



Remke Electrical Cable Connectors & Cord Grips

Industrial-Strength Cable Connectors and Cord Grips for Heavy-Duty Applications in Any Environment

Largest & Most Diverse...

With one of the largest and most diverse lines of cable connectors and cord grips, Remke Industries has been focused on manufacturing top-quality electrical connectors, all made in the USA for over 50 years. No matter your requirements, environment or application, we have you covered with a vast inventory of connectors ready to ship to OEMs, contractors and distributors all over the country. And if your specifications call for custom engineered connectors, we can manufacture them for you! Small and large run, custom engineered solutions are the answer to demanding electrical connection applications. Remke delivers industrial-strength electrical connectors with personalized service, order flexibility and custom solutions.

Environmental Protection From Harsh Environments

Remke's line of industrial-strength cord grips and cable connectors deliver the best materials and construction to protect important electrical connections from destructive elements. Gain long-term reliability and stability with the right connectors from Remke.

The Remke family of Cord Grips, Cable Connectors & Wire Mesh Grips

Do you know that Remke offers more types of cord grips than the 'big name' electrical manufacturers? It's true. Our family of standard Tuff-Seal™ products comes in more sizes & variations than those other guys including:

- Strain Relief Cable Connectors
- Nickel-Plated Aluminum Cord Grips
- Valox® Cord Grips
- Nylon Cord Grips
- Stainless Steel Cord Grips
- Dome Cap Cable Glands
- PowR-Teck™ Metal Clad Cable Connectors
- Multiple Hole Bushings/Cord Grips
- Waterproof Cable Connectors
- Corrosion Resistant Cord Grips
- Festoon/Flat Cable Connectors
- Lighting Connectors
- Wire Mesh Grips including standard support grips, lace closing support grips, rod closing support grips, I grips, wide range strain relief grips, bus drop grips, junior & light duty pulling grips.



REMKE | **ENGINEERED SOLUTIONS**

Meeting the Needs of A Single Customer

With our expansive component inventory Remke can create more configurations & combinations than anybody else. Engineered solutions are available to all customers with no additional fees! When the product you need doesn't exist in the standard line talk to us **The Remke Engineered Solutions team.**



Why Choose Remke?

When you choose Remke you say goodbye to logistical nightmares like delivery times and product quality from offshore producers. Made-in-the-USA means we're literally/physically closer to you so that cable connectors & cord grips can be delivered when you need them.

Markets Served...

Tuff-Seal™ Cable Connectors & Cord Grips from Remke Industries are used in a wide variety of industrial & commercial markets.

To assist you in determining which products are best suited for your application, we have subdivided this matrix into products for General Industry (such as automation and OEM's) and products for Corrosion Resistant markets such as food processing & petrochemical.

GENERAL INDUSTRY

Remke Product	Construction	Automation	Material Handling	Orig. Equipment Manufacturer	Main. Repair Operations	Utility	Transportation	Lighting	Renewable Energy
Tuff-Seal Cord Connectors and Wire Mesh Grips									
Aluminum Cord Grips	■	■	■	■	■	■	■	■	■
Nickel-Plated Aluminum Cord Grips		■	■	■		■	■		
Valox Cord Grips		■		■	■				
Nylon Cord Grips		■	■	■	■			■	■
Steel Cord Grips		■	■	■	■		■	■	■
Stainless Steel Cord Grips	■	■	■	■	■	■	■	■	
Dome Cap Cable Glands		■	■	■	■	■	■	■	■
Metal Clad Cable Connectors	■	■		■	■	■			
Festoon Cable Connectors	■	■	■	■	■				
Liqua-Seal Connectors	■	■	■	■	■	■	■		
Stainless Steel Liquidtight Connectors	■	■	■	■	■	■	■	■	■
Wire Mesh Grips	■	■	■	■	■	■	■		■

CORROSION RESISTANT

Remke Product	Food Processing	Wastewater Treatment	Petro Chemical	Marine / Shipboard	Pulp & Paper
Tuff-Seal Cord Connectors and Wire Mesh Grips					
Aluminum Cord Grips					■
Nickel-Plated Aluminum Cord Grips	■	■	■	■	■
Valox Cord Grips	■	■	■	■	■
Nylon Cord Grips		■		■	■
Steel Cord Grips			■		■
Stainless Steel Cord Grips	■	■	■	■	■
Dome Cap Cable Glands	■	■	■	■	■
Metal Clad Cable Connectors		■			■
Festoon Cable Connectors				■	
Liqua-Seal Connectors			■		■
Stainless Steel Liquidtight Connectors	■	■	■	■	■
Wire Mesh Grips		■	■		■



Tuff-Seal™ Cord Connectors, Cable Glands and Wire Mesh Grips



RSR ALUMINUM CORD GRIPS

Tuff-Seal™ RSR Aluminum Cord Grips are UL Listed and CSA Certified for use in both indoor and outdoor applications to prevent cable pullout, to control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture and coolants. Cord Grips are available in conduit sizes from 1/4" to 3" in straight, 90° and 45° styles with optional stainless steel wire mesh.

