025-.150	7/32	19/64	45/64	17/32	.025
8A,B	WN-637818-1 ^{2,3}	•	•		•						.025-.150	7/32	19/64	23/32	17/32	.025
8A,B	WN-637819-1 ^{2,3}	•	•		•						.025-.150	7/32	19/64	23/32	17/32	.025
8A,B	UN-632395-1	•									.040-.093	1/4	5/16	39/64	7/16	.025
8A,B	UN-637810-1 ³	•	•								.100-.145	1/4	5/16	5/8	7/16	.025
8A,B	UN-631700-1 ^{3,4}	•									.040-.120	1/4	5/16	41/64	3/8	.018
8A,B	UN-631709-1 ³	•									.100-.120	1/4	5/16	41/64	3/8	.020
8A,B	UN-632392-1	•	•		•		•	•			.020-.040	7/32	21/64	39/64	3/8	.030
8A,B	UN-632011-1	•	•			•		•			.085-.095	11/64	21/64	41/64	5/8	.025
8A,B	UN-632393-1	•									.085-.095	1/4	21/64	3/4	7/16	.025
8A,B	UN-631356-1	•									.045-.062	9/32	11/32	21/32	7/16	.020
8A,B	UN-631989-1 ^{3,7}	•	•								.025-.080	7/32	23/64	11/16	13/32	.028
8A,B	UN-632396-1 ⁵	•	•		•				•		.070-.120	7/32	23/64	45/64	5/8	.025
8A,B	UN-632403-1 ⁷	•									.060-.080	5/16	3/8	47/64	3/4	.028
8A,B	UN-631973-1 ³	•	•		•						.080-.105	7/32	25/64	11/16	5/8	.025
8A,B	UN-631631-1	•			•						.035-.060	1/4	13/32	23/32	5/8	.020
8A,B	UN-632394-1 ^{3,7}	•						•	•		.070-.090	1/4	7/16	45/64	7/16	.020
8A,B	UN-631105-1	•			•						.030-.050	7/32	7/16	49/64	7/16	.020
8A,B	UN-632010-1	•	•								.024-.055	1/4	33/64	29/32	5/8	.020
8A,B	WN-637828-1 ^{2,3}	•			•						.025-.150	7/32	1/2	63/64	17/32	.025
8A,B	UN-632400-1	•			•						.120-.140	17/64	17/32	29/32	5/8	.028
8A,B	UN-637862-1 ⁷	•	•	•		•	•	•			.170-.200	1/4	5/8	1-23/64	1/2	.030
10-24	UN-632615-1 ³	•	•					•			.085-.100	7/32	15/64	9/16	5/8	.022
10-24	UN-632623-1	•	•		•						.040-.060	1/4	17/64	9/16	5/8	.022
10-24	UN-632545-1 ³	•									.100-.120	9/32	17/64	5/8	7/16	.020
10-24	UN-632446-1	•			•						.024-.055	5/16	5/16	5/8	7/16	.020
10-24	UN-632575-1 ³	•				•					.032-.062	5/16	11/32	5/8	7/16	.020
10-24	UN-632751-1	•									.093-.125	9/32	7/16	13/16	7/16	.020
10-24	UN-632755-1 ³	•			•						.100-.125	9/32	29/64	7/8	7/16	.020
10-24	UN-632627-1 ⁶	•									.040-.062	5/16	1/2	27/32	7/16	.020
10-32	UN-632899-1	•			•						.024-.055	9/32	5/16	39/64	7/16	.020
10-32	UN-632897-1	•	•		•						.030-.040	9/32	5/16	39/64	7/16	.020
10-32	UN-632898-1 ³	•			•						.102-.025	9/32	25/64	25/32	7/16	.020
10-32	UN-632910-1	•	•								.020-.030	11/32	13/32	49/64	7/16	.020
10-32	UN-632900-1	•			•						.020-.040	9/32	7/16	49/64	7/16	.020
10-32	UN-632935-1 ³	•			•						.020-.080	9/32	7/16	25/32	7/16	.020

- Notes:** 1. Turned up corner(s) on top leg.
 2. Wide range panel.
 3. Square fold.

