



RSSS SERIES STAINLESS STEEL CORD GRIPS



RSSS SERIES STAINLESS STEEL CORROSION-RESISTANT CORD CONNECTORS

The Tuff-Seal™ RSSS series of corrosion-resistant cord connectors feature a body and compression nut made of Type 304 stainless steel with exceptional tensile strength and the highest levels of durability in severely corrosive environments filled with saltwater, acids or chemicals. All RSSS connectors include an embedded Buna-N O-Ring. These connectors are recommended for use in washdowns or high moisture environments in food processing plants, petrochemical facilities, wastewater treatment plants, pulp & paper mills and chemical manufacturing factories. (Note: Type 316 stainless steel also available upon request and minimums may apply.)

All RSSS connectors can be ordered with or without wire mesh attachments and accommodate conduit sizes from 3/8" to 2 1/2".

The combination tightening surface on RSSS Corrosion-Resistant Connectors is a unique Remke design that provides a large wrenching area for easy installation.

NOTES

SPECIAL CONFIGURATIONS

Special configurations and materials are available. Consult factory.

Dimension & certification information on pages G-52 to G-66 in Tuff-Seal Technical Reference.

All wire mesh is stainless steel.

For conduit sizes 1 1/4" through 2 1/2" minimum quantities may apply. Consult factory.



COMPLETE ASSEMBLY PART NUMBERS

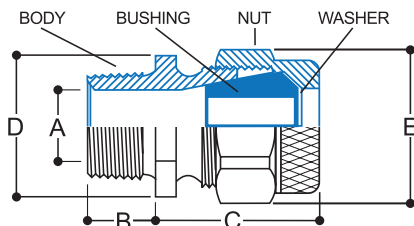
RSSS SERIES STAINLESS STEEL CORD GRIPS

Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
3/8"	.125 – .188	RSSS-003	—
	.188 – .250	RSSS-004	RSSS-004-E
	.250 – .312	RSSS-005	RSSS-005-E
	.312 – .375	RSSS-006	RSSS-006-E
	.375 – .438	RSSS-007	RSSS-007-E
1/2"	.125 – .188	RSSS-103	—
	.188 – .250	RSSS-104	RSSS-104-E
	.250 – .312	RSSS-105	RSSS-105-E
	.312 – .375	RSSS-106	RSSS-106-E
	.375 – .438	RSSS-107	RSSS-107-E
	.438 – .500	RSSS-108	RSSS-108-E
	.500 – .562	RSSS-109	RSSS-109-E
	.562 – .625	RSSS-110*	RSSS-110-E
3/4"	.438 – .500	RSSS-208	RSSS-208-E
	.500 – .562	RSSS-209	RSSS-209-E
	.500 – .625	RSSS-210	RSSS-210-E
	.562 – .688	RSSS-211	RSSS-211-E
	.625 – .750	RSSS-212	RSSS-212-E
1"	.688 – .812	RSSS-213*	RSSS-213-E
	.438 – .562	RSSS-309	RSSS-309-E
	.500 – .625	RSSS-310	RSSS-310-E
	.562 – .688	RSSS-311	RSSS-311-E
	.625 – .750	RSSS-312	RSSS-312-E
	.688 – .812	RSSS-313	RSSS-313-E
	.750 – .875	RSSS-314	RSSS-314-E
	.812 – .938	RSSS-315	RSSS-315-E
1 1/4"	.875 – 1.000	RSSS-316	RSSS-316-E
	.562 – .688	RSSS-411	—
	.688 – .812	RSSS-413	—
	.750 – .875	RSSS-414	RSSS-414-E
	.875 – 1.000	RSSS-416	RSSS-416-E
	1.000 – 1.125	RSSS-418	RSSS-418-E
	1.125 – 1.250	RSSS-420*	RSSS-420-E
1 1/2"	1.250 – 1.375	RSSS-422*	RSSS-422-E
	.562 – .688	RSSS-511	—
	.688 – .812	RSSS-513	—
	.750 – .875	RSSS-514	RSSS-514-E
	.875 – 1.000	RSSS-516	RSSS-516-E
	1.000 – 1.125	RSSS-518	RSSS-518-E
	1.125 – 1.250	RSSS-520	RSSS-520-E
2"	1.250 – 1.375	RSSS-522	RSSS-522-E
	1.250 – 1.375	RSSS-622	RSSS-622-E
	1.438 – 1.562	RSSS-625	RSSS-625-E
	1.562 – 1.688	RSSS-627	RSSS-627-E
	1.688 – 1.812	RSSS-629	RSSS-629-E
	1.688 – 1.812	RSSS-6729	RSSS-6729-E
	1.812 – 1.938	RSSS-6731	RSSS-6731-E
	1.938 – 2.062	RSSS-6733*	RSSS-6733-E
	2.062 – 2.188	RSSS-6735*	RSSS-6735-E
	2.188 – 2.312	RSSS-6737*	RSSS-6737-E
2 1/2"	2.312 – 2.438	RSSS-6739*	RSSS-6739-E
	1.688 – 1.812	RSSS-729	RSSS-729-E
	1.812 – 1.938	RSSS-731	RSSS-731-E
	1.938 – 2.062	RSSS-733	RSSS-733-E
	2.062 – 2.188	RSSS-735	RSSS-735-E
	2.188 – 2.312	RSSS-737	RSSS-737-E
3"	2.312 – 2.438	RSSS-739*	RSSS-739-E
	2.437 – 2.635	RSSS-901	RSSS-901-E
	2.625 – 2.812	RSSS-902	RSSS-902-E
	2.812 – 3.000	RSSS-903	RSSS-903-E
	3.000 – 3.250	RSSS-904	RSSS-904-E

