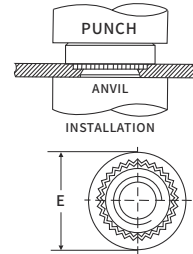
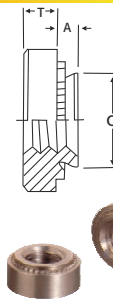


Fasteners for Metal Sheets and Panels Series

SELF-CLINCHING NUTS



Part Number Designation
JX-CLS - 440 - 2
 ↓ ↓ ↓
 Type Thread Shank
 Code Code Code
 Material:Stainless Steel

Part Number Designation
JX-S - 440 - 2 - ZI
 ↓ ↓ ↓ ↓
 Type Thread Shank Finish
 Code Code Code Code
 Material:Steel

Self-clinching nuts are installed by placing them in properly sized holes in sheets and applying a parallel squeezing force to the head of the nut. The sheet metal surrounding the head cold flows into an undercut, making the fastener an integral part of the sheet. A serrated clinching ring prevents the fastener from rotating after installation. Provide load-bearing threads in thin sheets with high pushout and torque-out resistance.

1. Type JX-CLA is recommended for use in steel or aluminum sheets HRB (Rockwell "B" scale) 50 or less and HB (Hardness Brinell) 82 or less.
2. Types CLS are recommended for use in steel or aluminum sheets HRB (Rockwell "B" scale) 70 or less and HB (Hardness Brinell) 125 or less.
3. Types JX-S are recommended for use in steel or aluminum sheets HRB (Rockwell "B" scale) 80 or less and HB (Hardness Brinell) 150 or less.
4. Type JX-SP is recommended for use in stainless steel sheets HRB (Rockwell "B" scale) 90 or less and HB (Hardness Brinell) 185 or less

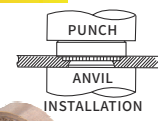
All dimensions are in inch

Thread Size	TYPE		Thread Code	Shank Code	A Max.	Min. Sheet Thickness	Hole Size in Sheet+.003	C Max.	E ±.01	T ±.004
	Steel	Stainless Steel								
.086-56 (#2-56)	JX-S	JX-CLS	256	0	.030	.030	.166	.165	.25	.07
				1	.038	.040				
				2	.054	.056				
.099-48 (#3-48)	JX-S	JX-CLS	348	0	.030	.030	.166	.165	.25	.07
				1	.038	.040				
				2	.054	.058				
.112-40 (#4-40)	JX-S	JX-CLS	440	0	.030	.030	.166	.165	.25	.07
				1	.038	.040				
				2	.054	.056				
				3	.087	.091				
.138-32 (#6-32)	JX-S	JX-CLS	632	0	.030	.030	.1875	.187	.275	.07
				1	.038	.040				
				2	.054	.056				
				3	.087	.091				
.164-32 (#8-32)	JX-S	JX-CLS	832	0	.030	.030	.213	.212	.315	.09
				1	.038	.040				
				2	.054	.056				
				3	.087	.091				
.190-32 (#10-32)	JX-S	JX-CLS	032	0	.030	.030	.250	.249	.354	.09
				1	.038	.040				
				2	.054	.056				
				3	.087	.091				
.216-24 (#12-24)	JX-S	JX-CLS	1224	0	.038	.040	.277	.276	.374	.13
				1	.054	.056				
				2	.087	.091				
				3	.120	.125				
.250-20 (1/4-20)	JX-S	JX-CLS	0420	0	.045	.047	.344	.343	.433	.17
				1	.054	.056				
				2	.087	.091				
				3	.120	.125				
.313-18 (5/16-18)	JX-S	JX-CLS	0518	0	.054	.056	.413	.412	.50	.23
				1	.087	.091				
				2	.120	.125				
.375-16 (3/8-16)	JX-S	JX-CLS	0616	0	.087	.091	.500	.499	.55	.27
				1	.120	.125				
				2	.235	.250				
.500-13 (1/2-13)	JX-S	JX-CLS	0813	0	.120	.125	.656	.655	.787	.36
				1	.235	.250				

Remark: We only show part of the specifications, we can also produce various sizes according to the customer's requirements

Fasteners for Metal Sheets and Panels Series

SELF-CLINCHING NUTS



Part Number Designation
JX-SP - 440 - 2
 ↓ ↓ ↓
 Type Thread Shank
 Code Code Code
 Material:Stainless steel
 SUS416

Part Number Designation
JX-CLA - 440 - 2 - ZI
 ↓ ↓ ↓ ↓
 Type Thread Shank Finish
 Code Code Code Code
 Material:Aluminum