4. Prevailing torque.
 5. Up-turned barb on lower leg.
 6. Full extrusion lower leg.
 7. Special; request blueprint.

* See page 33 for "U" Nut Forms

Form A—Cone Impression



U NUTS

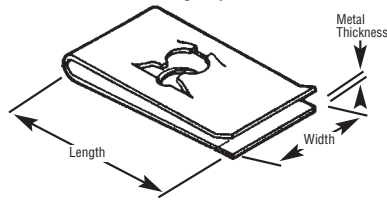
SCREW SIZE	WCL PRODUCT NUMBER	FORM									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	G	H	I							
10A	UN-633205-1	•									.024-.055	5/16	9/32	19/32	7/16	.020
10A	UN-633204-1 ³	•	•								.081-.105	9/32	9/32	5/8	7/16	.030
10A	UN-633420-1 ³	•									.080-.110	9/32	19/64	11/16	7/16	.020
10A	UN-633202-1	•	•								.025-.040	5/16	5/16	45/64	1/2	.025
10A	UN-633449-1	•	•								.020-.060	1/4	11/32	11/16	1/2	.028
10A	UN-633450-1 ⁷	•	•		•			•	•		.020-.060	1/4	11/32	11/16	1/2	.028
10A	UN-633440-1 ⁶	•									.093-.109	19/64	3/8	11/16	7/16	.025
10A	UN-633226-1 ⁷	•	•	•							.030-.050	1/4	13/32	11/16	7/16	.028
10A	UN-633175-1	•	•								.060-.075	1/4	13/32	47/64	7/16	.030
10A	UN-633470-1	•	•		•						.099-.109	9/32	13/32	11/16	5/8	.025
10A	UN-633280-1	•									.078-.094	9/32	1/2	31/32	1/2	.030
10A	WN-637856-1 ²	•	•					•			.025-.150	9/32	17/64	41/64	5/8	.030
10A	UN-637835-1 ^{3,7}	•									.230-.270	9/32	9/32	9/16	1/2	.030
10A,B	UN-633812-1	•						•			.050-.070	1/4	5/16	11/16	1/2	.030
10A,B	UN-637832-1	•		•				•			.031-.039	5/16	11/32	41/64	1/2	.030
10B	WN-637855-1 ²	•	•	•							.025-.150	9/32	17/64	11/16	5/8	.030
10B	WN-637874-1 ²	•	•								.025-.150	9/32	17/64	49/64	17/32	.030
10B	UN-634765-1	•	•								.109-.125	9/32	9/32	5/8	7/16	.030
10B	UN-634760-1	•			•						.109-.125	9/32	9/32	5/8	7/16	.030
10B	UN-633902-1	•	•								.050-.065	7/32	5/16	21/32	1/2	.030
10B	UN-633811-1 ³	•	•								.140-.160	1/4	21/64	19/32	5/8	.030
10B	UN-633430-1	•									.070-.100	7/32	11/32	43/64	7/16	.020
10B	UN-633825-1	•			•						.035-.075	5/16	11/32	47/64	1/2	.030
10B	UN-634770-1	•	•								.085-.130	7/32	11/32	43/64	7/16	.020
10B	UN-633830-1 ^{3,7}	•	•		•		•	•	•		.036-.056	7/32	11/32	3/4	7/16	.025
10B	UN-634730-1 ³	•			•						.030-.100	9/32	3/8	43/64	1/2	.030
10B	WN-634780-1 ²	•			•						.025-.150	9/32	3/8	13/16	5/8	.028
10B	UN-633832-1	•	•		•		•				.056-.083	1/4	13/32	3/4	1/2	.030
10B	WN-637840-1 ²	•			•						.025-.150	9/32	17/32	1.0	17/32	.028
10B	UN-634700-1	•									.078-.094	9/32	9/16	1.0	1/2	.020
10B	UN-633810-1 ^{3,7}	•			•			•	•		.055-.075	9/32	5/8	1.0	7/16	.030
10B	UN-633800-1	•			•						.025-.040	5/16	41/16	1-1/32	1/2	.025
10B	UN-634720-1	•	•		•						.070-.100	7/32	21/32	1.0	9/16	.030
10B	UN-634005-1 ⁷	•						•	•		.032-.046	9/32	7/8	1-11/64	7/16	.030
1/4-20	UN-635679-1	•	•	•				•			.065-.075	17/64	7/32	5/8	3/4	.025
1/4-20	UN-635680-1	•	•								.050-.075	5/16	9/32	3/4	1/2	.025
14A	UN-635500-1	•			•						.028-.056	5/16	3/8	55/64	9/16	.035
14A	UN-635543-1	•				•					.028-.087	5/16	3/8	15/16	9/16	.035
14A	UN-635544-1	•				•					.028-.087	5/16	3/8	15/16	9/16	.035
1/4B	WN-637853-1 ²	•	•		•						.025-.150	9/32	17/64	5/8	5/8	.035
1/4B	WN-635575-1 ²	•	•		•		•	•			.035-.150	9/32	17/64	5/8	5/8	.035
1/4B	WN-637854-1 ²	•	•		•						.025-.150	9/32	5/16	45/64	5/8	.035
1/4B	UN-635005-1 ^{3,4}	•	•		•						.095-.125	17/64	5/16	13/16	1/2	.040
1/4B	UN-635554-1	•			•						.020-.050	13/32	15/32	15/16	9/16	.030
1/4B	UN-635555-1	•			•						.020-.050	13/32	15/32	15/16	9/16	.030
5/16-18	UN-637917-1	•									.060-.070	3/8	1/2	15/16	5/8	.025
5/16-10 ACME	UN-637998-1	•			•						.030-.060	7/16	9/16	1-5/64	5/8	.040

- Notes:**
1. Turned up corner(s) on top leg.
 2. Wide range panel.
 3. Square fold.
 4. Prevailing torque.

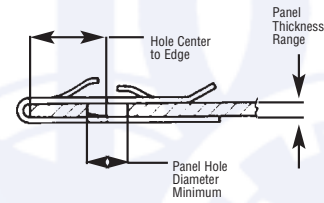
5. Up-turned barb on lower leg.
6. Full extrusion lower leg.
7. Special; request blueprint.