*Cable may have to be stripped to pass through the bore of the body

Stainless Steel cord grips are available in 3 1/2 & 4 inch NPT.
Contact factory for availability.

RSR STRAIGHT CORD GRIP DIMENSIONS



ALUMINUM AND NICKEL-PLATED ALUMINUM

Conduit Size	RSR Series	Form Size	A Inside Body Dia.	B	C	D Body Hex	E Nut
1/4"	0000	1	0.34	0.44	0.96	0.88	0.96
3/8"	000	1	0.47	0.44	0.96	0.88	0.96
1/2"	1000	1	0.47	0.44	0.95	0.88	0.96
1/2"	100	2	0.61	0.56	1.12	1.00	1.25
1/2"	1200	3	0.62	0.54	1.40	1.25	1.53
3/4"	2100	2	0.61	0.56	1.20	1.12	1.25
3/4"	200	3	0.80	0.57	1.42	1.25	1.53
3/4"	2300	4	0.81	0.57	1.49	1.37	1.72
1"	300	4	0.99	0.62	1.46	1.44	1.72
1"	3500	5	1.06	0.69	1.91	2.00	2.47
1 1/4"	400	5	1.32	0.69	1.80	2.00	2.00
1 1/2"	500	5	1.43	0.69	1.84	2.25	2.47
1 1/2"	5600	6	1.50	0.80	2.39	2.62	2.97
2"	600	6	2.00	0.80	2.39	2.83	2.97
2"	6700	7	1.90	0.80	3.32	4.00	4.20
2 1/2"	700	7	2.36	1.28	3.19	4.00	4.20
3"	8700	7	2.35	1.31	3.07	4.00	4.20
3"	900	9	3.05	1.39	3.14	4.75	4.00
3 1/2"	1150	8	3.25	1.47	4.65	5.36	6.22
4"	1250	9	3.60	1.47	4.86	5.82	6.66

Dimension A is the minimum Inside Body Diameter. Other dimensions are nominal.

Dimension E is cross corners of the nut.

NYLON AND VALOX

Conduit Size	Form Size	A Inside Body Dia.	B	C	D Body Hex	E Nut
3/8"	1	0.44	0.49	0.70	0.94	0.94
1/2"	2	0.50	0.88	1.12	1.25	1.25
3/4"	3	0.56	0.88	1.38	1.50	1.50

STEEL

Conduit Size	Form Size	A Inside Body Dia.	B	C	D Body Hex	E Nut
3/8"	1	0.47	0.44	0.56	0.88	0.88
1/2"	2	0.62	0.56	0.69	1.00	1.26
3/4"	3	0.81	0.56	0.85	1.25	1.37
1"	4	0.99	0.63	0.94	1.43	1.56

