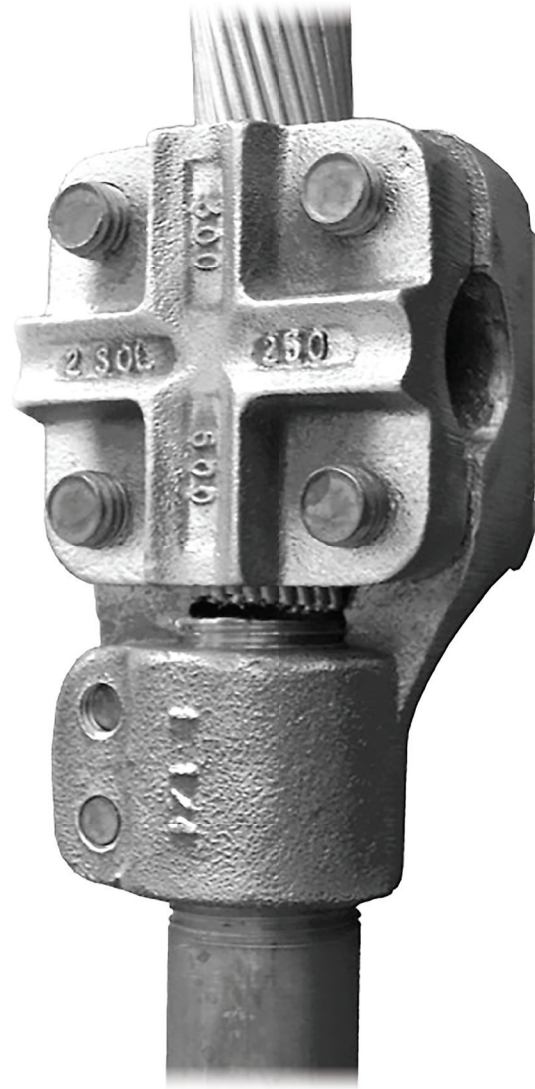
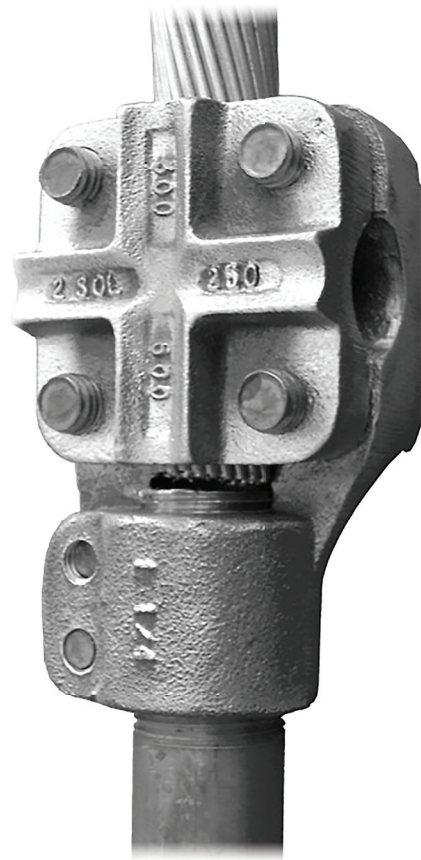




SECTION 5

STUD CONNECTORS

SUBSTATION CONNECTORS - 230KV AND BELOW



STUD CONNECTORS

PLP **Substation Connectors Stud Connectors** for 230kV and below are an easy to install means of making a connection between a single flexible conductor or bus tube and an item of substation primary equipment which features a round smooth or threaded stud terminal. All contact faces are manufactured to maximize contact surface area and provide a superior installed fit.

FEATURES AND BENEFITS

- Complete range of sizes for connecting most standard bus tube or stranded conductor
- Solutions for bolted, compression, and weldment applications
- Available in aluminum and bronze, with tin plating capabilities for both materials
- Custom design solutions available to secure your most challenging connections

HP-A

Aluminum Bolted Stud Connector Stud to Tube 230kV and Below

Aluminum alloy connector to be installed on smooth or threaded stud. Electrical joint compound is recommended for all stud/tube contact surfaces.

CASTINGS: Aluminum Alloy

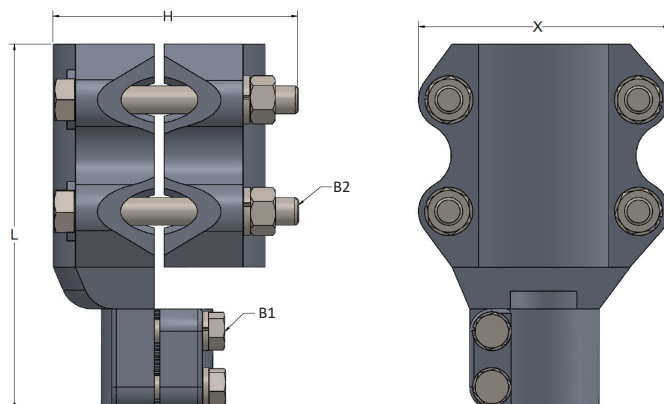
HARDWARE: Galvanized Steel

See page 172 for special order options such as tin plating, hardware materials and specific angles. Contact PLP for further details, unlisted option and/or special applications.

