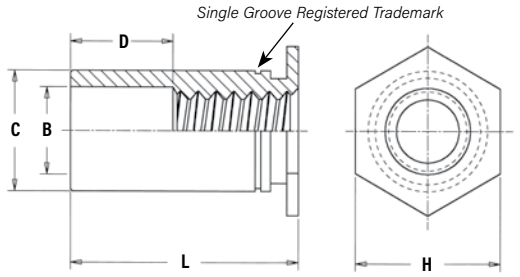
PEM® Nickel Plated, Series 400, Stainless Steel Standoffs

with improved corrosion resistance for stainless steel sheet applications

- Standoffs allow for stacking or spacing in applications where corrosion resistance is required.
- Fasteners clinch securely into stainless steel sheet with hardness up to HRB 88 / HB 183
- Available with blind or through-hole threads. Closed threads provide flush appearance on back side of sheet.
- Nickel plating presents an attractive finish to enhance overall assembly appearance.
- For complete specifications and installation data, see PEM® Bulletin SO.

NEW!

TYPE SO4™ THROUGH-HOLE THREADED STANDOFFS



Clinching profile may vary.

PART NUMBER DESIGNATION

SO	4	-	440	-	10	NC
↓	↓		↓		↓	↓
Type	Material Code		Thread Code		Length Code	Finish

For combination thread size and length selection available, see PEM® Bulletin SO.

GENERAL DIMENSIONAL DATA

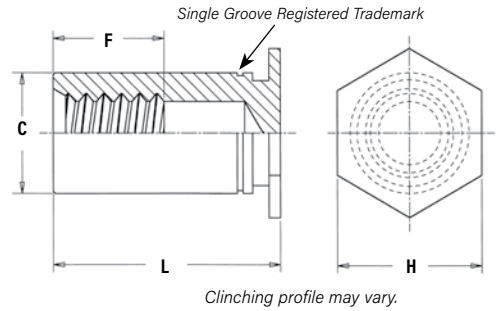
All dimensions are in inches.

	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +.003 -.000	B Counter-Bore Dia. ±.005	C +.000 -.005	H Nom.	Min. Dist. Hole ℄ To Edge	D ±.010
UNIFIED	440	.040	.166	.125	.165	.187	.23	Varies according to length. See PEM® Bulletin SO.
	6440	.040	.213	.125	.212	.250	.27	
	632	.040	.213	.156	.212	.250	.27	
	8632	.050	.281	.156	.280	.312	.31	
	832	.050	.281	.188	.280	.312	.31	
	032	.050	.281	.203	.280	.312	.31	

All dimensions are in millimeters.

	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +0.08	B Counter-Bore Dia. ±0.13	C -0.13	H Nom.	Min. Dist. Hole ℄ To Edge	D ±0.25
METRIC	M3	1	4.22	3.2	4.2	4.8	6	Varies according to length. See PEM® Bulletin SO.
	3.5M3	1	5.41	3.2	5.39	6.4	6.8	
	M3.5	1	5.41	3.9	5.39	6.4	6.8	
	M4	1.27	7.14	4.8	7.12	7.9	8	
	M5	1.27	7.14	5.35	7.12	7.9	8	

TYPE BSO4™ BLIND THREADED STANDOFFS



Clinching profile may vary.

PART NUMBER DESIGNATION

BSO	4	-	440	-	10	NC
↓	↓		↓		↓	↓
Type	Material Code		Thread Code		Length Code	Finish

For combination thread size and length selection available, see PEM® Bulletin SO.

GENERAL DIMENSIONAL DATA

All dimensions are in inches.

	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +.003 -.000	C +.000 -.005	H Nom.	Min. Dist. Hole ℄ To Edge	F Min.
UNIFIED	440	.040	.166	.165	.187	.23	Varies according to length. See PEM® Bulletin SO.
	6440	.040	.213	.212	.250	.27	
	632	.040	.213	.212	.250	.27	
	8632	.050	.281	.280	.312	.31	
	832	.050	.281	.280	.312	.31	
	032	.050	.281	.280	.312	.31	

All dimensions are in millimeters.

