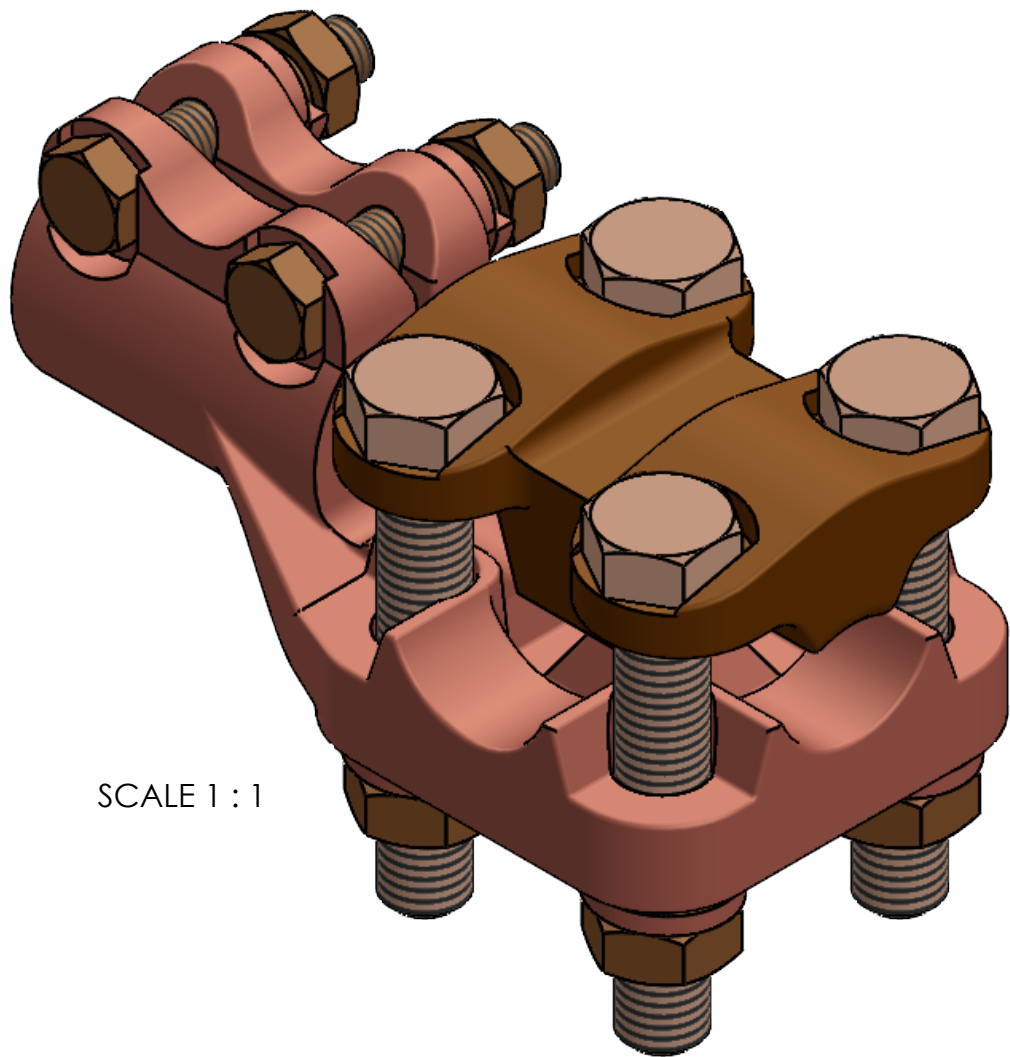
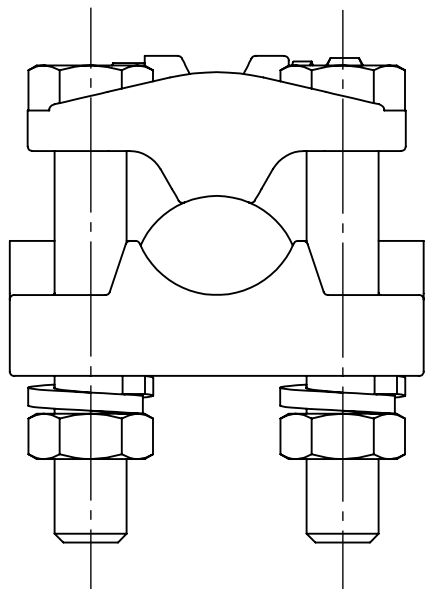