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud: HP5737AC0

Example of stud with 12 threads per inch: HP5737AC12



Part Number	Stud Diameter	Tube NPS Diameter	Dimensions				
	in (mm)	in	in (mm)				
			H	L	B1	B2	X
HP5737AC12	1 (25)	3/4	3.31 (84)	6.02 (153)	1/2 (13)	1/2 (13)	2.80 (71)
HP5740AC12	1 (25)	1-1/2	3.82 (97)	6.69 (170)	1/2 (13)	1/2 (13)	3.70 (94)
HP5741AC12	1 (25)	2	4.41 (112)	6.85 (174)	1/2 (13)	5/8 (16)	4.57 (116)
HP5742AC12	1 (25)	2-1/2	4.92 (125)	7.24 (184)	1/2 (13)	5/8 (16)	5.00 (127)
HP5743AC12	1 (25)	3	5.43 (138)	7.87 (200)	1/2 (13)	5/8 (16)	5.47 (139)
HP57537AC12	1-1/8 (29)	3/4	3.31 (84)	6.02 (153)	1/2 (13)	1/2 (13)	2.80 (71)
HP57540AC12	1-1/8 (29)	1-1/2	3.82 (97)	6.69 (170)	1/2 (13)	1/2 (13)	3.70 (94)
HP57541AC12	1-1/8 (29)	2	4.41 (112)	6.85 (174)	1/2 (13)	5/8 (16)	4.57 (116)
HP57542AC12	1-1/8 (29)	2-1/2	4.92 (125)	7.24 (184)	1/2 (13)	5/8 (16)	5.00 (127)
HP57543AC12	1-1/8 (29)	3	5.43 (138)	7.87 (200)	1/2 (13)	5/8 (16)	5.47 (139)
HP5837AC12	1-1/4 (32)	3/4	3.31 (84)	6.02 (153)	1/2 (13)	1/2 (13)	2.80 (71)
HP5840AC12	1-1/4 (32)	1-1/2	3.82 (97)	6.69 (170)	1/2 (13)	1/2 (13)	3.70 (94)
HP5841AC12	1-1/4 (32)	2	4.41 (112)	6.85 (174)	1/2 (13)	5/8 (16)	4.57 (116)
HP5842AC12	1-1/4 (32)	2-1/2	4.92 (125)	7.24 (184)	1/2 (13)	5/8 (16)	5.00 (127)
HP5843AC12	1-1/4 (32)	3	5.43 (138)	7.87 (200)	1/2 (13)	5/8 (16)	5.47 (139)
HP5938AC12	1-1/4 (32)	1	3.31 (84)	6.34 (161)	1/2 (13)	1/2 (13)	3.03 (77)

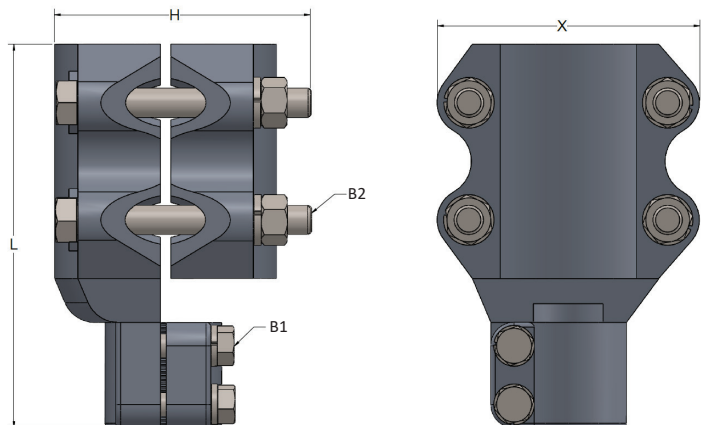
HP-A CONTINUED

Aluminum Bolted Stud Connector Stud to Tube 230kV and Below

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud: HP5939AC0

Example of stud with 12 threads per inch: HP5939AC12



Part Number	Stud Diameter	Tube NPS Diameter	Dimensions				
	in (mm)	in	in (mm)				
			H	L	B1	B2	X
HP5939AC12	1-1/2 (38)	1-1/4	2.95 (75)	6.65 (169)	1/2 (13)	1/2 (13)	3.27 (83)
HP5940AC12	1-1/2 (38)	1-1/2	3.82 (97)	6.89 (175)	1/2 (13)	1/2 (13)	3.70 (94)
HP5941AC12	1-1/2 (38)	2	4.41 (112)	7.01 (178)	1/2 (13)	5/8 (16)	4.57 (116)
HP5942AC12	1-1/2 (38)	2-1/2	4.92 (125)	7.24 (184)	1/2 (13)	5/8 (16)	5.00 (127)
HP5943AC12	1-1/2 (38)	3	5.43 (138)	8.19 (208)	1/2 (13)	5/8 (16)	5.47 (139)
HP59341AC12	1-5/8 (41)	2	4.41 (112)	7.68 (195)	1/2 (13)	5/8 (16)	4.57 (116)
HP6040AC12	2 (51)	1-1/2	3.82 (97)	7.09 (180)	1/2 (13)	1/2 (13)	3.70 (94)
HP6041AC12	2 (51)	2	4.41 (112)	7.68 (195)	1/2 (13)	5/8 (16)	4.57 (116)
HP6042AC12	2 (51)	2-1/2	4.92 (125)	8.00 (203)	1/2 (13)	5/8 (16)	5.00 (127)
HP6043AC12	2 (51)	3	5.43 (138)	8.43 (214)	1/2 (13)	5/8 (16)	5.47 (139)
HP6046AC12	2 (51)	4-1/2	6.77 (172)	9.72 (247)	1/2 (13)	5/8 (16)	7.13 (181)
HP6243AC12	3 (76)	3	5.43 (138)	8.43 (214)	5/8 (16)	5/8 (16)	5.47 (139)
HP6444AC12	4 (102)	3-1/2	5.59 (142)	9.13 (232)	5/8 (16)	5/8 (16)	6.18 (157)
HP6445AC12	4 (102)	4	6.18 (157)	9.72 (247)	5/8 (16)	5/8 (16)	6.69 (170)

HPR-A

Aluminum Bolted Stud Connector Stud to Cable 230kV and Below

Aluminum alloy connector to be installed on smooth or threaded stud. Electrical joint compound is recommended for all stud/cable contact surface.

