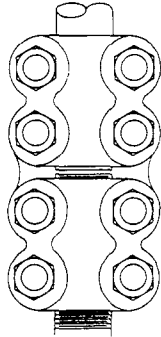


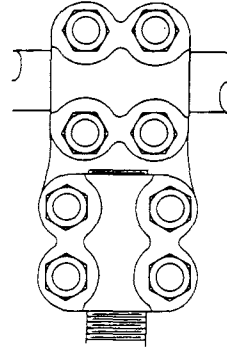
POWER CONNECTORS

STUD CONNECTORS PICTORIAL INDEX

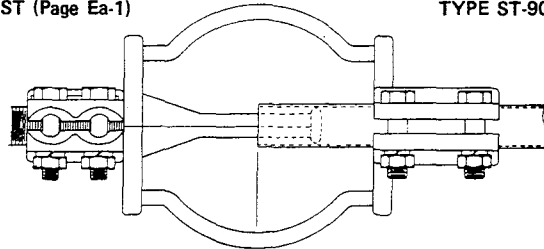
SECTION Ea



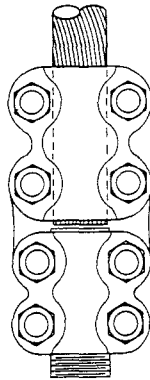
TYPE ST (Page Ea-1)



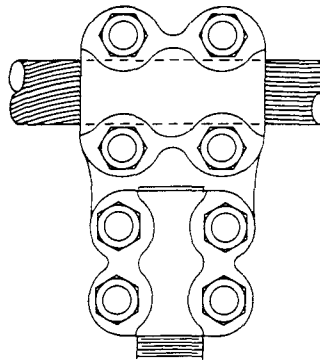
TYPE ST-90 (Page Ea-2)



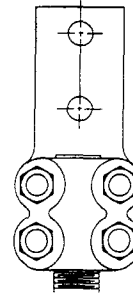
TYPE TLS (Page Ea-3)



TYPE SCR (Page Ea-4)



TYPE SCR-90 (Page Ea-5)



TYPE STR-1 (Page Ea-6)

Ea-Stud Conn

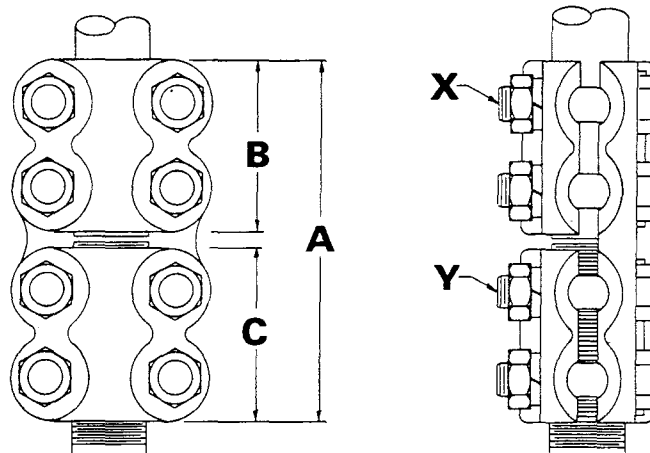
ROYAL SWITCHGEAR MANUFACTURING CO.