	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +0.08	C -0.13	H Nom.	Min. Dist. Hole ℄ To Edge	F Min.
METRIC	M3	1	4.22	4.2	4.8	6	Varies according to length. See PEM® Bulletin SO.
	3.5M3	1	5.41	5.39	6.4	6.8	
	M3.5	1	5.41	5.39	6.4	6.8	
	M4	1.27	7.14	7.12	7.9	8	
	M5	1.27	7.14	7.12	7.9	8	

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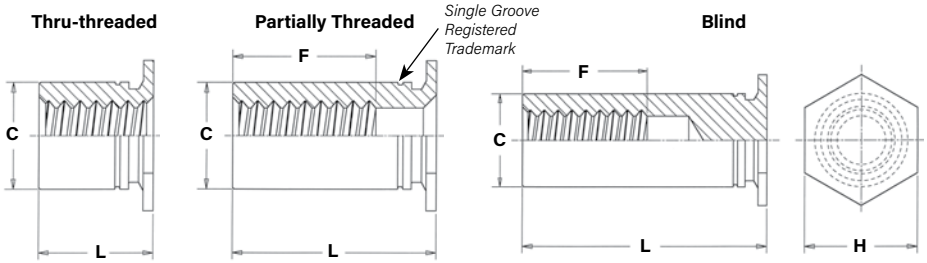
with improved corrosion resistance for stainless steel sheet applications

TYPE TSO4™ THREADED STANDOFFS FOR SHEETS AS THIN AS .025"/0.63mm

PART NUMBER DESIGNATION

TSO	4	-	440	-	250	NC
↓	↓		↓		↓	↓
Type	Material Code		Thread Code		Length Code	Finish

For combination thread size and length selection available, see PEM® Bulletin SO.



Clinching profile may vary.

GENERAL DIMENSIONAL DATA

All dimensions are in inches.

	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +.003 -.000	C +.000 -.005	F Min. Thread Depth	H Nom.	Min. Dist. Hole ℄ To Edge
UNIFIED	256	.025	.166	.165	.200	.187	.23
	6256	.025	.213	.212		.250	.27
	440	.025	.166	.165	.220	.187	.23
	6440	.025	.213	.212		.250	.27
	632	.025	.213	.212	.270	.250	.27

All dimensions are in millimeters.

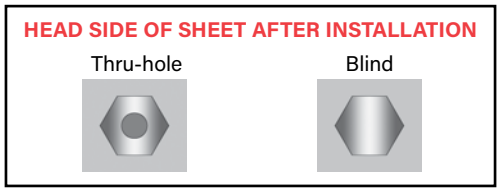
	Thread Code	Min. Sheet Thickness	Hole Size In Sheet +0.08	C -0.13	F Min. Thread Depth	H Nom.	Min. Dist. Hole ℄ To Edge
METRIC	M25	0.63	4.22	4.2	5.2	4.8	5.8
	6M25	0.63	5.41	5.39		6.4	7.1
	M3	0.63	4.22	4.2	6.2	4.8	5.8
	6M3	0.63	5.41	5.39		6.4	7.1
	M35	0.63	5.41	5.39	7	6.4	7.1

TYPES SO4/BSO4/TSO4 MATERIAL AND FINISH SPECIFICATIONS

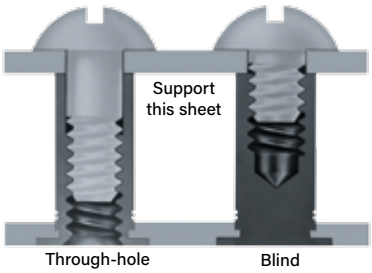
Threads: Internal, ASME B1.1, 2B ASME B1.13M, 6H
Fastener material: Hardened 400 Series Stainless Steel
Finish: NC - Electroless Nickel over Copper over Nickel strike per ASTM B733 (1)
For use in: Sheet hardness HRB 88 / HB 183 or less (2)

(1) Not stocked, available on special order. Minimum quantities apply. Contact your local PEM distributor for details. See PEM Technical Support section of our web site for related plating standards and specifications.
(2) HRB - Hardness Rockwell "B" Scale. HB - Hardness Brinell.

PEM® self-clinching standoffs, which use the proven self-clinching design, provide ideal solutions for applications where mounting, spacing or stacking of panels, boards or components are required. Pressed into round holes, these fasteners mount permanently into metal sheets as thin as .025"/0.63mm.



For more information on how to use PEM® self-clinching standoffs, see Tech Sheet "PEM®-Ref/Standoff Basics" on our web site.



All PEM® products meet our stringent quality standards. If you require additional industry or other specific quality certifications, special procedures and/or part numbers are required. Please contact your local sales office or representative for further information.

Regulatory compliance information is available in Technical Support section of our website. Specifications subject to change without notice. See our website for the most current version of this bulletin.

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