

WH SERIES CONDUIT HUBS



WH Series Watertight Conduit Hubs

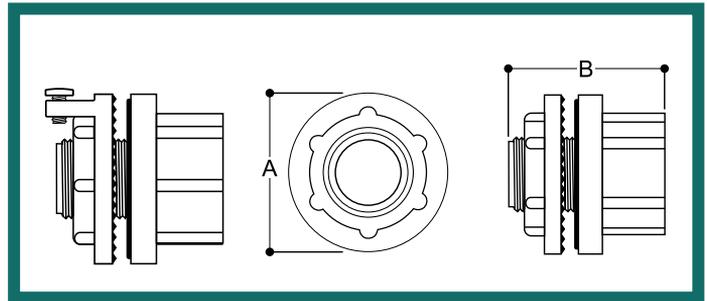
WH Series Watertight Conduit Hubs features unique angled serrations that provide a larger & tighter surface plus a reliable watertight seal even with a rough or oversized knock-out. Used to connect rigid metal conduit or IMC to a threadless opening in electrical enclosures, these Watertight Conduit Hubs are rated NEMA 2, 3, 3R, 4, 4X, 5, 12, & 13 and may be used in either wet or dry applications.

Designed with a simple two-piece construction, these hubs offer positive grounding, protective insulated throats that prevent wire abrasion and an embedded O-Ring to ensure a watertight seal. Made of zinc die cast, WH Watertight Hubs features sizes from 1/2" to 4" and are also available in a grounded style.

STRAIGHT, EXTERNAL CONDUIT THREAD

PART NUMBERS

Hub Size	Zinc Die Cast	Grounded	A	B	Mtg. Hole (minimum)
1/2"	WH-1	WH-1-G	1.54	1.31	0.84
3/4"	WH-2	WH-2-G	1.73	1.37	1.05
1"	WH-3	WH-3-G	2.04	1.59	1.31
1 1/4"	WH-4	WH-4-G	2.42	1.59	1.66
1 1/2"	WH-5	WH-5-G	2.79	1.59	1.90
2"	WH-6	WH-6-G	3.30	1.59	2.37
2 1/2"	WH-7	WH-7-G	3.70	2.47	2.88
3"	WH-8	WH-8-G	4.39	2.47	3.50
3 1/2"	WH-9	WH-9-G	4.81	2.69	4.11
4"	WH-10	WH-10-G	5.38	2.69	4.63



- Certified for use in hazardous locations, Class II Groups E, F, G and Class III
- throat insulator & sealing ring
- 105°C rated

TUFF-SEAL™

**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 2002/95/EC 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.



REMKE INDUSTRIES
 REGISTERED TO ISO 9001:2000
 FILE NUMBER A9208

ISO CERTIFICATION

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

OPERATING TEMPERATURES

Material	Temperature range
Aluminum	-40°F to +300°F (-40°C to +149°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 +450°F (-65°C to +232°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
Canadian Standards Association (CSA)	28985	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSRS Cord Grips RSRF Series RSSS Series RSPV Series Teck Cable Connectors
National Electrical Code (NEC)	Articles 400-10 Articles 400-14	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRS Cord Grips RSRF Series
	Articles 501-4(B) Articles 502-4(A) Articles 503-3(A)	WH Series Watertight Conduit Hubs WH Series Watertight Conduit Hubs 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

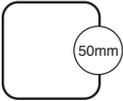
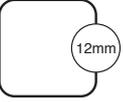
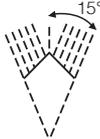
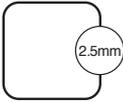
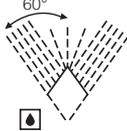
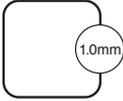
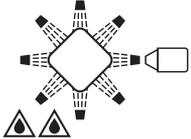
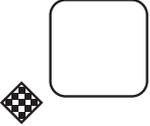
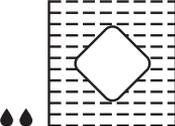
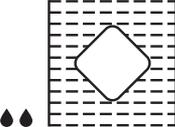
KNOCKOUT DIMENSIONS

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

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		7	 <p>Protection against immersion between 15cm and 1M</p>
IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)		8	 <p>Protection against complete and continuous immersion in water under pressure e.g Water-Tight</p>