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POWER CONNECTORS Ea-1

CONNECTOR STUD

TYPE ST



Ea-Stud Conn

CAT. NO.	STUD SIZE	IPS SIZE	DIMENSIONS IN INCHES			X		Y	
			A	B	C	NO.	SIZE	NO.	SIZE
ST-0707-16	3/4-16	3/4	4-3/4	2-1/2	2	4	1/2	4	1/2
ST-0710-16	3/4-16	1	4-3/4	2-1/2	2	4	1/2	4	1/2
ST-1007-14	1-14	3/4	4-3/4	2-1/2	2	4	1/2	4	1/2
ST-1010-14	1-14	1	4-3/4	2-1/2	2	4	1/2	4	1/2
ST-1012-14	1-14	1-1/4	5-1/4	3	2	4	1/2	4	1/2
ST-1107-12	1-1/8-12	3/4	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-1110-12	1-1/8-12	1	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-1112-12	1-1/8-12	1-1/4	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1115-12	1-1/8-12	1-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1207-12	1-1/4-12	3/4	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-1210-12	1-1/4-12	1	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-1212-12	1-1/4-12	1-1/4	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1215-12	1-1/4-12	1-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1510-12	1-1/2-12	1	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-1512-12	1-1/2-12	1-1/4	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1515-12	1-1/2-12	1-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1520-12	1-1/2-12	2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-1525-12	1-1/2-12	2-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-2010-12	2-12	1	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
ST-2012-12	2-12	1-1/4	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-2015-12	2-12	1-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-2020-12	2-12	2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-2025-12	2-12	2-1/2	5-3/4	3	2-1/2	4	1/2	4	1/2
ST-2030-12	2-12	3	6-1/4	3-1/2	2-1/2	4	5/8	4	1/2
ST-3020-12	3-12	2	6-1/4	3	3	4	1/2	4	5/8
ST-3025-12	3-12	2-1/2	6-1/4	3	3	4	1/2	4	5/8
ST-3030-12	3-12	3	6-3/4	3-1/2	3	4	5/8	4	5/8
ST-3035-12	3-12	3-1/2	7-1/4	4	3	4	5/8	4	5/8
ST-3040-12	3-12	4	7-1/4	4	3	4	5/8	4	5/8

Example for Ordering: Royal ST-1110-12 Aluminum Stud Connector for 1-1/8"-12 thd. stud to 1" IPS Aluminum Tubing.

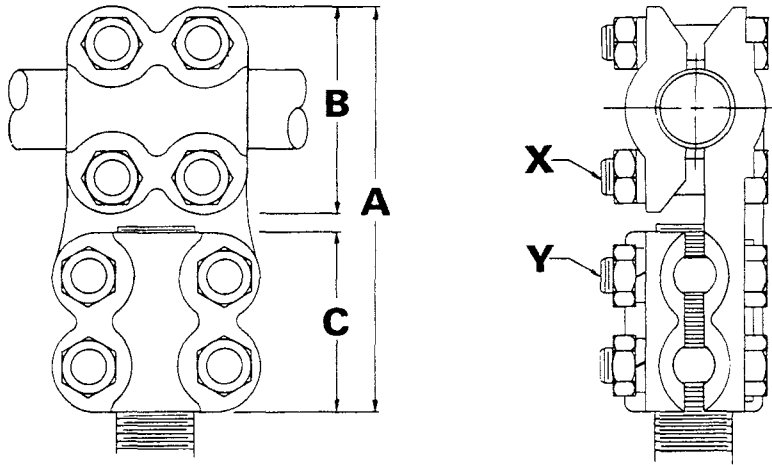
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Ea-2 POWER CONNECTORS