All dimensions are in inch

Thread Size	TYPE	Thread Code	Shank Code	A Max.	Min. Sheet Thickness	Hole Size in Sheet+.003	C Max.	E ±.01	T ±.004
	Aluminum								
.086-56 (#2-56)	JX-CAL	256	1	.038	.040	.166	.165	.25	.07
			2	.054	.056				
.112-40 (#4-40)	JX-CLA	440	1	.038	.040	.1875	.187	.25	.09
			2	.054	.056				
.138-32 (#6-32)	JX-CLA	632	1	.038	.040	.213	.212	.28	.09
			2	.054	.056				
.164-32 (#8-32)	JX-CLA	832	1	.038	.040	.234	.233	.31	.13
			2	.054	.056				
.190-24 (#10-24)	JX-CLA	024	1	.038	.040	.296	.295	.38	.16
			2	.054	.056				
.190-32 (#10-32)	JX-CLA	032	1	.038	.040	.296	.295	.38	.16
			2	.054	.056				
.250-20 (1/4-20)	JX-CLA	0420	1	.054	.056	.344	.343	.44	.17
			2	.087	.091				
			3	.120	.125				

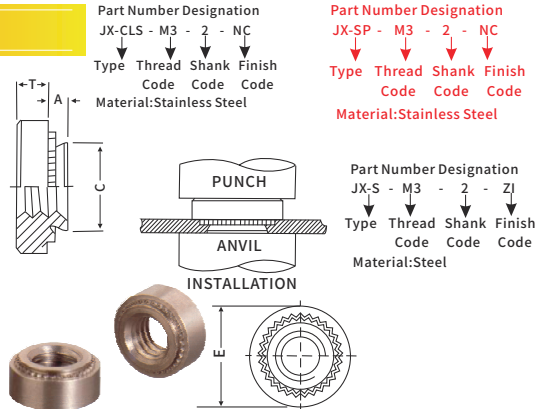
All dimensions are in inch

Thread size	TYPE	Thread Code	Shank Code	A Max.	Min. Sheet Thickness	Hole Size in Sheet+.003	C Max.	E ±.01	T ±.01
	Stainless Steel								
.112-40 (#4-40)	JX-SP	440	0	.030	.030-.039	.166	.165	.25	.07
			1	.038	.040-.055				
			2	.054	.056Min				
.138-32 (#6-32)	JX-SP	632	0	.030	.030-.039	.1875	.187	.28	.07
			1	.038	.040-.055				
			2	.054	.056Min				
.164-32 (#8-32)	JX-SP	832	0	.030	.030-.039	.213	.212	.31	.09
			1	.038	.040-.055				
			2	.054	.056Min				
.190-32 (#10-32)	JX-SP	032	0	.030	.030-.039	.250	.249	.34	.09
			1	.038	.040-.055				
			2	.054	.056Min				
.250-20 (1/4-20)	JX-SP	0420	2	.054	.056Min	.344	.343	.44	.17

Remark: We only show part of the specifications, we can also produce various sizes according to the customer's requirements

JX Fasteners for Metal Sheets and Panels Series

SELF-CLINCHING NUTS



All dimensions are in millimeters

THREAD SIZE X PITCH	TYPE		THREAD CODE	SHANK CODE	A MAX.	MIN. SHEET THICKNESS	HOLE SIZE IN SHEET +0.08	C MAX.	E ±0.25	T ±0.1
	STEEL	STAINLESS STEEL								
M2x0.4	JX-S	JX-CLS	M2	0	0.76	0.8-1	4.25	4.22	6.35	1.5
				1	0.97	1				
				2	1.37	1.4				
M2.5x0.45	JX-S	JX-CLS	M2.5	0	0.76	0.8-1	4.25	4.22	6.35	1.5
				1	0.97	1				
				2	1.37	1.4				
M3x0.5	JX-S	JX-CLS	M3	0	0.76	0.8-1	4.25	4.22	6.35	1.5
				1	0.97	1				
				2	1.37	1.4				
M3.5x0.6	JX-S	JX-CLS	M3.5	0	0.76	0.8-1	4.75	4.73	7	1.5
				1	0.97	1				
				2	1.37	1.4				
M4x0.7	JX-S	JX-CLS	M4	0	0.76	0.8-1	5.4	5.38	8	2
				1	0.97	1				
				2	1.37	1.4				
M5x0.8	JX-S	JX-CLS	M5	0	0.76	0.8-1	6.4	6.38	9	2
				1	0.97	1				
				2	1.37	1.4				
M6x1	JX-S	JX-CLS	M6	0	1.15	1.2	8.75	8.72	11	4.08
				1	1.37	1.4				
				2	2.21	2.3				
M8x1.25	JX-S	JX-CLS	M8	1	1.37	1.4	10.5	10.47	12.7	5.47
				2	2.21	2.3				
				2	2.21	2.3				
M10x1.5	JX-S	JX-CLS	M10	1	2.21	2.31	14	13.97	17	7.48
				2	3.05	3.18				
				2	3.05	3.18				