CASTINGS: Aluminum Alloy

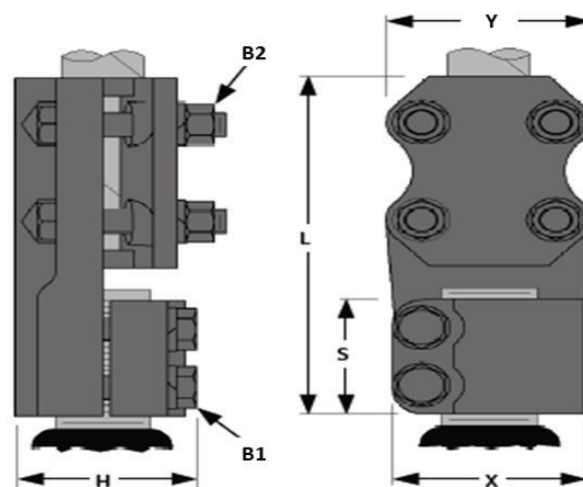
HARDWARE: Galvanized Steel

See page 172 for special order options such as tin plating, hardware materials and specific angles. Contact PLP for further details, unlisted option and/or special applications.

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR5521AC0.

Example of stud with 13 threads per inch is HPR5521AC13.

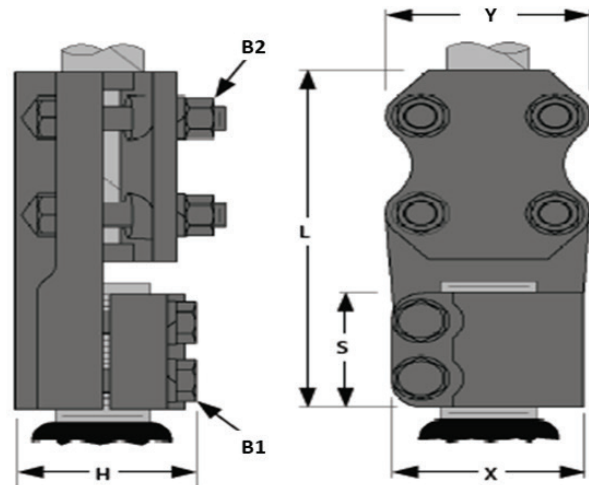


Part Number	Stud Diameter	Cable AWG/MCM				Dimensions						
		AAC	AAC Diameter	ACSR	ACSR Diameter	in (mm)						
	in (mm)		in (mm)		in (mm)	H	L	S	B1	B2	X	Y
HPR5521AC13	1/2 (13)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.67 (70)
HPR5529AC13	1/2 (13)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)
HPR55514AC11	5/8 (16)	1/0T - 250*	0.372 - 0.575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	2.52 (64)	5.51 (140)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.48 (63)
HPR5617AC16	3/4 (19)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.64 (67)
HPR5621AC12	3/4 (19)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.76 (70)
HPR5627AC12	3/4 (19)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.52 (64)	6.57 (167)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.00 (76)
HPR5629AC12	3/4 (19)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)
HPR5714AC12	1 (25)	1/0T - 250*	.372 - .575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	2.52 (64)	5.51 (140)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.48 (63)
HPR5717AC12	1 (25)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.64 (67)
HPR5721AC12	1 (25)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.52 (64)	5.98 (158)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.76 (70)
HPR5727AC12	1 (25)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.52 (64)	6.57 (167)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.00 (76)
HPR5729AC12	1 (25)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)
HPR57514AC12	1-1/8 (29)	1/0T - 250*	.372 - .575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	2.52 (64)	5.51 (140)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.48 (63)
HPR57517AC12	1-1/8 (29)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.64 (67)
HPR57521AC12	1-1/8 (29)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.76 (70)
HPR57527AC12	1-1/8 (29)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.52 (64)	6.57 (167)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.00 (76)
HPR57529AC12	1-1/8 (29)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)
HPR57829AC12	1-3/16 (30)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)

*S denotes SOLID wire, and T denotes STRANDED wire

HPR-A CONTINUED

Aluminum Bolted Stud Connector Stud to Cable 230kV and Below



When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR5814AC0.

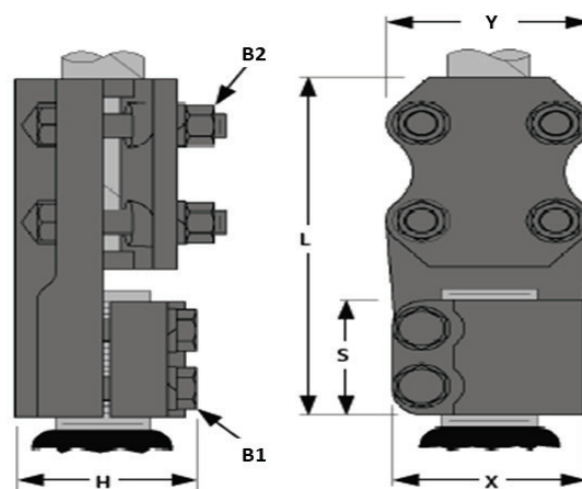
Example of stud with 12 threads per inch is HPR5814AC12.