STUD CONNECTOR

TYPE ST-90



CAT. NO.	STUD SIZE	IPS SIZE	DIMENSIONS IN INCHES			X		Y	
			A	B	C	NO.	SIZE	NO.	SIZE
ST-0707-90-16	3/4-16	3/4	5-1/8	2-7/8	2	4	1/2	4	1/2
ST-0710-90-16	3/4-16	1	5-5/8	3-3/8	2	4	1/2	4	1/2
ST-1007-90-14	1-14	3/4	5-1/8	2-7/8	2	4	1/2	4	1/2
ST-1010-90-14	1-14	1	5-5/8	3-3/8	2	4	1/2	4	1/2
ST-1012-90-14	1-14	1-1/4	6	3-3/4	2	4	1/2	4	1/2
ST-1107-90-12	1-1/8-12	3/4	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
ST-1110-90-12	1-1/8-12	1	6-1/8	3-3/8	2-1/2	4	1/2	4	1/2
ST-1112-90-12	1-1/8-12	1-1/4	6-1/2	3-3/4	2-1/2	4	1/2	4	1/2
ST-1115-90-12	1-1/8-12	1-1/2	6-3/4	4	2-1/2	4	1/2	4	1/2
ST-1207-90-12	1-1/4-12	3/4	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
ST-1210-90-12	1-1/4-12	1	6-1/8	3-3/8	2-1/2	4	1/2	4	1/2
ST-1212-90-12	1-1/4-12	1-1/4	6-1/2	3-3/4	2-1/2	4	1/2	4	1/2
ST-1215-90-12	1-1/4-12	1-1/2	6-3/4	4	2-1/2	4	1/2	4	1/2
ST-1510-90-12	1-1/2-12	1	6-1/8	3-3/8	2-1/2	4	1/2	4	1/2
ST-1512-90-12	1-1/2-12	1-1/4	6-1/2	3-3/4	2-1/2	4	1/2	4	1/2
ST-1515-90-12	1-1/2-12	1-1/2	6-3/4	4	2-1/2	4	1/2	4	1/2
ST-1520-90-12	1-1/2-12	2	7-1/4	4-1/2	2-1/2	4	1/2	4	1/2
ST-1525-90-12	1-1/2-12	2-1/2	7-3/4	5	2-1/2	4	1/2	4	1/2
ST-2010-90-12	2-12	1	6-1/8	3-3/8	2-1/2	4	1/2	4	1/2
ST-2012-90-12	2-12	1-1/4	6-1/2	3-3/4	2-1/2	4	1/2	4	1/2
ST-2015-90-12	2-12	1-1/2	6-3/4	4	2-1/2	4	1/2	4	1/2
ST-2020-90-12	2-12	2	7-1/4	4-1/2	2-1/2	4	1/2	4	1/2
ST-2025-90-12	2-12	2-1/2	7-3/4	5	2-1/2	4	1/2	4	1/2
ST-2030-90-12	2-12	3	8-3/4	6	2-1/2	4	5/8	4	1/2
ST-3020-90-12	3-12	2	7-3/4	4-1/2	3	4	1/2	4	5/8
ST-3025-90-12	3-12	2-1/2	8-1/4	5	3	4	1/2	4	5/8
ST-3030-90-12	3-12	3	9-1/4	6	3	4	5/8	4	5/8
ST-3035-90-12	3-12	3-1/2	10	6-3/4	3	4	5/8	4	5/8
ST-3040-90-12	3-12	4	10-1/2	7-1/4	3	4	5/8	4	5/8

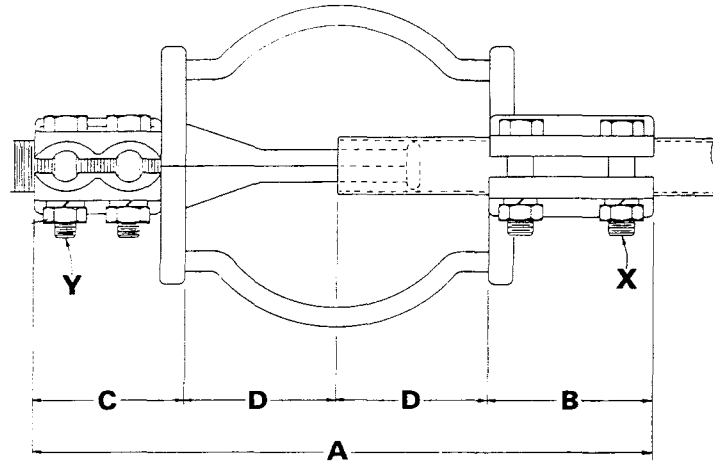
Example for Ordering: Royal ST-3040-90-12 Aluminum Stud Connector for 3"-12 thd. stud to 4" IPS Aluminum Tubing.