* See page 33 for "U" Nut Forms

Form A—Twin Prong Impression



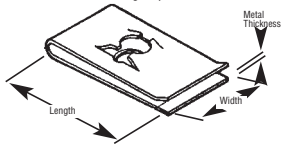
U NUTS



SCREW SIZE	WCL PRODUCT NUMBER	FORM*							PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G						
4B	UN-630050-1	•							.025-.032	5/32	3/16	3/8	5/16	.020
6-32	UN-630105-1	•	•	•					.035-.040	5/32	5/32	3/8	5/16	.018
6-32	UN-630110-1	•		•					.040-.051	9/32	5/32	23/64	5/16	.018
6-32	UN-630165-1	•	•	•					.035-.040	5/32	5/32	3/8	5/16	.018
6-32	UN-630114-1	•	•	•				•	.110-.125	5/32	11/64	23/64	1/2	.018
6-32	UN-630120-1	•	•						.110-.125	5/32	11/64	23/64	1/2	.018
6-32	UN-637165-1 ¹⁷	•							.032-.060	3/16	11/64	3/8	5/16	.018
6-32	UN-630125-1	•	•	•					.015-.025	3/16	3/16	3/8	5/16	.018
6-32	UN-637055-1	•			•			•	.072-.081	17/64	3/16	7/16	1/2	.018
6-32	UN-637220-1	•	•	•					.140-.156	5/32	3/16	27/64	9/32	.018
6-32	UN-637215-1	•		•					.140-.150	3/16	3/16	27/64	9/32	.018
6-32	UN-630172-1	•			•			•	.025-.040	3/16	7/32	31/64	1/2	.018
6-32	UN-630150-1	•			•				.025-.040	1/4	7/32	1/2	1/2	.018
6-32	UN-630171-1	•			•			•	.045-.062	3/16	7/32	31/64	1/2	.018
6-32	UN-630144-1	•				•			.110-.130	3/16	1/4	17/32	5/16	.018
6-32	UN-630146-1 ³⁶	•							.110-.130	3/16	1/4	17/32	5/16	.018
6-32	UN-630142-1	•				•			.135-.150	3/16	17/64	33/64	5/16	.018
6-32	UN-630155-1	•	•						.185-.195	5/32	9/32	19/32	5/16	.018
6-32	UN-630013-1	•				•			.045-.062	3/16	19/64	21/32	5/16	.018
6-32	UN-630145-1	•			•				.025-.040	3/16	15/32	13/16	5/16	.018
6-32	UN-630119-1	•				•			.025-.040	3/16	15/32	13/16	5/16	.018
6-32	UN-630116-1	•							.025-.040	3/16	31/64	53/64	5/16	.018
6A	UN-630500-1	•			•			•	.072-.092	17/64	3/16	7/16	1/2	.025
6A	UN-630205-1	•			•			•	.032-.040	1/4	7/32	29/64	1/2	.025
6A	UN-630210-1	•			•			•	.045-.062	3/16	7/32	15/32	1/2	.028
6A,B	UN-630273-1	•			•			•	.025-.040	3/16	7/32	31/64	1/2	.025
6A,B	UN-630270-1	•			•			•	.040-.026	3/16	7/32	15/32	1/2	.025
6A,B	UN-630501-1	•			•			•	.025-.040	3/16	19/64	41/64	5/16	.025
6A,B	UN-630215-1 ¹	•	•		•			•	.032-.064	7/32	5/16	17/32	1/2	.025
6A,B	UN-630218-1	•				•			.025-.040	3/16	15/32	13/16	5/16	.025
6A,B	UN-630217-1	•				•			.025-.040	3/16	15/32	13/16	5/16	.025
6B	UN-630601-1	•				•			.051-.064	17/64	3/16	15/32	1/2	.025
6B	UN-630730-1	•			•			•	.051-.064	17/64	3/16	15/32	1/2	.025
8-32	UN-631010-1	•		•					.051-.064	17/64	3/16	15/32	1/2	.025
8-32	UN-630995-1	•		•					.014-.020	7/32	3/16	3/8	5/16	.018
8-32	UN-631001-1	•		•					.025-.051	7/32	3/16	3/8	5/16	.018
8-32	UN-631005-1	•			•			•	.072-.081	17/64	3/16	7/16	1/2	.018
8-32	UN-631017-1	•							.031-.051	7/32	1/4	17/32	7/16	.018
8-32	UN-631002-1	•			•			•	.030-.065	13/64	13/64	33/64	1/2	.018
8-32	UN-631015-1	•			•			•	.010-.040	1/4	7/32	29/64	1/2	.018
8-32	UN-631073-1	•			•			•	.025-.040	7/32	15/64	17/32	1/2	.018
8-32	UN-630997-1	•			•			•	.025-.040	7/32	15/64	17/32	1/2	.025
8-32	UN-631016-1	•			•			•	.017-.040	7/32	15/64	33/64	1/2	.018
8-32	UN-631071-1	•			•			•	.045-.062	7/32	15/64	17/32	1/2	.018
8-32	UN-630998-1	•							.050-.066	7/32	17/64	35/64	5/16	.018
8-32	UN-631020-1 ³	•		•				•	.088-.098	7/32	5/16	43/64	13/32	.018
6-32	UN-631011-1	•			•				.045-.062	7/32	21/64	43/64	13/32	.018
8-32	UN-631055-1	•			•				.100-.125	9/32	7/16	53/64	7/16	.020
8-32	UN-631003-1 ³	•						•	.037-.094	15/64	15/32	49/64	1/2	.018
8-32	UN-631012-1	•				•			.045-.062	7/32	33/64	7/8	13/32	.018
8-32	UN-631062-1	•				•			.025-.040	7/32	33/64	7/8	13/32	.018