Features of the RSR Aluminum Cord Grips include:

- Available in NPT, Pg/Metric or ISO threads
- A unique design with a combination tightening surface that includes both a hex area and knurled surface providing extra gripping for initial hand tightening
- Optional embedded Viton® O-Ring ensures a watertight & corrosion-resistant seal
- Anti-friction washer that fits between the nut and bushing for easier compression

For applications with severe conditions – such as oil & gas, marine, food and chemical processing – RSR Cord Grips are available in nickel-plated aluminum which provides exceptional corrosion resistance and high wear resistance with an attractive finish similar to polished stainless steel.

Engineered Solutions for the family of RSR Aluminum Cord Grips can include high temperature bushings as well as unique thread styles & lengths.



**MADE IN
USA**



WIRE MESH GRIPS

Tuff-Seal Wire Mesh Cable Grips distribute stress over a large area to prevent damage to wire, cable and flexible conduit. They are built to perform their task over an extended period of time without loosening their hold. All Remke Wire Mesh Grips are available in a wide selection of cable ranges and eye styles and can be used in conjunction with any RSR cord connector.

The Remke line of Wire Mesh Cable grips includes:

- *Standard Support Grips* – used both indoors & outdoors to hold the weight of a cable that is vertical or sloping.
- *Lace Closing Support Grips* – suitable for permanent support applications and designed for all phases of suspension or pulling.
- *Rod Closing Support Grips* – the fastest & easiest to install split-closure types but may be difficult to install at high angles of weave.
- *Wide Range Strain Relief Grips* – used to connect cord or cable to electrical enclosures & equipment featuring aluminum fittings and a gasket that provide a seal against dust, filings and other foreign material.
- *I-Grips* – designed for indoor use to secure plug bodies, provide strain relief and control arc of bend.
- *Bus Drop Grips* – absorb vibration and support flexible cord or cable when power is supplied from an overhead source.
- *Junior Pulling Grips* – reusable tools with a flexible eye that are well-suited for small job requirements where pulling tension is low.
- *Light-Duty Pulling Grips* – feature a flexible eye for easy attachment to a pulling line and are used in general underground electrical construction with low pulling tensions.

Engineered Solutions for any Remke Wire Mesh Grip can include options such as special lengths or stainless steel mesh.



CORROSION RESISTANT CORD CONNECTORS

Tuff-Seal Corrosion Resistant Cord Connectors are designed to withstand the extremes of water, caustic materials, detergents or surfactants. Available in either metallic or non-metallic materials in a wide range of conduit sizes (including up to 4" in stainless steel), all our corrosion-resistant connectors either meet or exceed IP 67 or IP 68 standards, and can be ordered with a variety of thread styles such as Pg or ISO Metric.

Metallic Corrosion Resistant Connectors include those made from:

- Steel which is zinc-chromium plated for added strength and durability, enhanced rust resistance and a better physical appearance that is ideally suited for use in washdowns or high moisture environments
- Type 304 Stainless Steel with exceptional tensile strength and the highest levels of durability in severely corrosive applications filled with saltwater, acids or chemicals such as washdowns or high moisture environments. (Type 316 also available.)
- Nickel-plated aluminum that offers the appearance of polished stainless steel with protection against corrosion, friction and contamination under severe conditions.

Non-Metallic Corrosion Resistant Connectors are made from either:

- Nylon which offers excellent corrosion resistance, is lightweight, durable and ideal for use in damp environments with moisture or washdowns.
- Valox® for superior corrosion resistance and suitable for use in FDA-mandated washdowns or applications with moisture.

Engineered Solutions for Metallic Corrosion Resistant Connectors include custom lengths and thread type and custom colors or optional wire mesh for Non-Metallic Corrosion Resistant Connectors.

(Valox is a registered trademark of GE Plastics.)



POWR-TECK™ MC CABLE CONNECTORS

Remke PowR-Teck™ MC Cable Connectors feature an exclusive one-piece design that nobody else provides. The other guys 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 our 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.

Rated NEMA 4 and IP 65, PowR-Teck connectors are in-stock in ½" to 4" hub sizes in aluminum, nickel-plated aluminum and stainless steel.

Other features include:

- Unique PowR-Lock Grounding Seal for superior conductivity
- Neoprene bushing provides superior pull-out & sealing protection
- Embedded Viton® O-Ring

XTK CONNECTORS FOR HAZARDOUS LOCATIONS

Remke PowR-Teck XTK Connectors offer certified protection for hazardous locations. If the air is filled with ignitable dust, vapors or gases selecting the correct fitting is critically important.