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EXPANSION STUD CONNECTOR

TYPE TLS



Ea-Stud Conn

CAT. NO.	STUD SIZE	IPS SIZE	DIMENSIONS IN INCHES				X		Y	
			A	B	C	D	NO.	SIZE	NO.	SIZE
TLS-0707-16	3/4-16	3/4	12-1/4	3-1/4	2-1/2	3-1/4	4	1/2	4	1/2
TLS-0710-16	3/4-16	1	12-1/4	3-1/4	2-1/2	3-1/4	4	1/2	4	1/2
TLS-1007-14	1-14	3/4	12-1/4	3-1/4	2-1/2	3-1/4	4	1/2	4	1/2
TLS-1010-14	1-14	1	12-1/4	3-1/4	2-1/2	3-1/4	4	1/2	4	1/2
TLS-1012-14	1-14	1-1/4	12-3/4	3-3/4	2-1/2	3-1/4	4	1/2	4	1/2
TLS-1107-12	1-1/8-12	3/4	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-1110-12	1-1/8-12	1	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-1112-12	1-1/8-12	1-1/4	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1115-12	1-1/8-12	1-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1207-12	1-1/4-12	3/4	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-1210-12	1-1/4-12	1	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-1212-12	1-1/4-12	1-1/4	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1215-12	1-1/4-12	1-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1510-12	1-1/2-12	1	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-1512-12	1-1/2-12	1-1/4	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1515-12	1-1/2-12	1-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1520-12	1-1/2-12	2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-1525-12	1-1/2-12	2-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-2010-12	2-12	1	12-3/4	3-1/4	3	3-1/4	4	1/2	4	1/2
TLS-2012-12	2-12	1-1/4	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-2015-12	2-12	1-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-2020-12	2-12	2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-2025-12	2-12	2-1/2	13-1/4	3-3/4	3	3-1/4	4	1/2	4	1/2
TLS-2030-12	2-12	3	13-1/2	4	3	3-1/4	4	5/8	4	1/2
TLS-3020-12	3-12	2	13-3/4	3-3/4	3-1/2	3-1/4	4	1/2	4	5/8
TLS-3025-12	3-12	2-1/2	13-3/4	3-3/4	3-1/2	3-1/4	4	1/2	4	5/8
TLS-3030-12	3-12	3	14	4	3-1/2	3-1/4	4	5/8	4	5/8
TLS-3035-12	3-12	3-1/2	14	4	3-1/2	3-1/4	4	5/8	4	5/8
TLS-3040-12	3-12	4	14	4	3-1/2	3-1/4	4	5/8	4	5/8

Example for Ordering: Royal TLS-2015-12 Aluminum Expansion Stud Connector for 2"-12 thd. stud to 1-1/2" IPS Aluminum Tubing.

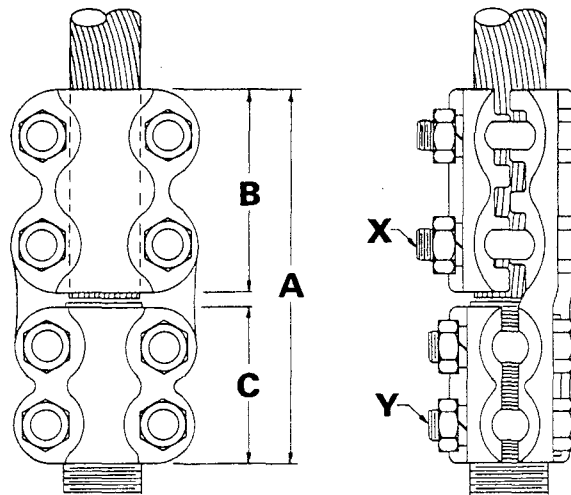
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Ea-4 POWER CONNECTORS