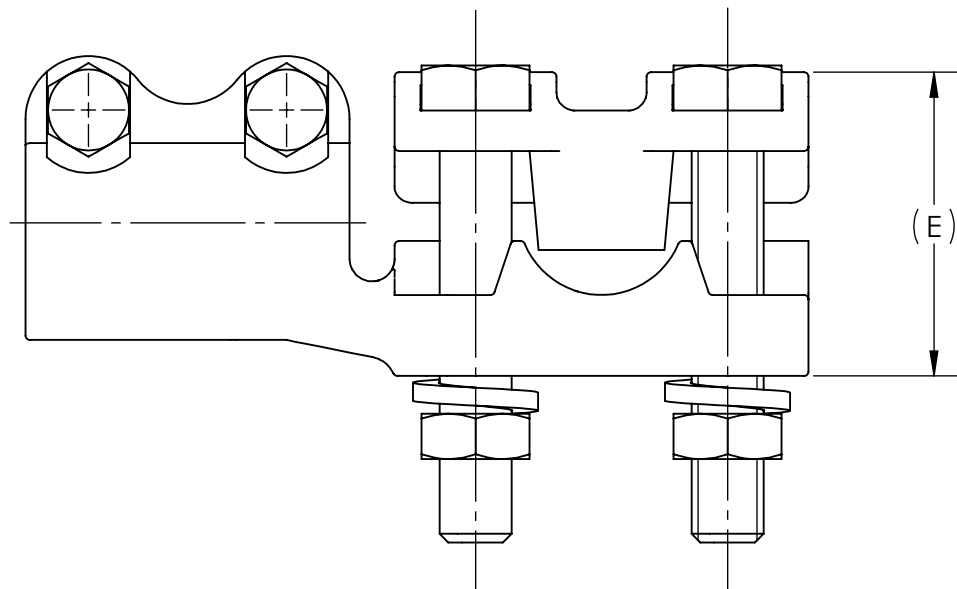
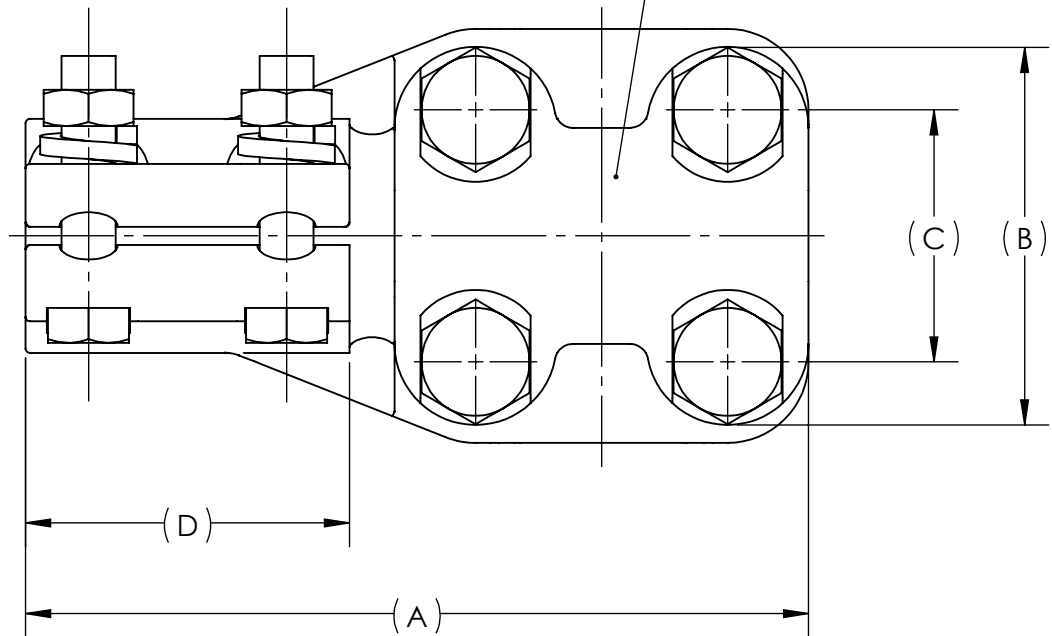


