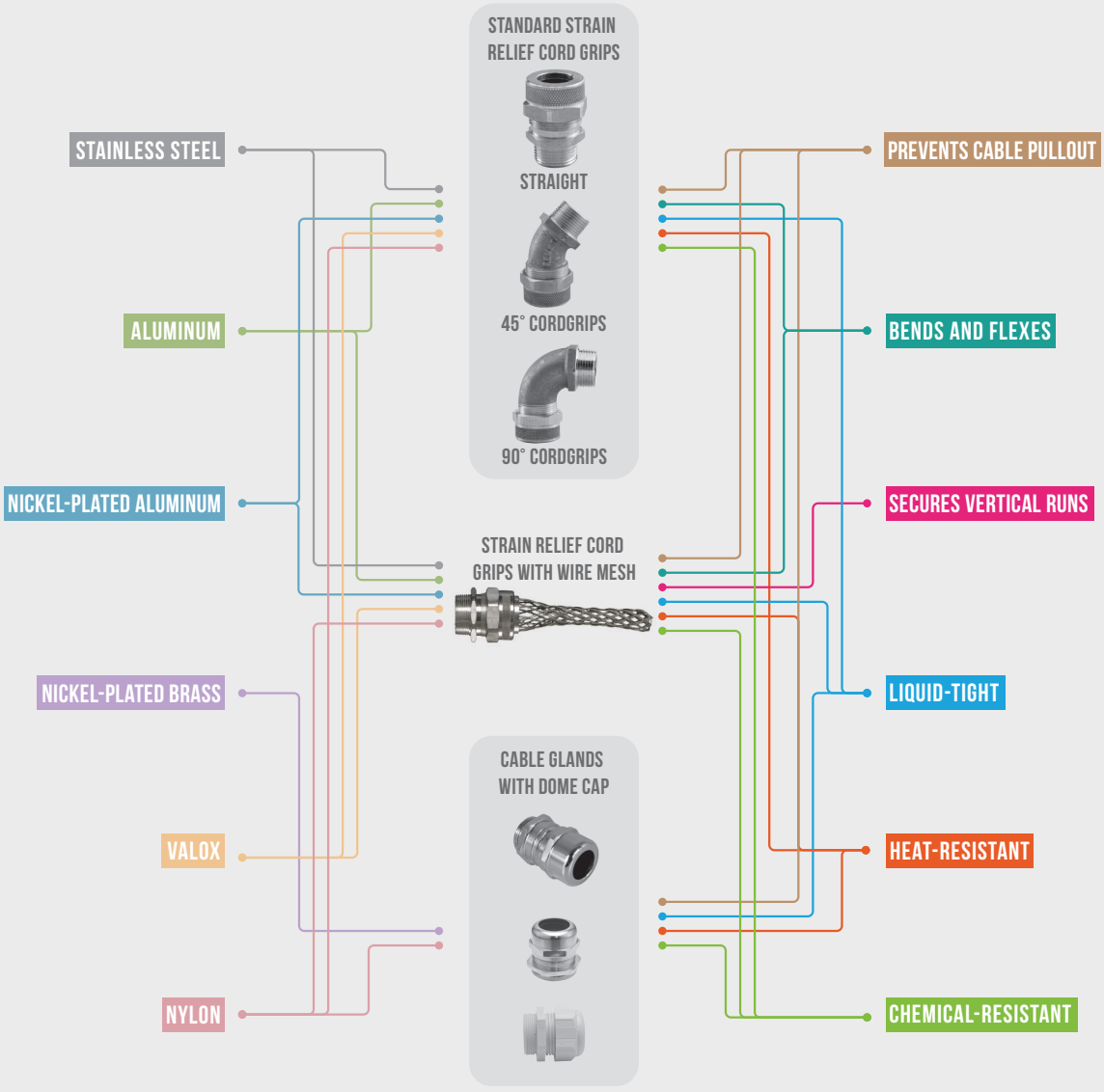
TUFF-SEAL™ TECHNOLOGY

REMKE The Ultimate Guide to Cable Strain Relief

Simplify the options for cable strain relief. It's easy to figure out which strain relief connector is suited to any application, just follow the lines!



AVAILABILITY

Remke's complete line of cable strain relief connectors are in stock and ready to ship. We can also engineer and manufacturer a strain relief connector to your exact specifications at no additonal cost.

OPTIONAL ADD-ONS

Neoprene or silicone bushings | Multiple hole bushings | O-Ring and locknuts

INGREDIENTS OF A CORD GRIP

OPTIONAL LOCK NUT

NPT, PG OR METRIC THREADS

OPTIONAL "O-RING" FOR GREATER SEALING

NEOPRENE BUSHING

MATERIALS AVAILABLE INCLUDE:

- Aluminum (Standard)
- Steel
- Stainless Steel
- Nylon
- Valox®
- Nickel-Plated Aluminum

OPTIONAL WIRE MESH FOR ADDITIONAL STRAIN RELIEF

Toll Free Tel: 1.800.701.0975 • Toll Free Fax: 1.800.892.6360 • orders@elecdirect.com

CABLE STRAIN RELIEF
FOR HARSH ENVIRONMENTS

The right strain relief connectors deliver long-term reliability

WET

Environments where water and other liquids come in contact with electrical connectors.

Ideal materials for waterproof cable grips

Stainless Steel (304/316), Nylon, Valox, Nickel-Plated Brass, Nickel-Plated Aluminum

Common Applications
Food Processing, Paper Production and Water Treatment

HOT

Environments with high temperatures, direct heat or those that fluctuate greatly.

Ideal materials for high-temp cable connectors

Stainless Steel, Silicone, Valox, Nickel-Plated Aluminum

Common Applications
Welding, Food Processing and Paper Production

CHEMICAL

Environments where cable connectors come in contact with chemicals and other abrasive elements.

Materials for chemical-resistant cable grips

Stainless Steel, PVC, Valox, Silicone, Viton

Common Applications
Manufacturing, Paper Production and Water Treatment

COLD

Environments with sustained freezing temperatures, indoors or outdoors.

Ideal materials for cable connectors in the cold

Silicone, Neoprene, Viton, Stainless Steel,

Common Applications
Refrigeration and Freezer Storage Facilities , Food Processing, Pharmaceutical, Outdoors

MECHANICAL

Environments with constant bending and flexing of electrical cables and connectors.

Materials for industrial-strength cable grips

Stainless Steel, Aluminum, Steel, Nickel-Plated Brass, Nickel-Plated Aluminum

Common Applications
Manufacturing, Assembly Lines, Robotics, Material Handling, Industrial Automation

TUFF-SEAL™ TECHNOLOGY

RSR SERIES ALUMINUM CORD GRIPS

RSR SERIES STRAIGHT ALUMINUM CORD GRIPS

Tuff-Seal™ RSR Series Aluminum Cord Grips are UL Listed and CSA Certified for use in both indoor and outdoor applications to prevent cable pullout, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture and coolants.

The breadth of the line encompasses conduit sizes from 1/4" to 4" with fittings offered in machined aluminum, nickel-plated aluminum, steel, stainless steel, nylon and Valox®. Other features of the family of RSR Cord Grips include:

- A unique design with a combination tightening surface that includes both a hex area and a knurled surface
- Available with or without stainless steel wire mesh
- Available in NPT, PG, ISO or Metric threads
- Anti-friction washer that fits between the nut and bushing for easier compression.

NOTES

SPECIAL CONFIGURATIONS
Special configurations and materials are available. Consult factory.

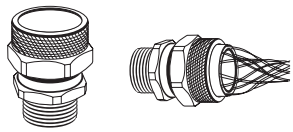
All wire mesh is stainless steel.

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

NOTICE
Suitable for use in corrosive environments

Nickel-plated aluminum:
Cord grips available in nickel-plated aluminum. Add "N" to end of prefix. (ex: RSR-0003 becomes RSRN-0003)

COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS

Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
1/4"	.125 – .188	RSR-0003	—
	.188 – .250	RSR-0004	RSR-0004-E
	.250 – .312	RSR-0005	RSR-0005-E
	.312 – .375	RSR-0006	RSR-0006-E
	.375 – .438	RSR-0007*	RSR-0007-E
3/8"	.125 – .188	RSR-003	—
	.188 – .250	RSR-004	RSR-004-E
	.250 – .312	RSR-005	RSR-005-E
	.312 – .375	RSR-006	RSR-006-E
	.375 – .438	RSR-007*	RSR-007-E
1/2"	.125 – .188	RSR-1003	—
	.188 – .250	RSR-1004	RSR-1004-E
	.250 – .312	RSR-1005	RSR-1005-E
	.312 – .375	RSR-1006	RSR-1006-E
	.375 – .438	RSR-1007	RSR-1007-E
	.125 – .188	RSR-103	—
	.188 – .250	RSR-104	RSR-104-E
	.250 – .312	RSR-105	RSR-105-E
	.312 – .375	RSR-106	RSR-106-E
	.375 – .438	RSR-107	RSR-107-E
	.438 – .500	RSR-108	RSR-108-E
	.500 – .562	RSR-109	RSR-109-E
	.562 – .625	RSR-110	RSR-110-E
	.438 – .500	RSR-1208	RSR-1208-E
	.500 – .562	RSR-1209	RSR-1209-E
	.562 – .625	RSR-1210	RSR-1210-E
	.562 – .688	RSR-1211*	RSR-1211-E
	.625 – .750	RSR-1212*	RSR-1212-E
	.688 – .812	RSR-1213*	RSR-1213-E
3/4"	.125 – .188	RSR-2103	RSR-2103-E
	.188 – .250	RSR-2104	RSR-2104-E
	.250 – .312	RSR-2105	RSR-2105-E
	.312 – .375	RSR-2106	RSR-2106-E
	.375 – .438	RSR-2107	RSR-2107-E
	.438 – .500	RSR-2108	RSR-2108-E
	.500 – .562	RSR-2109	RSR-2109-E
	.562 – .625	RSR-2110	RSR-2110-E
	.438 – .500	RSR-208	RSR-208-E
	.500 – .562	RSR-209	RSR-209-E
	.562 – .625	RSR-210	RSR-210-E
	.562 – .688	RSR-211	RSR-211-E
	.625 – .750	RSR-212	RSR-212-E
	.688 – .812	RSR-213	RSR-213-E
	.500 – .562	RSR-2309	RSR-2309-E
	.562 – .625	RSR-2310	RSR-2310-E
	.562 – .688	RSR-2311	RSR-2311-E
	.625 – .750	RSR-2312	RSR-2312-E
	.688 – .812	RSR-2313	RSR-2313-E
	.750 – .875	RSR-2314*	RSR-2314-E
	.812 – .938	RSR-2315*	RSR-2315-E
	.875 – 1.000	RSR-2316*	RSR-2316-E

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

TUFF-SEAL™ TECHNOLOGY

RSR SERIES ALUMINUM CORDGRIPS

RSR SERIES STRAIGHT ALUMINUM CORD GRIPS

For applications known for their severe conditions – such as oil and gas, marine, food & chemical processing – RSR Cord Grips are available in nickel-plated aluminum. Providing exceptional corrosion resistance and high wear resistance, nickel plated connectors also feature an attractive finish similar to that of polished stainless steel.

Tuff-Seal™ RSR Cord Grips protect cable from damage and pull-out and are used in conduit hubs or knockouts at the point where the electrical cable is to be terminated.

NOTES

SPECIAL CONFIGURATIONS
Special configurations and materials are available. Consult factory.

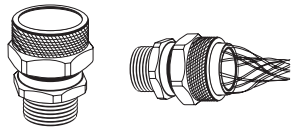
All wire mesh is stainless steel.

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

NOTICE
Suitable for use in corrosive environments

Nickel-plated aluminum:
Cord grips available in nickel-plated aluminum. Add "N" to end of prefix. (ex: RSR-309 becomes RSRN-309)

COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS

Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
1"	.438 – .562	RSR-309	RSR-309-E
	.562 – .625	RSR-310	RSR-310-E
	.562 – .688	RSR-311	RSR-311-E
	.625 – .750	RSR-312	RSR-312-E
	.688 – .812	RSR-313	RSR-313-E
	.750 – .875	RSR-314	RSR-314-E
	.812 – .938	RSR-315	RSR-315-E
	.875 – 1.000	RSR-316	RSR-316-E
	.875 – 1.000	RSR-3516	RSR-3516-E
	1.000 – 1.125	RSR-3518	RSR-3518-E
	1.125 – 1.250	RSR-3520*	RSR-3520-E
	1.250 – 1.375	RSR-3522*	RSR-3522-E
1 1/4"	.562 – .688	RSR-411	—
	.688 – .812	RSR-413	—
	.750 – .875	RSR-414	—
	.875 – 1.000	RSR-416	RSR-416-E
	1.000 – 1.125	RSR-418	RSR-418-E
	1.125 – 1.250	RSR-420*	RSR-420-E
	1.250 – 1.375	RSR-422*	RSR-422-E
1 1/2"	.562 – .688	RSR-511	—
	.688 – .812	RSR-513	—
	.750 – .875	RSR-514	—
	.875 – 1.000	RSR-516	RSR-516-E
	1.000 – 1.125	RSR-518	RSR-518-E
	1.125 – 1.250	RSR-520	RSR-520-E
	1.250 – 1.375	RSR-522	RSR-522-E
	1.250 – 1.375	RSR-5622	RSR-5622-E
	1.438 – 1.562	RSR-5625	RSR-5625-E
	1.562 – 1.688	RSR-5627*	RSR-5627-E
	1.688 – 1.812	RSR-5629*	RSR-5629-E
2"	1.250 – 1.375	RSR-622	RSR-622-E
	1.312 – 1.437	RSR-623	RSR-623-E
	1.438 – 1.562	RSR-625	RSR-625-E
	1.562 – 1.688	RSR-627	RSR-627-E
	1.688 – 1.812	RSR-629	RSR-629-E
	1.688 – 1.812	RSR-6729	RSR-6729-E
	1.812 – 1.938	RSR-6731	RSR-6731-E
	1.938 – 2.062	RSR-6733*	RSR-6733-E
	2.062 – 2.188	RSR-6735*	RSR-6735-E
	2.188 – 2.312	RSR-6737*	RSR-6737-E
	2.312 – 2.438	RSR-6739*	RSR-6739-E

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

TUFF-SEAL™ TECHNOLOGY

RSR SERIES ALUMINUM CORD GRIPS

RSR SERIES STRAIGHT ALUMINUM CORD GRIPS

For applications known for their severe conditions – such as oil and gas, marine, food & chemical processing – RSR Cord Grips are available in nickel-plated aluminum. Providing exceptional corrosion resistance and high wear resistance, nickelplated connectors also feature an attractive finish similar to that of polished stainless steel.

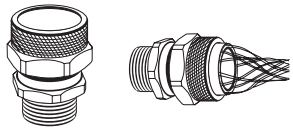
Tuff-Seal™ RSR Cord Grips protect cable from damage and pull-out and are used in conduit hubs or knockouts at the point where the electrical cable is to be terminated.

NOTES
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
All wire mesh is stainless steel.
Dimension & certification information on pages G-52 to G-66 in Tuff-Seal Technical Reference.

NOTICE
Suitable for use in corrosive environments

Nickel-plated aluminum:
Cord grips available in nickel-plated aluminum. Add "N" to end of prefix. (ex: RSR-309 becomes RSRN-309)

COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS			
Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
2 1/2"	1.688 – 1.812	RSR-729	RSR-729-E
	1.812 – 1.938	RSR-731	RSR-731-E
	1.938 – 2.062	RSR-733	RSR-733-E
	2.062 – 2.188	RSR-735	RSR-735-E
	2.188 – 2.312	RSR-737	RSR-737-E
	2.312 – 2.438	RSR-739*	RSR-739-E
3"	1.688 – 1.812	RSR-8729	RSR-8729-E
	1.812 – 1.938	RSR-8731	RSR-8731-E
	1.938 – 2.062	RSR-8733	RSR-8733-E
	2.062 – 2.188	RSR-8735	RSR-8735-E
	2.188 – 2.312	RSR-8737	RSR-8737-E
	2.312 – 2.438	RSR-8739*	RSR-8739-E
	2.437 – 2.625	RSR-901	RSR-901-E
	2.625 – 2.812	RSR-902	RSR-902-E
	2.812 – 3.000	RSR-903	RSR-903-E
	3.000 – 3.250	RSR-904	RSR-904-E
3 1/2"	3.000 - 3.180	RSR-1151	RSR-1151-E
	3.180 - 3.335	RSR-1152	RSR-1152-E
	3.335 - 3.530	RSR-1153	RSR-1153-E
4"	3.500 - 3.690	RSR-1251	RSR-1251-E
	3.690 - 3.855	RSR-1252	RSR-1252-E
	3.855 - 4.025	RSR-1253	RSR-1253-E

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

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TUFF-SEAL™ TECHNOLOGY

RSR SERIES ALUMINUM CORD GRIPS

RSR SERIES 90° ALUMINUM CORD GRIPS

Tuff-Seal™ 90° RSR Cord Grips are UL Listed and CSA Certified for use in both indoor and outdoor applications to prevent cable pullout, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture and coolants.

These cord grips with external threads offer the same features as the straight RSR grips described on page 4. 90° grips can be ordered with or without wire mesh attachments, accommodate conduit sizes from 3/8" to 2" and are available in machined aluminum, nylon and Valox®.

For applications known for their severe conditions – such as oil and gas, marine, food & chemical processing – RSR 90° Cord Grips are available in nickel-plated aluminum. Providing exceptional corrosion resistance and high wear resistance, nickel-plated connectors also feature an attractive finish similar to that of polished stainless steel.

These Tuff-Seal grips protect cable from damage and pull-out and are used in conduit hubs or knock-outs at the point where the electrical cable is to be terminated.

NOTES

SPECIAL CONFIGURATIONS
Special configurations and materials are available. Consult factory.

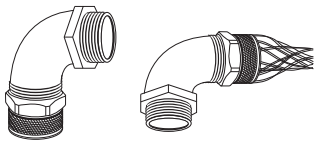
All wire mesh is stainless steel.

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

NOTICE
Suitable for use in corrosive environments

Nickel-plated aluminum:
Cord grips available in nickel-plated aluminum. Add "N" to end of prefix. (ex: RSR-9003 becomes RSRN-9003)

COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS			
ConduitSize(NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
3/8"	.125 – .188	RSR-9003	—
	.188 – .250	RSR-9004	RSR-9004-E
	.250 – .312	RSR-9005	RSR-9005-E
	.312 – .375	RSR-9006	RSR-9006-E
	.375 – .438	RSR-9007	RSR-9007-E
1/2"	.125 – .188	RSR-9103	—
	.188 – .250	RSR-9104	RSR-9104-E
	.250 – .312	RSR-9105	RSR-9105-E
	.312 – .375	RSR-9106	RSR-9106-E
	.375 – .438	RSR-9107	RSR-9107-E
	.438 – .500	RSR-9108	RSR-9108-E
	.500 – .562	RSR-9109	RSR-9109-E
	.562 – .625	RSR-9110	RSR-9110-E
3/4"	.438 – .500	RSR-9208	RSR-9208-E
	.500 – .562	RSR-9209	RSR-9209-E
	.500 – .625	RSR-9210	RSR-9210-E
	.562 – .688	RSR-9211	RSR-9211-E
	.625 – .750	RSR-9212	RSR-9212-E
	.688 – .812	RSR-9213	RSR-9213-E
1"	.500 – .562	RSR-9309	RSR-9309-E
	.500 – .625	RSR-9310	RSR-9310-E
	.562 – .688	RSR-9311	RSR-9311-E
	.625 – .750	RSR-9312	RSR-9312-E
	.688 – .812	RSR-9313	RSR-9313-E
	.750 – .875	RSR-9314	RSR-9314-E
	.812 – .938	RSR-9315	RSR-9315-E
	.875 – 1.000	RSR-9316	RSR-9316-E
1 1/4"	.562 – .688	RSR-9411	—
	.688 – .812	RSR-9413	—
	.750 – .875	RSR-9414	—
	.875 – 1.000	RSR-9416	RSR-9416-E
	1.000 – 1.125	RSR-9418	RSR-9418-E
	1.125 – 1.250	RSR-9420	RSR-9420-E
	1.250 – 1.375	RSR-9422	RSR-9422-E
1 1/2"	.562 – .688	RSR-9511	—
	.688 – .812	RSR-9513	—
	.750 – .875	RSR-9514	—
	.875 – 1.000	RSR-9516	RSR-9516-E
	1.000 – 1.125	RSR-9518	RSR-9518-E
	1.125 – 1.250	RSR-9520	RSR-9520-E
	1.250 – 1.375	RSR-9522	RSR-9522-E
	1.438 – 1.562	RSR-9525	RSR-9525-E
	1.562 – 1.688	RSR-9527	RSR-9527-E
	1.688 – 1.812	RSR-9529	RSR-9529-E
2"	1.250 – 1.375	RSR-9622	RSR-9622-E
	1.438 – 1.562	RSR-9625	RSR-9625-E
	1.562 – 1.688	RSR-9627	RSR-9627-E
	1.688 – 1.812	RSR-9629	RSR-9629-E

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

TUFF-SEAL™ TECHNOLOGY

RSR SERIES ALUMINUM CORD GRIPS

RSR SERIES 45° ALUMINUM CORD GRIPS

Tuff-Seal™ 45° RSR Cord Grips are UL Listed and CSA Certified for use in both indoor and outdoor applications to prevent cable pullout, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture and coolants.