CONNECTOR STUD

TYPE SCR



CAT. NO.	STUD SIZE	CONDUCTOR SIZE		DIMENSIONS IN INCHES			X		Y	
		ALUM	ACSR	A	B	C	NO.	SIZE	NO.	SIZE
SCR-0706-16	3/4-16	6-250	6-4/0	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-0708-16	3/4-16	250-400	4/0-336	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-1006-14	1-14	6-250	6-4/0	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-1008-14	1-14	250-400	4/0-336	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-1009-14	1-14	350-600	336-477	5-1/2	3-1/4	2	4	1/2	4	1/2
SCR-1106-12	1-1/8-12	6-250	6-4/0	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1108-12	1-1/8-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1109-12	1-1/8-12	350-600	336-477	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1111-12	1-1/8-12	600-900	556-715	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1206-12	1-1/4-12	6-250	6-4/0	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1208-12	1-1/4-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1209-12	1-1/4-12	350-600	336-477	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1211-12	1-1/4-12	600-900	556-715	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1508-12	1-1/2-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1509-12	1-1/2-12	350-600	336-477	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1511-12	1-1/2-12	600-900	556-715	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1513-12	1-1/2-12	715-1033	636-954	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-1514-12	1-1/2-12	954-1431	795-1272	6-1/4	3-1/2	2-1/2	4	1/2	4	1/2
SCR-2009-12	2-12	350-600	336-477	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-2011-12	2-12	600-900	556-715	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-2013-12	2-12	715-1033	636-954	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-2014-12	2-12	954-1431	795-1272	6-1/4	3-1/2	2-1/2	4	1/2	4	1/2
SCR-2016-12	2-12	1272-1750	1113-1590	6-1/4	3-1/2	2-1/2	4	5/8	4	1/2
SCR-3011-12	3-12	600-900	556-715	6-1/2	3-1/4	3	4	1/2	4	5/8
SCR-3013-12	3-12	715-1033	636-954	6-1/2	3-1/4	3	4	1/2	4	5/8
SCR-3014-12	3-12	954-1431	795-1272	6-3/4	3-1/2	3	4	1/2	4	5/8
SCR-3016-12	3-12	1272-1750	1113-1590	6-3/4	3-1/2	3	4	5/8	4	5/8
SCR-3017-12	3-12	1590-2000	1.453 - 1.630 Dia.	6-3/4	3-1/2	3	4	5/8	4	5/8

Example for Ordering: Royal SCR-1508-12 Aluminum Stud Connector for 1-1/2"-12 thd. stud to 250-400 MCM Aluminum or 4/0-336.4 ACSR.

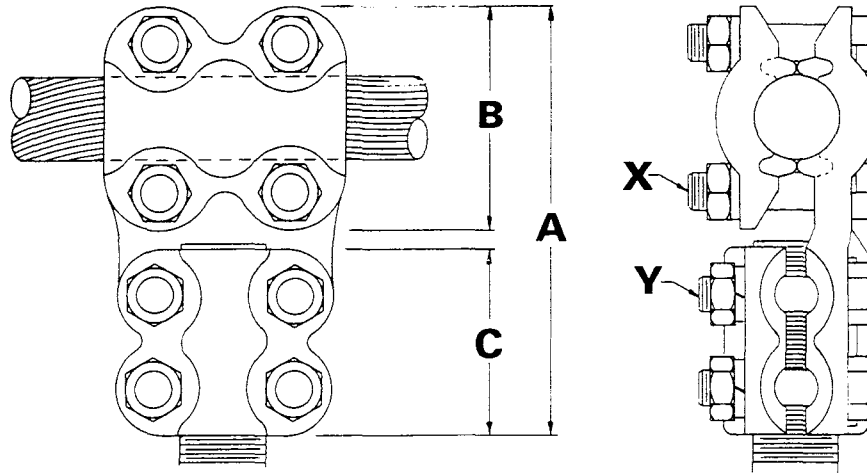
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POWER CONNECTORS **Ea-5**