Available in hub sizes from 1/2" to 2", Remke XTK Connectors provide the means for passing jacketed metal clad cable through an enclosure or bulkhead in hazardous areas. These connectors keep out the elements while maintaining the equipment's hazardous location approvals.

Providing NEMA 4 protection, XTK Connectors are UL & CSA approved for these environments:

- UL Class 1 Div. 1, Groups A, B, C, D;
- UL Class II Div. 2, Groups F & G
- UL Class III
- CSA Class 1 Div. 1 & 2, Groups A, B, C, D;
- CSA Class 1 Div. 1 & 2, Groups E, F, G;
- IEC Zones 1 and 2, Group 2



DOME CAP CABLE GLANDS

Remke Dome Cap Cable Glands provide easy handling, quick installation, impact and abrasion resistance even at very low temperatures. These cable glands are designed to withstand the rigors of continuous flexing & bending with ease and can be used with a wide range of cables for strain relief both indoors & outdoors.

Dome Cap Cable Glands are rated IP 68 making them suitable for use underwater to 300 feet - ideal for submersible applications as well as pumps, fountains and marine use. Exceeding NEMA 6 specifications.

The expanded family of Dome Cap Cable Glands includes:

- Standard Nylon Connectors available in a wide range of sizes with either NPT or Pg threads.
- Newly designed GEN 4 EMC cable glands provide easy insertion of cable from either side without damaging cable shield. Features 6 internal 'fingers' (or tines) with larger contact surfaces that allows low contact resistance on woven cable braids and foil shields.
- Spiral-Flex Extended Connector offers greater support and arc of bend preventing sharp bends or kinks in cable, and for additional damage protection from moving machinery or machine parts.
- Nickel-Plated Brass Connectors in a variety of thread styles including NPT, ISO/Metric and Pg that are ideal for use in a wide variety of applications including corrosive and industrial environments.
- 90 Degree Snap Elbow non-metallic cable gland with NPT threads.
- Ventilation Plugs reduce the adverse affects of humidity in the environment by preventing pressure increase inside the enclosure & limiting temperature increase through air circulation. Vent plugs are permeable to gases and vapors but impermeable to liquids and dust.
- Accessories including O-Rings, Locknuts and Blind Stop Plugs.

Dome Cap Cable Glands are easy to install in either clearance or threaded holes. You simply insert the cord and tighten the "dome-nut" to create a tight seal and relieve any strain on the cable. And no disassembly is required.



MULTIPLE HOLE BUSHINGS

Multiple Bushings are used when multiple conductors need to be terminated into one fitting. They are available in a slit-style or any standard form size and with an infinite number of hole combinations. Standard bushings are made from Neoprene, but optional materials include silicone for high temperature applications and Viton® for enhanced corrosion resistance.

FESTOON CABLE CONNECTORS

Tuff-Seal™ Festoon Cable Connectors are specially designed and molded for heavy-duty, flat cable or festoon system applications. Festoon Cable Connectors replace the traditional two-screw connector at the critical point of termination between the plant environment and the internal wiring of the festoon system. This unique design gives the user the ability to place multiple cables through one connector saving both time & money by eliminating the need for multiple terminations and therefore multiple connectors.



OTHER TUFF-SEAL PRODUCTS

The Tuff-Seal line also includes several other products including:

- Watertight Conduit Hubs are zinc die cast in sizes from ½" to 4" with an embedded O-Ring and unique angled serrations that provide a reliable watertight seal.
- Threaded Adapters easily convert or mate one thread style with another including both internal and external threads that mate NPT with ISO/Metric and NPT with Pg fittings.
- Liquidtight Connectors – Type 304 stainless steel body & ferrule, rated IP 68 & NEMA 4X, available in a variety of conduit sizes for use in wet or dry locations to seal electrical connections and prevent corrosion under the most adverse of conditions.



REMKE | ENGINEERED SOLUTIONS

Tuff-Seal Engineered Solutions Are Second To None

In the Tuff-Seal™ family of Cord Connectors and Wire Mesh Grips, customization means you can mix and match from our extensive selection of special materials, wire mesh, components, threading, custom packaging, kitting and private labeling to develop the wire management Cord Connectors and Wire Mesh Grips that meets your specific needs.

