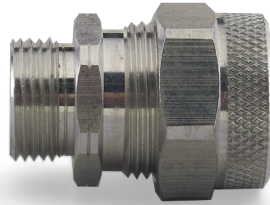




RSM SERIES ALUMINUM CORD GRIPS



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
M30	.687 – .812	RSM-25213	RSM-25213-E
	.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
M32	.812 – .937	RSM-30315	RSM-30315-E
	.875 – 1.000	RSM-30316	RSM-30316-E
	.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
M40	.750 – .875	RSM-32314	RSM-32314-E
	.812 – .938	RSM-32315	RSM-32315-E
	.875 – 1.000	RSM-32316	RSM-32316-E
	.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
M50	1.125 – 1.250	RSM-40420	RSM-40420-E
	1.250 – 1.375	RSM-40422	RSM-40422-E
	.562 – .688	RSM-50511	—
	.688 – .812	RSM-50513	—
	.750 – .875	RSM-50514	RSM-50514-E
M50	.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™ 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)

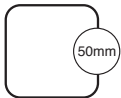

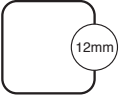

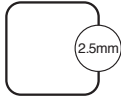
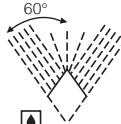
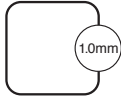


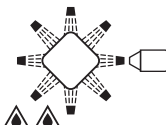


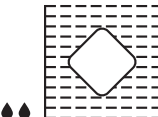
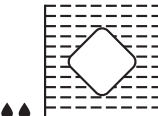
FLAMMABILITY	
Component	Rating
Mesh Grip	UL 94HB
Fitting	UL 94V-2
Note: Non-metallic cord connectors will not support combustion.	

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		7	 <p>Protection against immersion between 15cm and 1M</p>
8		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