These cord grips with external threads offer the same features as the straight RSR grips described on page 4. Made from machined aluminum, these grips can be ordered with or without wire mesh attachments and accommodate conduit sizes from 1/2" to 1 1/2".

For applications known for their severe conditions – such as oil and gas, marine, food & chemical processing – RSR 45° Cord Grips are also available in nickel-plated aluminum. Providing exceptional corrosion resistance and high wear resistance, nickel-plated connectors also feature an attractive finish similar to that of polished stainless steel.

These Tuff-Seal grips protect cable from damage and pull-out and are used in conduit hubs or knock-outs at the point where the electrical cable is to be terminated.

NOTES

SPECIAL CONFIGURATIONS
Special configurations and materials are available. Consult factory.

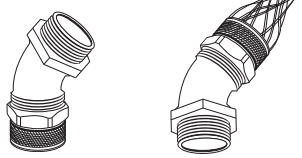
All wire mesh is stainless steel.

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

NOTICE
Suitable for use in corrosive environments

Nickel-plated aluminum:
Cord grips available in nickel-plated aluminum. Add "N" to end of prefix. (ex: RSR-45103 becomes RSRN-45103)

COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS

ConduitSize(NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
1/2"	.125 – .188	RSR-45103	—
	.188 – .250	RSR-45104	RSR-45104-E
	.250 – .312	RSR-45105	RSR-45105-E
	.312 – .375	RSR-45106	RSR-45106-E
	.375 – .438	RSR-45107	RSR-45107-E
	.438 – .500	RSR-45108	RSR-45108-E
	.500 – .562	RSR-45109	RSR-45109-E
	.562 – .625	RSR-45110	RSR-45110-E
3/4"	.438 – .500	RSR-45208	RSR-45208-E
	.500 – .562	RSR-45209	RSR-45209-E
	.500 – .625	RSR-45210	RSR-45210-E
	.562 – .688	RSR-45211	RSR-45211-E
	.625 – .750	RSR-45212	RSR-45212-E
	.688 – .812	RSR-45213	RSR-45213-E
1"	.500 – .562	RSR-45309	RSR-45309-E
	.500 – .625	RSR-45310	RSR-45310-E
	.562 – .688	RSR-45311	RSR-45311-E
	.625 – .750	RSR-45312	RSR-45312-E
	.688 – .812	RSR-45313	RSR-45313-E
	.750 – .875	RSR-45314	RSR-45314-E
	.812 – .938	RSR-45315	RSR-45315-E
	.875 – 1.000	RSR-45316	RSR-45316-E
1 1/4"	.562 – .688	RSR-45411	—
	.688 – .812	RSR-45413	—
	.750 – .875	RSR-45414	—
	.875 – 1.000	RSR-45416	RSR-45416-E
	1.000 – 1.125	RSR-45418	RSR-45418-E
	1.125 – 1.250	RSR-45420	RSR-45420-E
	1.250 – 1.375	RSR-45422	RSR-45422-E
1 1/2"	.562 – .688	RSR-45511	—
	.688 – .812	RSR-45513	—
	.750 – .875	RSR-45514	—
	.875 – 1.000	RSR-45516	RSR-45516-E
	1.000 – 1.125	RSR-45518	RSR-45518-E
	1.125 – 1.250	RSR-45520	RSR-45520-E
	1.250 – 1.375	RSR-45522	RSR-45522-E

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

TUFF-SEAL™ TECHNOLOGY

RSRS SERIES STEEL CORD GRIPS

RSRS SERIES STEEL CORD CONNECTORS

The Tuff-Seal™ RSRS series of corrosion-resistant cord connectors features a body and compression nut made of zinc-chromium plated steel for added strength and durability, enhanced resistance to rust and a better physical appearance. These connectors are ideally suited for use in washdowns or high moisture environments in food processing plants, petrochemical facilities, wastewater treatment plants, pulp & paper mills and chemical manufacturing factories.

RSRS cord connectors have been designed to withstand the extremes of water, caustic materials, detergents or surfactants.

RSRS Corrosion-Resistant Connectors can be ordered with or without wire mesh and accommodate 3/8", 1/2", 3/4" and 1" conduit. The combination tightening surface on these connectors is a unique Remke design that provides a large wrenching area for easy installation. And the knurl section offers users an extra gripping surface for initial hand tightening.

NOTES

SPECIAL CONFIGURATIONS
Special configurations and materials are available. Consult factory.

All wire mesh is stainless steel.

Dimension & certification information on pages G-52 to G-66 in Tuff-Seal Technical Reference. Dimensions are the same as those for RSR Straight Cord Grips.

COMPLETE ASSEMBLY PART NUMBERS

RSRS SERIES STEEL CORD GRIPS

Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
3/8"	.125 – .188	RSRS-003	—
	.188 – .250	RSRS-004	RSRS-004-E
	.250 – .312	RSRS-005	RSRS-005-E
	.312 – .375	RSRS-006	RSRS-006-E
	.375 – .438	RSRS-007	RSRS-007-E
1/2"	.125 – .188	RSRS-103	—
	.188 – .250	RSRS-104	RSRS-104-E
	.250 – .312	RSRS-105	RSRS-105-E
	.312 – .375	RSRS-106	RSRS-106-E
	.375 – .438	RSRS-107	RSRS-107-E
	.438 – .500	RSRS-108	RSRS-108-E
	.500 – .562	RSRS-109	RSRS-109-E
	.562 – .625	RSRS-110	RSRS-110-E
3/4"	.438 – .500	RSRS-208	RSRS-208-E
	.500 – .562	RSRS-209	RSRS-209-E
	.500 – .625	RSRS-210	RSRS-210-E
	.562 – .688	RSRS-211	RSRS-211-E
	.625 – .750	RSRS-212	RSRS-212-E
	.688 – .812	RSRS-213*	RSRS-213-E
1"	.500 – .562	RSRS-309	RSRS-309-E
	.500 – .625	RSRS-310	RSRS-310-E
	.562 – .688	RSRS-311	RSRS-311-E
	.625 – .750	RSRS-312	RSRS-312-E
	.688 – .812	RSRS-313	RSRS-313-E
	.750 – .875	RSRS-314	RSRS-314-E
	.812 – .938	RSRS-315	RSRS-315-E
	.875 – 1.000	RSRS-316	RSRS-316-E
1 1/4"	.875 – 1.000	RSRS-416	—
	1.125 - 1.250	RSRS-418	—
	1.125 – 1.250	RSRS-420	—
	1.250 - 1.375	RSRS-422	—
1 1/2"	875 - 1.000	RSRS-516	—
	1.000 – 1.125	RSRS-518	—
	1.125 – 1.250	RSRS-520	—
	1.250 – 1.375	RSRS-522	—

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

TUFF-SEAL™ TECHNOLOGY

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.

NOTICE
Suitable for use in corrosive environments

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
	.688 – .812	RSSS-213*	RSSS-213-E
1"	.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
	.875 – 1.000	RSSS-316	RSSS-316-E
1 1/4"	.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
	1.250 – 1.375	RSSS-422*	RSSS-422-E
1 1/2"	.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
	1.250 – 1.375	RSSS-522	RSSS-522-E
2"	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
	2.312 – 2.438	RSSS-6739*	RSSS-6739-E
2 1/2"	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
	2.312 – 2.438	RSSS-739*	RSSS-739-E
3"	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.

RSP SERIES NYLONCORDGRIPS

RSP SERIES NYLON CORROSION-RESISTANT CORD CONNECTORS

The Tuff-Seal™ RSP Series of Non-Metallic Cord Connectors are constructed of a durable, nylon material which offers excellent corrosion resistance, is lightweight, durable and ideal for use in damp environments. RSP Cord Connectors are ideally suited for use in applications with moisture or washdowns and they provide an environmental seal against dirt, coolants, fumes and the like.

RSP Corrosion-Resistant Connectors can be ordered with or without wire mesh attachments. The straight- body style accommodates 3/8", 1/2" and 3/4" conduit sizes while the 90° body fits 1/2" and 3/4" conduit. These connectors also feature a compression bushing made of high-quality, oil resistant Neoprene rubber with an anti-friction washer made of nylon.

RSP Connectors are suitable for use in both indoor and outdoor applications to prevent cable pullout and control arc of bend.

NOTES
Also available in yellow. Add "-Y" to part number.
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
All wire mesh is stainless steel.
Dimension & certification information on pages G-52 to G-66 in Tuff-Seal Technical Reference.

NOTICE
Suitable for use in corrosive environments

RSP SERIES-STRAIGHT

COMPLETE ASSEMBLY PART NUMBERS			
Conduit Size (NPT)	Cable Range	Cord Grip	CordGripWith Mesh
3/8"	.125 – .188	RSP-003	RSP-003-E
	.188 – .250	RSP-004	RSP-004-E
	.250 – .312	RSP-005	RSP-005-E
	.312 – .375	RSP-006	RSP-006-E
	.375 – .438	RSP-007	RSP-007-E
1/2"	.125 – .188	RSP-103	RSP-103-E
	.188 – .250	RSP-104	RSP-104-E
	.250 – .312	RSP-105	RSP-105-E
	.312 – .375	RSP-106	RSP-106-E
	.375 – .438	RSP-107	RSP-107-E
	.438 – .500	RSP-108	RSP-108-E
	.500 – .562	RSP-109	RSP-109-E
	.562 – .625	RSP-110	RSP-110-E
3/4"	.438 – .500	RSP-208	RSP-208-E
	.500 – .562	RSP-209	RSP-209-E
	.500 – .625	RSP-210	RSP-210-E
	.562 – .688	RSP-211	RSP-211-E
	.625 – .750	RSP-212	RSP-212-E
	.688 – .812	RSP-213	RSP-213-E

RSP SERIES-90°

COMPLETE ASSEMBLY PART NUMBERS			
Conduit Size (NPT)	Cable Range	Cord Grip	CordGripWith Mesh
1/2"	.125 – .188	RSP-9103	RSP-9103-E
	.188 – .250	RSP-9104	RSP-9104-E
	.250 – .312	RSP-9105	RSP-9105-E
	.312 – .375	RSP-9106	RSP-9106-E
	.375 – .438	RSP-9107	RSP-9107-E
	.438 – .500	RSP-9108	RSP-9108-E
	.500 – .562	RSP-9109	RSP-9109-E
	.562 – .625	RSP-9110	RSP-9110-E
3/4"	.500 – .562	RSP-9209	RSP-9209-E
	.500 – .625	RSP-9210	RSP-9210-E
	.562 – .688	RSP-9211	RSP-9211-E
	.625 – .750	RSP-9212	RSP-9212-E
	.688 – .812	RSP-9213	RSP-9213-E

RSPV SERIES VALOXCORDGRIPS

VALOX®CORROSION-RESISTANCE&FDA-WASHDOWN APPROVED CORD GRIPS

Tuff-Seal™ Cord Grips made of Valox are cutting-edge, non-metallic connectors with excellent heat, chemical and corrosion resistance. This material provides high mechanical, thermal and electrical properties for stability and reliability. Rated for IP and NEMA compliance, Remke Valox cord grips are ideal for applications that require an environmental seal against dirt, dust, moisture, fumes and chemicals - and are also approved for FDA-washdowns.

Remke Valox Cord Grips feature a compression bushing made of high-quality, oil-resistant Neoprene rubber with an anti-friction washer made of nylon. RSPV cord grips are suitable for use both indoors & outdoors to prevent cable pullout and control arc of bend. Available options include

- Wire mesh attachments
- Straight-body style for 3/8", ½" and ¾" conduit sizes
- 90-degree body for ½" and ¾" conduit.

Valox connectors are commonly used in Automation, OEMs Maintenance and repair operations, food processing, wastewater treatment, Petro chemical, marine and shipboard, pulp and paper processing.

NOTES
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
All wire mesh is stainless steel.
Dimension & certification information on pages G-52 to G-66 in Tuff-Seal Technical Reference.
Valox is registered trademark of GE Plastics

RSPV SERIES-STRAIGHT

COMPLETE ASSEMBLY PART NUMBERS			
Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
3/8"	.125 – .188	RSPV-003	RSPV-003-E
	.188 – .250	RSPV-004	RSPV-004-E
	.250 – .312	RSPV-005	RSPV-005-E
	.312 – .375	RSPV-006	RSPV-006-E
	.375 – .438	RSPV-007	RSPV-007-E
1/2"	.125 – .188	RSPV-103	RSPV-103-E
	.188 – .250	RSPV-104	RSPV-104-E
	.250 – .312	RSPV-105	RSPV-105-E
	.312 – .375	RSPV-106	RSPV-106-E
	.375 – .438	RSPV-107	RSPV-107-E
	.438 – .500	RSPV-108	RSPV-108-E
	.500 – .562	RSPV-109	RSPV-109-E
	.562 – .625	RSPV-110	RSPV-110-E
3/4"	.438 – .500	RSPV-208	RSPV-208-E
	.500 – .562	RSPV-209	RSPV-209-E
	.500 – .625	RSPV-210	RSPV-210-E
	.562 – .688	RSPV-211	RSPV-211-E
	.625 – .750	RSPV-212	RSPV-212-E
	.688 – .812	RSPV-213	RSPV-213-E

RSPV SERIES-90°

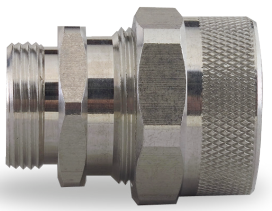
COMPLETE ASSEMBLY PART NUMBERS			
Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh
1/2"	.125 – .188	RSPV-9103	RSPV-9103-E
	.188 – .250	RSPV-9104	RSPV-9104-E
	.250 – .312	RSPV-9105	RSPV-9105-E
	.312 – .375	RSPV-9106	RSPV-9106-E
	.375 – .438	RSPV-9107	RSPV-9107-E
	.438 – .500	RSPV-9108	RSPV-9108-E
	.500 – .562	RSPV-9109	RSPV-9109-E
	.562 – .625	RSPV-9110	RSPV-9110-E
3/4"	.500 – .562	RSPV-9209	RSPV-9209-E
	.500 – .625	RSPV-9210	RSPV-9210-E
	.562 – .688	RSPV-9211	RSPV-9211-E
	.625 – .750	RSPV-9212	RSPV-9212-E
	.688 – .812	RSPV-9213	RSPV-9213-E

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

NOTICE
Suitable for use in corrosive environments

TUFF-SEAL™ TECHNOLOGY

RPG SERIES ALUMINUM CORD GRIPS



RPG CORD GRIPS WITH PG THREADS

The Tuff-Seal™ RPG Series Cord Grips features a Pg thread so that it can mate with an internal Pg thread of an enclosure, machine or other equipment being connected. Features of these grips are identical to those of our standard RSR Series Aluminum Cord Grips described on page 4. These grips are offered in Pg 21-29-36 and 48 and can be ordered with or without mesh attachments.

NOTES
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
Larger sizes available upon request.
All wire mesh is stainless steel.
Thread specifications: Detailed thread specifications are available upon request. Taps are readily available.

RPG SERIES STEEL CORD GRIPS

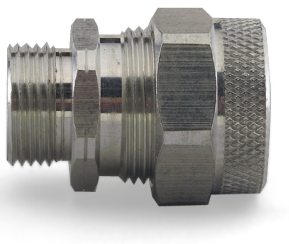
COMPLETE ASSEMBLY PART NUMBERS

Pg Thread	Cable Range	Cord Grip	Cord Grip With Mesh
Pg 11	.125 – .187	RPG-11103	—
	.187 – .250	RPG-11104	RPG-11104-E
	.250 – .312	RPG-11105	RPG-11105-E
	.312 – .375	RPG-11106	RPG-11106-E
	.375 – .437	RPG-11107	RPG-11107-E
	.437 – .500	RPG-11108	RPG-11108-E
	.500 – .562	RPG-11109	RPG-11109-E
	.562 – .625	RPG-11110	RPG-11110-E
Pg 13.5	.125 – .187	RPG-13103	RPG-13103-E
	.187 – .250	RPG-13104	RPG-13104-E
	.250 – .312	RPG-13105	RPG-13105-E
	.312 – .375	RPG-13106	RPG-13106-E
	.375 – .437	RPG-13107	RPG-13107-E
	.437 – .500	RPG-13108	RPG-13108-E
	.500 – .562	RPG-13109	RPG-13109-E
	.562 – .625	RPG-13110	RPG-13110-E
Pg 16	.438 – .500	RPG-16208	RPG-16208-E
	.500 – .562	RPG-16209	RPG-16209-E
	.500 – .625	RPG-16210	RPG-16210-E
	.562 – .687	RPG-16211	RPG-16211-E
	.625 – .750	RPG-16212	RPG-16212-E
	.687 – .812	RPG-16213	RPG-16213-E
Pg 21	.500 – .562	RPG-21309	RPG-21309-E
	.500 – .625	RPG-21310	RPG-21310-E
	.562 – .687	RPG-21311	RPG-21311-E
	.625 – .750	RPG-21312	RPG-21312-E
	.687 – .812	RPG-21313	RPG-21313-E
	.750 – .875	RPG-21314	RPG-21314-E
	.812 – .937	RPG-21315	RPG-21315-E
	.875 – 1.000	RPG-21316	RPG-21316-E
Pg 29	.500 – .562	RPG-29309	RPG-29309-E
	.500 – .625	RPG-29310	RPG-29310-E
	.562 – .688	RPG-29311	RPG-29311-E
	.625 – .750	RPG-29312	RPG-29312-E
	.688 – .812	RPG-29313	RPG-29313-E
	.750 – .875	RPG-29314	RPG-29314-E
	.812 – .938	RPG-29315	RPG-29315-E
	.875 – 1.000	RPG-29316	RPG-29316-E
	.875 – 1.000	RPG-29516	RPG-29516-E
	1.000 – 1.125	RPG-29518	RPG-29518-E
	1.125 – 1.250	RPG-29520	RPG-29520-E
	1.250 – 1.375	RPG-29522	RPG-29522-E
Pg 36	.875 – 1.000	RPG-36516	RPG-36516-E
	1.000 – 1.125	RPG-36518	RPG-36518-E
	1.125 – 1.250	RPG-36520	RPG-36520-E
	1.250 – 1.375	RPG-36522	RPG-36522-E
Pg 42	1.250 – 1.375	RPG-42622	RPG-42622-E
	1.312 – 1.437	RPG-42623	RPG-42623-E
	1.438 – 1.562	RPG-42625	RPG-42625-E
	1.562 – 1.688	RPG-42627	RPG-42627-E
	1.688 – 1.812	RPG-42629	RPG-42629-E
Pg 48	1.688 – 1.812	RPG-48629	RPG-48629-E
	1.812 – 1.938	RPG-48731	RPG-48731-E
	1.938 – 2.062	RPG-48733	RPG-48733-E
	2.062 – 2.188	RPG-48735	RPG-48735-E
	2.188 – 2.312	RPG-48737	RPG-48737-E
	2.312 – 2.438	RPG-48739	RPG-48739-E

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

TUFF-SEAL™ TECHNOLOGY

RSM SERIES ALUMINUM CORD GRIPS



RSM SERIES CORD GRIPS WITH ISO METRIC THREADS

The line of Tuff-Seal™ liquid-tight RSM Series Cord Grips are similar to our standard products except that the external conduit thread is replaced with an ISO thread for mating with an internal metric thread of an enclosure, machine or other equipment being connected. The metric threads on these grips meet DIN 40430 standards.