Special Materials

- Aluminum: excellent durability and performance for most industrial applications
- Nylon: lightweight and corrosion resistant
- Steel: preferred in rugged industrial environments
- Valox®: suitable for FDA-mandated washdown locations
- Stainless Steel: the highest levels of durability in severely corrosive environments
- Nickel-Plated Aluminum: protection against corrosion, friction & contamination with the appearance of polished stainless steel
- Anodized Aluminum: provides a naturally protective finish that is stronger and more durable as a result of the anodizing process

Special Wire Mesh

- A variety of materials including non-magnetic tin coated bronze, stainless steel, galvanized steel, plastic-coated galvanized steel strands, non-metallic strands, and other custom configurations

Special Components/Options

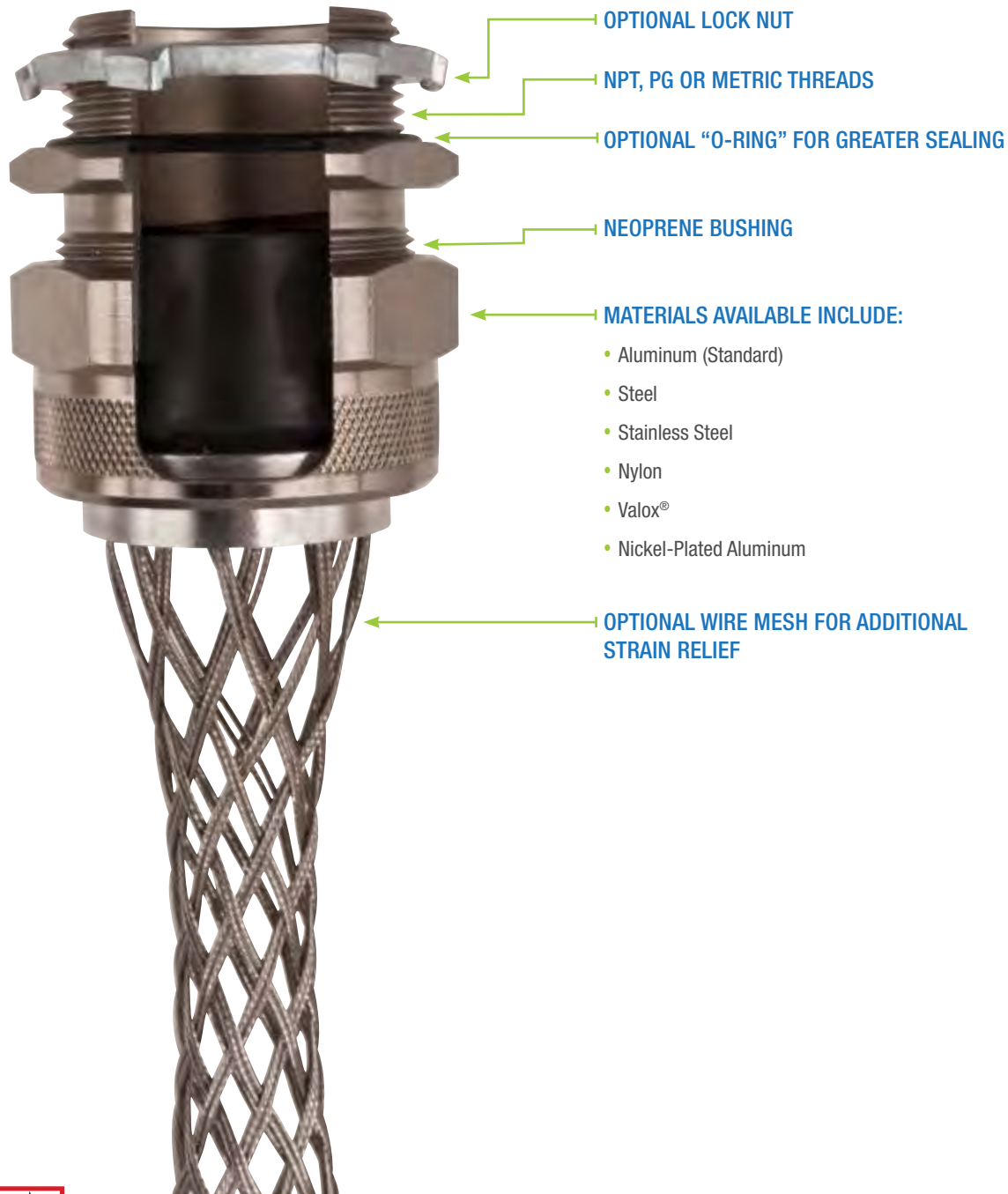
- Multiple hole bushings in a variety of hole combinations including flat cable
- Slit bushings
- Various bushing materials including neoprene, silicone, Viton® and Buna-N
- Locknuts
- Embedded O-Rings
- Application-specific requests