STAINLESS STEEL

Conduit Size	RSSS SERIES	Form Size	A Inside Body Dia.	B	C	D Body Hex	E Nut
3/8"	000	1	0.47	0.44	0.88	0.94	0.96
1/2"	100	2	0.61	0.56	1.18	1.12	1.25
3/4"	200	3	0.81	0.57	1.44	1.37	1.50
1"	300	4	0.99	0.62	1.49	1.56	1.72
1 1/4"	400	5	1.32	0.69	2.04	2.00	2.48
1 1/2"	500	5	1.44	0.69	1.93	2.25	2.48
2"	600	6	2.00	0.80	2.43	2.83	2.97
2 1/2"	700	7	2.36	1.25	2.96	3.75	3.95
3"	900	9	3.05	1.39	3.01	4.75	5.00
3 1/2"	1150	11	3.00	1.47	4.41	5.36	6.22
4"	1250	12	3.60	1.47	4.53	5.82	6.66



TUFF-SEAL™ TECHNICAL REFERENCE SECTION

RoHS STATEMENT

Remke Industries supports the European Union's efforts to remove harmful chemicals from electrical products. In compliance with Directive 2011/65/EU of the European Parliament and the Council of the European Union regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), Remke Industries certifies either:

1. The maximum concentration values of weight in homogenous materials for the substances referred to in Article 4(1) of directive 2002/95/EC that are contained in the Products do not exceed the maximum concentration values of 0.1% in respect of lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers, and 0.01% in respect of cadmium. OR

2. The product supplied is exempt from this directive.

Remke Industries certifies that all products of our manufacture are fully compliant to the current RoHS Directive.



ISO CERTIFICATION

On July 1st, 2003 Remke Industries received ISO 9001 : 2000 certification which certifies that Remke is compliant with current ISO standards.

KNOCKOUT DIMENSIONS

N.P.T. Hub Size	Knockout Hole Recommended (Min to Max/Inches)
1/4"	.540 to .570
3/8"	.671 to .701
1/2"	.859 to .906
3/4"	1.094 to 1.141
1"	1.359 to 1.406
1 1/4"	1.719 to 1.766
1 1/2"	1.969 to 2.016
2"	2.453 to 2.500
2 1/2"	2.953 to 3.000
3"	3.578 to 3.625
3 1/2"	3.570 TO 4.040
4"	4.550 TO 4.630

OPERATING TEMPERATURES

Material	Temperature range
Aluminum	-40°F to +300°F (-40°C to +149°C)
Buna-N	-40°F to +250°F (-40°C to +121°C)
Nylon	-40°F to +225°F (-40°C to +107°C)
Steel	-60°F to +1000°F (-51°C to +537°C)
Stainless Steel	-60°F to +1000°F (-51°C to +537°C)
Neoprene (bushings)	-40°F to +250°F (-40°C to +121°C)
Silicone (bushings)	-150°F to + 390°F (-101°C to +199°C)
Valox	-40°F to +250°F (-40°C to +121°C)
Dome-Cap Connectors:	
Non-Metallic	-22°F to +176°F (-30°C to +80°C)
Metallic	-40°F to +212°F (-40°C to +100°C)

FLAMMABILITY

Component	Rating
Mesh Grip	UL 94HB
Fitting	UL 94V-2
Note: Non-metallic cord connectors will not support combustion.	

APPROVALS, CERTIFICATION & COMPLIANCES

AGENCY	FILE NUMBER	PRODUCT OR COMPONENT
Underwriters Laboratories Inc. (UL)	E53599	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRs Cord Grips RSRF Series
	E52002	Liqua-Seal Connectors
	E52002(N)	WH Series Watertight Conduit Hubs
	E157356(N)	WH Series Watertight Conduit Hubs
Canadian Standards Association (CSA)	28985	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSRS Cord Grips RSRF Series RSSS Series RSPV Series RTK Series MC Cable Connectors Watertight Conduit Hubs
National Electrical Code (NEC)	Articles 400-10	RSR Series (Straight, 90°, 45°)
	Articles 400-14	RSP Series (Straight, 90°) RSM Cord Grips RSRS Cord Grips RSRF Series
	Articles 501-4(B)	WH Series Watertight Conduit Hubs
	Articles 502-4(A)	WH Series Watertight Conduit Hubs
	Articles 503-3(A)	WH Series Watertight Conduit Hubs
ROHS & WEE	All Tuff-Seal and Tuff-Link Products are Compliant	