METAL STAMP TO READ:

1. PU or PENN-UNION
2. "CAT. NO."
3. "STUD THREAD SIZE"
4. "IPS RANGE"
5. "CONDUCTOR RANGE"



SCALE 1 : 1

NOTE:

1. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED
2. DESIGNED FOR MOUNTING STUD TO CABLE, PIPE, OR FLAT BAR STRAIGHT OR PERPENDICULAR
3. FURNISHED WITH SILICON BRONZE CLAMPING HARDWARE FOR CORROSION RESISTANCE
4. CAP CAN BE ROTATED 90° TO PROVIDE STRAIGHT OR PERPENDICULAR TAKEOFF
5. FOR TIN PLATED STUD AND CAP COMPONENTS, SUFFIX CATALOG NUMBER WITH "-TN"
EX. CSR-1014-100-TN
6. CAPTIVE BOLT DESIGN ALLOWS FOR SINGLE WRENCH INSTALLATION
7. FIGURE IS REPRESENTATIVE, EXACT COMPONENT FEATURES MAY VARY

		2	8	SILICON BRONZE HEX NUT FOR BODY
		4	7	SILICON BRONZE HEX NUT FOR CAP
		2	6	SILICON BRONZE LOCK WASHER FOR BODY
		4	5	SILICON BRONZE LOCK WASHER FOR CAP
		2	4	SILICON BRONZE HEX HEAD BOLT FOR BODY
		4	3	SILICON BRONZE HEX HEAD BOLT FOR CAP
		1	2	BRONZE CAP
		1	1	BRONZE BODY
QTY.		PT.	NAME OR DESCRIPTION	
			BRONZE STUD CONNECTORS	
			for	
			COPPER CONDUCTORS OR PIPE	
			REF. DWG'S: 1P37-41127	
			H:\1P37\CSR SERIES	
			DRAWN BY: SUM	
			DATE: 12/11/2023	
			CHK'D: MES	
			SCALE: 3:4	
			INTERPRET PER ASME Y14.5-2009	
			FILE: 1P37	
			SIZE: B	
			DWG. NO.	
			CSR SERIES	
			SHEET 1 OF 2	
			REV.	
			-	