Special Threading

- NPT
- Pg
- ISO (Metric)
- NPS
- Application-specific requests

Custom Packaging, Kitting and Private Labeling

INGREDIENTS OF A CORD GRIP

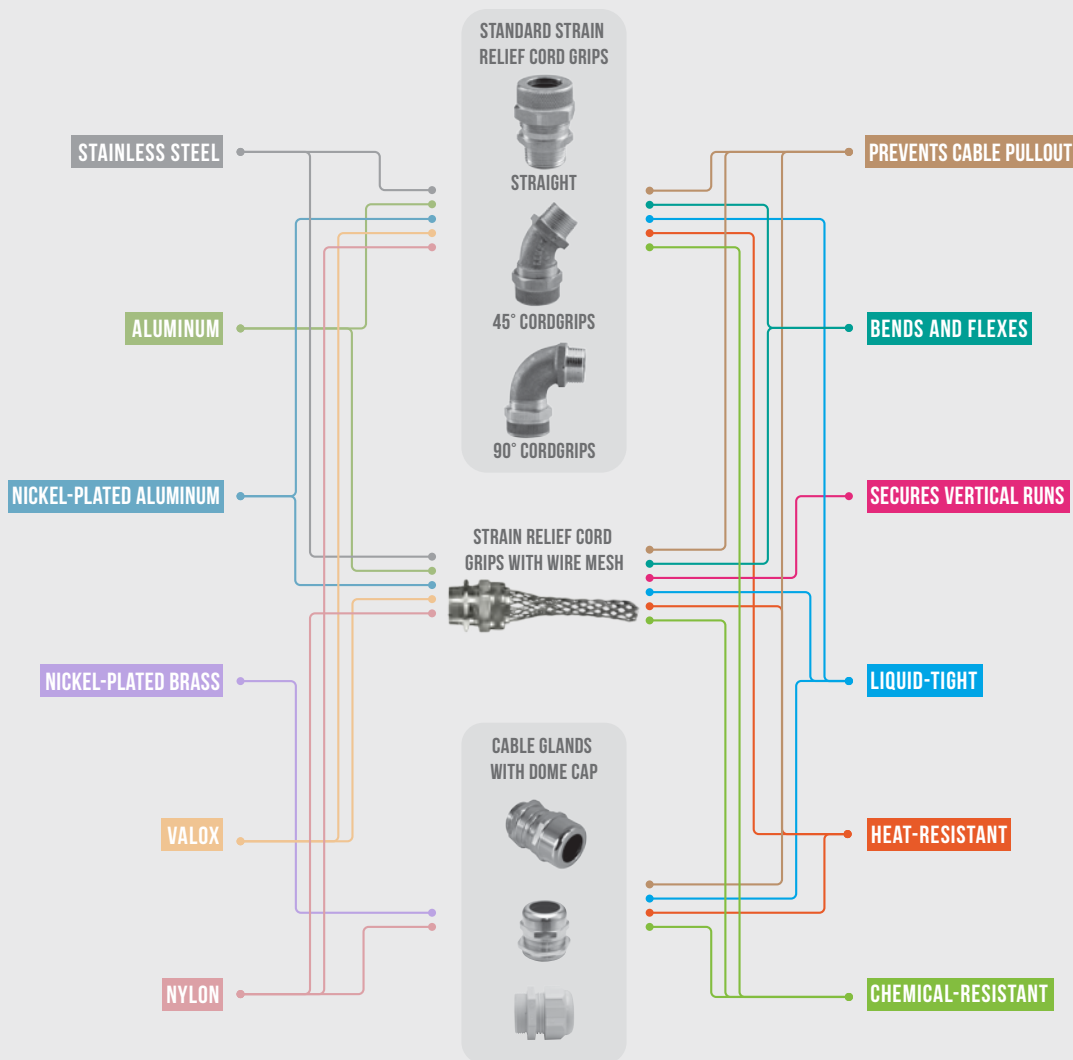




REMKE

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 manufacture a strain relief connector to your exact specifications at no additional cost.

OPTIONAL ADD-ONS



Neoprene or silicone bushings



Multiple hole bushings



O-Ring and locknuts





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
- Optional embedded BUNA-N® O-Ring ensures a watertight and corrosion-resistant seal
- Available in NPT, PG, ISO or Metric threads
- Anti-friction washer that fits between the nut and bushing for easier compression.

(Continues on pages 14-15)

NOTES

CORD GRIP ACCESSORIES

Locknuts: add "-L" to any part number

O-Rings: add "-R" to any part number

OPTION: NICKEL-PLATED ALUMINUM

Add 'N' to end of prefix e.g. RSR-0003 becomes RSRN-0003

OPTION: ANODIZED ALUMINUM

Add 'A' to end of prefix e.g. RSR-0003 becomes RSRA-0003.

SPECIAL CONFIGURATIONS

Special configurations and materials are available. Consult factory.

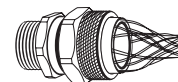
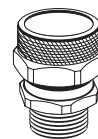
All wire mesh is stainless steel.

Dimension & certification information on pages 62 & 64 in Tuff-Seal Technical Reference



Suitable for use in corrosive environments

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	***	
	.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

***Contact Remke for mesh availability on this part number



RSR SERIES ALUMINUM CORD GRIPS



RSR SERIES STRAIGHT ALUMINUM CORD GRIPS (CONTINUED FROM PAGES 12-13)

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.