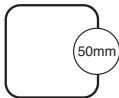

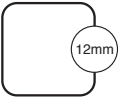
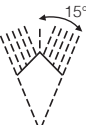
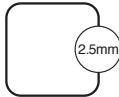
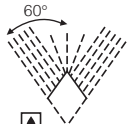
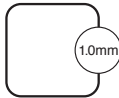


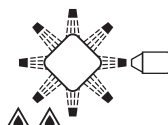


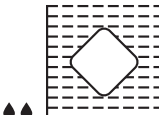
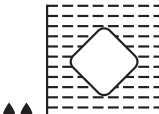
HAZARDOUS LOCATIONS

Definition	Remke Products
The Remke products listed are suitable for use in hazardous locations per Class I, Div. 2, Class II, Div 1 & 2, and Class III, Div. 1 & 2	RSR Series (Straight, 90°, 45°) WH Series Watertight Conduit Hubs RSP Series (Straight, 90°) RSM Cord Grips, RSRS Cord Grips RSRF Series

RATINGS/MATERIAL OF CONSTRUCTION

MATERIAL	IP 54 AND NEMA 3	IP 54 AND NEMA 3R	IP65 AND NEMA 4	IP 56 AND NEMA 4X	IP67 AND NEMA 6	IP 52 AND NEMA 12
Aluminum	X	X	X	—	X	X
Nickel-Plated Aluminum	X	X	X	X	X	X
Steel	X	X	X	—	X	X
Stainless Steel	X	X	X	X	X	X
Nylon	X	X	X	—	X	X
Valox	X	X	X	X	X	X

IP RATINGS DEFINITION

First Digit	Protection From Solid Objects	Second Digit	Protection From Moisture
0	Non-Protected	0	Non-Protected
1	 Protected against solid objects over 50mm e.g hands, large tools	1	 Protection against vertically falling drops of water
2	 Protected against solid objects over 12mm e.g hands, large tools	2	 Protection against direct sprays of water up to a 15° angle
3	 Protection from entry by solid objects over 2.5mm e.g. wire or small tools	3	 Protection against direct sprays of water up to a 60° angle
4	 Protection from entry by solid objects over 1.0mm e.g. wires or tools	4	 Protection against water sprayed from any direction. Limited ingress permitted.
5	 Protection against deposits of dust e.g. against equipment damage due to deposits	5	 Protection against low pressure water jets from any direction. Limited ingress permitted
6	 Total protection against dust ingress e.g. Dust-Tight	6	 Protection against high pressure water jets from any direction. Limited ingress permitted.
IP CODE EXAMPLE		7	 Protection against immersion between 15cm and 1M
IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)		8	 Protection against complete and continuous immersion in water under pressure e.g. Water-Tight

THREAD SPECIFICATIONS

PG THREAD SPECIFICATIONS

Thread Size	Major Diameter (mm)	Pitch (mm)
Pg 7	12.5	1.27
Pg 9	15.2	1.41
Pg 11	18.6	1.41
Pg 13.5	20.4	1.41
Pg 16	22.5	1.41
Pg 21	28.3	1.56
Pg 29	37.0	1.56
Pg 36	47.0	1.56
Pg 42	54.0	1.56
Pg 48	59.3	1.56

NPT THREAD SPECIFICATIONS

Thread Size	Major Diameter (mm)	Pitch (mm)
NPT 1/4"	13.7	1.41
NPT 3/8"	17.1	1.41
NPT 1/2"	21.3	1.81
NPT 3/4"	26.7	1.81
NPT 1"	33.4	2.21
NPT 1-1/4"	48.3	2.21
NPT 1-1/2"	47.0	2.21
NPT 2"	60.3	2.21

METRIC THREAD SPECIFICATIONS

Thread Size	Major Diameter (mm)	Pitch (mm)
M12 X 1.5	12	1.50
M16 X 1.5	16	1.50
M20 X 1.5	20	1.50
M25 X 1.5	25	1.50
M32 X 1.5	32	1.50
M40 X 1.5	40	1.50
M50 X 1.5	50	1.50
M63 X 1.5	63	1.50