

PRESSED ALUMINUM WEATHERJACS™

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SPROULE MANUFACTURING COMPANY, INC.

PRESSED ALUMINUM WEATHERJACS™

Effective: 2/19/2007

General Information

Sproule Pressed Aluminum WeatherJacs™

Sproule Mfg. Co., Inc. WeatherJacs™ are precision formed pressed aluminum fitting covers utilizing .024", Type 1100 Aluminum Alloy with an acrylic coating applied to each side before forming.

Terms & Conditions

All prices are subject to change without prior notice
All prices F.O.B. Devault, Pennsylvania 19432 or Houston, Texas 77015
Payment Terms: 1% Ten Days/Net 30 Days from date of invoice, add 2% per month after 30 days

Warranty & Disclaimer

The information herein is accurate and reliable to the best of Sproule Mfg. Co., Inc.'s knowledge. But, because Sproule Mfg. Co., Inc. has no control over our products once they leave our plant, no representation or warranty, expressed or implied, either as to **Merchantability or Fitness for a particular purpose** is made as to the performance or results of an installation containing our product which extend the description on the face hereof. If the products otherwise fail to conform to the representations made herein, through no fault of the purchaser, purchaser's exclusive remedy and Sproule Mfg. Co., Inc.'s sole liability, shall at Sproule Mfg. Co., Inc.'s options, be the repair or replacement of the nonconforming products or parts thereof, F.O.B. our nearest shipping point. The warranty expires one year from date of purchase. **In no event shall Sproule Mfg. Co., Inc. be responsible or liable for any incidental, special or consequential damages, which might result from product failure.**

Returns & Allowances

Sproule Mfg. Co., Inc. considers most material to be specialty items, therefore returns will not be accepted. However, Sproule Mfg. Co., Inc. will examine each return request on a case by case basis and may allow some material to be returned. No returns of products will be accepted without prior written approval. Where returns are authorized due to causes for which Sproule Mfg. Co., Inc. is responsible, Sproule Mfg. Co., Inc. will assume all charges and the full purchase price will be credited. When returns are made for convenience of the purchaser at his/her request and these are approved in advance, in writing, by Sproule Mfg. Co., Inc., such products returned to the shipping points will be credited at the purchase price less all freight charges, including stopover charges absorbed by Sproule Mfg. Co., Inc. on the original shipment to the purchaser and full freight charges on the return. Sproule Mfg. Co., Inc. will also charge for handling and reconditioning. Credit will be based upon the quantity received at Sproule Mfg. Co., Inc. shipping point in resale condition, as determined by Sproule Mfg. Co., Inc., plus a 20% restocking charge.

Replacement Materials

Sproule Mfg. Co., Inc. will replace, at no charge to the customer, any and all incorrect or damaged material deemed to be the fault of Sproule Mfg. Co., Inc. Sproule Mfg. Co., Inc. will ship such material by the same or equal freight method as the original shipment. Sproule Mfg. Co., Inc. will not be responsible for any expedited freight expenses.

Title

Title to the products shall remain Sproule Mfg. Co., Inc.'s until paid in full by the purchaser. However, risk of loss shall vest in the purchaser at the time of delivery of the products to the carrier.

Some sizes listed above may not be immediately available.

Please call the factory at 1-800-628-6998, or visit www.sproule-mfg.com/wj for a complete list of WeatherJac™ sizes currently available.

1-800-628-6998 ~ www.sproule-mfg.com

3239 Phoenixville Pike, Devault PA 19432 USA ~ Phone: (610) 647-5687 ~ Fax: (610) 647-7146 ~ email: devault@sproule-mfg.com
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SPROULE MANUFACTURING COMPANY, INC.
PRESSED ALUMINUM WEATHERJACS™

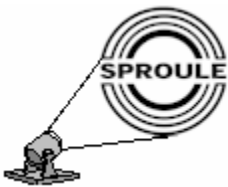
Effective: 2/19/2007

Long Radius 90° Aluminum WeatherJacs™
Large Bore Price List (2/4 Segments)