* See page 33 for "U" Nut Forms

See page 45 for footnotes

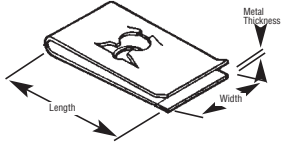


U NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H	I						
8A,B	UN-631110-1 ³	•	•								.090-.098	7/32	5/32	23/64	5/16	.025
8A,B	UN-631120-1	•			•	•					.040-.050	7/32	5/32	29/64	1/2	.028
8A,B	UN-632021-1 ³	•			•	•					.072-.092	17/64	3/16	7/16	1/2	.028
8A,B	UN-631625-1	•			•	•					.072-.081	17/64	3/16	29/64	1/2	.025
8A,B	UN-631975-1	•			•	•					.025-.040	7/32	3/16	33/64	1/2	.028
8A,B	UN-631974-1 ⁵	•			•	•			•		.025-.040	7/32	3/16	33/64	1/2	.028
8A,B	UN-631335-1	•			•	•					.045-.062	9/32	3/16	33/64	1/2	.028
8A,B	UN-631691-1	•	•		•	•					.115-.130	3/16	3/16	21/32	5/8	.028
8A,B	UN-632020-1	•	•		•	•					.030-.045	11/64	7/32	7/16	1/2	.028
8A,B	UN-632060-1	•			•	•					.030-.040	1/4	7/32	15/32	1/2	.028
8A,B	UN-631100-1 ³	•				•	•				.035-.050	17/64	7/32	29/64	1/2	.028
8A,B	UN-631099-1	•	•			•	•				.028-.040	17/64	7/32	15/32	1/2	.020
8A,B	UN-637801-1	•		•	•	•					.035-.045	1/4	7/32	17/32	1/2	.028
8A,B	UN-631972-1	•			•	•					.045-.062	7/32	15/64	17/32	1/2	.028
8A,B	UN-637802-1	•		•	•	•					.060-.070	1/4	15/64	33/64	1/2	.028
8A,B	UN-631976-1	•									.115-.140	13/64	15/64	5/8	7/16	.025
8A,B	UN-632018-1	•			•	•					.017-.031	9/32	1/4	7/16	1/2	.028
8A,B	UN-632019-1	•			•						.020-.060	9/32	1/4	7/16	1/2	.028
8A,B	UN-632015-1	•			•	•					.032-.050	9/32	1/4	29/64	1/2	.028
8A,B	UN-631600-1	•		•							.057-.062	1/4	1/4	33/64	5/16	.025
8A,B	UN-631605-1 ¹	•									.057-.062	13/64	1/4	33/64	5/16	.025
8A,B	UN-631986-1 ⁵	•	•		•				•		.070-.090	17/64	1/4	39/64	7/16	.028
8A,B	UN-631402-1	•			•						.025-.055	1/4	1/4	5/8	7/16	.025
8A,B	UN-632025-1 ⁵	•	•					•			.035-.045	3/16	17/64	15/32	1/2	.028
8A,B	UN-631977-1 ³	•	•								.062-.140	3/16	9/32	5/8	7/16	.025
8A,B	UN-631360-1	•			•						.062-.140	7/32	9/32	41/64	7/16	.025
8A,B	UN-631337-1	•				•					.045-.062	9/32	9/32	43/64	13/32	.028
8A,B	UN-631514-1 ³	•			•						.050-.090	1/4	19/64	19/32	7/16	.028
8A,B	UN-631401-1 ³	•			•						.037-.075	1/4	19/64	5/8	7/16	.028
8A,B	UN-632385-1 ^{3,4}	•	•								.180-.220	1/4	19/64	21/32	7/16	.028
8A,B	UN-631354-1	•			•						.040-.055	1/4	19/64	41/64	7/16	.028
8A,B	UN-631500-1 ³	•	•		•	•					.037-.081	3/16	5/16	5/8	9/16	.020
8A,B	UN-631981-1 ⁴	•				•			•		.032-.038	9/32	5/16	11/16	13/32	.028
8A,B	UN-632023-1 ⁵	•	•		•			•	•		.025-.040	7/32	21/64	19/32	3/8	.025
8A,B	UN-631980-1	•				•					.040-.050	7/32	21/64	11/16	5/16	.028
8A,B	UN-631983-1	•				•					.025-.040	7/32	21/64	11/16	13/32	.028
8A,B	UN-631984-1 ³	•	•		•						.015-.090	11/64	21/64	47/64	7/16	.025
8A,B	UN-631532-1	•			•						.055-.080	9/32	13/32	23/32	7/16	.028
8A,B	UN-631979-1	•			•	•					.102-.125	9/32	13/32	11/16	5/8	.028
8A,B	UN-631978-1 ³	•			•	•					.030-.125	9/32	13/32	45/64	5/8	.028
8A,B	UN-632390-1	•			•	•					.064-.093	9/32	7/16	45/64	5/8	.028
8A,B	UN-631400-1	•				•					.025-.075	7/32	15/32	7/8	13/32	.028
8A,B	UN-632397-1	•			•						.025-.064	9/32	1/2	53/64	7/16	.028
8A,B	UN-631160-1	•				•					.025-.040	7/32	33/64	55/64	13/32	.028
8A,B	UN-631161-1	•				•					.045-.062	7/32	33/64	55/64	13/32	.028
8A,B	UN-637820-1 ^{3,7}	•	•						•		.170-.187	7/32	35/64	7/8	5/8	.030
8A,B	UN-632399-1 ³	•									.156-.187	9/32	3/4	1-1/8	7/16	.028
8A,B	UN-631115-1	•									.062-.094	9/32	53/64	1-7/32	7/16	.028
10-24	UN-632610-1	•			•	•					.036-.050	9/32	1/4	29/64	1/2	.020
10-24	UN-632449-1 ¹	•	•		•	•					.025-.032	9/32	1/4	1/2	1/2	.020
10-24	UN-632450-1 ¹	•			•	•					.025-.032	9/32	1/4	1/2	1/2	.020
10-24	UN-632460-1	•			•	•					.025-.040	1/4	1/4	37/64	5/8	.020
10-24	UN-632470-1	•	•								.115-.130	7/32	1/4	5/8	7/16	.020
10-24	UN-632540-1	•	•								.025-.094	7/32	5/16	5/8	7/16	.020
10-24	UN-632542-1	•	•								.025-.094	1/4	5/16	5/8	7/16	.020
10-24	UN-632501-1	•	•								.025-.062	7/32	5/16	21/32	7/16	.020
10-24	UN-632500-1	•	•		•						.025-.062	7/32	5/16	41/64	7/16	.020