NOTES
CORD GRIP ACCESSORIES Locknuts: add "-L" to any part number O-Rings: add "-R" to any part number
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
All wire mesh is stainless steel.
Thread specifications in the Tuff-Seal Technical Reference Section

RSM SERIES CORD GRIPS WITH ISO THREADS

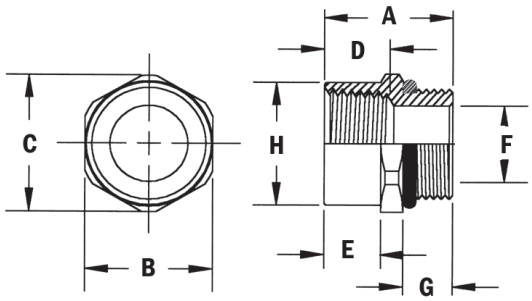
COMPLETE ASSEMBLY PART NUMBERS			
ISO Metric Thread	Cable Range	Cord Grip	Cord Grip With Mesh
M16	.125 – .187	RSM-161003	—
	.187 – .250	RSM-161004	RSM-161004-E
	.250 – .312	RSM-161005	RSM-161005-E
	.312 – .375	RSM-161006	RSM-161006-E
	.375 – .437	RSM-161007	RSM-161007-E
	.125 – .187	RSM-16103	—
	.187 – .250	RSM-16104	RSM-16104-E
	.250 – .312	RSM-16105	RSM-16105-E
	.312 – .375	RSM-16106	RSM-16106-E
	.375 – .437	RSM-16107	RSM-16107-E
	.437 – .500	RSM-16108	RSM-16108-E
	.500 – .562	RSM-16109	RSM-16109-E
	.562 – .625	RSM-16110	RSM-16110-E
M20	.125 – .187	RSM-20103	—
	.187 – .250	RSM-20104	RSM-20104-E
	.250 – .312	RSM-20105	RSM-20105-E
	.312 – .375	RSM-20106	RSM-20106-E
	.375 – .437	RSM-20107	RSM-20107-E
	.437 – .500	RSM-20108	RSM-20108-E
	.500 – .562	RSM-20109	RSM-20109-E
	.562 – .625	RSM-20110	RSM-20110-E
M25	.250 – .312	RSM-25205	—
	.312 – .375	RSM-25206	—
	.375 – .437	RSM-25207	—
	.438 – .500	RSM-25208	RSM-25208-E
	.500 – .562	RSM-25209	RSM-25209-E
	.500 – .625	RSM-25210	RSM-25210-E
	.562 – .687	RSM-25211	RSM-25211-E
	.625 – .750	RSM-25212	RSM-25212-E
	.687 – .812	RSM-25213	RSM-25213-E
M30	.438 – .500	RSM-30308	RSM-30308-E
	.500 – .562	RSM-30309	RSM-30309-E
	.500 – .625	RSM-30310	RSM-30310-E
	.562 – .687	RSM-30311	RSM-30311-E
	.625 – .750	RSM-30312	RSM-30312-E
	.687 – .812	RSM-30313	RSM-30313-E
	.750 – .875	RSM-30314	RSM-30314-E
	.812 – .937	RSM-30315	RSM-30315-E
	.875 – 1.000	RSM-30316	RSM-30316-E
M32	.437 – .500	RSM-32308	RSM-32308-E
	.500 – .562	RSM-32309	RSM-32309-E
	.500 – .625	RSM-32310	RSM-32310-E
	.562 – .688	RSM-32311	RSM-32311-E
	.625 – .750	RSM-32312	RSM-32312-E
	.688 – .812	RSM-32313	RSM-32313-E
	.750 – .875	RSM-32314	RSM-32314-E
	.812 – .938	RSM-32315	RSM-32315-E
	.875 – 1.000	RSM-32316	RSM-32316-E
M40	.562 – .688	RSM-40411	—
	.688 – .812	RSM-40413	—
	.750 – .875	RSM-40414	RSM-40414-E
	.875 – 1.000	RSM-40416	RSM-40416-E
	1.000 – 1.125	RSM-40418	RSM-40418-E
	1.125 – 1.250	RSM-40420	RSM-40420-E
	1.250 – 1.375	RSM-40422	RSM-40422-E
M50	.562 – .688	RSM-50511	—
	.688 – .812	RSM-50513	—
	.750 – .875	RSM-50514	RSM-50514-E
	.875 – 1.000	RSM-50516	RSM-50516-E
	1.000 – 1.125	RSM-50518	RSM-50518-E
	1.125 – 1.250	RSM-50520	RSM-50520-E
	1.250 – 1.375	RSM-50522	RSM-50522-E

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

TUFF-SEAL™ TECHNOLOGY

THREADED ADAPTERS

Tuff-Seal™ Threaded Adapters easily convert – or mate – one thread style with another. These adapters are offered with both internal and external threads that mate NPT with ISO Metric style fittings or NPT with Pg fittings. They are constructed of machined aluminum with electroless-nickel plating for enhanced protection against corrosion, friction and contamination. The threaded adapters also incorporate a BUNA-N O-Ring to provide a liquid-tight seal. This product family meets ASTM, MIL and AMS specifications.



"M" (ISO) METRIC THREADED ADAPTERS

PART NUMBERS

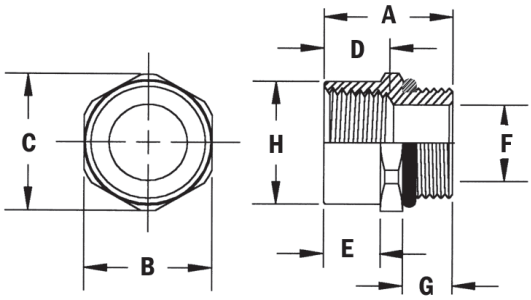
Part Number	External Thread	Internal Thread	A	B Hex	C	D	E	F Dia.	G	H Dia.
M16-38	M16 X 1.5	3/8 NPT	1.000	.875	.970	.400	.435	.455	.390	.830
M16-50	M16 X 1.5	1/2 NPT	1.000	1.000	1.090	.510	.445	.455	.390	.980
M20-50	M20 X 1.5	1/2 NPT	1.000	1.000	1.090	.510	.445	.610	.390	.980
M25-50	M25 X 1.5	1/2 NPT	1.000	1.250	1.375	.520	.400	.625	.390	1.180
M25-75	M25 X 1.5	3/4 NPT	1.000	1.250	1.375	.520	.400	.800	.390	1.180
M32-75	M32 X 1.5	3/4 NPT	1.000	1.375	1.530	.520	.400	.800	.390	1.180
M32-100	M32 X 1.5	1 NPT	1.250	1.437	1.600	.680	.635	.990	.390	1.430
M32-125	M32 X 1.5	1-1/4 NPT	1.280	2.000	2.220	.700	.635	.937	.390	1.850
M40-100	M40 X 1.5	1 NPT	1.250	2.000	2.220	.680	.635	1.060	.390	1.430
M40-125	M40 X 1.5	1-1/4 NPT	1.280	2.000	2.220	.700	.635	1.320	.390	1.850
M50-150	M50 X 1.5	1-1/2 NPT	1.280	2.250	2.475	.700	.635	1.500	.390	2.190

Pg Threaded Adapters (On next page)

TUFF-SEAL™ TECHNOLOGY

THREADED ADAPTERS

Tuff-Seal™ Threaded Adapters easily convert – or mate – one thread style with another. These adapters are offered with both internal and external threads that mate NPT with ISO Metric style fittings or NPT with Pg fittings. They are constructed of machined aluminum with electroless-nickel plating for enhanced protection against corrosion, friction and contamination. The threaded adapters also incorporate a BUNA-N O-Ring to provide a liquid-tight seal. This product family meets ASTM, MIL and AMS specifications.



PG THREADED ADAPTERS

PART NUMBERS

Part Number	External Thread	Internal Thread	A	B Hex	C	D	E	F Dia.	G	H Dia.
PG11-38	PG 11	3/8 NPT	1.000	1.000	.970	.400	.435	.455	.390	.830
PG11-50	PG 11	1/2 NPT	1.000	1.000	1.090	.510	.445	.485	.390	.980
PG13-50	PG 13.5	1/2 NPT	1.000	1.000	1.090	.510	.445	.610	.390	.980
PG16-50	PG 16	1/2 NPT	1.000	1.000	1.090	.510	.445	.610	.390	.980
PG21-50	PG 21	1/2 NPT	1.000	1.250	1.375	.510	.445	.865	.390	.980
PG21-75	PG 21	3/4 NPT	1.000	1.250	1.375	.520	.400	.865	.390	1.180
PG29-100	PG 29	1 NPT	1.250	1.562	1.720	.680	.635	.990	.390	1.480
PG29-125	PG 29	1-1/4 NPT	1.280	2.000	2.220	.700	.635	1.140	.390	1.850
PG36-125	PG 36	1-1/4 NPT	1.280	2.000	2.220	.700	.635	1.290	.390	1.850
PG36-150	PG 36	1-1/2 NPT	1.280	2.000	2.220	.700	.635	1.500	.390	2.190
PG42-125	PG 42	1-1/4 NPT	1.280	2.250	2.220	.700	.635	1.500	.390	2.190
PG42-150	PG 42	1-1/2 NPT	1.280	2.250	2.475	.700	.635	1.500	.390	2.190

"M" (ISO) Metric Threaded Adapters (On previous page)

TUFF-SEAL™ TECHNOLOGY

DRAIN FITTINGS

SPECIFICATIONS	
Enclosure	NEMA 3R
UL Standard	514B
Standard Materials	Bodies & nuts - aluminum, steel or stainless steel Screen - stainless steel
Country of Origin	USA

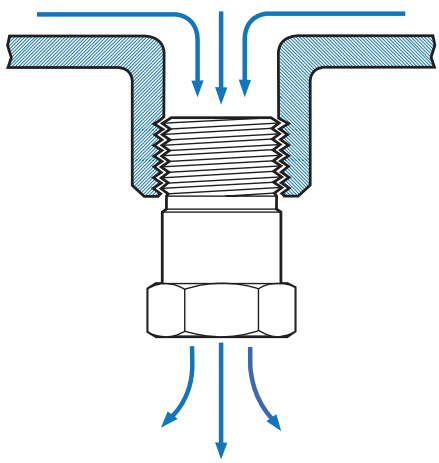
DRAIN FITTINGS

Condensation within an electrical enclosure is a common and potentially dangerous occurrence. To fight this problem, Remke Drain Fittings are installed at the bottom of the enclosures or in a lower section of the conduit system to drain away moisture caused by condensation. These fittings provide continuous ventilation for the prevention and/or release of condensation when properly installed in the appropriate location.

Offered in 1/2 and 3/4 inch NPT sizes, Remke Drain Fittings are precision machined of high-quality stainless steel, steel or aluminum to assure a long service life. These drain fittings are also installed in hubs or drilled & tapped openings and are easy to remove and install for maintenance.

ORDERING CHART

DRAIN FITTINGS		
Thread Size	Material	Part Number
1/2 NPT	Aluminum	RDC50A
1/2 NPT	Steel	RDC50S
1/2 NPT	Stainless Steel	RDC50SS
3/4 NPT	Aluminum	RDC75A
3/4 NPT	Steel	RDC75S
3/4 NPT	Stainless Steel	RDC75SS



DRAIN FITTINGS

Drain Fittings are usually installed at the bottom of the cord grip/ enclosure to drain moisture caused by condensation.

TUFF-SEAL™ TECHNOLOGY

RSF SERIES ALUMINUM FESTOON CABLE CONNECTORS

RSF SERIES ALUMINUM FESTOON CABLE CONNECTORS

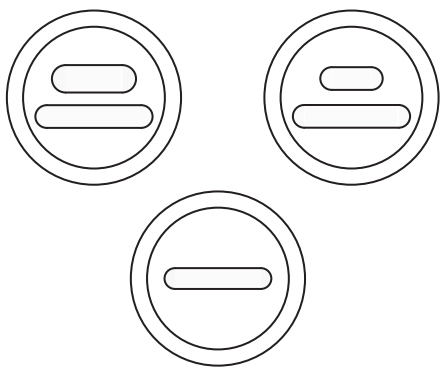
Tuff-Seal™ RSF Festoon Cable Connectors are specially designed for heavy-duty, flat cable or festoon system applications. Unique to the U.S. market, these cord grips are used in place of the traditional two-screw connector at the critical point of termination between the plant environment and the internal wiring of the festoon system.

Benefits of the Festoon Cable Connector include:

- Termination with both mechanical & environmental integrity which minimizes the incidence of disconnected power
- Available in machined aluminum, steel, stainless steel or nylon to meet specific application needs
- Placing multiple cables through one connector saving both labor time and cost – eliminates the need for multiple terminations & connectors.

Manufactured for use in both indoor and outdoor locations, Tuff Seal Festoon Cable Connectors provide a liquid-tight seal that keeps out dirt, moisture, coolants, lubricant and corrosives. Meeting NEMA standards, these grips are available with either M style (ISO), Pg or NPT threads. And they can be customized based on the number of conductors needed for a specific application.

NOTES
SPECIAL CONFIGURATIONS Special configurations and materials are available. Consult factory.
Other thread and body configurations available. Consult factory.
Threads can be supplied as M style (ISO), Pg or NPT.



RSF SERIES ALUMINUM FESTOON CABLE CONNECTORS

COMPLETE ASSEMBLY PART NUMBERS						
Conduit Size	Complete Assembly	Body, Nut, Washer Assembly	Bushing Only	Bushing Dimensions		Number of Holes
1"	RSF-3001	RSR-300-W	SBF-3001	.660 X .240	—	1
	RSF-3002	RSR-300-W	SBF-3002	.750 X .250	—	1
	RSF-3003	RSR-300-W	SBF-3003	.890 X .290	—	1
1 1/4"	RSF-4001	RSR-400-W	SBF-5001	1.190 X .350	—	1
	RSF-4002	RSR-400-W	SBF-5002	1.370 X .250	—	1
	RSF-4003	RSR-400-W	SBF-5003	1.240 X .240	—	1
	RSF-4004	RSR-400-W	SBF-5004	1.130 X .220	—	1
	RSF-4005	RSR-400-W	SBF-5005	1.240 X .240	1.240 X .240	2
	RSF-4006	RSR-400-W	SBF-5006	1.130 X .220	1.130 X .220	2
	RSF-4007	RSR-400-W	SBF-5007	.660 X .240	1.130 X .220	2
	RSF-4008	RSR-400-W	SBF-5008	.660 X .240	1.240 X .240	2
	RSF-4009	RSR-400-W	SBF-5009	.890 X .290	1.130 X .220	2
	RSF-4010	RSR-400-W	SBF-5010	.890 X .290	1.240 X .240	2
	RSF-4011	RSR-400-W	SBF-5011	.750 X .250	1.130 X .220	2
	RSF-4012	RSR-400-W	SBF-5012	.750 X .250	1.240 X .240	2
1 1/2"	RSF-5001	RSR-500-W	SBF-5001	1.190 X .350	—	1
	RSF-5002	RSR-500-W	SBF-5002	1.370 X .250	—	1
	RSF-5003	RSR-500-W	SBF-5003	1.240 X .240	—	1
	RSF-5004	RSR-500-W	SBF-5004	1.130 X .220	—	1
	RSF-5005	RSR-500-W	SBF-5005	1.240 X .240	1.240 X .240	2
	RSF-5006	RSR-500-W	SBF-5006	1.130 X .220	1.130 X .220	2
	RSF-5007	RSR-500-W	SBF-5007	.660 X .240	1.130 X .220	2
	RSF-5008	RSR-500-W	SBF-5008	.660 X .240	1.240 X .240	2
	RSF-5009	RSR-500-W	SBF-5009	.890 X .290	1.130 X .220	2
	RSF-5010	RSR-500-W	SBF-5010	.890 X .290	1.240 X .240	2
	RSF-5011	RSR-500-W	SBF-5011	.750 X .250	1.130 X .220	2
	RSF-5012	RSR-500-W	SBF-5012	.750 X .250	1.240 X .240	2
	RSF-5013	RSR-500-W	SBF-5013	1.500 X .469	—	1
	RSF-5014	RSR-500-W	SBF-5014	1.150 X .484	—	1
	RSF-5015	RSR-500-W	SBF-5015	1.415 X .265	—	1
	RSF-5016	RSR-500-W	SBF-5016	.705 X .250	.705 X .250	2
2"	RSF-6001	RSR-600-W	SBF-6001	1.710 X .500	—	1
	RSF-6002	RSR-600-W	SBF-6002	1.460 X .450	—	1
	RSF-6003	RSR-600-W	SBF-6003	1.770 X .240	—	1
	RSF-6004	RSR-600-W	SBF-6004	1.650 X .220	—	1
	RSF-6005	RSR-600-W	SBF-6005	1.770 X .240	1.770 X .240	2
	RSF-6006	RSR-600-W	SBF-6006	1.650 X .220	1.650 X .220	2
	RSF-6007	RSR-600-W	SBF-6007	1.370 X .250	1.370 X .250	2
	RSF-6009	RSR-600-W	SBF-6009	1.750 X .625	—	1
	RSF-6010	RSR-600-W	SBF-6010	1.500 X .469	1.125 X .265	2
	RSF-6011	RSR-600-W	SBF-6011	.900 X .300	1.750 X .250	2
	RSF-6013	RSR-600-W	SBF-6013	1.500 X .469	—	1
	RSF-6029	RSR-600-W	SBF-6029	.990 X 1.630	—	1
2 1/2"	RSF-7001	RSR-700-W	SBF-7001	2.500 X .750	—	1
	RSF-7002	RSR-700-W	SBF-7002	2.180 X .300	—	1

NOTE: Numerous other configurations are available as stock items. Consult factory.

TUFF-SEAL™ TECHNOLOGY

MULTIPLE HOLE BUSHINGS

The Remke family of Multiple Hole Bushings are the answer when multiple conductors need to be terminated into one fitting. With over 300 configurations available, when you use Remke multiple hole bushings you'll save both money and space by using a single bushing and cord connector instead of separate cord grips for each length of cable.

Remke Multiple Hole Bushings are also available in Silicone. Silicone rubber is used in a variety of industries for its extreme temperature properties and chemical resistance. Silicone is an excellent electrical insulator and its composition makes it highly resistant to ozone, UV and heat. Industries that benefit from silicone rubbers include automotive, medical devices, aviation and aerospace, electronics, construction and industrial.

Any of our Multiple Hole Bushings can fit into any standard Remke cord connector made from aluminum, nickel-plated aluminum, steel, stainless steel, nylon or Valox®. Standard bushings are made from Neoprene but optional materials include silicone for high-temperature applications.

Customized Multiple Hole Bushings are also available. The Remke Engineered Solutions team will work with you to develop the bushing that is best suited for your application.

