



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
Pg 13.5	.562 – .625	RPG-11110	RPG-11110-E
	.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
Pg 16	.500 – .562	RPG-13109	RPG-13109-E
	.562 – .625	RPG-13110	RPG-13110-E
	.438 – .500	RPG-16208	RPG-16208-E
	.500 – .562	RPG-16209	RPG-16209-E
	.562 – .625	RPG-16210	RPG-16210-E
	.625 – .687	RPG-16211	RPG-16211-E
	.687 – .812	RPG-16213	RPG-16213-E
Pg 21	.500 – .562	RPG-21309	RPG-21309-E
	.562 – .625	RPG-21310	RPG-21310-E
	.625 – .687	RPG-21311	RPG-21311-E
	.687 – .812	RPG-21312	RPG-21312-E
	.812 – .937	RPG-21313	RPG-21313-E
	.937 – 1.000	RPG-21314	RPG-21314-E
	1.000 – 1.125	RPG-21315	RPG-21315-E
Pg 29	1.125 – 1.250	RPG-21316	RPG-21316-E
	.500 – .562	RPG-29309	RPG-29309-E
	.562 – .625	RPG-29310	RPG-29310-E
	.625 – .688	RPG-29311	RPG-29311-E
	.688 – .750	RPG-29312	RPG-29312-E
	.750 – .812	RPG-29313	RPG-29313-E
	.812 – .875	RPG-29314	RPG-29314-E
	.875 – .938	RPG-29315	RPG-29315-E
	.938 – 1.000	RPG-29316	RPG-29316-E
	1.000 – 1.125	RPG-29516	RPG-29516-E
	1.125 – 1.250	RPG-29518	RPG-29518-E
	1.250 – 1.375	RPG-29520	RPG-29520-E
Pg 36	1.375 – 1.500	RPG-29522	RPG-29522-E
	.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
Pg 42	1.250 – 1.375	RPG-36522	RPG-36522-E
	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
Pg 48	1.688 – 1.812	RPG-42629	RPG-42629-E
	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™ 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

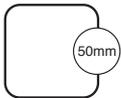
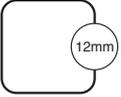
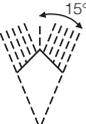
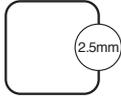
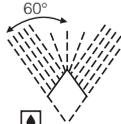
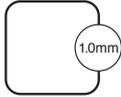
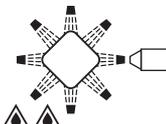
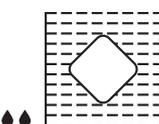
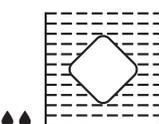
AGENCY	FILE NUMBER	PRODUCT OR COMPONENT
Underwriters Laboratories Inc. (UL)	E53599	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRs Cord Grips RSRF Series
	E52002	Liqua-Seal Connectors
	E52002(N)	WH Series Watertight Conduit Hubs
	E157356(N)	WH Series Watertight Conduit 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	IP 65 AND NEMA 4	IP 56 AND NEMA 4X	IP 67 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	 <p>Protected against solid objects over 50mm e.g hands, large tools</p>	1	 <p>Protection against vertically falling drops of water</p>
2	 <p>Protected against solid objects over 12mm e.g hands, large tools</p>	2	 <p>Protection against direct sprays of water up to a 15° angle</p>
3	 <p>Protection from entry by solid objects over 2.5mm e.g. wire or small tools</p>	3	 <p>Protection against direct sprays of water up to a 60° angle</p>
4	 <p>Protection from entry by solid objects over 1.0mm e.g. wires or tools</p>	4	 <p>Protection against water sprayed from any direction. Limited ingress permitted.</p>
5	 <p>Protection against deposits of dust e.g. against equipment damage due to deposits</p>	5	 <p>Protection against low pressure water jets from any direction. Limited ingress permitted</p>
6	 <p>Total protection against dust ingress e.g. Dust-Tight</p>	6	 <p>Protection against high pressure water jets from any direction. Limited ingress permitted.</p>
IP CODE EXAMPLE			
IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)			
7		 <p>Protection against immersion between 15cm and 1M</p>	
8		 <p>Protection against complete and continuous immersion in water under pressure e.g Water-Tight</p>	

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