* See page 33 for "U" Nut Forms

See page 45 for footnotes



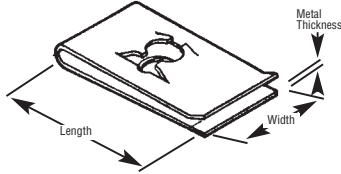
U NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*								PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H						
10-24	UN-632510-1	•			•					.025-.080	5/16	5/16	5/8	7/16	.020
10-24	UN-632511-1	•								.025-.080	5/16	5/16	41/64	7/16	.020
10-24	UN-632505-1 ⁶	•			•					.025-.062	5/16	5/16	41/64	7/16	.020
10-24	UN-632506-1 ⁶	•			•					.025-.081	5/16	5/16	21/32	7/16	.020
10-24	UN-632625-1	•				•				.045-.062	1/4	23/64	3/4	3/8	.020
10-24	UN-632465-1	•			•					.050-.078	9/32	7/16	23/32	5/8	.025
10-24	UN-632750-1	•			•					.093-.125	7/32	7/16	13/16	7/16	.020
10-24	UN-632516-1	•			•					.025-.064	9/32	1/2	27/32	7/16	.020
10-24	UN-632512-1	•	•		•					.025-.064	9/32	1/2	27/32	7/16	.020
10-24	UN-632581-1	•				•				.025-.040	1/4	9/16	61/64	3/8	.022
10-24	UN-632580-1	•				•				.045-.062	1/4	9/16	61/64	3/8	.020
10-24	UN-632700-1	•								.156-.187	9/32	3/4	1-1/8	7/16	.020
10-32	UN-632760-1	•	•		•					.055-.065	7/32	15/64	7/16	1/2	.020
10-32	UN-632805-1	•	•							.062-.094	7/32	19/64	5/8	7/16	.018
10-32	UN-632765-1	•	•							.025-.064	7/32	1/2	27/32	7/16	.018
10A	UN-633299-1	•	•							.051-.064	9/32	7/32	15/32	1/2	.030
10A	UN-633300-1	•			•	•				.051-.064	9/32	15/64	15/32	1/2	.030
10A	UN-633177-1	•			•	•				.023-.050	9/32	1/4	15/32	1/2	.030
10A	UN-632461-1	•			•	•				.025-.040	1/4	1/4	9/16	5/8	.030
10A	UN-633271-1	•			•	•				.045-.062	1/4	1/4	9/16	5/8	.022
10A	UN-633270-1	•			•	•				.045-.062	1/4	1/4	9/16	5/8	.030
10A	UN-633206-1 ⁶	•			•	•				.025-.081	5/16	9/32	5/8	7/16	.028
10A	UN-633207-1	•	•							.030-.081	1/4	9/32	5/8	7/16	.030
10A	UN-633100-1 ³	•			•					.081-.094	9/32	9/32	5/8	7/16	.030
10A	UN-633216-1	•	•		•					.037-.064	7/32	19/64	37/64	7/16	.030
10A	UN-633217-1 ^{3,4}	•	•							.180-.220	1/4	19/64	5/8	7/16	.035
10A	UN-633201-1	•								.037-.064	9/32	19/64	41/64	7/16	.030
10A	UN-633190-1	•	•			•	•	•		.040-.050	7/32	21/64	19/32	5/8	.030
10A	UN-633209-1	•	•		•					.025-.064	7/32	11/32	23/32	1/2	.030
10A	UN-633200-1	•				•				.025-.062	1/4	23/64	3/4	1/2	.030
10A	UN-633220-1 ⁶	•				•				.093-.109	9/32	13/32	11/16	5/8	.028
10A	UN-633290-1	•			•	•				.102-.125	9/32	13/32	45/64	5/8	.030
10A	UN-633471-1	•	•		•	•				.102-.125	7/32	13/32	11/16	5/8	.030
10A	UN-633203-1	•			•	•	•			.064-.093	9/32	7/16	11/16	5/8	.030
10A	UN-633170-1	•			•	•				.020-.051	9/32	29/64	45/64	5/8	.030
10A	UN-633210-1	•			•					.025-.064	9/32	1/2	53/64	7/16	.030
10A	UN-633208-1	•			•					.025-.062	1/4	33/64	61/64	1/2	.030
10A	UN-633185-1	•			•					.025-.040	1/4	33/64	61/64	1/2	.030
10A	UN-633230-1 ³	•			•					.120-.140	17/64	17/32	29/32	5/8	.030
10A	UN-633583-1	•			•					.025-.040	1/4	9/16	61/64	1/2	.030
10A	UN-633582-1	•			•					.045-.062	1/4	9/16	61/64	1/2	.030
10A	UN-633125-1	•			•					.040-.064	9/32	9/16	7/8	5/8	.030
10A,B	UN-634740-1	•			•			•		.034-.047	1/4	3/8	3/4	1/2	.030
10B	UN-633903-1 ³	•	•		•	•				.050-.070	7/32	3/16	27/64	1/2	.030
10B	UN-634000-1	•			•	•				.036-.050	9/32	1/4	7/16	1/2	.030
10B	UN-634001-1	•			•	•				.036-.060	9/32	1/4	7/16	1/2	.030
10B	UN-634401-1 ³	•			•					.030-.064	9/32	9/32	39/64	7/16	.030
10B	UN-633809-1	•	•							.109-.125	9/32	9/32	5/8	7/16	.030
10B	UN-633815-1	•			•					.081-.094	9/32	9/32	5/8	7/16	.030
10B	UN-634725-1 ³	•			•					.125-.160	9/32	9/32	41/64	7/16	.030
10B	UN-634715-1 ³	•			•	•				.080-.100	9/32	5/16	19/32	5/8	.030
10B	UN-633820-1	•	•		•					.032-.064	7/32	11/32	23/32	1/2	.030
10B	UN-634050-1	•	•							.040-.094	7/32	11/32	47/64	7/16	.030
10B	UN-633815-1	•			•	•				.102-.125	9/32	13/32	45/64	5/8	.030
10B	UN-634718-1 ³	•			•	•				.064-.093	9/32	7/16	23/32	5/8	.030
10B	UN-634705-1	•								.078-.094	9/32	9/16	63/64	1/2	.028
10B	UN-633840-1	•								.156-.187	9/32	3/4	1-7/64	7/16	.030

* See page 33 for "U" Nut Forms

See page 45 for footnotes

Form A—Twin Prong Impression

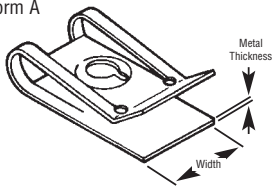


U NUTS

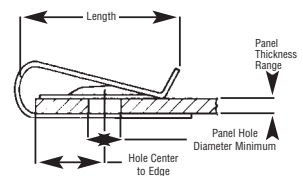
SCREW SIZE	WCL PRODUCT NUMBER	FORM*						PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F						
12-24	UN-635625-1	•				•		.070-.080	5/16	11/32	5/8	5/8	.022
12A	UN-635505-1	•				•	•	.043-.060	5/16	21/64	5/8	5/8	.028
12A	UN-635502-1	•				•	•	.043-.060	5/16	11/32	5/8	5/8	.028
1/4-20	UN-637000-1 ³	•	•				•	.180-.190	9/32	5/16	5/8	11/16	.025
1/4-20	UN-635635-1	•						.051-.109	23/64	5/16	25/32	1/2	.025
1/4-20	UN-635610-1 ^{3,6}	•						.051-.109	11/32	5/16	51/64	1/2	.025
1/4-20	UN-635585-1	•			•			.051-.109	23/64	5/16	13/16	1/2	.025
1/4-20	UN-635590-1 ³	•						.310-.328	5/16	5/16	27/32	1/2	.025
1/4-20	UN-635605-1	•						.093-.125	3/8	7/16	57/64	1/2	.025
1/4-20	UN-635615-1 ³	•	•					.035-.150	9/32	1/2	29/32	1/2	.025
1/4-20	UN-635602-1	•	•					.035-.125	9/32	1/2	15/16	1/2	.025
1/4-20	UN-635600-1 ³	•						.064-.125	11/32	1/2	63/64	1/2	.025
1/4-20	UN-635583-1 ¹	•		•				.025-.080	5/16	23/32	1-1/6	35/64	.025
1/4-20	UN-635584-1 ¹	•						.070-.140	5/16	23/32	1-5/64	9/16	.025
1/4-20	UN-635620-1	•	•		•	•		.032-.156	9/32	15/16	1-1/4	5/8	.025
1/4-20	UN-635630-1	•			•	•		.060-.156	11/32	15/16	1-1/4	5/8	.025
14A	UN-635510-1	•						.032-.095	23/64	5/16	25/32	1/2	.030
14A	UN-635509-1	•						.032-.051	23/64	3/8	13/16	1/2	.035
14A	UN-635545-1	•	•					.062-.125	9/32	1/2	31/32	1/2	.035
14A	UN-635548-1 ³	•			•			.090-.140	3/8	11/16	1-1/4	5/8	.035
1/4B	UN-635570-1	•						.051-.109	23/64	5/16	25/32	1/2	.030
1/4B	UN-635571-1	•						.051-.109	23/64	5/16	25/32	1/2	.040
1/4B	UN-635010-1 ^{3,4}	•	•					.095-.125	9/32	5/16	13/16	1/2	.040
1/4B	UN-635513-1	•						.035-.065	11/32	1/2	31/32	1/2	.025
1/4B	UN-635511-1	•	•					.062-.125	9/32	1/2	31/32	1/2	.035
1/4B	UN-635512-1	•						.064-.125	11/32	1/2	31/32	1/2	.035
1/4B	UN-635573-1 ^{1,3}	•		•	•		•	.050-.070	23/64	15/16	1-9/32	3/4	.040
1/4B	UN-635572-1 ^{3,7}	•	•	•		•	•	.062-.125	9/32	15/16	1-9/32	3/4	.040
5/16-18	UN-637914-1 ^{1,3}	•		•				.075-.100	3/8	9/16	1-3/64	5/8	.028
5/16-18	UN-637916-1 ³	•						.112-.140	3/8	9/16	1-3/64	5/8	.028
5/16-18	UN-637920-1 ¹	•	•					.039-.045	3/8	9/16	1-1/16	5/8	.028