MULTIPLE HOLE BUSHINGS

PART NUMBERS				
Bushing Only Part Number	Form Size	Number of Holes	Diameter Each Hole (IN)	Conduit Size
SRB-100-UF1	2	1	Oval - .425 x .225	1/2" or 3/4"
SRB-100-UF2	2	1	Oval - .610 x .225	1/2" or 3/4"
SRB-103-2	2	2	.187	1/2" or 3/4"
SRB-104-2	2	2	.250	1/2" or 3/4"
SRB-104-3	2	3	.250	1/2" or 3/4"
SRB-10532-2	2	2	.156	1/2" or 3/4"
SRB-10532-3	2	3	.156	1/2" or 3/4"
SRB-10532-4	2	4	.156	1/2" or 3/4"
SRB-10564-2	2	2	.078	1/2" or 3/4"
SRB-10732-2	2	2	.218	1/2" or 3/4"
SRB-10732-3	2	3	.218	1/2" or 3/4"
SRB-10932-2	2	2	.281	1/2" or 3/4"
SRB-201764-2	3	2	.265	1/2" or 3/4"
SRB-201764-3	3	3	.265	1/2" or 3/4"
SRB-201964-2	3	2	.296	1/2" or 3/4"
SRB-201964-3	3	3	.296	1/2" or 3/4"
SRB-201964-4	3	4	.296	1/2" or 3/4"
SRB-202164-2	3	2	.328	1/2" or 3/4"
SRB-203-4	3	4	.187	1/2" or 3/4"
SRB-204-2	3	2	.250	1/2" or 3/4"
SRB-204-3	3	3	.250	1/2" or 3/4"
SRB-204-4	3	4	.250	1/2" or 3/4"
SRB-205-2	3	2	.312	1/2" or 3/4"
SRB-20516-3	3	3	.312	1/2" or 3/4"
SRB-20732-2	3	2	.218	1/2" or 3/4"
SRB-20732-4	3	4	.218	1/2" or 3/4"
SRB-20932-3	3	3	.281	1/2" or 3/4"
SRB-300-3SP1	4	3	.300	3/4" or 1"
SRB-300-3SP2	4	3	.225	3/4" or 1"
SRB-300-4SP1	4	4	.220	3/4" or 1"
SRB-300-4SP2	4	4	.340	3/4" or 1"
SRB-301964-2	4	2	.296	3/4" or 1"
SRB-301964-4	4	4	.296	3/4" or 1"
SRB-301964-5	4	5	.296	3/4" or 1"
SRB-303-3	4	3	.187	3/4" or 1"
SRB-303-4	4	4	.187	3/4" or 1"
SRB-304-5	4	5	.250	3/4" or 1"
SRB-305-3	4	3	.312	3/4" or 1"
SRB-306-2	4	2	.375	3/4" or 1"
SRB-500-2	5	2	.500/.375	1 1/4" or 1 1/2"
SRB-506-3	5	3	.375	1 1/4" or 1 1/2"
SRB-508-2	5	2	.500	1 1/4" or 1 1/2"
SRB-509-3	5	3	.562	1 1/4" or 1 1/2"
SRB-510-2	5	2	.625	1 1/4" or 1 1/2"

NOTE: Numerous other configurations are available as stock items. Consult factory.

TUFF-SEAL™ TECHNOLOGY

REMKE CUSTOM BUSHING DESIGN GUIDE

BUSHING SIZE – CONNECTOR MATERIAL MATRIX

Based on conduit size and material of construction, custom bushings can fit into all or some of the Remke cord connectors. This matrix will help you determine what is available.

Conduit Size	Bushing Series	Aluminum and Nickel-Plated Aluminum	Steel	Stainless Steel	Nylonand Valox
1/2"	100	X	X	X	X
3/4"	200	X	X	X	X
1"	300	X	X	X	—
1 1/4"	500	X	X	X	—
1 1/2"	500	X	X	X	—
2"	600	X	—	X	—
2 1/2" OR 3"	700	X	—	X	—

HOW TO ORDER A COMPLETE ASSEMBLY

Step 1: Determine the bushing series size you need by laying out multiple conductors in the circles below which represent each size. This process will also help you determine the conduit size.

Step 2: Determine what connector material best suits your application and use the matrix chart to confirm that the bushing fits with the desired connector size and material.

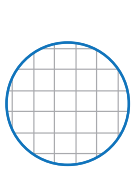
CREATING A FULL ASSEMBLY PART NUMBER FOR EXISTING BUSHINGS

Once you have identified the custom bushing needed, to create a full assembly part number you will need to substitute the prefix of the material of construction you want for the prefix in the bushing only part number.

Material Prefix:

- RSR: Aluminum
- RSRN: Nickel-Plated Aluminum
- RSRS: Steel
- RSSS: Stainless Steel
- RSP: Nylon
- RSPV: Valox

Example: The part number for Bushing SRB-104-2 as a complete assembly to fit into an aluminum cord connector would be RSR-104-2. To fit into a nylon connector, the part number for Bushing SRB-104-2 would be RSP-104-2.



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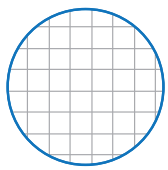

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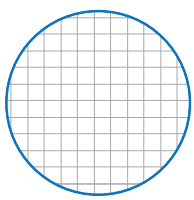

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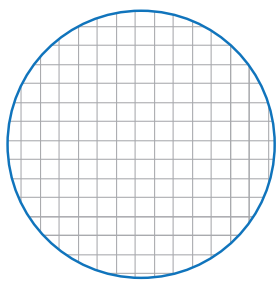

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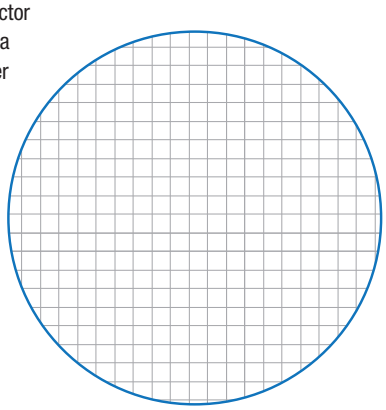

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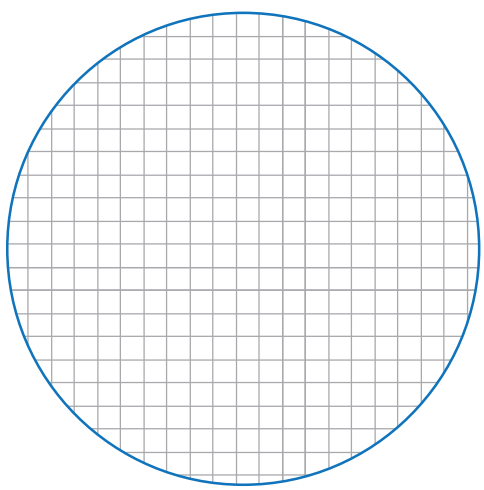


700

TUFF-SEAL™ TECHNOLOGY

TECK CABLE CONNECTORS

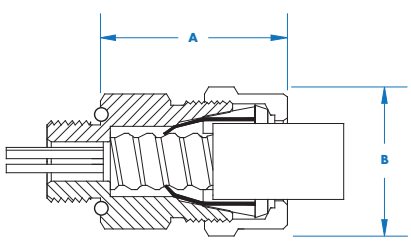
COMPLETE ASSEMBLY PART NUMBERS

Hub Size	Aluminum	Nickel-Plated Aluminum	304 Stainless Steel*	Exposed Armor Length	Cable Range Over Jacket		Cable Range Over Armor	
					Min	Max	Min	Max
1/2"	RTK-050-1	RTKN-050-1	RTKSS-050-1	7/8"	.525"	.650"	.415"	.570"
1/2"	RTK-050-2	RTKN-050-2	RTKSS-050-2	7/8"	.650"	.775"	.540"	.695"
1/2"	RTK-050-3	RTKN-050-3	RTKSS-050-3	7/8"	.750"	.875"	.640"	.795"
1/2"	RTK-050-4	RTKN-050-4	RTKSS-050-4	7/8"	.860"	.985"	.750"	.905"
3/4"	RTK-075-5	RTKN-075-5	RTKSS-075-5	1"	.955"	1.080"	.845"	1.000"
3/4"	RTK-075-6	RTKN-075-6	RTKSS-075-6	1"	1.080"	1.205"	.970"	1.125"
1"	RTK-100-7	RTKN-100-7	RTKSS-100-7	1"	1.205"	1.350"	1.095"	1.270"
1 1/4"	RTK-125-8	RTKN-125-8	RTKSS-125-8	1 1/4"	1.350"	1.475"	1.240"	1.395"
1 1/4"	RTK-125-9	RTKN-125-9	RTKSS-125-9	1 1/4"	1.475"	1.600"	1.365"	1.520"
1 1/4"	RTK-125-10	RTKN-125-10	RTKSS-125-10	1 1/4"	1.600"	1.725"	1.490"	1.645"
1 1/2"	RTK-150-11	RTKN-150-11	RTKSS-150-11	1 1/2"	1.725"	1.850"	1.615"	1.770"
1 1/2"	RTK-150-12	RTKN-150-12	RTKSS-150-12	1 1/2"	1.850"	1.975"	1.740"	1.895"
1 1/2"	RTK-150-13	RTKN-150-13	RTKSS-150-13	1 1/2"	1.975"	2.100"	1.865"	2.020"
2"	RTK-200-14	RTKN-200-14	RTKSS-200-14	1 3/4"	2.100"	2.225"	1.990"	2.145"
2"	RTK-200-15	RTKN-200-15	RTKSS-200-15	1 3/4"	2.225"	2.350"	2.115"	2.270"
2"	RTK-200-16	RTKN-200-16	RTKSS-200-16	1 3/4"	2.350"	2.475"	2.240"	2.395"
2"	RTK-200-17	RTKN-200-17	RTKSS-200-17	1 3/4"	2.475"	2.600"	2.365"	2.520"
2"	RTK-200-18	RTKN-200-18	RTKSS-200-18	1 3/4"	2.600"	2.725"	2.490"	2.645"
2 1/2"	RTK-250-19	RTKN-250-19	RTKSS-250-19	1 3/4"	2.700"	2.850"	2.560"	2.760"
2 1/2"	RTK-250-20	RTKN-250-20	RTKSS-250-20	1 3/4"	2.850"	3.000"	2.710"	2.910"
3"	RTK-300-21	RTKN-300-21	RTKSS-300-21	1 3/4"	3.000"	3.150"	2.860"	3.060"
3"	RTK-300-22	RTKN-300-22	RTKSS-300-22	1 3/4"	3.150"	3.300"	3.010"	3.210"
3"	RTK-300-23	RTKN-300-23	RTKSS-300-23	1 3/4"	3.300"	3.450"	3.160"	3.360"
3 1/2"	RTK-350-24	RTKN-350-24	RTKSS-350-24	1 3/4"	3.450"	3.600"	3.300"	3.500"
3 1/2"	RTK-350-25	RTKN-350-25	RTKSS-350-25	1 3/4"	3.600"	3.750"	3.450"	3.650"
3 1/2"	RTK-350-26	RTKN-350-26	RTKSS-350-26	1 3/4"	3.750"	3.900"	3.600"	3.800"
4"	RTK-400-27	RTKN-400-27	RTKSS-400-27	1 3/4"	3.900"	4.050"	3.750"	3.940"
4"	RTK-400-28	RTKN-400-28	RTKSS-400-28	1 3/4"	4.050"	4.200"	3.900"	4.090"
4"	RTK-400-29	RTKN-400-29	RTKSS-400-29	1 3/4"	4.200"	4.350"	4.050"	4.240"

*NEMA 4X rated

DIMENSIONAL INFORMATION

Hub Size	Dimension A (IN.)	Dimension B (IN.)
1/2"	2.10	1.38
1/2"	2.10	1.53
3/4"	2.45	2.20
1"	2.45	2.47
1 1/4"	3.35	2.97
1 1/2"	3.70	3.50
2"	4.05	4.15
2.5"	4.10	4.60
3"	4.50	5.68
3.5"	4.60	6.02
4"	4.75	6.52



C SA US

CSA STANDARD: C22.2 NO.18-98
FILE NUMBER: 28985
RATINGS: NEMA 4, IP65
PATENT PENDING

PowR-Teck™ TECK CABLE CONNECTORS

Made in the USA, Remke PowR-Teck Teck Cable Connectors feature an exclusive one-piece design. Other manufacturers give you 4 or 5 pieces to assemble and if you lose one you're out of luck.....but not with Remke! When you choose the PowR-Teck connector you get the PowR-Lock™ one-piece design that's more compact in size. And no disassembly is required – just push the cable through, tighten the connector and you're done.

PowR-Teck connectors are designed to form a watertight seal around the jacketed metal cable and at the enclosure entry. Rated NEMA 4 and IP65, these connectors are in-stock in ½" to 4" hub sizes in aluminum, nickel-plated aluminum and stainless steel. Design features of PowR-Teck connectors include:

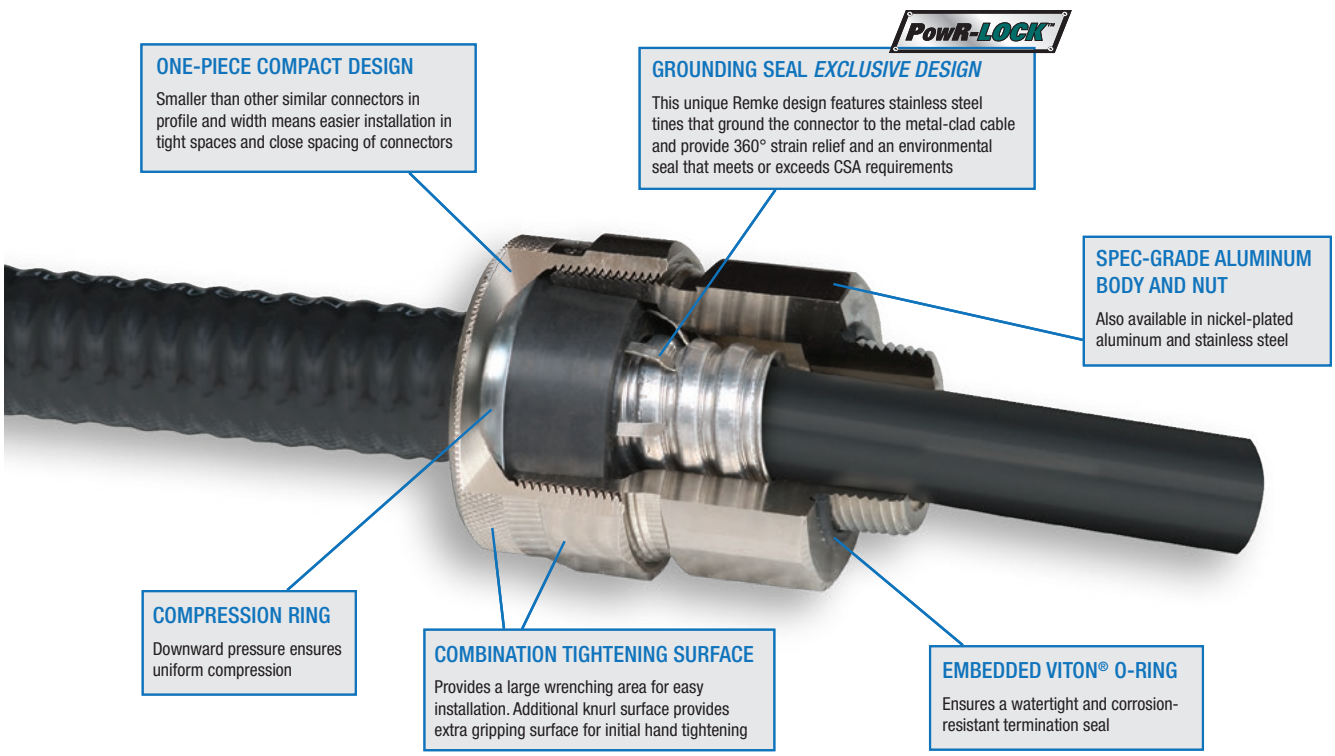
- One-Piece Compact Design
- Unique PowR-Lock Grounding Seal for superior conductivity
- No Disassembly Required for easy and fast installations
- Neoprene bushing provides superior pull-out and sealing protection
- Embedded Viton® O-Ring

The family of PowR-Teck Teck Cable Connectors are ideal for use in these applications:

- Water Treatment and Sewage Treatment Plants
- Mining
- Pulp and Paper Plants
- Oil and Gas Facilities
- Petrochemical Plants
- Automotive Manufacturing and Assembly
- Power Generation/Power Plants
- Plastics Production and Container Manufacturing
- Grain Silos
- Temporary Power

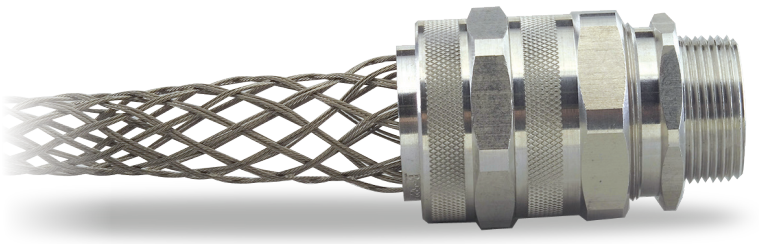
OPTIONAL LOCKNUT PART NUMBERS

Hub Size	Steel	Stainless Steel
1/2"	LN-50	LNSS-50
3/4"	LN-75	LNSS-75
1"	LN-100	LNSS-100
1 1/4"	LN-125	LNSS-125
1 1/2"	LN-150	LNSS-150
2"	LN-200	LNSS-200
2 1/2"	LN-250	LNSS-250
3"	LN-300	LNSS-300
3 1/2"	LN-350	LNSS-350
4"	LN-400	LNSS-400



TUFF-SEAL™ TECHNOLOGY

SWIVEL-FLEX ALUMINUM CORD GRIPS



The Tuff-Seal™ SWV Series, or Swivel-Flex Cord Grips feature a patented swivel design that provides superior cable protection. This patent-pending design virtually eliminates premature mesh fatigue while the mesh prevents cable pull-out. And this combination maximizes both cable and connection life so that downtime and costs are greatly reduced.

Machined flats and threads in the cord connector provide a more secure installation with a visually appealing appearance. A special inner gasket made from neoprene provides a seal against rust, filings and other foreign material. And these grips meet or exceed SAE performance requirements.

Swivel-Flex Grips are ideal for use in applications where repetitive movement of control & power cable occurs such as with robots and automated equipment used in material handling and welding. Grips in this series are available in straight, 45° and 90° body styles with knock-out sizes ranging from 1 1/4" diameter to 1 1/2" diameter.

COMPLETEASSEMBLYPARTNUMBERS

SWIVEL-FLEX ALUMINUM CORD GRIPS				
Conduit Size	Cable Range	Straight	45 Degree	90 Degree
1 1/4"	.562 – .688	SWV-411-E	SWV-45411-E	SWV-9411-E
	.688 – .812	SWV-413-E	SWV-45413-E	SWV-9413-E
	.750 – .875	SWV-414-E	SWV-45414-E	SWV-9414-E
	.875 – 1.000	SWV-416-E	SWV-45416-E	SWV-9416-E
	1.000 – 1.125	SWV-418-E	SWV-45418-E	SWV-9418-E
	1.125 – 1.250	SWV-420-E	SWV-45420-E	SWV-9420-E
	1.250 – 1.375	SWV-422-E	SWV-45422-E	SWV-9422-E
1 1/2"	.562 – .688	SWV-511-E	SWV-45511-E	SWV-9511-E
	.688 – .812	SWV-513-E	SWV-45513-E	SWV-9513-E
	.750 – .875	SWV-514-E	SWV-45514-E	SWV-9514-E
	.875 – 1.000	SWV-516-E	SWV-45516-E	SWV-9516-E
	1.000 – 1.125	SWV-518-E	SWV-45518-E	SWV-9518-E
	1.125 – 1.250	SWV-520-E	SWV-45520-E	SWV-9520-E
	1.250 – 1.375	SWV-522-E	SWV-45522-E	SWV-9522-E

Toll Free Tel: 1.800.701.0975 • Toll Free Fax: 1.800.892.6360 • orders@elecdirect.com

TUFF-SEAL™ TECHNOLOGY

TUFF-FLEX ALUMINUM CORD GRIPS

The redesigned Tuff-Flex Cord Grip Connector features a molded rubber cone that is tapered for improved cable stability. Another key feature of this redesigned connector is that it is more compact with a slimmer profile which provides easier installation in tight spaces. The unique design of this connector is ideally suited for applications where cable damage due to excessive flexing is a concern.