STUD CONNECTOR

TYPE SCR-90



Ea-Stud Conn

CAT. NO.	STUD SIZE	CONDUCTOR SIZE		DIMENSIONS IN INCHES			X		Y	
		ALUM	ACSR	A	B	C	NO.	SIZE	NO.	SIZE
SCR-0706-90-16	3/4-16	6-250	6-4/0	4-1/2	2-1/4	2	4	1/2	4	1/2
SCR-0708-90-16	3/4-16	250-400	4/0-336	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-1006-90-14	1-14	6-250	6-4/0	4-1/2	2-1/4	2	4	1/2	4	1/2
SCR-1008-90-14	1-14	250-400	4/0-336	4-3/4	2-1/2	2	4	1/2	4	1/2
SCR-1009-90-14	1-14	350-600	336-477	4-7/8	2-5/8	2	4	1/2	4	1/2
SCR-1106-90-12	1-1/8-12	6-250	6-4/0	5	2-1/4	2-1/2	4	1/2	4	1/2
SCR-1108-90-12	1-1/8-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1109-90-12	1-1/8-12	350-600	336-477	5-3/8	2-5/8	2-1/2	4	1/2	4	1/2
SCR-1111-90-12	1-1/8-12	600-900	556-715	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
SCR-1206-90-12	1-1/4-12	6-250	6-4/0	5	2-1/4	2-1/2	4	1/2	4	1/2
SCR-1208-90-12	1-1/4-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1209-90-12	1-1/4-12	350-600	336-477	5-3/8	2-5/8	2-1/2	4	1/2	4	1/2
SCR-1211-90-12	1-1/4-12	600-900	556-715	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
SCR-1508-90-12	1-1/2-12	250-400	4/0-336	5-1/4	2-1/2	2-1/2	4	1/2	4	1/2
SCR-1509-90-12	1-1/2-12	350-600	336-477	5-3/8	2-5/8	2-1/2	4	1/2	4	1/2
SCR-1511-90-12	1-1/2-12	600-900	556-715	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
SCR-1513-90-12	1-1/2-12	715-1033	636-954	5-3/4	3	2-1/2	4	1/2	4	1/2
SCR-1514-90-12	1-1/2-12	954-1431	795-1272	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-2009-90-12	2-12	350-600	336-477	5-3/8	2-5/8	2-1/2	4	1/2	4	1/2
SCR-2011-90-12	2-12	600-900	556-715	5-5/8	2-7/8	2-1/2	4	1/2	4	1/2
SCR-2013-90-12	2-12	715-1033	636-954	5-3/4	3	2-1/2	4	1/2	4	1/2
SCR-2014-90-12	2-12	954-1431	795-1272	6	3-1/4	2-1/2	4	1/2	4	1/2
SCR-2016-90-12	2-12	1272-1750	1113-1590	6-3/8	3-5/8	2-1/2	4	5/8	4	1/2
SCR-3011-90-12	3-12	600-900	556-715	6-1/8	2-7/8	3	4	1/2	4	5/8
SCR-3013-90-12	3-12	715-1033	636-954	6-1/4	3	3	4	1/2	4	5/8
SCR-3014-90-12	3-12	954-1431	795-1272	6-1/2	3-1/4	3	4	1/2	4	5/8
SCR-3016-90-12	3-12	1272-1750	1113-1590	6-7/8	3-5/8	3	4	5/8	4	5/8
SCR-3017-90-12	3-12	1590-2000	1.453 - 1.630 Dia.	7-1/8	3-7/8	3	4	5/8	4	5/8

Example for Ordering: Royal SCR-2016-90-12 Aluminum Stud Connector for 2"-12 thd. stud to 1272-1750 MCM Aluminum or 1113-1590 MCM ACSR.