All dimensions are in millimeters

THREAD SIZE X PITCH	TYPE		THREAD CODE	SHANK CODE	A MAX.	MIN. SHEET THICKNESS	HOLE SIZE IN SHEET +0.08	C MAX.	E ±0.25	T ±0.25
	STEEL	STAINLESS STEEL								
M3X0.5	JX-SP	M3	M3	0	0.76	0.8-1	4.25	4.22	6.36	1.5
				1	0.97	1.01-1.39				
				2	1.37	1.4MIN				
M4X0.7	JX-SP	M4	M4	0	0.76	0.8-1	5.4	5.38	7.9	2
				1	0.97	1.01-1.39				
				2	1.37	1.4MIN				
M5X0.8	JX-SP	M5	M5	0	0.76	0.8-1	6.4	6.38	8.7	2
				1	0.97	1.01-1.39				
				2	1.37	1.4MIN				
M6X1	JX-SP	M6	M6	1	1.37	1.4MIN	8.75	8.72	11.1	4.1

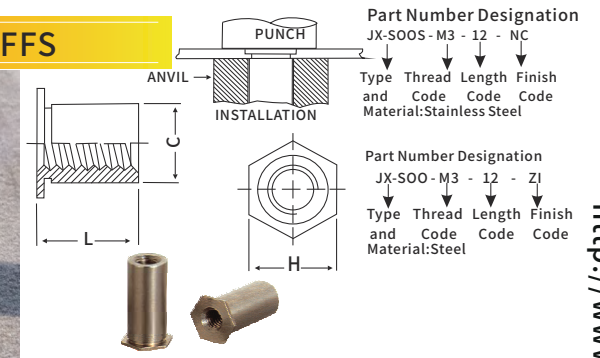
Remark: We only show part of the specifications, we can also produce various sizes according to the customer's requirements

JX Fasteners for Metal Sheets and Panels Series

All dimensions are in millimeters

METRIC	THREAD SIZE	TYPE		Thread Code	Shank Code	A Max.	Min. Sheet Thickness	HOLE SIZE IN SHEET +0.08	C Max.	E ±0.25	T ±0.25
		Aluminum	Steel								
M2X0.4	JX-CLA	M2	M2	1	0.98	1	4.25	4.22	6.3	1.5	
				2	1.38	1.4					
M3X0.5	JX-CLA	M3	M3	1	0.98	1	4.75	4.73	6.3	2	
				2	1.38	1.4					
M3.5X0.6	JX-CLA	M3.5	M3.5	1	0.98	1	5.4	5.38	7.1	2	
				2	1.38	1.4					
M4X0.7	JX-CLA	M4	M4	1	0.98	1	6	5.97	7.9	3	
				2	1.38	1.4					
M5X0.8	JX-CLA	M5	M5	1	0.98	1	7.5	7.47	9.5	3.8	
				2	1.38	1.4					
M6X1	JX-CLA	M6	M6	1	1.38	1.4	8.75	8.72	11.05	4.08	
				2	2.21	2.3					

THRU-HOLE STANDOFFS



These standoffs, which use the proven self-clinching design, install with a squeeze in properly sized round holes - and become permanently mounted on the thin sheet. Thru-hole threaded standoffs are installed with their heads flush with one surface of the mounting sheet.

Remark: Through hole through thread

All dimensions are in inches

UNIFIED	THREAD SIZE	TYPE		Thread Code	LENGTH "L" +.002/-0.005 LENGTH CODE IN 32NDS OF AN INCH	MIN. SHEET THICKNESS	HOKE SIZE IN SHEET +.003	C -.005	H NOM
		Steel	Stainless Steel						
.112--40 (#4--40)	JX-SOO	JX-SOOS	M3	440	4 6 8 10 12 14 16	.040	.166	.165	.187
				6440		.040	.213	.212	.250
				632		.040	.213	.212	.250
.138--32 (#6--32)	JX-SOO	JX-SOOS	M3	8632	4 6 8 10 12 14 16	.050	.281	.280	.315
				832		.050	.281	.280	.315
.164--32 (#8--32)	JX-SOO	JX-SOOS	M3	832	4 6 8 10 12 14 16	.050	.281	.280	.315
						.050	.281	.280	.315
.190--32 (#10--32)	JX-SOO	JX-SOOS	M3	032	4 6 8 10 12 14 16	.050	.281	.280	.315
						.050	.281	.280	.315

All dimensions are in millimeters

METRIC	THREAD SIZE	TYPE		Thread Code	Length "L" +0.05/-0.13 Lebgh Code in mm	MIN. SHEET THICKNESS	HOKE SIZE IN SHEET +0.08	C -0.13	H NOM
		Steel	Stainless Steel						
M3X0.5	JX-SOO	JX-SOOS	M3	M3	4 6 7 8 9 10 12	1	4.2	4.19	4.75
				3.5M3		1	5.4	5.38	6.35
				M4		1	6.0	5.95	7
M4X0.7	JX-SOO	JX-SOOS	M4	3.5M4	4 6 7 8 9 10 12	1.3	7.2	7.11	8
				M5		1.3	7.2	7.11	8
M5X0.8	JX-SOO	JX-SOOS	M5			1.3	8.75	8.72	10
M6X1.0	JX-SOO	JX-SOOS	M6			1.3	8.75	8.72	10

Remark: We only show part of the specifications, we can also produce various sizes according to the customer's requirements