- Footnotes:**
1. Turned up corner(s) on top leg.
 2. Wide range panel.
 3. Square fold.
 4. Prevailing torque.
 5. Up-turned barb on lower leg.
 6. Full extrusion lower leg.
 7. Special; request blueprint.

Form A



WIDE RANGE PANEL NUTS

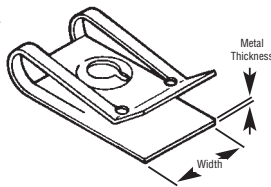


SCREW SIZE	WCL PRODUCT NUMBER	FORM*									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H	I						
6B	WN-637361-1	•			•						.025-.150	9/32	17/64	21/32	5/8	.025
6B	WN-637362-1	•			•						.090-.115	3/16	17/64	21/32	5/8	.025
6B	WN-637360-1	•			•						.025-.150	3/16	17/64	49/64	35/64	.025
8A,B	WN-627899-1 ²	•			•						.020-.060	17/64	15/64	33/64	35/64	.028
8A,B	WN-637829-1	•			•						.025-.150	9/32	17/64	21/32	5/8	.025
8A,B	WN-637831-1	•	•		•						.025-.150	3/16	17/64	21/32	5/8	.025
8A,B	WN-637826-1	•	•		•						.080-.150	9/32	17/64	47/64	17/32	.025

* See page 33 for "U" Nut Forms

See page 45 for footnotes

Form A



WIDE RANGE PANEL NUTS

SCREW SIZE	WCL PRODUCT NUMBER	FORM*									PANEL THICKNESS RANGE	PANEL HOLE DIAMETER MINIMUM	HOLE CENTER TO EDGE	UPPER LEG LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G	H	I						
8A,B	WN-637827-1	•			•						.025-.150	7/32	17/64	49/64	35/64	.028
8A,B	WN-637821-1 ^{3,7}	•	•		•						.125-.250	7/32	19/64	45/64	17/32	.025
8A,B	WN-637824-1 ⁷	•	•		•					•	.025-.150	7/32	19/64	45/64	17/32	.025
8A,B	WN-637818-1 ^{3,7}	•	•		•						.025-.150	7/32	19/64	23/32	17/32	.025
8A,B	WN-637819-1 ^{3,7}	•	•		•						.025-.150	7/32	19/64	23/32	17/32	.025
8A,B	WN-637828-1 ^{3,7}	•			•						.025-.150	7/32	1/2	63/64	35/64	.025
10B	WN-637856-1	•			•					•	.025-.150	9/32	17/64	41/64	5/8	.030
10B	WN-637855-1	•	•		•						.025-.150	9/32	17/64	11/16	5/8	.030
10B	WN-637874-1 ³	•			•						.025-.150	9/32	17/64	49/64	17/32	.030
10B	WN-634780-1	•			•						.025-.150	9/32	3/8	13/16	5/8	.028
10B	WN-637840-1	•			•						.025-.150	9/32	17/32	1.0	17/32	.028
1/4B	WN-637853-1	•	•		•						.025-.150	9/32	17/64	5/8	5/8	.035
1/4B	WN-635575-1	•	•		•			•	•		.035-.150	9/32	17/64	5/8	5/8	.035
1/4B	WN-637854-1	•	•		•						.025-.150	9/32	5/16	45/64	5/8	.035

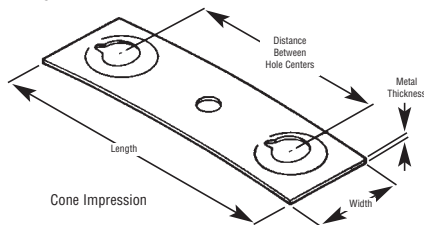
* See page 33 for "J" and "U" Nut Forms

- Notes: 2. "J" style nuts
- 3. Square fold.