Part Number	Stud Diameter	Cable AWG/MCM				Dimensions						
		AAC	AAC Diameter	ACSR	ACSR Diameter	in (mm)						
			in (mm)		in (mm)	H	L	S	B1	B2	X	Y
HPR5814AC12	1-1/4 (32)	1/0T - 250*	.372 - .575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	2.52 (64)	5.51 (140)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.48 (63)
HPR5817AC12	1-1/4 (32)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.56 (65)	2.64 (67)
HPR5821AC12	1-1/4 (32)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.52 (64)	5.98 (152)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	2.76 (70)
HPR5827AC12	1-1/4 (32)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.52 (64)	6.57 (167)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.00 (76)
HPR5829AC12	1-1/4 (32)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.52 (64)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.68 (68)	3.19 (81)
HPR5830AC12	1-1/4 (32)	1250 - 1600	1.289 - 1.459 (32.7 - 37.1)	1113 (54/19) - 1431 (45/7)	1.293 - 1.427 (32.8 - 36.3)	2.52 (64)	7.40 (188)	2.32 (59)	1/2 (13)	5/8 (16)	2.68 (68)	3.74 (95)
HPR58527AC0	1-3/8 (35)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.72 (69)	6.65 (169)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	3.00 (76)
HPR58529AC0	1-3/8 (35)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.72 (69)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	3.19 (81)
HPR5914AC12	1-1/2 (38)	1/0T - 250*	.372 - .575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	2.72 (69)	5.71 (145)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	2.48 (63)
HPR5917AC12	1-1/2 (38)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	2.72 (69)	6.10 (155)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	2.64 (67)
HPR5921AC12	1-1/2 (38)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	2.72 (69)	6.38 (162)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	2.76 (70)
HPR5927AC12	1-1/2 (38)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477(30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	2.72 (69)	6.65 (169)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	3.00 (76)
HPR5929AC12	1-1/2 (38)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.72 (69)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	3.19 (81)
HPR5930AC12	1-1/2 (38)	1250 - 1600	1.289 - 1.459 (32.7 - 37.1)	1113 (54/19) - 1431(45/7)	1.293 - 1.427 (32.8 - 36.3)	2.72 (69)	7.40 (188)	2.32 (59)	1/2 (13)	5/8 (16)	2.95 (75)	3.74 (95)
HPR59229AC0	1-9/16 (40)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	2.72 (69)	6.81 (173)	2.32 (59)	1/2 (13)	1/2 (13)	2.95 (75)	3.19 (81)
HPR59329AC0	1-5/8 (41)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.19 (81)	7.60 (193)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.19 (81)
HPR59514AC12	1-3/4 (44)	1/0T - 250*	.372 - .575 (9.4 - 14.6)	1/0 (6/1) - 4/0 (6/1)	.398 - .563 (10.1 - 14.3)	3.00 (76)	5.59 (142)	2.52 (64)	1/2 (13)	1/2 (13)	3.15 (80)	2.48 (63)
HPR59517AC12	1-3/4 (44)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	3.19 (81)	6.30 (160)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	2.64 (67)

*S denotes SOLID wire, and T denotes STRANDED wire.

HPR-A CONTINUED

Aluminum Bolted Stud Connector Stud to Cable 230kV and Below



When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR59521AC0.

Example of stud with 12 threads per inch is HPR59521AC12.

Part Number	Stud Diameter	Cable AWG/MCM				Dimensions						
		AAC	AAC Diameter	ACSR	ACSR Diameter	in (mm)						
			in (mm)			H	L	S	B1	B2	X	Y
HPR59521AC0	1-3/4 (44)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	3.19 (81)	6.69 (170)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	2.76 (70)
HPR59527AC12	1-3/4 (44)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	3.19 (81)	7.09 (180)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.00 (76)
HPR59529AC12	1-3/4 (44)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.19 (81)	7.48 (190)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.19 (81)
HPR59729AC12	1-7/8 (48)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.19 (81)	7.48 (190)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.19 (81)
HPR6017AC12	2 (51)	250 - 400	.575 - .728 (14.6 - 18.5)	4/0 (6/1) - 397 (26/7)	.563 - .783 (14.3 - 19.9)	3.19 (81)	6.30 (160)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	2.64 (67)
HPR6021AC12	2 (51)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.3 - 22.7)	3.19 (81)	6.38 (162)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	2.76 (70)
HPR6027AC12	2 (51)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	3.19 (81)	7.09 (180)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.00 (76)
HPR6029AC12	2 (51)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.19 (81)	7.60 (193)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.19 (81)
HPR6030AC12	2 (51)	1250 - 1600	1.289 - 1.459 (32.7 - 37.1)	1113 (54/19) - 1431 (45/7)	1.293 - 1.427 (32.8 - 36.3)	3.19 (81)	7.60 (193)	2.52 (64)	1/2 (13)	1/2 (13)	3.39 (86)	3.74 (95)
HPR60521AC12	2-1/4 (57)	350 - 600	.681 - .893 (17.3 - 22.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	3.54 (90)	6.38 (162)	2.52 (64)	1/2 (13)	1/2 (13)	4.00 (102)	2.76 (70)
HPR60529AC12	2-1/4 (57)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.54 (90)	7.13 (181)	2.52 (64)	1/2 (13)	1/2 (13)	4.00 (102)	3.19 (81)
HPR6121AC12	2-1/2 (64)	350 - 600	.681 - .893 (17.3 - 32.7)	336 (18/1) - 477 (30/7)	.684 - .883 (17.4 - 22.4)	3.54 (90)	6.38 (162)	2.52 (64)	1/2 (13)	1/2 (13)	4.00 (102)	2.76 (70)
HPR6129AC12	2-1/2 (64)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	3.54 (90)	7.13 (181)	2.52 (64)	1/2 (13)	1/2 (13)	4.00 (102)	3.19 (81)
HPR6132AC12	2-1/2 (64)	1500 - 2000	1.412 - 1.632 (35.9 - 41.5)	1272 (54/19) - 1780 (84/19)	1.382 - 1.602 (35.1 - 40.7)	3.54 (90)	7.72 (196)	2.52 (64)	1/2 (13)	5/8 (16)	4.00 (102)	3.90 (99)
HPR6227AC12	3 (76)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	4.21 (107)	7.20 (183)	3.00 (76)	5/8 (16)	1/2 (13)	4.84 (123)	3.00 (76)
HPR6229AC0	3 (76)	900 - 1250	1.094 - 1.289 (27.8 - 32.7)	715 (30/19) - 1113 (54/19)	1.081 - 1.293 (27.5 - 32.8)	4.21 (107)	7.44 (189)	3.00 (76)	5/8 (16)	1/2 (13)	4.84 (123)	3.19 (81)
HPR6427AC12	4 (102)	600 - 900	.893 - 1.094 (22.7 - 27.8)	477 (30/7) - 795 (54/7)	.883 - 1.093 (22.4 - 27.8)	5.00 (127)	7.44 (189)	3.00 (76)	5/8 (16)	1/2 (13)	5.55 (141)	3.00 (76)