REV.	CAT. NO.	STUD THREAD SIZE	CONDUCTOR RANGE			DIMENSIONS					BOLT SIZE		HEX SIZE		INSTALLATION TORQUE (IN•LB)	
			IPS RANGE	SMALL GROOVE RANGE	LARGE GROOVE RANGE	A	B	C	D	E	STUD	TAP	STUD	TAP		
01	CSR-0513-025	1/2-13	-	6 Sol. - 1 Str.	1Str. - 250 kcmil	3.56	1.88	1.13	1.38	1.48	3/8	3/8	9/16	9/16	240	
01	CSR-0716-025	3/4-16	-	6 Sol. - 1 Str.	1Str. - 250 kcmil	3.56	1.88	1.13	1.38	1.48	3/8	3/8	9/16	9/16	240	
02	CSR-0716-050		3/8 - 1/2	6 Sol. - 500 kcmil			4.13	2.13	1.38	1.88	2.11	3/8	3/8	9/16	9/16	240
01	CSR-0716-100		3/8 - 3/4	2 Sol. - 1000 kcmil			5.06	2.88	1.75	1.88	2.58	1/2	1/2	3/4	3/4	480
02	CSR-1014-025	1-14	-	6 Sol. - 1 Str.	1Str. - 250 kcmil	4.44	1.88	1.13	2.25	1.48	3/8	3/8	9/16	9/16	240	
01	CSR-1014-050		3/8 - 1/2	6 Sol. - 500 kcmil			4.69	2.13	1.38	2.25	2.11	3/8	3/8	9/16	9/16	240
02	CSR-1014-100		3/8 - 3/4	2 Sol. - 1000 kcmil			5.44	2.88	1.75	2.25	2.58	1/2	1/2	3/4	3/4	480
01	CSR-1112-025	1 1/8-12	-	6 Sol. - 1 Str.	1Str. - 250 kcmil	4.44	1.88	1.13	2.25	1.48	3/8	3/8	9/16	9/16	240	
02	CSR-1112-050		3/8 - 1/2	6 Sol. - 500 kcmil			4.69	2.13	1.38	2.25	2.11	3/8	3/8	9/16	9/16	240
02	CSR-1112-100		3/8 - 3/4	2 Sol. - 1000 kcmil			5.44	2.88	1.75	2.25	2.58	1/2	1/2	3/4	3/4	480
01	CSR-1212-100	1 1/4-12	3/8 - 3/4	2 Sol. - 1000 kcmil			5.44	2.88	1.75	2.13	2.58	1/2	1/2	3/4	3/4	480
02	CSR-1512-025	1 1/2-12	-	6 Sol. - 1 Str.	1Str. - 250 kcmil	4.44	1.88	1.13	2.25	1.48	1/2	1/2	3/4	3/4	480	
02	CSR-1512-050		3/8 - 1/2	6 Sol. - 500 kcmil			4.56	2.13	1.75	2.25	2.11	1/2	1/2	3/4	3/4	480
04	CSR-1512-100		3/8 - 3/4	2 Sol. - 1000 kcmil			5.44	2.88	1.75	2.13	2.58	1/2	1/2	3/4	3/4	480
02	CSR-1512-200		3/8 - 1 1/4	4/0 Str. - 2000 kcmil			6.38	3.38	2.25	2.69	3.19	1/2	1/2	3/4	3/4	480
02	CSR-2012-100	2-12	3/8 - 3/4	2 Sol. - 1000 kcmil			5.81	2.88	1.75	2.75	2.58	1/2	1/2	3/4	3/4	480
02	CSR-2012-200		3/8 - 1 1/4	4/0 Str. - 2000 kcmil			6.44	3.38	2.25	2.75	3.19	1/2	1/2	3/4	3/4	480
-	CSR-2512-200	2 1/2-12	3/8 - 1 1/4	4/0 Str. - 2000 kcmil			6.44	3.38	2.25	2.75	3.19	1/2	1/2	3/4	3/4	480
01	CSR-3012-200	3-12	3/8 - 1 1/4	4/0 Str. - 2000 kcmil			6.44	3.38	2.25	2.75	3.19	1/2	1/2	3/4	3/4	480

MERGED CONDUCTOR RANGE PARTS ONLY HAVE ONE GROOVE IN CAP

QTY.			PT.		NAME OR DESCRIPTION			
					BRONZE STUD CONNECTORS			
					for			
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					REF. DWG'S: 1P37-41127			
					H:\1P37\CSR SERIES			
					DRAWN BY: SUM DATE: 12/11/2023 CHK'D: MES			
					SCALE: 1:1		INTERPRET PER ASME Y14.5-2009	
					FILE: 1P37			
					SIZE: B		DWG. NO.	
					 PennUnion™ 229 WATERFORD STREET EDINBORO, PA 16412 USA		 CSR SERIES SHEET 2 OF 2	
							REV.	
							-	