(Continues on pages 16-17)

NOTES

CORD GRIP ACCESSORIES

Locknuts: add "-L" to any part number

O-Rings: add "-R" to any part number

OPTION: NICKEL-PLATED ALUMINUM

Add 'N' to end of prefix e.g. RSR-0003 becomes RSRN-0003

OPTION: ANODIZED ALUMINUM

Add 'A' to end of prefix e.g. RSR-0003 becomes RSRA-0003.

SPECIAL CONFIGURATIONS

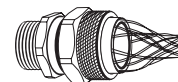
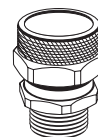
Special configurations and materials are available. Consult factory.

All wire mesh is stainless steel.

Dimension & certification information on pages 62 & 64 in Tuff-Seal Technical Reference



COMPLETE ASSEMBLY PART NUMBERS



RSR SERIES ALUMINUM CORD GRIPS

Conduit Size (NPT)	Cable Range	Cord Grip	Cord Grip With Mesh	
1"	.500 – .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	RSR-414-E	
	.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	RSR-514-E	
	.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	
	1.312 – 1.437	RSR-5623	RSR-5623-E	
	1.438 – 1.562	RSR-5625	RSR-5625-E	
2"	1.562 – 1.688	RSR-5627*	RSR-5627-E	
	1.688 – 1.800	RSR-5629*	RSR-5629-E	
	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 – 1.800	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

**Contact Remke for mesh availability on this part number



REMKE CUSTOM BUSHING DESIGN GUIDE

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:

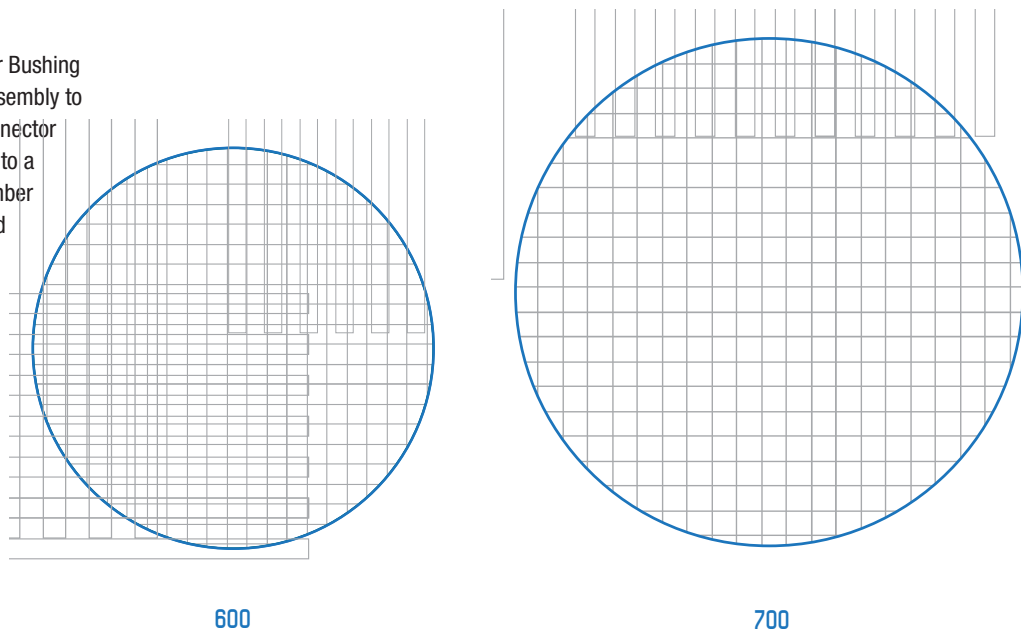
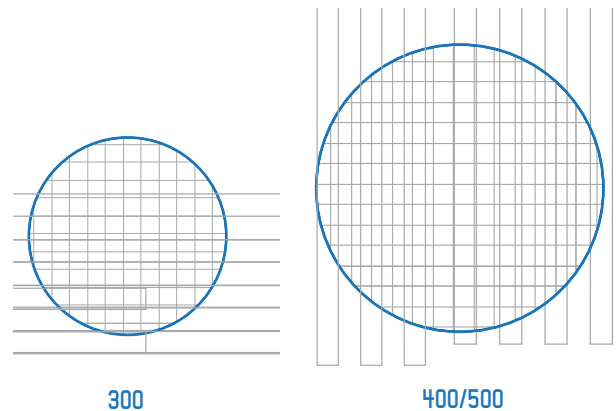
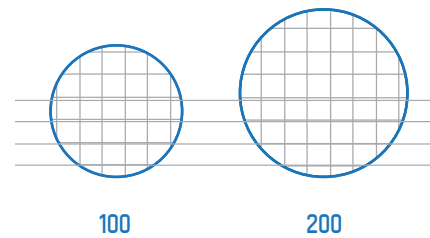
- RSR: Aluminum
- RSRN: Nickel-Plated Aluminum
- RSRS: Steel
- RSSS: Stainless Steel
- RSP: Nylon
- RSPV: Valox

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.