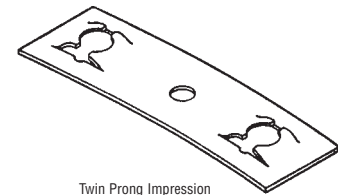
7. Special; request blueprint

DOUBLE NUTS

Form 1

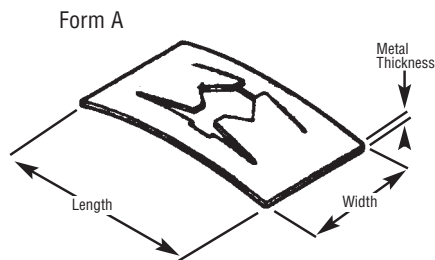


Form 2



SCREW SIZE	WCL PRODUCT NUMBER	FORM	CENTER PILOT HOLE	LENGTH	DISTANCE BETWEEN HOLE CENTERS	WIDTH	METAL THICKNESS	STYLE
6-32	DN-645210-1	2	•	1-1/4	5/8	3/8	.018	Bowed; turned up ends
6A,B	DN-645215-1	2	•	1-1/2	7/8	3/8	.028	Bowed; turned up ends
6A,B	DN-645650-1	1	•	2-1/8	1-1/2	7/16	.025	Bowed
8-32	DN-645710-1	2	•	1-1/8	1/2	3/8	.018	Bowed; turned up ends
8-32	DN-645700-1	2	•	1-3/8	3/4	3/8	.018	Bowed; turned up ends
8A,B	DN-645780-1	1		1-13/32	3/4	7/16	.020	Flat
8A,B	DN-645725-1	2	•	1-1/2	7/8	3/8	.028	Bowed; center, flat ends
8A,B	DN-645735-1	1	•	1-5/8	1.0	35/64	.028	Flat
8A,B	DN-645730-1	2		1-5/8	1.0	9/16	.028	Flat
8A,B	DN-645790-1	2		1-11/16	1-1/4	5/16	.028	Flat
8A,B	DN-645720-1	2	•	2-5/32	1-1/2	3/8	.028	Flat center, bowed ends
10-24	DN-645820-1	1	•	1-7/16	11/16	7/16	.020	Bowed
10-32	DN-646020-1	1		1-1/4	5/8	1/2	.020	Flat
10A	DN-645810-1	2	•	1-1/4	5/8	1/2	.030	Bowed; turned up ends
10A	DN-646400-1	2	•	1-3/8	3/4	1/2	.030	Bowed; turned up ends
10B	DN-645745-1	1	•	1-5/8	1.0	35/64	.028	Flat
10B	DN-645740-1	2		1-5/8	1.0	35/64	.028	Flat
10B	DN-646440-1	1	•	1-3/4	1.0	7/16	.020	Bowed
1/4B	DN-646876-1	1	•	1-3/8	3/4	5/8	.035	Flat, turned down corners

RECTANGULAR PUSH-ON NUTS

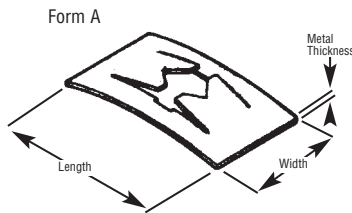


STUD SIZE	WCL PRODUCT NUMBER	FORM							LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G			
1/16	PO-650375-1	•	•						25/64	3/16	.012
1/16	PO-650400-1	•							25/64	7/32	.012
1/16	PO-650402-1	•							25/64	7/32	.018
1/16	PO-650350-1 ⁷	•			•				5/8	3/8	.015
.070	PO-650401-1	•							7/8	5/16	.015
5/64	PO-658525-1 ¹							•	35/64	9/32	.012
.080x.250	PO-658320-1	•							5/8	1/4	.012
.080x.720	PO-659850-1	•						•	1-1/4	9/16	.018
.081	PO-650500-1	•	•						25/64	7/32	.018
.081	PO-650850-1	•		•		•			25/64	7/32	.018
3/32	PO-650896-1	•							29/64	15/64	.012
3/32	PO-650897-1	•							29/64	15/64	.015
3/32	PO-650900-1	•							29/64	15/64	.018
3/32	PO-650925-1	•		•		•			51/64	11/32	.012
3/32x5/16	PO-659145-1 ¹								15/16	1-1/8	.015
.100	PO-651002-1	•	•						29/64	15/64	.015
.100	PO-651050-1	•	•						37/64	1/4	.015
.102	PO-651000-1	•	•						29/64	15/64	.015
.107	PO-651001-1	•	•						29/64	15/64	.015
1/8	PO-651410-1	•	•						5/16	1/4	.012
1/8	PO-651415-1	•	•						5/16	1/4	.015
1/8	PO-651400-1	•	•						37/64	1/4	.015
1/8	PO-651455-1 ⁵	•							37/64	5/16	.018
1/8	PO-658300-1 ¹	•							9/16	5/16	.012
1/8	PO-651450-1 ²	•							37/64	11/32	.012
1/8	PO-651500-1	•							29/32	1/2	.015
1/8	PO-658500-1 ¹							•	43/64	3/8	.012
5/32	PO-650365-1	•							9/16	3/8	.012
5/32	PO-650360-1 ⁹	•			•				9/16	3/8	.015
5/32	PO-650361-1 ⁹	•			•				9/16	3/8	.012
11/64	PO-652500-1	•	•						5/8	3/8	.015
3/16	PO-652700-1	•		•					5/8	3/8	.015
3/16	PO-652701-1	•		•					5/8	3/8	.022
3/16	PO-652900-1 ³	•			•				5/8	3/8	.015
1/4	PO-653399-1	•							5/8	7/16	.010
1/4	PO-653400-1	•							5/8	7/16	.010
1/4	PO-653445-1 ⁸	•							41/64	7/16	.018
1/4	PO-653410-1	•	•						63/64	5/8	.018
1/4	PO-653425-1	•	•					•	1.0	9/16	.012
.271	PO-653500-1	•	•						5/8	7/16	.012
.308	PO-653550-1	•	•						5/8	1/2	.012
5/16	PO-653525-1	•	•			•			1.0	11/16	.018
.365	PO-653555-1	•	•						5/8	1/2	.012
7/16	PO-659650-1 ¹	•	•						59/64	11/16	.015
7/16	PO-654425-1 ¹	•		•					1-15/64	7/8	.020
.440	PO-654100-1	•	•						1-1/4	7/8	.015
29/64	PO-659640-1 ¹	•	•						59/64	11/16	.018
31/64	PO-659475-1	•	•			•			59/64	3/4	.012
1/2	PO-654105-1	•	•						1-1/4	7/8	.020

* See page 33 for Push-On Nut Forms

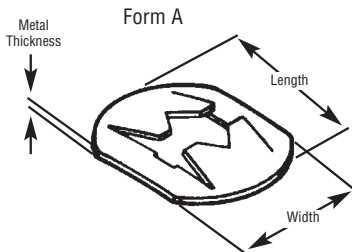
See page 48 for footnotes

RECTANGLE PUSH-ON NUTS



STUD SIZE	WCL PRODUCT NUMBER	FORM							LENGTH	WIDTH	METAL THICKNESS
		A	B	C	D	E	F	G			
Double D	PO-659140-1 ¹	•	•						1-1/2	7/8	.015
.600	PO-654450-1	•	•						1.0	13/16	.018
5/8	PO-654500-1	•	•						1.0	13/16	.018
5/8	PO-654501-1	•	•						1.0	13/16	.022
41/64	PO-654510-1	•	•						1.0	13/16	.018
23/32	PO-654520-1	•	•						1-31/64	1.25	.015

- Notes:**
1. Special; request blueprint.
 2. Also fits 1/8 x 1/16 rectangular
 3. Also fits 3/16 x .150 and 3/16 x .130 "D" studs.
 4. Also fits 1/8 x .100 "D" stud.
 5. Also fits 1/8 x .100 "D" stud.
 6. Also fits 1/16 x 7/32 rectangular stud.
 7. Also fits 1/16 x 7/32 rectangular stud.
 8. Also fits .250 x .187 "D" stud.
 9. Also fits .156 x .125 "D" stud.