HP

Bronze Bolted Stud Connector Stud to Tube 230kV and Below

Copper alloy connector to be installed on smooth or threaded stud. Electrical joint compound is recommended for all stud/tube contact surfaces.

CASTINGS: Copper Alloy

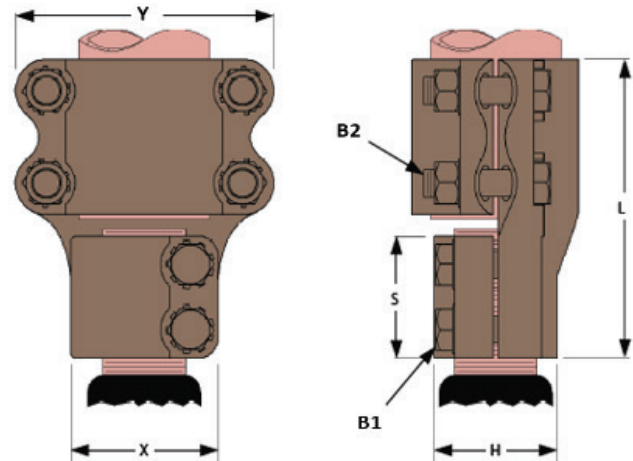
HARDWARE: Silicon Bronze

See page 172 for special order options such as tin plating, hardware materials and specific angles. Contact PLP for further details, unlisted option and/or special applications.

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HP5640C0.

Example of stud with 16 threads per inch is HP5640C16.



Part Number	Stud Diameter	NPS Tube Diameter	Dimensions						
	in (mm)	in	in (mm)						
			H	L	S	B1	B2	X	Y
HP5640C16	3/4 (19)	1-1/2	1.89 (48)	5.20 (132)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	3.86 (98)
HP5738C12	1 (25)	1	1.89 (48)	4.09 (104)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.87 (73)
HP5738C14	1 (25)	1	1.89 (48)	4.09 (104)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.87 (73)
HP5740C12	1 (25)	1-1/2	1.89 (48)	5.20 (132)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	3.86 (98)
HP5740C14	1 (25)	1-1/2	1.89 (48)	5.20 (132)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	3.86 (98)
HP5741C12	1 (25)	2	1.89 (48)	5.31 (135)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	4.72 (120)
HP5741C14	1 (25)	2	1.89 (48)	6.50 (165)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	4.72 (120)
HP5742C12	1 (25)	2-1/2	1.89 (48)	5.75 (146)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	5.35 (136)
HP5742C14	1 (25)	2-1/2	1.89 (48)	5.75 (146)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	5.35 (136)
HP5743C12	1 (25)	3	1.89 (48)	6.22 (158)	2.05 (52)	1/2 (13)	5/8 (16)	2.40 (61)	6.14 (156)
HP57538C12	1-1/8 (29)	1	1.89 (48)	4.09 (104)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.87 (73)
HP57540C12	1-1/8 (29)	1-1/2	1.89 (48)	5.20 (132)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	3.86 (98)
HP57541C12	1-1/8 (29)	2	1.89 (48)	5.31 (135)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	4.72 (120)
HP57541C14	1-1/8 (29)	2	1.89 (48)	5.31 (135)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	4.72 (120)
HP57542C12	1-1/8 (29)	2-1/2	1.89 (48)	5.75 (146)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	5.35 (136)
HP57542C14	1-1/8 (29)	2-1/2	1.89 (48)	5.75 (146)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	5.35 (136)
HP5838C12	1-1/4 (32)	1	1.89 (48)	4.09 (104)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.87 (73)
HP5840C12	1-1/4 (32)	1-1/2	1.89 (48)	5.20 (132)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	3.86 (98)

HP CONTINUED

Bronze Bolted Stud Connector

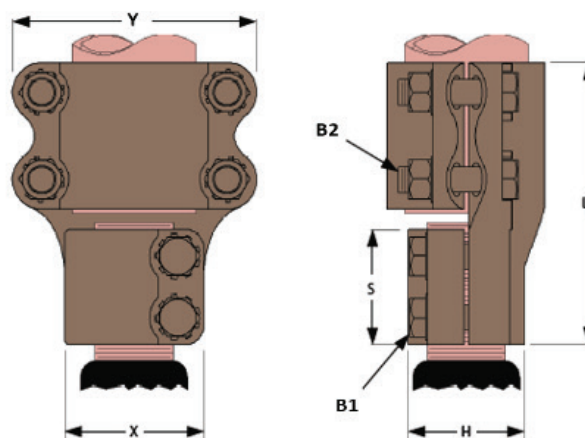
Stud to Tube

230kV and Below

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HP5841C0.

Example of stud with 12 threads per inch is HP5841C12.