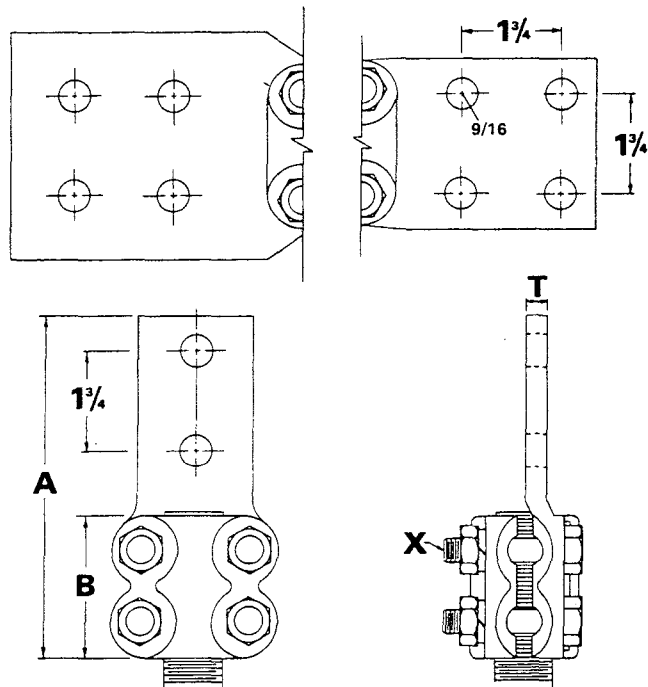
ROYAL SWITCHGEAR MANUFACTURING CO.

3995 Pine Lane SE • Bessemer, AL 35023 • (205) 426-4090 • FAX (205) 426-4095

Ea-6 POWER CONNECTORS

STUD CONNECTOR

TYPE STR-1



CAT. NO.	STUD SIZE	PAD SIZE	DIMENSIONS IN INCHES			X	
			A	B	T	NO.	SIZE
STR-07-2N-16	3/4-16	2 x 3-1/4	5-1/2	2	1/2	4	1/2
STR-07-3N-16	3/4-16	3 x 3-1/4	5-1/2	2	3/8	4	1/2
STR-10-2N-14	1-14	2 x 3-1/4	5-1/2	2	3/4	4	1/2
STR-10-3N-14	1-14	3 x 3-1/4	5-1/2	2	1/2	4	1/2
STR-11-2N-12	1-1/8-12	2 x 3-1/4	6	2-1/2	3/4	4	1/2
STR-11-3N-12	1-1/8-12	3 x 3-1/4	6	2-1/2	1/2	4	1/2
STR-11-4N-12	1-1/8-12	4 x 4-1/4	7	2-1/2	3/8	4	1/2
STR-12-2N-12	1-1/4-12	2 x 3-1/4	6	2-1/2	7/8	4	1/2
STR-12-3N-12	1-1/4-12	3 x 3-1/4	6	2-1/2	5/8	4	1/2
STR-12-4N-12	1-1/4-12	4 x 4-1/4	7	2-1/2	1/2	4	1/2
STR-15-2N-12	1-1/2-12	2 x 3-1/4	6	2-1/2	1-1/8	4	1/2
STR-15-3N-12	1-1/2-12	3 x 3-1/4	6	2-1/2	3/4	4	1/2
STR-15-4N-12	1-1/2-12	4 x 4-1/4	7	2-1/2	9/16	4	1/2
STR-20-3N-12	2-12	3 x 3-1/4	6	2-1/2	1	4	1/2
STR-20-4N-12	2-12	4 x 4-1/4	7	2-1/2	3/4	4	1/2
STR-30-3N-12	3-12	3 x 3-1/4	6-1/2	3	1-1/2	4	5/8
STR-30-4N-12	3-12	4 x 4-1/4	7-1/2	3	1-1/8	4	5/8

Example for Ordering: Royal STR-11-2N-12 Aluminum Stud Connector for 1-1/8"-12 thd. stud to 2" x 3-1/4" NEMA 2 hole Pad.

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