INSULATION THICKNESS												
IPS	1"	1½"	2"	2 ½"	3"	3 ½"	4"	4 ½"	5"	5 ½"	6"	6 ½"
6"	-	-	-	-	-	-	77.52	81.42	85.34	89.52	103.83	105.88
7"*	-	-	-	-	-	77.52	81.42	85.34	89.52	103.83	105.88	-
8"	-	-	-	-	-	90.04	92.35	94.42	96.76	98.68	100.60	102.67
9"*	-	-	-	-	90.04	92.35	94.42	96.76	98.68	100.60	102.67	-
10"	-	-	-	-	94.81	96.94	98.90	100.86	102.82	104.95	107.31	109.28
11"*	-	-	-	94.81	96.94	98.90	100.86	102.82	104.95	107.31	109.28	-
12"	-	-	96.19	100.32	105.52	107.14	109.58	111.85	114.31	116.41	144.83	149.05
14"	91.74	95.58	101.22	105.07	110.39	114.25	119.77	124.28	130.96	144.25	149.98	154.19
15"*	95.58	101.22	105.07	110.39	114.25	119.77	124.28	130.96	144.25	149.98	154.19	-
16"	107.19	112.12	115.97	120.78	122.68	124.97	127.60	152.25	155.37	160.49	185.05	191.08
17"*	112.12	115.97	120.78	122.68	124.97	127.60	152.25	155.37	160.49	185.05	191.08	-
18"	117.40	119.68	122.15	138.26	140.80	167.38	173.40	178.96	184.98	191.00	197.02	202.58
19"*	119.68	122.15	138.26	140.80	167.38	173.40	178.96	184.98	191.00	197.02	202.58	-
20"	131.35	133.81	136.26	167.38	173.48	179.03	185.05	191.08	192.17	197.59	203.91	209.33
21"*	133.81	136.26	167.38	173.48	179.03	185.05	191.08	192.17	197.59	203.91	209.33	-
22"	130.55	167.38	173.40	174.48	180.43	186.30	192.24	197.66	203.98	209.41	215.27	220.70
23"*	167.38	173.40	174.48	180.43	186.30	192.24	197.66	203.98	209.41	215.27	220.70	-
24"	169.14	174.56	180.43	181.52	187.24	192.52	203.91	209.33	215.27	220.70	227.08	232.52
25"*	174.56	180.42	181.52	187.23	192.52	203.91	209.33	215.27	220.70	227.08	232.52	-
30"	285.84	293.89	300.77	308.77	314.20	322.13	329.05	337.58	346.34	354.22	361.81	369.66
31"*	293.89	300.77	308.77	314.20	322.13	329.05	337.58	346.34	354.22	361.81	369.66	-

* Made with the previous size center line radius and can be used for traced lines. All Sproule WeatherJacs™ above the bold line are composed of 2 segments. All sizes listed below the bold line are 4 segment WeatherJacs™.

Ask for a complimentary copy of our WeatherJac™ Interactive CD-ROM Guide.



Sproule Mfg. has assembled a CD-ROM filled with information on every aspect of the Sproule WeatherJacs™. Along with the standard list pricing and technical data sheets, this user friendly CD-ROM contains a unique and dynamic video installation guide for each type of WeatherJac™. The insulator is taken, step by step, through the entire installation process from beginning to end. Time lapse videos, animations, and diagrams are all used to give even the most novice of insulators a complete understanding Sproule WeatherJacs™, their purpose, the advantages of a pressed aluminum elbow in the field, and most importantly the correct method for installing WeatherJacs™. This Interactive CD-ROM Guide also contains a short sales presentation covering the advantages of Sproule WeatherJacs™. This presentation has proven itself time and again to be an invaluable tool to quickly cover the specific points that concern most engineers, end users, even distributors, and contractors. **No special software is required, any computer with a web browser can view our guide.**

Some sizes listed above may not be immediately available.