Part Number	Stud Diameter	NPS Tube Diameter	Dimensions						
	in (mm)	in	in (mm)						
			H	L	S	B1	B2	X	Y
HP5841C12	1-1/4 (32)	2	1.89 (48)	5.31 (135)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	4.72 (120)
HP5842C12	1-1/4 (32)	2-1/2	1.89 (48)	5.75 (146)	2.05 (52)	1/2 (13)	1/2 (13)	2.40 (61)	5.35 (136)
HP5937C12	1-1/2 (38)	3/4	2.20 (56)	4.61 (117)	2.05 (52)	1/2 (13)	3/8 (10)	2.68 (68)	2.87 (73)
HP5938C12	1-1/2 (38)	1	2.20 (56)	4.61 (117)	2.05 (52)	1/2 (13)	3/8 (10)	2.68 (68)	2.87 (73)
HP5939C12	1-1/2 (38)	1-1/4	2.20 (56)	5.04 (128)	2.05 (52)	1/2 (13)	1/2 (13)	2.68 (68)	3.62 (92)
HP5940C12	1-1/2 (38)	1-1/2	2.20 (56)	5.04 (128)	2.05 (52)	1/2 (13)	1/2 (13)	2.68 (68)	3.86 (98)
HP5941C12	1-1/2 (38)	2	2.20 (56)	5.12 (130)	2.05 (52)	1/2 (13)	1/2 (13)	2.68 (68)	4.72 (120)
HP5942C12	1-1/2 (38)	2-1/2	2.20 (56)	5.12 (130)	2.05 (52)	1/2 (13)	1/2 (13)	2.68 (68)	5.35 (136)
HP5943C12	1-1/2 (38)	3	2.20 (56)	6.22 (158)	2.05 (52)	1/2 (13)	5/8 (16)	2.68 (68)	6.14 (156)
HP59341C12	1-5/8 (41)	2	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	4.72 (120)
HP6040C12	2 (51)	1-1/2	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	3.86 (98)
HP6041C12	2 (51)	2	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	4.72 (120)
HP6042C12	2 (51)	2-1/2	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	5.35 (136)
HP6043C12	2 (51)	3	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	6.14 (156)
HP6044C12	2 (51)	3-1/2	2.87 (73)	5.24 (133)	2.05 (52)	1/2 (13)	1/2 (13)	3.39 (86)	6.89 (175)
HP60241C12	2-1/8 (54)	2	3.54 (90)	5.59 (142)	2.52 (64)	1/2 (13)	1/2 (13)	3.86 (98)	4.72 (120)
HP60538C12	2-1/4 (57)	1	3.54 (90)	5.16 (131)	2.52 (64)	1/2 (13)	3/8 (10)	3.86 (98)	2.87 (73)
HP6241C12	3 (76)	2	4.13 (105)	6.10 (155)	2.91 (74)	5/8 (16)	1/2 (13)	4.69 (119)	4.72 (120)
HP6243C12	3 (76)	3	4.13 (105)	6.73 (171)	2.91 (74)	5/8 (16)	5/8 (16)	4.69 (119)	6.14 (156)
HP6244C12	3 (76)	3-1/2	4.13 (105)	6.46 (164)	2.91 (74)	5/8 (16)	5/8 (16)	4.69 (119)	6.89 (175)
HP6449C12	4 (102)	6	5.12 (130)	8.74 (222)	3.00 (76)	5/8 (16)	5/8 (16)	5.63 (143)	9.69 (246)

HPR

Bronze Bolted Stud Connector

Stud to Cable

230kV and Below

Copper alloy connector to be installed on smooth or threaded stud. Cable can be straight or 90-degrees to stud. Electrical joint compound is recommended for all stud/cable contact surfaces.

CASTINGS: Copper Alloy

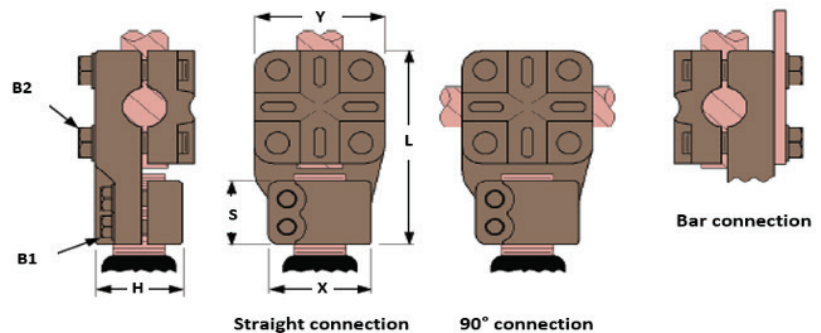
HARDWARE: Silicon Bronze

See page 172 for special order options such as tin plating, hardware materials and specific angles. Contact PLP for further details, unlisted option and/or special applications.

When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR5513C0.

Example of stud with 13 threads per inch is HPR5513C13.