The rubber cone on this connector matches cable arc-of-bend specifications to eliminate damage. 100% rubber construction outlasts PVC designs as it resists hard knocks, splitting and cracking. The Tuff-Flex Cord Grip also features a rubber cone-to-connector seal that is moisture proof. And when the rubber cone is coupled with one of Remke's aluminum or steel strain relief cord grip there is even greater protection from abrasion and cable pull-out.

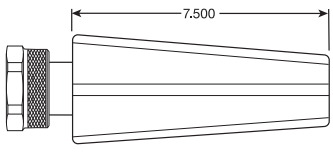
Tuff-Flex Connectors are ideal for use in applications where repetitive movement of control & power cable occurs such as with robots and automated equipment used in material handling and welding. Special 'swivel' versions are also available for those applications producing cable rotation as well as cable flex.

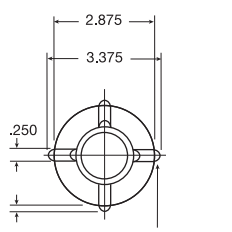
TUFF-FLEX SERIES CORD GRIP CONNECTORS

COMPLETE ASSEMBLY PART NUMBERS				
Conduit Size	Cable Range	Straight	45 Degree	90 Degree
1 1/4"	.562 – .688	TF-411	TF-45411	TF-9411
	.688 – .812	TF-413	TF-45413	TF-9413
	.750 – .875	TF-414	TF-45414	TF-9414
	.875 – 1.000	TF-416	TF-45416	TF-9416
	1.000 – 1.125	TF-418	TF-45418	TF-9418
	1.125 – 1.250	TF-420	TF-45420	TF-9420
	1.250 – 1.375	TF-422	TF-45422	TF-9422
1 1/2"	.562 – .688	TF-511	TF-45511	TF-9511
	.688 – .812	TF-513	TF-45513	TF-9513
	.750 – .875	TF-514	TF-45514	TF-9514
	.875 – 1.000	TF-516	TF-45516	TF-9516
	1.000 – 1.125	TF-518	TF-45518	TF-9518
	1.125 – 1.25	TF-520	TF-45520	TF-9520
	1.250 – 1.375	TF-522	TF-45522	TF-9522

TUFF-FLEX WITH SWIVEL CORD GRIP CONNECTOR

COMPLETE ASSEMBLY PART NUMBERS				
Conduit Size	Cable Range	Straight	45 Degree	90 Degree
1 1/4"	.562 – .688	TFSV-411	TFSV-45411	TFSV-9411
	.688 – .812	TFSV-413	TFSV-45413	TFSV-9413
	.750 – .875	TFSV-414	TFSV-45414	TFSV-9414
	.875 – 1.000	TFSV-416	TFSV-45416	TFSV-9416
	1.000 – 1.125	TFSV-418	TFSV-45418	TFSV-9418
	1.125 – 1.250	TFSV-420	TFSV-45420	TFSV-9420
	1.250 – 1.375	TFSV-422	TFSV-45422	TFSV-9422
1 1/2"	.562 – .688	TFSV-511	TFSV-45511	TFSV-9511
	.688 – .812	TFSV-513	TFSV-45513	TFSV-9513
	.750 – .875	TFSV-514	TFSV-45514	TFSV-9514
	.875 – 1.000	TFSV-516	TFSV-45516	TFSV-9516
	1.000 – 1.125	TFSV-518	TFSV-45518	TFSV-9518
	1.125 – 1.25	TFSV-520	TFSV-45520	TFSV-9520
	1.250 – 1.375	TFSV-522	TFSV-45522	TFSV-9522





NOTE: FOUR RIBS .250 WIDE, .125 HIGH, 90 DEGREES APART

MATERIAL	
Connector	Aluminum
Flex Cone	Type NBR Rubber

NPT TYPE NYLON CORD GRIPS

Material: PA (NYLON), UL 94

Hermetic seal: NBR

Protection degree: IP68, 5 Bar, IP69K

Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)
-4°F to 176°F (-20°C to 80°C) in dynamic state
Instantaneous heat resistance up to 212°F (100°C)

Colour: Grey, Black

RoHS CE IP68 TÜV PRODUCT SERVICE

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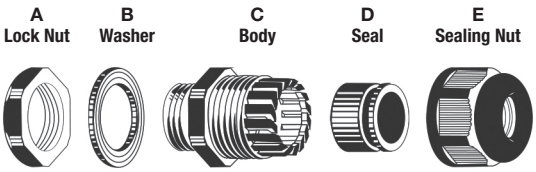
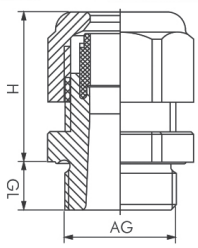
UL F1 In Black colour only

IP69K





Part No. Black	Part No. Grey	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL			
					mm	inch	mm	inch	mm	inch
RDC09NA*	RDC09NA-GR*	3/8" NPT	0.65	.15 - .32	22	.866	15	.591	22/19	.866/.748
RDC09NR*	RDC09NR-GR*	3/8" NPT	0.65	.07 - .24	22	.866	15	.591	22/19	.866/.748
RDC13NA	RDC13NA-GR	1/2" NPT	0.81	.23 - .47	27	1.063	13	.512	24	.945
RDC13NR	RDC13NR-GR	1/2" NPT	0.81	.19 - .35	27	1.063	13	.512	24	.945
RDC16NA	RDC16NA-GR	1/2" NPT	0.81	.39-.56	28	1.102	13	.512	27	1.063
RDC16NR	RDC16NR-GR	1/2" NPT	0.81	.27 - .47	28	1.102	13	.512	27	1.063
RDC21NA	RDC21NA-GR	3/4" NPT	1.02	.51 - .71	31	1.220	14	.551	33	1.299
RDC21NR	RDC21NR-GR	3/4" NPT	1.02	.35 - .63	31	1.220	14	.551	33	1.299
RDC29NA	RDC29NA-GR	1" NPT	1.275	.70 - .98	39	1.535	19	.748	42	1.654
RDC29NR	RDC29NR-GR	1" NPT	1.275	.47 - .79	39	1.535	19	.748	42	1.654
RDC36NA	RDC36NA-GR	1-1/4" NPT		.71 - .98	39	1.535	16	.630	46/42	1.811/1.654
RDC36NR	RDC36NR-GR	1-1/4" NPT		.51 - .79	39	1.535	16	.630	46/42	1.811/1.654

NPT TYPE NYLON CORD GRIPS WITH STRAIN RELIEF

Material: PA (NYLON), UL 94

Hermetic seal: NBR

Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)
-4°F to 176°F (-20°C to 80°C) in dynamic state
Instantaneous heat resistance up to 212°F (100°C)

Colour: Grey, Black

RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

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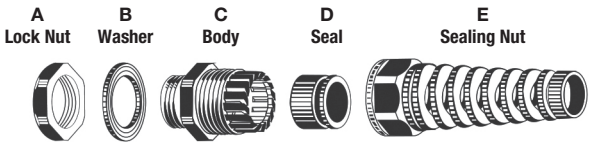
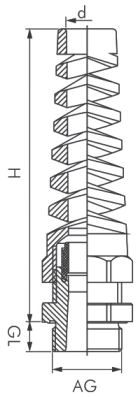
UL F1 In Black colour only





Part No. Black	Part No. Grey††	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL		d			
					mm	inch	mm	inch	mm	inch	mm	inch
RFC09NA*	RFC09NA-GR*	3/8" NPT	0.65	.15 - .32	63	2.480	15	.591	8,5	.334	22/19	.866/.748
RFC09NR*	RFC09NR-GR*	3/8" NPT	0.65	.07 - .24	63	2.480	15	.591	8,5	.334	22/19	.866/.748
RFC13NA	RFC13NA-GR	1/2" NPT	0.81	.23 - .47	90	3.543	13	.512	13	.512	24	.945
RFC13NR	RFC13NR-GR	1/2" NPT	0.81	.19 - .35	90	3.543	13	.512	13	.512	24	.945
RFC16NA	RFC16NA-GR	1/2" NPT	0.81	.39 - .56	100	3.937	13	.512	15,5	.610	27	1.063
RFC16NR	RFC16NR-GR	1/2" NPT	0.81	.27 - .47	100	3.937	13	.512	15,5	.610	27	1.063
RFC21NA	RFC21NA-GR	3/4" NPT	1.02	.50 - .71	114	4.488	14	.551	20	.787	33	1.299
RFC21NR	RFC21NR-GR	3/4" NPT	1.02	.35 - .63	114	4.488	14	.551	20	.787	33	1.299

†† Grey connectors with Strain Relief are Non-stock Items.

NPT TYPE METAL CORD GRIPS

Material: Nickel-plated brass
Fixture pack: PA (NYLON), UL 94
Hermetic seal: NBR
O-Seal ring: NBR
Protection degree: IP68-10 pressure (Rotate position)
Working temperature: -40°F to 212°F (-40°C to 100°C)
Instantaneous heat resistance up to 248°F (120°C)

RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

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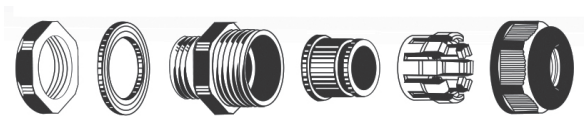
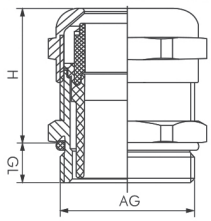




Part No.	AG	Clearance Hole +0.010	Cord/Cable Range ∅ Inch	H		GL			
				mm	inch	mm	inch	mm	inch
BRC09NA*	3/8" NPT	0.65	.15 - .32	21	.827	15	.591	17/19	.669/.748
BRC09NR*	3/8" NPT	0.65	.07 - .24	21	.827	15	.591	17/19	.669/.748
BRC13NA	1/2" NPT	0.81	.23 - .47	24	.945	13	.512	22/24	.748/.945
BRC13NR	1/2" NPT	0.81	.19 - .35	24	.945	13	.512	22/24	.748/.945
BRC21NA	3/4" NPT	1.02	.51 - .71	25	.984	13	.512	30	1.181
BRC21NR	3/4" NPT	1.02	.35 - .63	25	.984	13	.512	30	1.181
BRC29NA	1" NPT	1.275	.70 - .98	29	1.142	19	.748	40	1.575
BRC29NR	1" NPT	1.275	.47 - .79	29	1.142	19	.748	40	1.575

PG TYPE NYLON CORD GRIPS

Material: PA (NYLON), UL 94

Hermetic seal: NBR

Protection degree: IP68, 5 Bar, IP69K

Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)
-4°F to 176°F (-20°C to 80°C) in dynamic state
Instantaneous heat resistance up to 212°F (100°C)

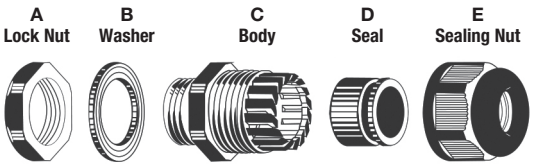
Colour: Grey, Black

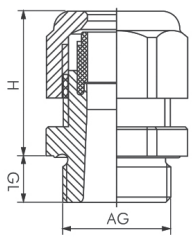
RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

c UL us LISTED E360400

c UL us * UL FILE NO.: E360400

UL F1 In Black colour only





Part No. Black	Part No. Grey	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL			
					mm	inch	mm	inch	mm	inch
RDC07AA*	RDC07AA-GR*	PG 7	0.49	.11 - .26	21	.827	15	.591	15	.591
RDC07AR*	RDC07AR-GR*	PG 7	0.49	.07 - .20	21	.827	15	.591	15	.591
RDC09AA*	RDC09AA-GR*	PG 9	0.60	.15 - .32	21	.827	15	.591	19	.748
RDC09AR*	RDC09AR-GR*	PG 9	0.60	.07 - .24	22	.866	15	.591	19	.748
RDC11AA*	RDC11AA-GR*	PG 11	0.73	.19 - .39	25	.984	15	.591	22	.866
RDC11AR*	RDC11AR-GR*	PG 11	0.73	.11 - .28	25	.984	15	.591	22	.866
RDC13AA	RDC13AA-GR	PG 13,5	0.83	.23 - .47	27	1.063	15	.591	24	.945
RDC13AR	RDC13AR-GR	PG 13,5	0.83	.19 - .35	27	1.063	15	.591	24	.945
RDC16AA	RDC16AA-GR	PG 16	0.90	.39 - .56	28	1.102	15	.591	27	1.063
RDC16AR	RDC16AR-GR	PG 16	0.90	.27 - .47	28	1.102	15	.591	27	1.063
RDC21AA	RDC21AA-GR	PG 21	1.13	.51 - .71	31	1.220	15	.591	33	1.299
RDC21AR	RDC21AR-GR	PG 21	1.13	.35 - .63	31	1.220	15	.591	33	1.299
RDC29AA	RDC29AA-GR	PG 29	1.47	.70 - .98	39	1.535	15	.591	42	1.654
RDC29AR	RDC29AR-GR	PG 29	1.47	.47 - .79	39	1.535	15	.591	42	1.654
RDC36AA	RDC36AA-GR	PG 36	1.87	.87 - 1.26	48	1.890	18	.710	53	2.087
RDC36AR	RDC36AR-GR	PG 36	1.87	.79 - 1.02	48	1.890	18	.710	53	2.087
RDC42AA	RDC42AA-GR	PG 42		1.26 - 1.50	49	1.929	18	.710	60	2.362
RDC42AR	RDC42AR-GR	PG 42		.98 - 1.22	49	1.929	18	.710	60	2.362
RDC48AA	RDC48AA-GR	PG 48		1.46 - 1.73	49	1.929	18	.710	65	2.560
RDC48AR	RDC48AR-GR	PG 48		1.14 - 1.38	49	1.929	18	.710	65	2.560

PG NYLON CORD GRIPS WITH STRAIN RELIEF

Material: PA (NYLON), UL 94

Hermetic seal: NBR

Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)
-4°F to 176°F (-20°C to 80°C) in dynamic state
Instantaneous heat resistance up to 212°F (100°C)

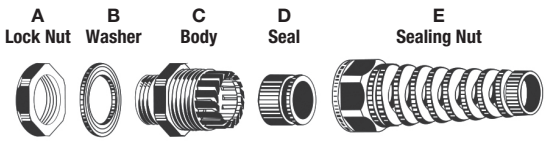
Colour: Grey, Black

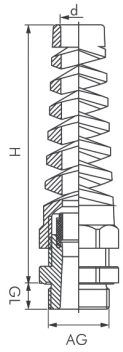
RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

c UL us LISTED E360400

c UL us * UL FILE NO.: E360400

UL F1 In Black colour only





Part No. Black	Part No. Grey††	AG	Clearance Hole +0.010	Cord/Cable Range ∅ Inch	H		GL		d			
					mm	inch	mm	inch	mm	inch	mm	inch
RFC07AA*	RFC07AA-GR*	PG 7	0.49	.11 - .26	54	2.126	15	.591	7	.276	15	.591
RFC07AR*	RFC07AR-GR*	PG 7	0.49	.07 - .20	54	2.126	15	.591	7	.276	15	.591
RFC09AA*	RFC09AA-GR*	PG 9	0.60	.15 - .32	63	2.480	15	.591	8,5	.334	19	.748
RFC09AR*	RFC09AR-GR*	PG 9	0.60	.07 - .24	63	2.480	15	.591	8,5	.334	19	.748
RFC11AA*	RFC11AA-GR*	PG 11	0.73	.19 - .39	78	3.070	15	.591	10,5	.413	22	.866
RFC11AR*	RFC11AR-GR*	PG 11	0.73	.11 - .28	78	3.070	15	.591	10,5	.413	22	.866
RFC13AA	RFC13AA-GR	PG 13,5	0.83	.23 - .47	90	3.543	15	.591	13	.512	24	.945
RFC13AR	RFC13AR-GR	PG 13,5	0.83	.19 - .35	90	3.543	15	.591	13	.512	24	.945
RFC16AA	RFC16AA-GR	PG 16	0.90	.39 - .56	100	3.937	15	.591	15,5	.610	27	1.063
RFC16AR	RFC16AR-GR	PG 16	0.90	.27 - .47	100	3.937	15	.591	15,5	.610	27	1.063
RFC21AA	RFC21AA-GR	PG 21	1.13	.51 - .71	114	4.488	15	.591	20	.787	33	1.299
RFC21AR	RFC21AR-GR	PG 21	1.13	.35 - .63	114	4.488	15	.591	20	.787	33	1.299

†† Grey connectors with Strain Relief are Non-stock Items.

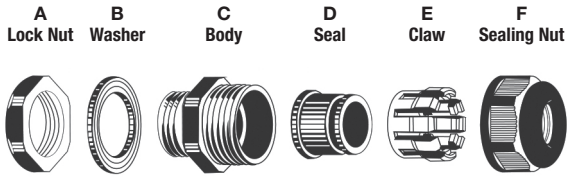
PG TYPE METAL CORD GRIPS

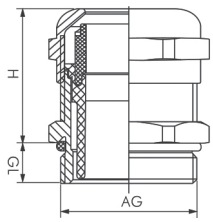
Material: Nickel-plated brass
Fixture pack: PA (NYLON), UL 94
Hermetic seal: NBR
Protection degree: IP68-10 pressure (Rotate position)
Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)

RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

c UL us LISTED E360400

c UL us * UL FILE NO.: E360400





Part No.	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL			
				mm	inch	mm	inch	mm	inch
BRC07AA*	PG 7	0.49	.11 - .26	19	.748	10	.394	14	.551
BRC07AR*	PG 7	0.49	.07 - .20	19	.748	10	.394	14	.551
BRC09AA*	PG 9	0.60	.15 - .32	21	.827	10	.394	17	.669
BRC09AR*	PG 9	0.60	.07 - .24	21	.827	10	.394	17	.669
BRC11AA*	PG 11	0.73	.19 - .39	22	.866	10	.394	20	.787
BRC11AR*	PG 11	0.73	.11 - .28	22	.866	10	.394	20	.787
BRC13AA	PG 13,5	0.83	.23 - .47	24	.945	10	.394	22	.866
BRC13AR	PG 13,5	0.83	.19 - .35	24	.945	10	.394	22	.866
BRC16AA	PG 16	0.90	.39 - .56	23	.906	10	.394	24	.945
BRC16AR	PG 16	0.90	.27 - .47	23	.906	10	.394	24	.945
BRC21AA	PG 21	1.13	.51 - .71	24	.945	12	.472	30	1.181
BRC21AR	PG 21	1.13	.35 - .63	24	.945	12	.472	30	1.181
BRC29AA	PG 29	1.47	.70 - .98	29	1.142	12	.472	40	1.575
BRC29AR	PG 29	1.47	.47 - .79	29	1.142	12	.472	40	1.575
BRC36AA	PG 36	1.87	.87 - 1.26	35	1.378	15	.591	50	1.969
BRC36AR	PG 36	1.87	.79 - 1.02	35	1.378	15	.591	50	1.969

M TYPE NYLON CORD GRIPS

Material: PA (NYLON), UL 94

Hermetic seal: NBR

Protection degree: IP68, 5 Bar, IP69K

Working temperature: -40°F to 212°F (-40°C to 100°C) in static state
Instantaneous heat resistance up to 248°F (120°C)
-4°F to 176°F (-20°C to 80°C) in dynamic state
Instantaneous heat resistance up to 212°F (100°C)