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	Nylon and 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	—



CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS





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"	4.063 to 4.156
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°) RSSS Series RSRS Series RSRF Series RSM Series RPG Series RDC Series
		Liqua-Seal Connectors
		WH Series Watertight Conduit Hubs
		WH Series Watertight Conduit Hubs
Canadian Standards Association (CSA)	28985	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSRS Series RSRF Series RSSS Series RSPV Series RTK Series MC Cable Connectors WH Series Watertight Conduit Hubs
National Electrical Code (NEC)	Articles 400-10	RSR Series (Straight, 90°, 45°)
	Articles 400-14	RSP Series (Straight, 90°) RSM Series RSRS Series 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	

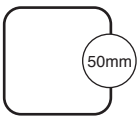
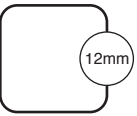
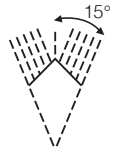
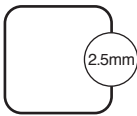
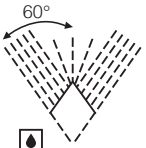
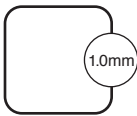
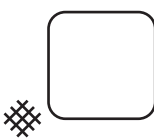
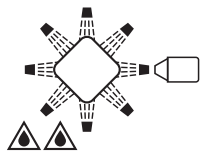
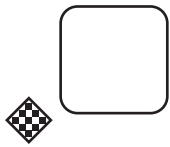
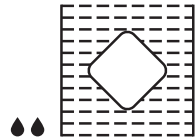
HAZARDOUS LOCATIONS

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°)
	RSP Series (Straight, 90°)
	WH Series Watertight Conduit Hubs
	RSM Series
	RSRS Series
	RSRF Series

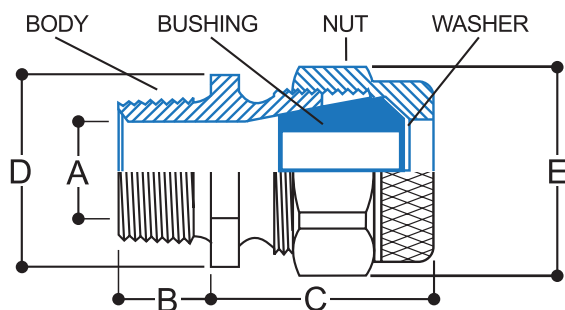
RATINGS/MATERIAL OF CONSTRUCTION

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

IP RATINGS DEFINITION

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

RSR STRAIGHT CORD GRIP DIMENSIONS



NOTE: Dimension "A" is the minimum Inside Body Diameter | Dimension "B" is the Thread Length
Dimension "D" is across flats | Dimension "E" is across corners

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	2.03	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	5.00
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

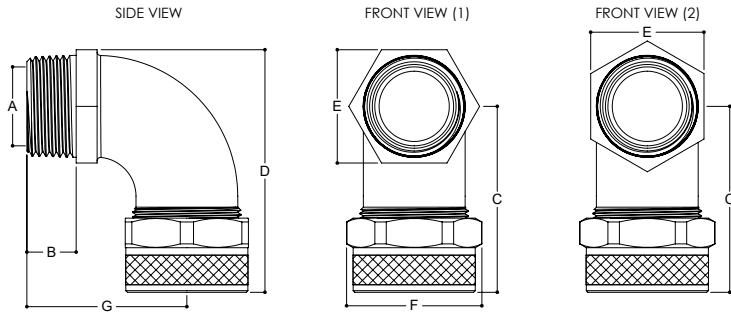
STEEL

Conduit Size	RSRS Series	Form Size	A Inside Body Dia.	B	C	D Body Hex	E Nut
3/8"	000	1	0.47	0.44	0.56	0.88	0.96
1/2"	100	2	0.62	0.56	0.69	1.00	1.25
3/4"	200	3	0.81	0.56	0.85	1.25	1.53
1"	300	4	0.99	0.63	0.94	1.43	1.65
1 1/4"	400	5	1.38	0.66	1.25	1.81	2.03
1 1/2"	500	5	1.38	0.69	1.31	2.19	2.03

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	1.38	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	2.03	0.80	2.43	2.83	2.97
2 1/2"	700	7	2.36	1.25	2.96	3.75	3.95
3"	900	9	3.05	1.39	3.01	4.75	5.00
3 1/2"	1150	11	3.00	1.47	4.41	5.36	6.22
4"	1250	12	3.60	1.47	4.53	5.82	6.66