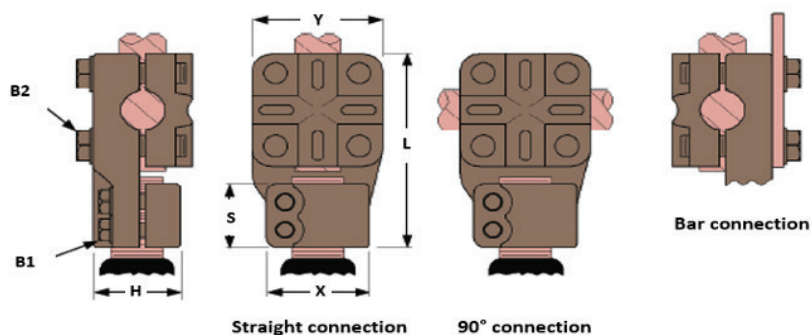


Part Number	Stud Diameter in (mm)	Cable		Dimensions						
		AWG/MCM	Diameter in (mm)	in (mm)						
				H	L	S	B1	B2	X	Y
HPR5513C13	1/2 (13)	6S - 4T*	.162 - .232 (4.1 - 5.9)	1.18 (30)	3.82 (97)	1.54 (39)	3/8 (10)	3/8 (10)	1.61 (41)	2.17 (55)
HPR5519C13	1/2 (13)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.18 (30)	4.13 (105)	1.54 (39)	3/8 (10)	3/8 (10)	1.61 (41)	2.83 (72)
HPR5528C12	1/2 (13)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.17 (55)
HPR55519C13	5/8 (16)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.30 (33)	4.13 (105)	1.54 (39)	3/8 (10)	3/8 (10)	1.61 (41)	2.83 (72)
HPR5619C12	3/4 (19)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.30 (33)	4.13 (105)	1.54 (39)	3/8 (10)	3/8 (10)	1.61 (41)	2.83 (72)
HPR5619C16	3/4 (19)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.30 (33)	4.13 (105)	1.54 (39)	3/8 (10)	3/8 (10)	1.61 (41)	2.17 (55)
HPR5628C12	3/4 (19)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.17 (55)
HPR5628C16	3/4 (19)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	1.61 (41)	2.83 (72)
HPR56519C14	7/8 (23)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.89 (48)	4.13 (105)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	1.89 (48)
HPR5713C14	1 (25)	6S - 4T*	.162 - .232 (4.1 - 5.9)	1.89 (48)	3.70 (94)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	1.89 (48)
HPR5719C14	1 (25)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.89 (48)	4.13 (105)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.17 (55)
HPR5728C14	1 (25)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.83 (72)
HPR5732C14	1 (25)	4/0T - 2000*	.528 - 1.632 (13.4 - 41.5)	1.89 (48)	5.55 (141)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	3.39 (86)
HPR57328C12	1-1/16 (27)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	1.89 (48)
HPR57513C12	1-1/8 (29)	6S - 4T*	.162 - .232 (4.1 - 5.9)	1.89 (48)	3.70 (94)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	1.89 (48)
HPR57519C12	1-1/8 (29)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.89 (48)	4.13 (105)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.17 (55)

*S denotes SOLID wire, and T denotes STRANDED wire

HPR CONTINUED

Bronze Bolted Stud Connector Stud to Cable 230kV and Below



When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR57528C0.

Example of stud with 12 threads per inch is HPR57528C12.

Part Number	Stud Diameter	Cable		Dimensions						
		AWG/MCM	Diameter	in (mm)						
	in (mm)			H	L	S	B1	B2	X	Y
HPR57528C12	1-1/8 (29)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.83 (72)
HPR57532C12	1-1/8 (29)	4/0T - 2000*	.528 - 1.632 (13.4 - 41.5)	1.89 (48)	5.55 (141)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	3.39 (86)
HPR57813C0	1-3/16 (30)	6S - 4T*	.162 - .232 (4.1 - 5.9)	1.89 (48)	3.70 (94)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	1.89 (48)
HPR57819C12	1-3/16 (30)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.89 (48)	4.13 (105)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.17 (55)
HPR57828C12	1-3/16 (30)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.83 (72)
HPR5813C12	1-1/4 (32)	6S - 4T*	.162 - .232 (4.1 - 5.9)	1.89 (48)	3.70 (94)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	1.89 (48)
HPR5819C12	1-1/4 (32)	6S - 500*	.162 - .814 (4.1 - 20.7)	1.89 (48)	4.13 (105)	1.61 (41)	3/8 (10)	3/8 (10)	2.24 (57)	2.17 (55)
HPR5828C12	1-1/4 (32)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	1.89 (48)	4.80 (122)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	2.83 (72)
HPR5832C12	1-1/4 (32)	4/0T - 2000*	.528 - 1.632 (13.4 - 41.5)	1.89 (48)	5.55 (141)	1.61 (41)	3/8 (10)	1/2 (13)	2.24 (57)	3.39 (86)
HPR58519C12	1-3/8 (35)	6S - 500*	.162 - .814 (4.1 - 20.7)	2.20 (56)	4.80 (122)	2.13 (54)	1/2 (13)	3/8 (10)	2.76 (70)	2.17 (55)
HPR58528C12	1-3/8 (35)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	2.20 (56)	5.47 (139)	2.13 (54)	1/2 (13)	1/2 (13)	2.76 (70)	2.83 (72)
HPR58532C12	1-3/8 (35)	4/0T - 2000*	.528 - 1.632 (13.4 - 41.5)	2.20 (56)	5.83 (148)	2.13 (54)	1/2 (13)	1/2 (13)	2.76 (70)	3.39 (86)
HPR5913C12	1-1/2 (38)	6S - 4T*	.162 - .232 (4.1 - 5.9)	2.20 (56)	4.41 (112)	2.13 (54)	1/2 (13)	3/8 (10)	2.76 (70)	1.89 (48)
HPR5919C12	1-1/2 (38)	6S - 500*	.162 - .814 (4.1 - 20.7)	2.20 (56)	4.80 (122)	2.13 (54)	1/2 (13)	3/8 (10)	2.76 (70)	2.17 (55)
HPR5928C12	1-1/2 (38)	2S - 1000*	.258 - 1.152 (6.6 - 29.3)	2.20 (56)	5.47 (139)	2.13 (54)	1/2 (13)	1/2 (13)	2.76 (70)	2.83 (72)
HPR5932C12	1-1/2 (38)	4/0T - 2000*	.528 - 1.632 (13.4 - 41.5)	2.20 (56)	5.83 (148)	2.13 (54)	1/2 (13)	1/2 (13)	2.76 (70)	3.39 (86)
HPR59319C12	1-5/8 (41)	6S - 500*	.162 - .814 (4.1 - 20.7)	2.56 (65)	5.04 (128)	2.13 (54)	1/2 (13)	3/8 (10)	3.00 (76)	2.17 (55)