ROUND PUSH-ON NUTS

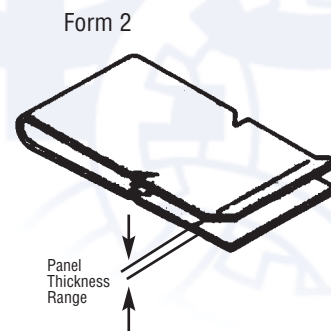
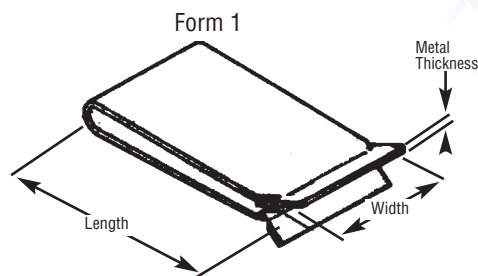
STUD SIZE	WCL PRODUCT NUMBER	FORM*						DIAMETER	WIDTH	METAL THICKNESS
		A	B	C	D	E	F			
.050	PO-659150-1 ¹	•			•			3/8	11/32	.012
1/16	PO-658947-1 ²	•			•			1/2	—	.012
3/32	PO-659151-1 ¹	•			•			3/8	11/32	.012
3/32	PO-655125-1	•	•					3/8	11/32	.012
.102	PO-655100-1	•						9/32	—	.012
.107	PO-655920-1	•	•					3/8	11/32	.012
.122	PO-655950-1	•	•					3/8	11/32	.012
1/8	PO-656000-1	•	•					3/8	11/32	.012
1/8	PO-656010-1	•	•					1/2	—	.018
.148	PO-656005-1		•					3/8	11/32	.012
.152	PO-656250-1	•	•					3/8	11/32	.012
5/32	PO-656015-1 ^{3,4}						•	5/16	—	.012
.164	PO-656300-1	•	•					3/8	11/32	.012
.175	PO-656325-1	•	•					9/16	—	.012
3/16	PO-656440-1	•	•					1/2	—	.012
3/16	PO-656442-1	•	•					1/2	—	.015
7/32	PO-656800-1	•	•					1/2	—	.012
.225	PO-656450-1	•	•					9/16	—	.018
.235	PO-656850-1	•	•					9/16	7/16	.012
1/4	PO-656900-1	•	•					9/16	—	.012
1/4	PO-656910-1	•						13/16	9/16	.022
9/32	PO-657000-1	•	•				•	7/8	—	.022
5/16	PO-657075-1	•		•				3/4	5/8	.018
5/16	PO-657027-1	•	•				•	7/8	—	.012
5/16	PO-657029-1	•	•				•	7/8	—	.018
11/32	PO-657100-1 ³	•	•				•	7/8	—	.018
3/8	PO-659149-1	•	•				•	7/8	—	.018
.472	PO-659460-1	•		•				29/32	5/8	.012

- Notes:**
1. Also fits rectangular stud size .050 x .200
 2. Also fits rectangular stud size 3/64 x 3/16
 3. Special; request blueprint
 4. Spherical shape

* See page 33 for Push-On Nut Forms

U CLIPS

All U-Clips are specials.
Consult WCL
engineering for your
requirements.



WCL PRODUCT NUMBER	FORM		PANEL THICKNESS RANGE	LENGTH	WIDTH	METAL THICKNESS	LIP HEIGHT
	1	2					
UC-685015-1		•	.015-.025	3/8	3/4	.018	5/16
UC-685058-1		•	.025-.094	29/64	1/4	.020	1/8
UC-685075-1		•	.025-.070	23/64	1/2	.018	1/16
UC-685013-1		•	.025-.070	13/16	1/2	.025	1/8
UC-685065-1		•	.025-.070	13/16	1/2	.035	1/8
UC-685061-1		•	.030-.060	25/32	9/16	.022	1/8
UC-685068-1		•	.040-.060	3/8	1/4	.018	1/16
UC-685086-1 ¹	•		.040-.090	11/32	1/2	.015	3/64
UC-685063-1	•		.040-.125	9/16	1-1/4	.015	—
UC-685031-1		•	.050-.094	7/16	1/4	.015	1/32
UC-685079-1		•	.050-.085	5/8	7/16	.020	3/32
UC-685005-1	•		.060-.090	11/32	1/2	.015	3/64
UC-685009-1		•	.060-.090	11/32	1/2	.015	1/32
UC-685075-1		•	.060-.090	11/32	1/2	.018	1/32
UC-685020-1		•	.060-.090	11/32	1/2	.015	3/64
UC-685012-1		•	.060-.090	7/16	1/2	.015	5/32
UC-685082-1	•		.060-.125	13/16	9/16	.040	3/32
UC-685011-1		•	.070-.110	25/64	1/2	.020	3/16
UC-685067-1		•	.070-.090	13/16	1/2	.024	1/8
UC-685040-1		•	.075-.085	43/64	1/2	.025	—
UC-685085-1 ¹	•		.075-.105	1/4	1/2	.018	1/32
UC-685055-1		•	.080-.140	11/32	1/2	.015	1/16
UC-685025-1	•		.090-.110	13/32	1/2	.020	3/16
UC-685008-1	•		.090-.110	27/64	1/2	.020	11/64
UC-685072-1		•	.100-.140	1-3/64	3/4	.035	5/64
UC-685066-1	•		.100-.150	1/2	1/2	.018	3/64
UC-685073-1		•	.100-.150	3/4	7/16	.040	3/32
UC-685050-1	•		.115-.125	11/32	1/2	.015	1/16
UC-685051-1	•		.115-.185	27/64	1/2	.015	1/16
UC-695029-1		•	.130-.150	1-1/4	3/8	.040	5/32
UC-685054-1	•		.140-.190	27/64	1/2	.015	1/16
UC-685029-1	•		.140-.172	7/16	1/2	.015	1/16
UC-685014-1	•		.170-.205	7/16	1/2	.015	1/16
UC-685078-1	•		.250-.312	51/64	9/16	.045	3/32
UC-685060-1	•		.375-.425	17/64	5/16	.015	5/64
UC-685018-1		•	.600-.800	1-3/32	9/16	.030	3/32

Notes

¹ Has spring finger.