RSR SERIES 90° CORD GRIP DIMENSIONS

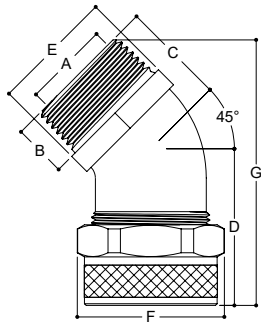


Note: Dimension "E" is across flats
Dimension "F" is across corners

ALUMINUM AND NICKEL-PLATED ALUMINUM

Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut	G	Front View
3/8"	0.45	0.44	1.51	1.88	0.98	0.96	1.31	1
1/2"	0.58	0.56	1.88	2.07	1.03	1.26	1.50	1
3/4"	0.76	0.63	2.25	2.74	1.25	1.55	1.99	1
1"	0.99	0.63	2.41	3.08	1.44	1.74	2.00	1
1-1/4"	1.28	0.69	3.19	4.25	2.13	2.47	2.69	2
1-1/2"	1.40	0.69	3.19	4.30	2.13	2.47	2.69	2
2	1.90	0.81	4.03	5.34	2.81	2.97	3.19	2

RSR SERIES 45° CORD GRIP DIMENSIONS



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

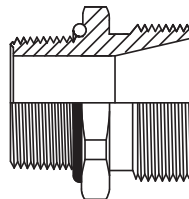
ALUMINUM AND NICKEL-PLATED ALUMINUM

Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut	G
1/2"	0.60	0.60	1.04	1.41	1.03	1.26	2.24
3/4"	0.80	0.62	1.15	1.60	1.25	1.55	2.85
1"	0.99	0.62	1.21	1.83	1.44	1.74	3.10
1-1/4"	1.32	0.72	1.34	2.14	2.13	2.47	3.10
1-1/2"	1.53	0.72	1.44	2.21	2.13	2.47	3.68

CONDUIT SEALS AND LOCKNUTS

O-Rings	Conduit 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
WH-6-R	2 1/2"	LN-250
O-100145	3"	LN-300

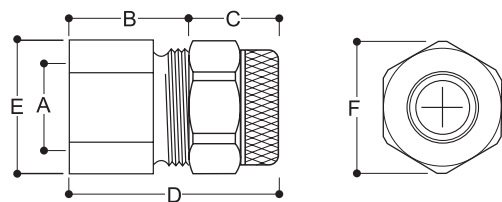
RSR SERIES CORD GRIPS WITH O-RINGS



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



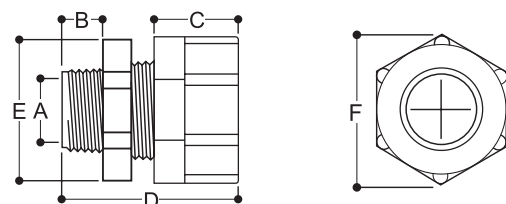
NOTE: Dimension "A" is the minimum Body Bore | Dimension "D" is with the Nut snug, but bushing uncompressed | Dimension "E" is across flats | Dimension "F" is across corners

SPECIFICATIONS

Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut
3/8"	0.46	0.81	0.60	1.40	0.88	0.96
1/2"	0.61	1.05	0.70	1.75	1.13	1.25
3/4"	0.63	1.05	0.70	1.75	1.25	1.25
1"	1.00	1.41	0.94	2.35	1.56	1.72
1-1/4"	1.38	1.35	1.25	2.60	2.00	2.48
1-1/2"	1.43	1.35	1.25	2.60	2.25	2.48

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

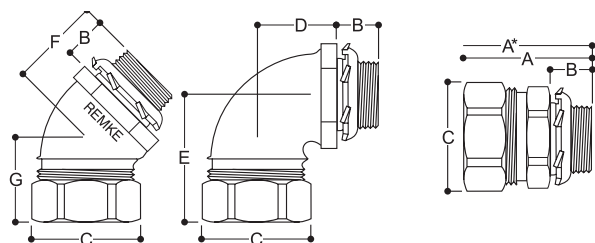


NOTE: Dimension "A" is the minimum Body Bore | Dimension "D" is with the Nut snug, but bushing uncompressed | Dimension "E" is across flats | Dimension "F" is across corners

SPECIFICATIONS

Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut
3/8"	0.45	0.47	0.69	1.55	0.94	1.06
1/2"	0.57	0.50	0.88	1.96	1.12	1.42
3/4"	0.76	0.56	0.88	2.00	1.38	1.71

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 (in)	Threads Per Inch (TPI)
1/4" NPT	0.540	18
3/8" NPT	0.675	18
1/2" NPT	0.840	14
3/4" NPT	1.050	14
1" NPT	1.315	11.5
1-1/4" NPT	1.660	11.5
1-1/2" NPT	1.900	11.5
2" NPT	2.375	11.5
2-1/2" NPT	2.875	8
3" NPT	3.500	8
3-1/2" NPT	4.000	8
4" NPT	4.500	8

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

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS