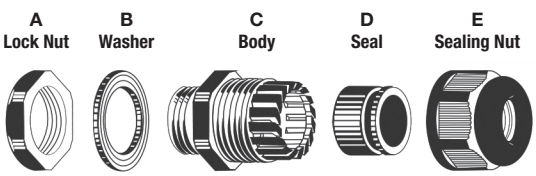
Colour: Grey, Black

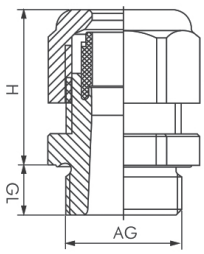
RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

c UL us LISTED E360400

c UL us * UL FILE NO.: E360400

UL F1 In Black colour only





Part No. Black	Part No. Grey	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL			
					mm	inch	mm	inch	mm	inch
RDMC12AA*	RDMC12AA-GR*	M 12 x 1,5	0.49	.11 - .26	21	.827	15	.591	15	.591
RDMC12AR*	RDMC12AR-GR*	M 12 x 1,5	0.49	.07 - .20	21	.827	15	.591	15	.591
RDMC16AA*	RDMC16AA-GR*	M 16 x 1,5	0.63	.19 - .39	25	.984	15	.591	22	.866
RDMC16AR*	RDMC16AR-GR*	M 16 x 1,5	0.63	.11 - .28	25	.984	15	.591	22	.748
RDMC20AA	RDMC20AA-GR	M 20 x 1,5	0.79	.23 - .47	27	1.063	15	.591	24	.945
RDMC20AR	RDMC20AR-GR	M 20 x 1,5	0.79	.20 - .35	27	1.063	15	.591	24	.945
RDMC20AA1	RDMC20AA1-GR	M 20 x 1,5	0.79	.39 - .56	28	1.102	15	.591	27	1.063
RDMC25AA	RDMC25AA-GR	M 25 x 1,5	0.98	.51 - .71	31	1.220	15	.591	33	1.299
RDMC25AR	RDMC25AR-GR	M 25 x 1,5	0.98	.35 - .63	31	1.220	15	.591	33	1.299
RDMC32AA	RDMC32AA-GR	M 32 x 1,5	1.26	.70 - .98	39	1.535	15	.591	42	1.654
RDMC32AR	RDMC32AR-GR	M 32 x 1,5	1.26	.50 - .79	39	1.535	15	.591	42	1.654
RDMC40AA	RDMC40AA-GR	M 40 x 1,5	1.58	.87 - 1.26	48	1.890	18	.710	53	2.087
RDMC40AR	RDMC40AR-GR	M 40 x 1,5	1.58	.79 - 1.02	48	1.890	18	.710	53	2.087
RDMC50AA	RDMC50AA-GR	M 50 x 1,5	1.97	1.26 - 1.50	49	1.929	18	.710	60	2.362
RDMC50AR	RDMC50AR-GR	M 50 x 1,5	1.97	.98 - 1.22	49	1.929	18	.710	60	2.362

M TYPE METAL CORD GRIPS

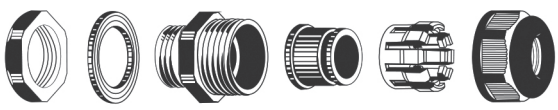
Material: Nickel-plated brass
Fixture pack: PA (NYLON), UL 94
Hermetic seal: NBR
O-Seal ring: NBR
Protection degree: IP68-10 pressure (Rotate position)
Working temperature: -40°F to 212°F (-40°C to 100°C)
Instantaneous heat resistance up to 248°F (120°C)

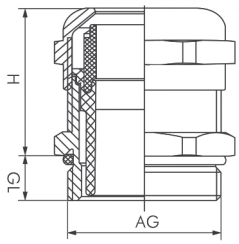
RoHS CE IP68 TÜV PRODUCT SERVICE IP69K

c UL us LISTED E360400

c UL us * UL FILE NO.: E360400

A Lock Nut | B Washer | C Body | D Seal | E Claw | F Sealing Nut





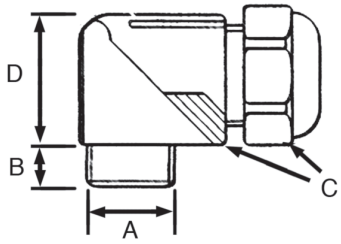
Part No.	AG	Clearance Hole +0.010	Cord/Cable Range Inch	H		GL			
				mm	inch	mm	inch	mm	inch
BRMC12AA*	M 12 x 1,5	0.49	.12 - .26	19	.748	10	.394	14	.551
BRMC12AR*	M 12 x 1,5	0.49	.08 - .20	19	.748	10	.394	14	.551
BRMC16AA*	M 16 x 1,5	0.63	.19 - .39	22	.866	10	.394	20	.787
BRMC16AR*	M 16 x 1,5	0.63	.07 - .24	21	.827	10	.394	17/19	.669/.748
BRMC20AA	M 20 x 1,5	0.79	.24 - .47	23	.906	10	.394	22	.866
BRMC20AR	M 20 x 1,5	0.79	.11 - .28	23	.906	10	.394	22	.866
BRMC25AA	M 25 x 1,5	0.98	.39 - .55	26	1.024	12	.472	30	1.181
BRMC25AR	M 25 x 1,5	0.98	.27 - .47	26	1.024	12	.472	30	1.181
BRMC32AA	M 32 x 1,5	1.26	.70 - .98	31	1.220	12	.472	40	1.575
BRMC32AR	M 32 x 1,5	1.26	.35 - .63	31	1.220	12	.472	40	1.575
BRMC40AA	M 40 x 1,5	1.58	.71 - .98	37	1.457	15	.591	50	1.969
BRMC40AR	M 40 x 1,5	1.58	.51 - .79	37	1.457	15	.591	50	1.969
BRMC50AA	M 50 x 1,5	1.97	.87 - 1.26	37	1.457	15	.591	57	2.244
BRMC50AR	M 50 x 1,5	1.97	.79 - 1.02	37	1.457	15	.591	57	2.244

TUFF-SEAL™ TECHNOLOGY

DOME CAP™ CABLEGLANDS

SPECIFICATIONS	
Materials	Polyamide 6
Sealing Ring	Neoprene
Protection Class	IP68
Clamping Insert	Polyamide 6
O Ring	NBR (Buna N, Nitrile)
Black is Standard Color	

DOME CAP 90° SNAP ELBOW NON-METALLIC CABLEGLANDS WITH NPT THREADS



Dome Cable Glands	Locking Nuts	Cable Range (in.)	Thread Type & Size	Clearance hole (in.) (A)	Thread Length (in.) (B)	Across Flats (in.) (C)	Height (in.) (D)
PG THREADS							
RE13NS	RLN13-BK	.11 - .27	1/2" NPT	0.82	0.75	0.94	1.20
RE13NR	RLN13-BK	.20 - .35	1/2" NPT	0.82	0.75	0.94	1.20
For fully assembled cable gland with O-Ring and Locknut add "-R" for O-Ring and "-N' for locknut after the last suffix							

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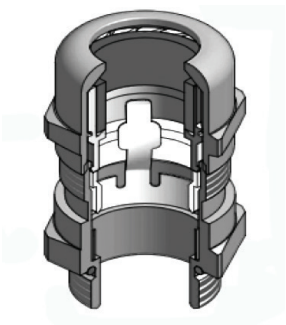
SPECIFICATIONS	
Materials	Brass, Nickel-Plated
Clamping Insert	Polyamide 6 V2
Contact Spring	Special Copper Alloy
Protection Class	IP68 - 5 Bar
Seal	Chloroprene
O-Ring	NBR
Attachment Thread	EN60423

DOME CAP STANDARD EMC CABLE GLANDS WITH METRIC OR NPT THREADS



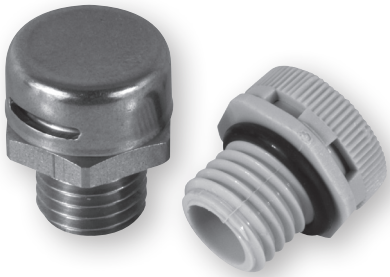
Dome Cable Glands	Locknuts	Thread Type & Size	Clearance Hole (inches)	Thread Length (inches)	Across Flats (inches)	Cable Range Ø (inches/min-max)	Shield Diameter Ø (inches/min)
EMC/METRIC THREADS							
BRM4E12	RLEM12	M12X1.5	0.47	0.24	0.55	.118 - .256	.078 - .197
BRM4E16	RLEM16	M16X1.5	0.63	0.24	0.79	.197 - .394	.138 - .314
BRM4E20-2S	RLEM20	M20X1.5	0.79	0.24	0.87	.236 - .472	.177 - .394
BRM4E20	RLEM20	M20X1.5	0.79	0.31	1.00	.295 - .551	.216 - .453
BRM4E25	RLEM25	M25X1.5	1.00	0.31	1.18	.394 - .709	.275 - .551
BRM4E32	RLEM32	M32X1.5	1.26	0.35	1.57	.630 - .984	.472 - .787
BRM4E40	RLEM40	M40X1.5	1.57	0.35	1.97	.866 - 1.260	.709 - 1.063
BRM4E50	RLEM50	M50X1.5	1.97	0.35	1.97	1.181 - 1.496	1.024 - 1.339
BRM4E60	RLEM60	M63X1.5	2.48	0.55	2.52	1.339 - 1.732	1.181 - 1.575
BRM4E63	RLEM63	M63X1.5	2.48	0.39	2.95	1.457 - 2.087	1.300 - 1.929

Part No.	Size	Cable Range Ømin-max mm	Shield Dia. Ømin-max mm	Thread Length	Across Flats
EMC/NPT THREADS					
BRN4E13	NPT 1/2"	.236 - .472	.177 - .394	0.314	0.866
BRN4E13S	NPT 1/2"	.295 - .551	.216 - .453	0.314	0.944
BRN4E21	NPT 3/4"	.394 - .709	.275 - .551	0.314	1.181
BRN4E29	NPT 1"	.630 - .984	.472 - .787	0.354	1.574
BRN4E36	NPT 1 1/4"	.866 - 1.260	.709 - 1.063	0.354	1.968
BRN4E42	NPT 1 1/2"	1.180 - 1.496	.1.024 - 1.338	0.551	2.362
BRN4E48	NPT 2"	1.338 - 1.732	1.181 - 1.575	0.551	2.677

Hub Size	Steel	Brass
OPTIONAL LOCKNUT PART NUMBERS		
NPT 1/2"	LN-50	NN-13-BR
NPT 3/4"	LN-75	NN-21-BR
NPT 1"	LN-100	NN-29-BR
NPT 1 1/4"	LN-125	N/A
NPT 1 1/2"	LN-150	N/A
NPT 2"	LN-200	N/A

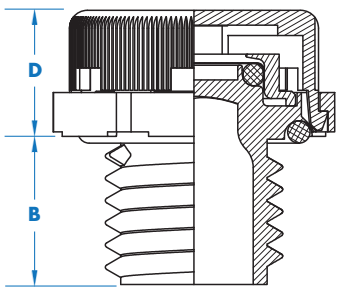
TUFF-SEAL™ TECHNOLOGY

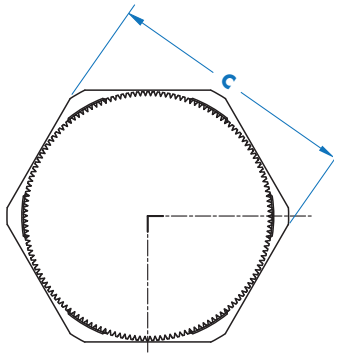
DOME CAP™ PE VENT PLUGS



SPECIFICATIONS	
Housing Materials	PA6-V2 or Stainless Steel
Membrane Material	Acrylic co-polymer on nylon support
Membrane Feature	Hydrophobic - Oleophobic
Protection degree	IP68 (Refer to chart for pressure)
Protection Against Water Jet	IP69K
Air Flow Rates	Refer to the chart
Working Temperatures	40°C to +105°C
AvailableMembrane Permeability	S (standard) M (medium) H (high) UH (ultra high)
O-rings	Nitrile Rubber

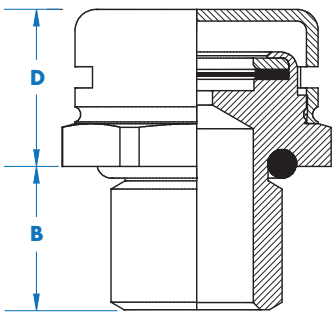
POLYAMIDEDOMEVENTPLUGS

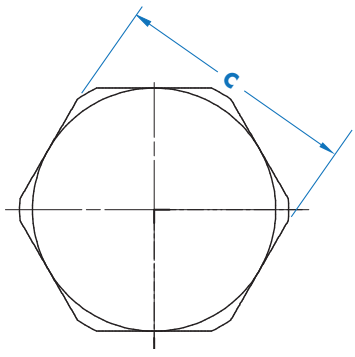




Polyamide 6 Gray	Locknuts	ThreadSize	Clearance hole (inches)	Thread Length (B) (inches)	Across Flats (C) (inches)	Head Height D (inches)	ΔP = 1 Psi = 70 m Bar. Average AirPermeabilityin liters per hour	Water Intrusion Pressure in Bar	Plug Type
RVP15-M12-NM	RLM12-GY	M12X1.5	0.492	0.236	0.669	0.295	16	0.9	A
RVP15-M12-NM-LT	RLM12-GY	M12X1.5	0.492	0.393	0.866	0.492	16	0.9	A
Option: Additional Thread Sizes and Permeability Levels, (Medium, High and Ultra High) are available upon request. Note: Locknuts are non-metallic									

STAINLESSSTEELDOMEVENTPLUGS





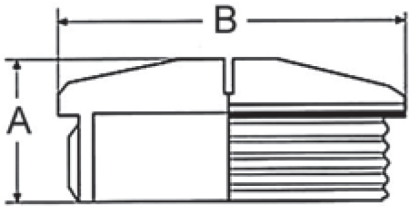
Stainless Steel	Locknuts	ThreadSize	Clearance hole (inches)	Thread Length (B) (inches)	Across Flats (C) (inches)	Head Height D (inches)	ΔP = 1 Psi = 70 m Bar. Average AirPermeabilityin liters per hour	Water Intrusion Pressure in Bar	Plug Type
RVP10-M12-SS-LT	RLM12-BR	M12X1.0	0.492	0.394	0.669	0.433	16	0.9	C
RVP15-M12-SS	RLM12-BR	M12X1.5	0.492	0.236	0.669	0.295	16	0.9	C
RVP15-M12-SS-LT	RLM12-BR	M12X1.5	0.492	0.394	0.669	0.433	16	0.9	C
Option: Additional Thread Sizes and Permeability Levels, (Medium, High and Ultra High) are available upon request. Note: Locknuts are nickel-plated brass									

TUFF-SEAL™ TECHNOLOGY

DOME CAP™ BLIND STOP PLUGS

SPECIFICATIONS	
Materials	Polyamide 6

DOME CAP BLIND STOP PLUGS WITH PG OR ISO/METRIC THREADS



PG THREADS				
Dome Plugs	Color	Thread Type & Size	Height (A) (mm)	DIA. (B) (mm)
RBP09-GY	GRAY	PG 09	9.00	19.00
RBP11-GY	GRAY	PG 11	9.00	22.00
RBP13-GY	GRAY	PG 13.5	9.50	25.00
RBP16-GY	GRAY	PG 16	9.50	27.00
RBP21-GY	GRAY	PG 21	11.00	33.00
RBP29-GY	GRAY	PG 29	12.00	44.00
ISO/METRIC THREADS				
RBMP16-GY	GRAY	M16 X 1.5	6.00	20.00
RBMP20-GY	GRAY	M20 X 1.5	6.00	24.00
RBMP25-GY	GRAY	M25 X 1.5	8.00	30.00
RBMP32-GY	GRAY	M32 X 1.5	8.00	37.00

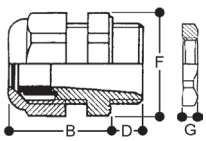
Note: Other sizes and colors available upon request. Minimums may apply

DOME & FLEX-PROTECTING LIQUID-TIGHT STRAIN RELIEF CONNECTORS

Applications & Specifications

These Polyamide strain relief connectors are resistant to salt water, weak acids, weak alkalis, alcohol, esters, ketones, ether, gasoline, mineral oil, animal and vegetable oil and meet IP68 specifications for liquid tight. They can be utilized underwater to 300 feet, underground for direct burial cables, fiber optics, computers, control cabinets, instruments, medical/dental equipment, car washes, hot tubs, and carpet cleaning machines.

No disassembly required, simply push cable or tubing through installed strain relief connector and tighten dome nut.



Protection Class: IP68, 5 bar
Materials: Polyamide 6 neoprene seal
Operating Temperature: Up to 302°F (150°C) intermittent
Temperature Range: -22°F to 176°F (-30°C to 80°C) permanent

Part No.			DIMENSIONS				
Dome Connector	Cable or Tubing Range	Thread Type Size	Clearance Hole +.010	B Max O.A Length (Dome)	C Max O.A Length (Flex)	D Thread Length	F Wrenching Flats
RD07AA	.12-.26	PG 7	0.49	0.87	2.50	0.31	0.59
RD07AR	.08-.20						
RD09AA	.15-.32	PG 9	0.60	0.98	3.00	0.31	0.75
RD09AR	.08-.20						
*RD09NA	.20-.39	3⁄8" NPT	0.65	1.10	3.25	0.59	0.87
RD09NR	.12-.28						
RD11AA	.19-.39	PG 11	0.73	1.10	3.50	0.31	0.88
RD11AR	.11-.28						
RD13AA	.23-.47	PG 13.5	0.83	1.14	4.00	0.34	0.94
RD13AR	.19-.35						
*RD13NA	.24-.47	1⁄2" NPT	0.81	1.14	4.22	0.59	0.94
*RD13NR	.20-.35						
*RD16NA	.39-.55	1⁄2" NPT	0.81	1.22	4.61	0.59	1.06
RD16NR	.27-.47						
RD16AA	.39-.55	PG 16	0.90	1.22	4.44	0.39	1.06
RD16AR	.27-.47						
RD21AA	.51-.71	PG 21	1.13	1.38	5.00	0.44	1.30
RD21AR	.35-.63						
*RD21NA	.51-.71	3⁄4" NPT	1.02	1.38	5.12	0.59	1.30
*RD21NR	.35-.63						
RD29AA	.70-.98	PG 29	1.47	1.57	—	0.44	1.65
RD29AR	.47-.79						
RD29NA	.71-.98	1" NPT	1.275	1.57	—	0.71	1.65
RD29NR	.47-.79						
†RD36AA	.87-1.26	PG 36	1.87	1.93	—	0.51	2.09
†RD36AR	.79-1.02						

LOCKING NUTS (Polyamide)			
Part No.	THREAD TYPE & SIZE	DIMENSIONS (INCHES)	
Locking Nut (Black)		G Thickness	Wrenching Flat
NP-07-BK	PG 7	0.20	0.75
NP-09-BK	PG 9	0.20	0.87
NN-09-BK	3⁄8" NPT	0.27	0.94
NP-11-BK	PG 11	0.20	0.94
NP-13-BK	PG 13.5	0.24	1.06
NN-13-BK	1⁄2" NPT	0.27	1.06
NN-13-BK	1⁄2" NPT	0.27	1.06
NP-16-BK	PG 16	0.24	1.18
NP-21-BK	PG 21	0.27	1.41
NN-21-BK	3⁄4" NPT	0.27	1.26
NP-29-BK	PG29	0.26	1.81
NN-29-BK	1" NPT	0.27	1.57
NP-36-BK	PG 36	0.31	2.36

(only part numbers with * are available in grey, add suffix -GR to part number)

† **cUL** E184471

3/8", 1/2" & 3/4" thread size come with anti-vibration gland nut.

RoHS COMPLIANT

c UL LISTED E199260

UL LISTED

C SA US 115116

ECONOMY CONNECTORS

Steel Cord Grip Connectors

LISTED E96445 LR 61799 RoHS COMPLIANT

- Screw Machined Steel Fittings
- CSA and UL Approved
- Neoprene Grommet
- Compact Size
- Label Shows Cable Diameter
- Zinc Plated

Part No.	COLOUR CODE	GROMMET HUB SIZE	FOR CABLE DIAMETER
CG50A250	Red	1/2" CORD GRIP	.15-.25"
CG50A350	WHITE	1/2" CORD GRIP	.26-.35"
CG50A450	BLUE	1/2" CORD GRIP	.36-.45"
CG50A560	GREEN	1/2" CORD GRIP	.46-.56"
CG50A650	BROWN	1/2" CORD GRIP	.57-.65"
CG75A250	RED	3/4" CORD GRIP	.15-.25"
CG75A350	WHITE	3/4" CORD GRIP	.26-.35"
CG75A450	BLUE	3/4" CORD GRIP	.36-.45"
CG75A560	GREEN	3/4" CORD GRIP	.46-.56"
CG75A650	BROWN	3/4" CORD GRIP	.57-.65"
CG75B750	YELLOW	3/4" CORD GRIP	.66-.75"
CG75B850	PURPLE	3/4" CORD GRIP	.76-.85"
CG100B560	GREEN	1" CORD GRIP	.46-.56"
CG100B650	BROWN	1" CORD GRIP	.57-.65"
CG100B750	YELLOW	1" CORD GRIP	.66-.75"
CG100B850	PURPLE	1" CORD GRIP	.76-.85"
CG100C950	GREY	1" CORD GRIP	.86-.95"
CG100C1050	BLACK	1" CORD GRIP	.96-1.05"

For 90° add suffix "90" to part number

Spiro-Grip Connectors

LISTED E105706 LR 49636

- Complete with lock-nut and sealing ring

Part No.	HUB SIZE	FOR CABLE DIAMETER
SPG50-1030	1/2" CORD GRIP BLACK	.10- .30"
SPG50-2047	1/2" CORD GRIP BLACK	.20- .47"
SPG50-3875	1/2" CORD GRIP BLACK	.38- .75"
SPG75-2047	3/4" CORD GRIP BLACK	.20- .47"
SPG75-3875	3/4" CORD GRIP BLACK	.38- .75"

* Non-metallic

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.	

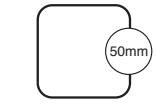
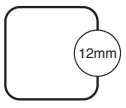
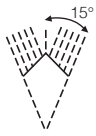
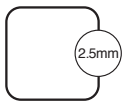
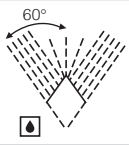
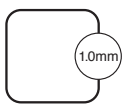
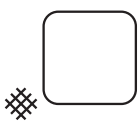
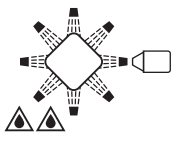
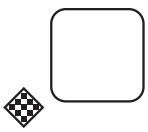
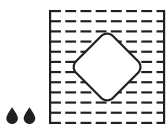
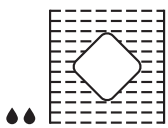
APPROVALS, CERTIFICATION & COMPLIANCES		
AGENCY	FILE NUMBER	PRODUCT OR COMPONENT
Underwriters Laboratories Inc. (UL)	E53599	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRS Cord Grips RSRF Series
	E52002	Liqua-Seal Connectors
	E52002(N)	WH Series Watertight Conduit Hubs
	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

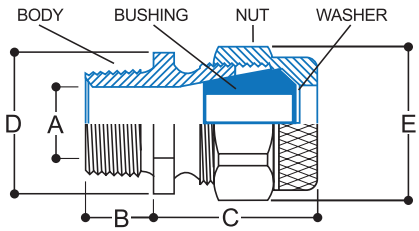
IP RATINGS DEFINITION

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.
			7		Protection against immersion between 15cm and 1M
			8		Protection against complete and continuous immersion in water under pressure e.g Water-Tight

IP CODE EXAMPLE

IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)

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
3/12"	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

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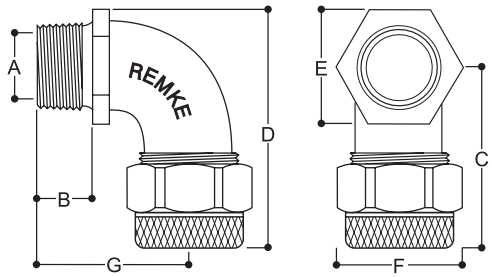
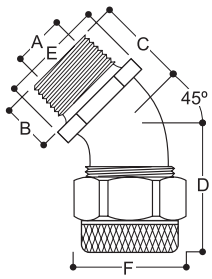
RSR SERIES 90° CORD GRIP DIMENSIONS



Note: Dimension "E" is across flats
Dimension "F" is across corners

ALUMINUM AND NICKEL-PLATED ALUMINUM							
Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut	G
3/8"	0.45	0.44	1.51	2.00	0.98	0.96	1.31
1/2"	0.58	0.56	1.88	2.39	1.03	1.26	1.50
3/4"	0.76	0.63	2.25	2.88	1.25	1.55	1.99
1"	0.99	0.63	2.41	3.13	1.44	1.74	2.00
1 1/4"	1.28	0.69	3.19	4.41	2.13	2.47	2.69
1 1/2"	1.40	0.69	3.19	4.41	2.13	2.47	2.69
2"	1.90	0.81	4.03	5.56	2.81	2.97	3.19
NOTE: 1 1/4" and 1 1/2" size grips have hex positioned per right view above. All other sizes have hex positioned per left view below.							

RSR SERIES 45° CORD GRIP DIMENSIONS

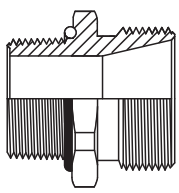


Note: Dimension "E" is across flats
Dimension "F" is across corners

ALUMINUM AND NICKEL-PLATED ALUMINUM						
Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut
3/8"	0.45	0.44	1.51	2.00	0.98	0.96
1/2"	0.58	0.56	1.88	2.39	1.03	1.26
3/4"	0.76	0.63	2.25	2.88	1.25	1.55
1"	0.99	0.63	2.41	3.13	1.44	1.74
1 1/4"	1.28	0.69	3.19	4.41	2.13	2.47
1 1/2"	1.40	0.69	3.19	4.41	2.13	2.47
2"	1.90	0.81	4.03	5.56	2.81	2.97
NOTE: 1 1/4" and 1 1/2" size grips have hex positioned per right view above. All other sizes have hex positioned per left view below.						

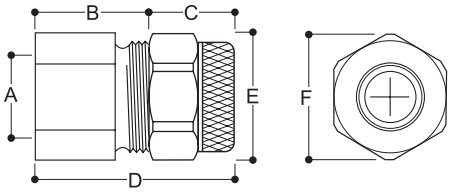
CONDUIT SEALS AND LOCKNUTS		
Conduit Sesld	Size	Locknuts
SOR-38	3/8"	LN-38
SOR-1-VNT	1/2"	LN-50
SOR-2	3/4"	LN-75
SOR-3	1"	LN-100
SOR-4	1 1/4"	LN-125
SOR-51	1 1/2"	LN-150
SOR-16	2"	LN-200
—	2 1/2"	LN-250
—	3"	LN-300

RSR SERIES CORD GRIPS WITH O-RINGS



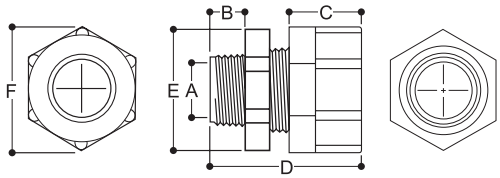
These Tuff-Seal RSR grips feature an O-ring that creates a watertight seal when they are used in a taper tapped conduit hub. In these applications gaskets must be used in either the knockouts or clearance drilled holes. To ensure a more reliable seal an embedded O-ring should be utilized. Many of the standard Tuff-Seal cord grips listed in this catalog feature a body hex large enough to permit machining a groove for the embedded O-ring.

RSRF SERIES CORD GRIP DIMENSIONS



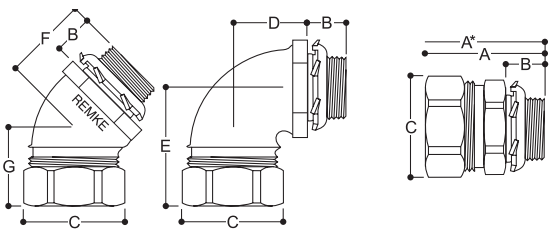
SPECIFICATIONS						
Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut
3/8"	0.44	0.62	0.75	1.38	0.88	0.99
1/2"	0.62	0.69	1.06	1.75	1.12	1.33
3/4"	0.63	0.81	1.00	1.81	1.31	1.33
1"	0.94	0.94	1.31	2.25	1.63	1.70
1 1/4"	1.44	1.06	1.69	2.75	2.25	2.55
1 1/2"	1.44	1.06	1.69	2.75	2.25	2.55
2"	1.88	1.25	2.38	3.63	2.75	3.25
NOTE: Dimensions for the RSRH Hub Style Cord Grips are the same as above except for the addition of the nipple.						

RSP AND RSPV STRAIGHT CORD GRIPS DIMENSIONS



SPECIFICATIONS						
Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut
3/8"	0.44	0.49	0.70	1.63	0.94	0.94
1/2"	0.57	0.50	0.88	2.01	1.12	1.25
3/4"	0.76	0.56	0.88	2.10	1.38	1.50
Dimension A is the minimum Body Bore. Other dimensions are nominal.						
Dimension D is with the Nut snug but bushing uncompressed.						
Dimension E is across the Straight Body hex. flats. Dimension F is across Nut hex. flats.						
Dimensions are approximate.						

LIQUA-SEAL CONNECTOR DIMENSIONS



SPECIFICATIONS										
Conduit Size	Hub Size	A	A*	B	C Flats	C Corners	D	E	F	G
3/8"	1/2"	1.47	4.47	0.50	1.00	1.10	1.37	1.58	0.84	1.26
1/2"	1/2"	1.47	4.97	0.50	1.13	1.23	1.37	1.75	0.87	1.47
3/4"	3/4"	1.54	5.54	0.56	1.38	1.52	1.53	1.91	0.95	1.55
1"	1"	1.96	6.96	0.64	1.63	1.80	1.81	2.23	1.10	1.81
1 1/4"	1 1/4"	2.09	8.09	0.72	2.25	2.41	2.05	2.33	1.35	1.84
1 1/2"	1 1/2"	2.09	8.84	0.72	2.50	2.68	2.18	2.46	1.43	1.90
2"	2"	2.16	10.16	0.78	3.00	3.21	2.51	2.73	1.53	2.00
NOTE: Nominal Dimensions in Inches. A* Dimension is overall length of connector with wire mesh grip. Larger sizes are available. Contact factory.										

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

SELECTED CORD & CABLE DIAMETERS

Type of Cord	AWG Size of Conductors	Number of Conductors-Approximate O.D. in Inches		
		2 Conductor	3 Conductor	4 Conductor
SVO, SVTO	18	.235	.255	—
SJ, SJO, SJT, SJTO	18	.290	.320	.335
	16	.320	.340	.385
	14	.350	.375	.415
	12	.430	.445	.500
	10	.560	.600	.680
S, SO, ST, STO	18	.345	.365	.390
	16	.370	.390	.415
	14	.500	.530	.570
	12	.575	.600	.650
	10	.625	.660	.710
	8	.675	.725	.780
	6	.795	.865	.900
	4	.900	.975	1.100
	2	1.105	1.170	1.290
W	6	.930	1.010	1.100
	4	1.080	1.170	1.270
	3	1.170	1.240	1.340
	2	1.270	1.340	1.480
	1	1.440	1.510	1.680
	1/0	1.520	1.650	1.790
	2/0	1.650	1.750	1.930
	3/0	1.770	1.890	2.070
	4/0	1.920	2.040	2.260
	250	—	2.390	—
BUS DROP CABLE	14	—	.400	—
	12	—	.440	—
	10	—	.500	—
	8	—	.665	—
	6	—	.815	—
	4	—	.955	—
	2	—	1.175	—

FRACTION/DECIMAL/METRICCONVERSION

Fraction	Decimal	MM	Fraction	Decimal	MM
1/64	0.0156	0.397	33/64	0.5156	13.097
1/32	0.0312	0.794	17/32	0.5312	13.494
3/64	0.0469	1.191	35/64	0.5469	13.891
1/16	0.0625	1.588	9/16	0.5625	14.288
5/64	0.0781	1.984	37/64	0.5781	14.684
3/32	0.0938	2.381	19/32	0.5938	15.081
7/64	0.1094	2.778	39/64	0.6094	15.478
1/8	0.1250	3.175	5/8	0.6250	15.875
9/64	0.1406	3.572	41/64	0.6406	16.272
5/32	0.1562	3.969	21/32	0.6562	16.669
11/64	0.1719	4.366	43/64	0.6719	17.066
3/16	0.1875	4.762	11/16	0.6875	17.462
13/64	0.2031	5.159	45/64	0.7031	17.859
7/32	0.2188	5.556	23/32	0.7188	18.256
15/64	0.2344	5.953	47/64	0.7344	18.653
1/4	0.2500	6.350	3/4	0.7500	19.050
17/64	0.2656	6.747	49/64	0.7656	19.447
7/32	0.2812	7.144	25/32	0.7812	19.844
19/64	0.2969	7.541	51/64	0.7969	20.241
5/16	0.3125	7.938	53/64	0.8281	21.034
21/64	0.3281	8.334	27/32	0.8438	21.431
11/32	0.3438	8.731	55/64	0.8594	21.828
23/64	0.3594	9.128	7/8	0.8750	22.225
3/8	0.3750	9.525	57/64	0.8906	22.622
25/64	0.3906	9.922	29/32	0.9062	23.019
13/32	0.4062	10.319	59/64	0.9219	23.416
27/64	0.4219	10.716	15/16	0.9375	23.812
7/16	0.4375	11.112	61/64	0.9531	24.209
29/64	0.4531	11.509	31/32	0.9688	24.606
15/32	0.4688	11.906	63/64	0.9844	25.003
31/64	0.4844	12.303			
1/2	0.5000	12.700			

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FLEXIBLEELECTRICALCORDORCABLETOCORDGRIPSELECTIONTABLE

Cord Type SJ-SJTO SJO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
—	.125-.188	1/2"	RSR-1003	RSR-103	RSR-9103	RSR-45103
—	.125-.188	3/4"	RSR-2103	—	—	—
—	.188-.250	1/2"	RSR-1004	RSR-104	RSR-9104	RSR-45104
—	.188-.250	3/4"	RSR-2104	—	—	—
18/2	.290	1/2"	RSR-1005	RSR-105	RSR-9105	RSR-45105
18/2	.290	3/4"	RSR-2105	—	—	—
18/3	.320	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/3	.320	3/4"	RSR-2106	—	—	—
18/4	.335	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/4	.335	3/4"	RSR-2106	—	—	—
16/2	.320	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/2	.320	3/4"	RSR-2106	—	—	—
16/3	.340	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/3	.340	3/4"	RSR-2106	—	—	—
16/4	.385	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
16/4	.385	3/4"	RSR-2107	—	—	—
14/2	.350	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
14/2	.350	3/4"	RSR-2106	—	—	—
14/3	.375	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
14/3	.375	3/4"	RSR-2107	—	—	—
14/4	.415	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
14/4	.415	3/4"	RSR-2107	—	—	—

Cord Type S-STO-SO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
18/2	.345	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/2	.345	3/4"	RSR-2106	—	—	—
18/3	.365	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/3	.365	3/4"	RSR-2106	—	—	—
18/4	.390	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
18/4	.390	3/4"	RSR-2107	—	—	—
16/2	.370	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/2	.370	3/4"	RSR-2106	—	—	—
16/3	.390	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
16/3	.390	3/4"	RSR-2107	—	—	—
16/4	.415	1/2"	RSR-107	RSR-1207	RSR-9107	RSR-45107
16/4	.415	3/4"	RSR-2107	—	—	—
14/2	.500	1/2"	RSR-109	RSR-1209	RSR-9109	RSR-45109
14/2	.500	3/4"	RSR-2109	RSR-209	RSR-9209	RSR-45209
14/2	.500	1"	RSR-309	—	RSR-9309	RSR-45309
14/3	.530	1/2"	RSR-109	RSR-1209	RSR-9109	RSR-45109
14/3	.530	3/4"	RSR-2109	RSR-209	RSR-9209	RSR-45209
14/3	.530	3/4"	RSR-209	—	RSR-9210	RSR-45210
14/3	.530	1"	RSR-309	RSR-310	RSR-9309	RSR-45309
14/4	.570	1/2"	RSR-110	RSR-1211	RSR-9110	RSR-45110
14/4	.570	3/4"	RSR-2110	RSR-211	RSR-9210	RSR-45210
14/4	.570	1"	RSR-310	RSR-311	RSR-9310	RSR-45310
12/2	.575	1/2"	RSR-110	RSR-1210	RSR-9110	RSR-45110
12/2	.575	3/4"	RSR-2110	RSR-210	RSR-9210	RSR-45210
12/2	.575	1"	RSR-310	—	RSR-9310	RSR-45310
12/3	.600	1/2"	RSR-110	RSR-1210	RSR-9110	RSR-45110

FLEXIBLEELECTRICALCORDORCABLETOCORDGRIPSELECTIONTABLE

Cord Type S-STO-SO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
12/3	.600	3/4"	RSR-2110	RSR-210	RSR-9210	RSR-45210
12/3	.600	1"	RSR-310	RSR-310	RSR-9310	RSR-45310
12/4	.650	1/2"	RSR-1211	—	—	—
12/4	.650	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
12/4	.650	1"	RSR-311	—	RSR-9311	RSR-45311
10/2	.625	1/2"	RSR-1211	—	—	—
10/2	.625	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
10/2	.625	1"	RSR-311	—	RSR-9311	RSR-45311
10/3	.660	1/2"	RSR-1211	—	—	—
10/3	.660	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
10/3	.660	1"	RSR-311	—	RSR-9311	RSR-45311
10/4	.710	1/2"	RSR-1212	—	—	—
10/4	.710	3/4"	RSR-212	RSR-2312	RSR-9212	RSR-45212
10/4	.710	1"	RSR-312	—	RSR-9312	RSR-45312
8/2	.675	1/2"	RSR-1211	—	—	—
8/2	.675	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
8/2	.675	1"	RSR-311	—	RSR-9311	RSR-45311
8/3	.725	1/2"	RSR-1212	—	—	—
8/3	.725	3/4"	RSR-212	RSR-2312	RSR-9212	RSR-45212
8/3	.725	1"	RSR-312	—	RSR-9312	RSR-45312
8/4	.780	1/2"	RSR-1213	—	—	—
8/4	.780	3/4"	RSR-213	RSR-2313	RSR-9213	RSR-45213
8/4	.780	1"	RSR-313	RSR-3514	RSR-9313	RSR-45313
8/4	.780	11/4"	RSR-414	—	RSR-9414	RSR-45414
8/4	.780	11/2"	RSR-514	—	RSR-9514	RSR-45514
6/2	.795	1"	RSR-313	RSR-3514	RSR-9313	RSR-45313
6/2	.795	11/4"	RSR-414	—	RSR-9414	RSR-45414
6/2	.795	11/2"	RSR-514	—	RSR-9514	RSR-45514
6/3	.865	1"	RSR-314	RSR-3514	RSR-9314	RSR-45314
6/3	.865	11/4"	RSR-414	—	RSR-9414	RSR-45414
6/3	.865	11/2"	RSR-514	—	RSR-9514	RSR-45514
6/4	.900	1"	RSR-315	RSR-3516	RSR-9315	RSR-45315
6/4	.900	11/4"	RSR-416	—	RSR-9416	RSR-45416
6/4	.900	11/2"	RSR-516	—	RSR-9516	RSR-45516
4/3	.975	1"	RSR-3516	—	—	—
4/3	.975	11/4"	RSR-416	—	RSR-9416	RSR-45416
4/3	.975	11/2"	RSR-516	—	RSR-9516	RSR-45516
4/4	1.100	1"	RSR-3518	—	—	—
4/4	1.100	11/4"	RSR-418	—	RSR-9418	RSR-45418
4/4	1.100	11/2"	RSR-518	—	RSR-9518	RSR-45518
2/3	1.170	1"	RSR-3520	—	—	—
2/3	1.170	11/4"	RSR-420	—	RSR-9420	RSR-45420
2/3	1.170	11/2"	RSR-520	—	RSR-9520	RSR-45520
2/4	1.290	1"	RSR-3522	—	—	—
2/4	1.290	11/4"	RSR-422	—	RSR-9422	RSR-45422
2/4	1.290	11/2"	RSR-522	—	RSR-9522	RSR-45522

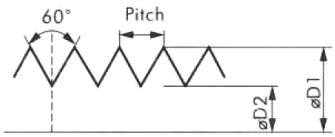
NOTE: If a Mesh Grip is required, add letter 'E' to end of Remke part number. This chart is based on the cable diameters shown. The actual diameter of the cable being used may require the next larger or smaller cord grip bushing.