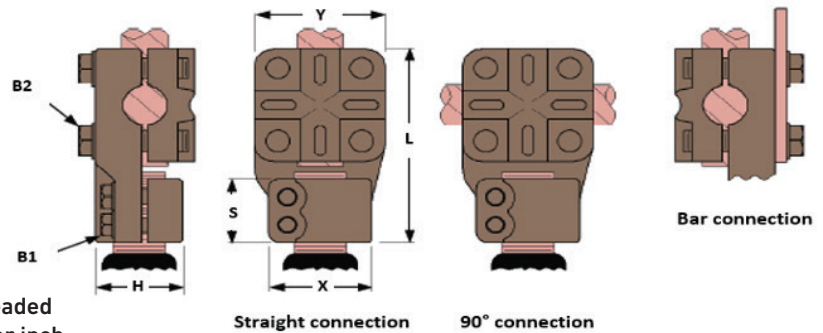
*S denotes SOLID wire, and T denotes STRANDED wire

HPR CONTINUED

Bronze Bolted Stud Connector

Stud to Cable

230kV and Below



When ordering, please specify if stud is smooth or threaded with the 'C' suffix followed by the number of threads per inch.

Example of smooth stud is HPR59328C0.

Example of stud with 12 threads per inch is HPR59328C12.

Part Number	Stud Diameter	Cable		Dimensions						
		AWG/MCM	Diameter	in (mm)						
	in (mm)		in (mm)	H	L	S	B1	B2	X	Y
HPR59328C12	1-5/8 (41)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	2.56 (65)	5.39 (137)	2.13 (54)	1/2 (13)	1/2 (13)	3.00 (76)	2.83 (72)
HPR59332C12	1-5/8 (41)	.528 - 1.632 (13.4 - 41.5)	4/0T - 2000*	2.87 (73)	6.18 (157)	2.13 (54)	1/2 (13)	1/2 (13)	3.39 (86)	3.39 (86)
HPR59519C12	1-3/4 (45)	.162 - .814 (4.1 - 20.7)	6S - 500*	2.56 (65)	5.04 (128)	2.13 (54)	1/2 (13)	3/8 (10)	3.00 (76)	2.17 (55)
HPR59528C12	1-3/4 (45)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	2.56 (65)	5.39 (137)	2.13 (54)	1/2 (13)	1/2 (13)	3.00 (76)	2.83 (72)
HPR59532C12	1-3/4 (45)	.528 - 1.632 (13.4 - 41.5)	4/0T - 2000*	2.87 (73)	6.18 (157)	2.13 (54)	1/2 (13)	1/2 (13)	3.39 (86)	3.39 (86)
HPR6013C12	2 (51)	.162 - .232 (4.1 - 5.9)	6S - 4T*	2.87 (73)	5.00 (127)	2.13 (54)	1/2 (13)	3/8 (10)	3.39 (86)	1.89 (48)
HPR6019C12	2 (51)	.162 - .814 (4.1 - 20.7)	6S - 500*	2.87 (73)	5.16 (131)	2.13 (54)	1/2 (13)	3/8 (10)	3.39 (86)	2.17 (55)
HPR6028C12	2 (51)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	2.87 (73)	5.51 (140)	2.13 (54)	1/2 (13)	1/2 (13)	3.39 (86)	2.83 (72)
HPR6032C12	2 (51)	.528 - 1.632 (13.4 - 41.5)	4/0T - 2000*	2.87 (73)	6.18 (157)	2.13 (54)	1/2 (13)	1/2 (13)	3.39 (86)	3.39 (86)
HPR60519C12	2-1/4 (57)	.162 - .814 (4.1 - 20.7)	6S - 500*	3.54 (90)	5.39 (137)	2.52 (64)	1/2 (13)	3/8 (10)	3.86 (98)	2.17 (55)
HPR60532C12	2-1/4 (57)	.528 - 1.632 (13.4 - 41.5)	4/0T - 2000*	3.54 (90)	6.42 (163)	2.52 (64)	1/2 (13)	1/2 (13)	3.86 (98)	3.39 (86)
HPR6119C12	2-1/2 (64)	.162 - .814 (4.1 - 20.7)	6S - 500*	3.54 (90)	5.39 (137)	2.52 (64)	1/2 (13)	3/8 (10)	3.86 (98)	2.17 (55)
HPR6128C12	2-1/2 (64)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	3.54 (90)	5.83 (148)	2.52 (64)	1/2 (13)	1/2 (13)	3.86 (98)	2.83 (72)
HPR6132C12	2-1/2 (64)	.528 - 1.632 (13.4 - 41.5)	4/0T - 2000*	3.54 (90)	6.42 (163)	2.52 (64)	1/2 (13)	1/2 (13)	3.86 (98)	3.39 (86)
HPR6213C12	3 (76)	.162 - .232 (4.1 - 5.9)	6S - 4T*	4.02 (102)	5.59 (142)	2.95 (75)	5/8 (16)	3/8 (10)	4.80 (122)	1.89 (48)
HPR6219C12	3 (76)	.162 - .814 (4.1 - 20.7)	6S - 500*	4.02 (102)	5.59 (142)	2.95 (75)	5/8 (16)	3/8 (10)	4.80 (122)	2.17 (55)
HPR6228C12	3 (76)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	4.02 (102)	6.50 (165)	2.95 (75)	5/8 (16)	1/2 (13)	4.80 (122)	2.83 (72)
HPR6428C12	4 (102)	.258 - 1.152 (6.6 - 29.3)	2S - 1000*	5.24 (133)	7.01 (178)	3.07 (78)	5/8 (16)	1/2 (13)	5.63 (143)	2.83 (72)

*S denotes SOLID wire, and T denotes STRANDED wire