Cable diameters vary between manufacturers and because cable manufacturers must allow tolerance, their published data should be checked.

The bushing I.D. should be larger than, but as close as possible to, the cable O.D.

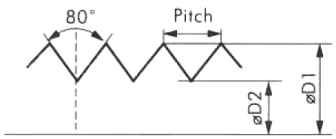
TECHNICAL INFORMATION

Metric ISO Thread Specifications



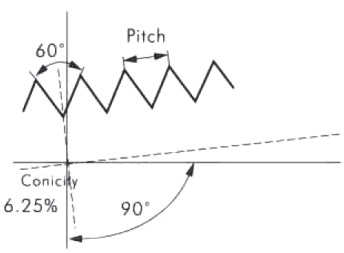
Size	Pitch mm	Outside-Ø DI		Inside-Ø D2		Thru-hole	
		mm	inch	mm	inch	mm	inch
M 12 x 1,5	1,5	12	.472	10,13	.399	12,2	.480
M 16 x 1,5	1,5	16	.630	14,13	.556	16,2	.638
M 20 x 1,5	1,5	20	.787	18,13	.714	20,2	.795
M 25 x 1,5	1,5	25	.984	23,13	.911	25,2	.992
M 32 x 1,5	1,5	32	1.260	30,13	1.186	32,2	1.268
M 40 x 1,5	1,5	40	1.575	38,13	1.501	40,2	1.583
M 50 x 1,5	1,5	50	1.969	48,13	1.895	50,2	1.976
M 63 x 1,5	1,5	63	2.480	61,13	2.407	63,2	2.488

PG Thread Specifications



Size	Pitch		Outside-Ø DI		Inside-Ø D2		Thru-hole	
	mm	inch	mm	inch	mm	inch	mm	inch
PG 7	1,270	.050	12,5	.492	11,28	.444	12,7	.500
PG 9	1,410	.056	15,2	.598	13,86	.546	15,4	.606
PG 11	1,410	.056	18,6	.732	17,26	.680	18,8	.740
PG 13,5	1,410	.056	20,4	.803	19,06	.750	20,7	.815
PG 16	1,410	.056	22,5	.886	21,16	.833	22,8	.898
PG 21	1,588	.062	28,3	1.114	26,78	1.054	28,6	1.126
PG 29	1,588	.062	37,0	1.457	35,48	1.400	37,4	1.472
PG 36	1,588	.062	47,0	1.850	45,48	1.791	47,5	1.870
PG 42	1,588	.062	54,0	2.126	52,48	2.066	54,5	2.146
PG 48	1,588	.062	59,3	2.334	57,78	2.275	59,8	2.354

NPT Thread Specifications



Size	Pitch Inch	Outside-Ø Inch	Number of pitches n
1/4" NPT	0.056	0.54	18
3/8" NPT	0.056	0.675	18
1/2" NPT	0.071	0.84	14
3/4" NPT	0.071	1.05	14
1" NPT	0.087	1.315	11 1/2
1 1/4" NPT	0.087	1.66	11 1/2
1 1/2" NPT	0.087	1.9	11 1/2
2" NPT	0.087	2.375	11 1/2
2 1/2" NPT	0.125	2.875	8
3" NPT	0.125	3.5	8
3 1/2" NPT	0.125	4	8

CHART I International Protection (IP) Ratings to IEC 529

Protection Modes to EN 60529 DIN VDE 0470 Part 1			Second Digit – Degree of Water Protection								
First Digit	Person touching	Protection against penetration of foreign bodies	IP 0X No Protection	IP X1 Protection against dripping water falling vertically	IP X2 Protection against dripping water even when tilted 15° vertically	IP X3 Protection against dripping water even when tilted 60°	IP X4 Protection against splashing water from any direction	IP X5 Protection against water jets from any direction	IP X6 Protection against heavy seas from any direction	IP X7 Protection against effects of immersion	IP X8 Protection against submersion
IP X0	No protection	No protection	IP 00								
IP 1X	Protection against touching with the hand	Protection against large solid bodies >50 mm Ø	IP 10	IP 11 IP	IP 12						
IP 2X	Protection against touching with the finger	Protection against med., solid bodies >12.5 mm Ø	IP 20	IP 21	IP 22	IP 23					
IP 3X	Protection against touching with tools, wires, etc., >2.5 mm Ø	Protection against small, solid bodies >2.5 mm Ø	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4X	Protection against touching with tools, wires, etc., >1 mm Ø	Protection against small, solid bodies >1 mm Ø	IP 40	IP41	IP 42	IP 43	IP 44				
IP 5X	Protection against touching with tools, wires, etc., >1mm Ø	Protection against internal dust accumulation	IP 50				IP 54	IP 55			
IP 6X	Protection against touching with tools, wires, etc., >1mm Ø	Protection against all dust accumulation	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit is added. It gives information about the mechanical properties of the equipment.
This designation has not yet been standardized according to current DIN and IEC regulations.
Devices in this catalogue correspond to digit IP .7.

CHART II NEMA / IP Cross Reference

The chart below provides a cross-reference from NEMA to International Protection (IP) Ratings. This cross-reference is an approximation based on the most current information available. It is not sanctioned by NEMA, IEC, or any other regulatory body. This chart should be used only as a guideline.

IEC 529 Protection Ratings	NEMA Ratings									
	1	2	3	3R	4	4X	5	6	12	13
IP 00	↓									
IP 10	↓	↓								
IP 11	↓	↓								
IP 20	↓	↓								
IP 21	↓	↓								
IP 22	↓	↓								
IP 23	↓	↓								
IP 30	↓	↓	↓							
IP 31	↓	↓	↓							
IP 32	↓	↓	↓	↓						
IP 33	↓	↓	↓	↓						
IP 40	↓	↓	↓	↓	↓	↓				
IP 41	↓	↓	↓	↓	↓	↓				
IP 42	↓	↓	↓	↓	↓	↓				
IP 43	↓	↓	↓	↓	↓	↓				
IP 50	↓	↓	↓	↓	↓	↓	↓			
IP 51	↓	↓	↓	↓	↓	↓	↓			
IP 52	↓	↓	↓	↓	↓	↓	↓			
IP 53	↓	↓	↓	↓	↓	↓	↓			
IP 54	↓	↓	↓	↓	↓	↓	↓			↓
IP 55	↓	↓	↓	↓	↓	↓	↓			↓
IP 56	↓	↓	↓	↓	↓	↓	↓			↓
IP 60	↓	↓	↓	↓	↓	↓	↓	↓		↓
IP 61	↓	↓	↓	↓	↓	↓	↓	↓		↓
IP 62	↓	↓	↓	↓	↓	↓	↓	↓		↓
IP 63	↓	↓	↓	↓	↓	↓	↓	↓		↓
IP 64	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
IP 65	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
IP 66	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
IP 67	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
IP 68	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

WIREMESHCABLEGRIPSWORKINGLOADAND SAFETY FACTOR CONSIDERATIONS

The grips in the catalog have listed Approximate Breaking Strength. The approximate breaking strength of a Remke grip represents an average calculation based on test factors which have been determined from data established from actual testing performed in our engineering laboratories. The actual testing is performed with new grips on metal rods, subject to straight longitudinal tensile loads applied at a uniform rate. Normal manufacturing and test factors can produce a variation of + or - 20% in the approximate breaking strength values listed.

The broad application of Remke Grips on a wide variety of objects requires that adequate safety factors be used to establish a safe working load. The ratio of the listed approximate breaking strength to the normal working load is the safety factor. As an example, a safety factor of ten (10) would then mean the working load is established by dividing the catalog listed approximate breaking strength by ten (10), or it can be stated that the working load is 1/10 of the catalog listed approximate breaking strength.

It is impossible to set a safety factor suitable for all cases as operating conditions are never the same. The load, the speed, the acceleration, the diameter, number of objects gripped, surface of object being gripped, and the attachments used— all of these should be considered, together with the effects of abrasions, corrosion, prior use, or abuse, etc. The user- engineer must consider all the variables of his specific application, as well as possible accident consequences, before selecting the safety factor to be applied. Where the conditions of the application are not well defined or where risk of personnel or property damage is high, a greater safety factor should be utilized.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published approximate breaking strengths apply only to new, unused grips and that such products are properly stored, handled, used, maintained, and properly inspected from time to time during the period of use.

The factory should be consulted for specific application recommendations where approximate breaking strength and holding are considered critical.

SUPPORTANDPULLINGGRIPSATTACHMENTS

DOUBLE EYE SUPPORT GRIP

Use when cable is vertical and extends past the grip without bending. May be fastened to open hooks within 15° from vertical axis. Double eye allows fully balanced load as long as eyes are equally supported.

SINGLE EYE SUPPORT GRIP

Use when cable is vertical, when the cable bends, or where a single attachment eases application.

OFFSET EYE SUPPORT GRIP

Use when offset positioning is necessary.

UNIVERSAL BALE SUPPORT GRIP

Use on continuous structural objects such as pipes or beams. The adjustable bale wraps around the object and self-locks into the bar.

APPLICATION GUIDE FOR WIRE MESH PRODUCTS

SUPPORT GRIPS

General Purpose Standard Supports Grips are used indoors or outdoors to support the weight of cable, metal rods, hose, or tubing in vertical or sloping applications. Specific applications include buildings, poles, excavatings, mine shafts, towers, elevators, potheads, terminators or other structures. They assist in absorbing strain and flexure, and resist pullout, flexure, and vibration. They will support cable, rods and tubing with loads up to 600 lbs. for runs up to 100 feet. All support grips will hold more than one cable.

MATERIALS

Support grip mesh is made of high grade wire formed into a flexible strand. Standard construction is single weave, double weave is available as custom item. The standard material is tin coated bronze which is non magnetic. Stainless Steel 302 or 304 may be used where high tensile strength of the grip is required or for severe atmospheric conditions. Both of these materials generate only minor heat when exposed to the magnetic field produced by high amperage AC cables. This prevents possible damage to the cable insulation or injury to the user.

FEATURES/BENEFITS

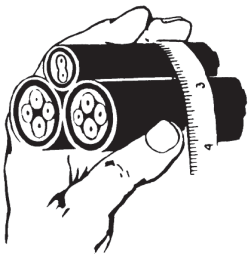
- Security-grip supports cable and removes strain from individual conductors
- Makes connection safe by preventing strain on terminals, eliminating electrical accidents and power failures.
- Eliminates costly downtime and maintenance.
- Easily installed and removed, not requiring any special skill or tool.
- Permits cable to “breathe" (expand or contract) without loss of holding action.
- Instantly relocated or repositioned which saves time and labor.
- Conforms to shape of cable.

WORKING LOAD/SAFETY FACTOR

The approximate breathing strength of a Remke grip represents an average calculation based on test factors which have been determined in our engineering labs using NEW grips and metal rods. The broad application of Remke grips request adequate safety factors to be used to establish a SAFE working load. As a rule of thumb the working load may be considered 1/10 of the approximate breaking strength listed in the catalog. Refer to specific catalog pages for more information.

GRIP SIZE—MULTIPLE CABLES

To determine grip size when more than one cable is held in a single grip, measure envelope of cables to be held using a diameter-circumference tape. For oval configuration (or where envelope of cables cannot be measured) please contact factory.



CLOSED MESH

Used where end of cable is available. Grips may be slid along considerable length of cable faster—easier than using split groups.

CLOSED MESH–DOUBLE EYE–SINGLE WEAVE

Use when cable is vertical and extends past the grip without bending. May be fastened to open hooks within 15° from vertical axis. Allows fully balanced load as long as eyes are equally supported.

CLOSED MESH–SINGLE EYE–SINGLE WEAVE

Use when cable is vertical, when the cable bends, or where a single attachment eases application.

DOUBLE EYE GRIPS

- Breaking strength listed is for straight uniform load with balanced eye loading. If this condition is not true, rating reduction by at least 50% may be required.
- Maximum angle of eye (from longitudinal centerline of grip) is 15°, actual dimension from cable varies with bail length.
- Do not increase diameter of formed eye.
- Decreasing radius of formed eye is usually not harmful.

SINGLE EYE GRIPS

- Single eye is strongest attachment.
- Use when cable bends or where single attachment is desired.
- No unequal loading probe as with double eye type.

BUS DROP GRIPS

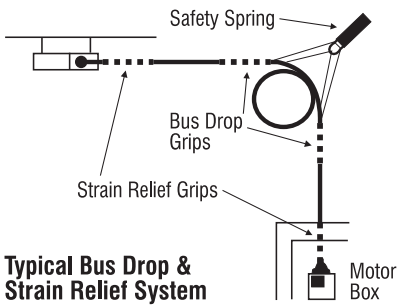
Bus Drop Grips are for indoor use only.

- Support flexible cord or cable when supplying power from an overhead source.
- Designed to support weight of cable, relieve tension and absorb vibration, or flexure.
- Supports the load without damage to the cable.
- Prevent pullouts which can cause accidents, downtime, and loss of production.
- Easy installation.

Bus Drop Grips with Safety Springs can be used to absorb sudden strains caused by accidental hitting, pulling or bending of the cable. They are used primarily where flexible cable connects electrical equipment to bus duct. They are also used to support or restrain air hose and water hose.

Double Bus Drop Grips store excess cable neatly.

Bus Drop Grips with Safety Springs and Strain Relief Grips can provide a complete flexible cord system which adapts to any layout. The Strain Relief Grips relieve the strain on the terminals. The Bus Drop Grips provide positive permanent support which, unlike rigid conduit systems, can be adjusted instantly if equipment is repositioned. Almost any system can be installed quickly even in cases where equipment and bus duct are distantly located or awkwardly positioned.



Typical Bus Drop & Strain Relief System

MATERIAL

The standard mesh material is galvanized steel which has high tensile strength and corrosion resistance (more than adequate for most indoor applications).

Optional stainless steel grips are available.

All Bus Drop Grips are “Wide Range" (to accept more cable per size) with strand equalizers which uniformly distribute compressive force over a large area of the cable for maximum gripping strength with minimum concentration of force without pinching the cable.

BUS DROP GRIPS

FEATURES/BENEFITS

- Few Grips are needed to fit many cable sizes.
- Readily installed, adjusted, repositioned, removed or re-used which saves time and money when relocating plant wiring or machines.
- Easily attached to both open and closed end structures.
- Automatically adjust their gripping to hold the required load.
- No special installer skill or special tools required.
- Increases safety to personnel working in the application area.

WORKING LOAD/SAFETY FACTOR

The approximate breaking strength of the Remke grip represents an average calculation based on test factors which have been determined in our engineering labs using NEW grips and metal rods. As a rule of thumb the working load may be considered 1/10 of the approximate breaking strength listed in the catalog.

CAUTION: The broad application of Remke grips requires adequate safety factors be used to establish a SAFE working load. Refer to specific catalog pages for more information.

Single Eye Grips employ a single eye for each attachment to open hooks or other open end structural members. The formed eye tube assures long, trouble-free resistance to wear. Can be used with SAFETY SPRINGS.

Universal Bale Grips employ a flexible “universal" bail eye for each attachment around closed-end structures such as pipe, columns or through closed eyes. The universal bail is a secure, self-locking attachment and is reusable. Removal is simple and quick. Can be used with SAFETY SPRINGS.

Safety Springs can be used with either SINGLE EYE or UNIVERSAL BALE GRIPS to relieve sudden tensions exerted on cable system. When used with single eye grip, disassemble drawbar from coil, placing drawbar through eye of grip, then replace drawbar.

LIQUA-SEAL® (MESH) CONNECTORS

Liqua-Seal (Mesh) Connectors prevent pullout and provide strain relief when connecting liquid-tight flexible metal conduit to electrical enclosures.

MATERIAL

The standard mesh design is single weave, corrosion free stainless steel. These mesh grips are available with fittings made of steel (3/8"–1" straight connectors) or ductile iron (1- 1/4"–2" straight connectors and all 45° and 90° connectors), with or without insulated throat.

FEATURES/BENEFITS

- The mesh exerts a uniformly distributed compressive force over a large area of the conduit for maximum gripping without pinching the conduit.
- An endless weave conforms to the conduit, eliminating wedging or crushing of the conduit at that point.
- Mesh material has high tensile strength and corrosion resistance.
- Readily installed, adjusted, repositioned, removed or reused.
- Automatically adjust their gripping to hold the required load.
- No special installer skills or special tools required.

WORKING LOAD/SAFETY FACTOR

(See Wide Range Strain Relief Grips)

STANDARD STRAIN RELIEF CONNECTOR GRIPS

Standard Strain Relief Connector Grips are used in conduit hubs or knock-outs at the point where the portable electrical cable is to be terminated. They provide an environmental seal against dirt, moisture, coolants, corrosive fumes, etc. and provide strain relief where undue strain on the cable would otherwise cause loosening or pull-out at the individual wire terminals. Primary applications are in the wiring of portable power tools, power centers and bus drop cable systems.

MATERIAL

The Standard mesh design is multi-weave corrosion free stainless steel. These mesh grips are available with fittings made of aluminum in straight, 45° or 90° body design; also with fittings made of steel, stainless steel or nylon in straight body design. All these fittings come with neoprene bushings.

FEATURES/BENEFITS

- The mesh exerts a uniformly distributed compressive force over a large area of the cable for maximum gripping without pinching the cable.
- An endless weave conforms to the cable jacket, eliminating wedging or crushing of the cable at that point.
- Mesh material has high tensile strength and corrosion resistance.
- Readily installed, adjusted, repositioned, removed or reused.
- Automatically adjust their gripping to hold the required load.
- No special installer skills or special tools required.

WORKING LOAD/SAFETY FACTOR

(see Wide Range Strain Relief Grips)

WIDE RANGE STRAIN RELIEF GRIPS

Wide Range Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures and equipment. Designed primarily to prevent pull tension on cable to be transmitted to the joints or terminals. The National Electrical Code requires terminal tension protection. Easily installed. Primary applications are indoors in the wiring of electrical enclosures, such as power boxes, cabinets, panel boards, machine tools, portable power tools, power centers and bus drop cable systems.

They can be used with Bus Drop Grips and Safety Springs to provide a complete flexible cord system that adapts to any layout.

MATERIAL

The standard mesh design is wide range mesh single weave, made of galvanized steel. Gasket seals are made of P.V.C. Available with insulated or non-insulated fittings made of aluminum.

FEATURES/BENEFITS

- The mesh exerts a uniformly distributed compressive force over a large area of the cable for maximum gripping without pinching the cable.
- An endless weave conforms to the cable jacket, eliminating wedging or crushing of the cable at that point.
- Mesh material has high tensile strength and corrosion resistance (more than adequate for most indoor applications).
- P.V.C. gasket seals out large dust particles, lint or metal filings and other contaminants from the electrical connections.
- SR series has a male N.P.T. tapered thread and locknut for the 1/2"–2-1/2" thread size. This allows easy attachment to enclosures up to 3/8" thick. An insulated bushing is provided to prevent metal to conductor contact.
- Adjusts to wide range of cable or cord diameters, so fewer grips are needed to fit many cable sizes.
- Readily installed, adjusted, repositioned, removed or reused.
- Makes relocating plant wiring and machines easy.
- Automatically adjust their gripping to hold the required load.
- No special installer skills or special tools required.

WORKING LOAD/SAFETY FACTOR

The approximate breaking strength of a Remke grip (as shown in the catalog) represents an average calculation based on test factors which have been determined in our engineering labs using NEW grips and metal rods. As a rule of thumb the working load may be considered 1/10 of the approximate breaking strength listed in the catalog. CAUTION: The broad application of Remke grips requires adequate safety factors be used to establish a SAFE working load.
Refer to specific catalog pages for more information.

FACTORY ASSISTANCE

When factory assistance is required for specific applications, etc., please be prepared to provide all pertinent information:

1. Object to be gripped
2. Material of object to be gripped
3. Environment (temperature, abrasion corrosion)
4. Diameter range
5. Eye length
6. Mesh length
7. Mesh material
8. Length of support
9. Other special conditions