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SPROULE MANUFACTURING COMPANY, INC.
PRESSED ALUMINUM WEATHERJACS™

Effective: 2/19/2007

Long Radius 45° Aluminum WeatherJacs™
Large Bore Price List (1/2 Segments)

INSULATION THICKNESS												
IPS	1"	1½"	2"	2 ½"	3"	3 ½"	4"	4 ½"	5"	5 ½"	6"	6 ½"
6"	-	-	-	-	-	-	38.76	40.71	42.67	44.76	51.91	52.94
7"*	-	-	-	-	-	38.76	40.71	42.67	44.76	51.91	52.94	-
8"	-	-	-	-	-	45.02	46.17	47.21	48.38	49.34	50.30	51.34
9"*	-	-	-	-	45.02	46.17	47.21	48.38	49.34	50.30	51.34	-
10"	-	-	-	-	47.41	48.47	49.45	50.43	51.41	52.47	53.66	54.64
11"*	-	-	-	47.41	48.47	49.45	50.43	51.41	52.47	53.66	54.64	-
12"	-	-	48.09	50.16	52.76	53.57	54.79	55.92	57.16	58.21	72.41	74.52
14"	45.87	47.79	50.61	52.54	55.19	57.13	59.88	62.14	65.48	72.12	74.99	77.09
15"*	47.79	50.61	52.54	55.19	57.13	59.88	62.14	65.48	72.12	74.99	77.10	-
16"	53.60	56.06	57.98	60.39	61.34	62.49	63.80	76.13	77.69	80.24	92.53	95.54
17"*	56.06	57.98	60.39	61.34	62.49	63.80	76.13	77.69	80.24	92.53	95.54	-
18"	58.70	59.84	61.08	69.13	70.40	83.69	86.70	89.48	92.49	95.50	98.51	101.29
19"*	59.84	61.08	69.13	70.40	83.69	86.70	89.48	92.49	95.50	98.51	101.29	-
20"	65.68	66.90	68.13	83.69	86.74	89.52	92.53	95.54	96.08	98.79	101.95	104.66
21"*	66.90	68.13	83.69	86.74	89.52	92.53	95.54	96.08	98.79	101.95	104.67	-
22"	65.27	83.69	86.70	87.24	90.21	93.15	96.12	98.83	101.99	104.70	107.63	110.35
23"*	83.69	86.70	87.24	90.21	93.15	96.12	98.83	101.99	104.70	107.63	110.35	-
24"	84.57	87.28	90.21	90.76	93.62	96.26	101.95	104.67	107.63	110.35	113.54	116.26
25"*	87.28	90.21	90.76	93.62	96.26	101.95	104.66	107.63	110.35	113.54	116.26	-
30"	142.92	146.95	150.38	154.38	157.10	161.06	164.52	168.79	173.17	177.11	180.91	184.83
31"*	146.95	150.38	154.38	157.10	161.06	164.52	168.79	173.17	177.11	180.91	184.83	-

* Made with the previous size center line radius and can be used for traced lines. All Sproule WeatherJacs™ above the bold line are composed of 1 segment. All sizes listed below the bold line are 2 segment WeatherJacs™.

Are Painted WeatherJacs™ available?

While the majority of Sproule WeatherJacs™ are sold unpainted, Sproule Mfg. Co., Inc. can supply its Large Bore Aluminum WeatherJacs™ factory painted. First, a paint specification is required to determine if the paint is compatible with our painting systems. After a suitable paint specification has been established, Sproule Mfg. Co., Inc. will quote on a 'order by order' or 'job by job' basis. The large number of paint specifications does not allow Sproule Mfg. to stock any painted WeatherJacs™. Depending on the quantity required, painting WeatherJacs™ will add approximately 1-2 weeks of additional delivery time.

Some sizes listed above may not be immediately available.

Please call the factory at 1-800-628-6998, or visit www.sproule-mfg.com/wj for a complete list of WeatherJac™ sizes currently available.

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SPROULE MANUFACTURING COMPANY, INC.
PRESSED ALUMINUM WEATHERJACS™

Effective: 2/19/2007

Aluminum WeatherJacs™
Short Radius 90° to Long Radius 90° Conversion Chart

INSULATION THICKNESS							
IPS	1" 25.4mm	1½" 38.1mm	2" 50.8mm	2½" 63.5mm	3" 76.2mm	3½" 88.9mm	4" 101.6mm
1"	3	6	11	12	23	59	60
1¼"	3	8	11	12	23	59	60
1½"	5	8	12	23	59	60	61
2"	6	11	18	23	59	60	61
2½"	9	18	23	59	60	61	
3"	10	18	20	24	60	61	
3½"	16	20	24	60	61		
4"	16	20	24	25	26	31	
4½"*	20	24	25	26	31		
5"	21	24	30	33	31		
6"	27	30	33	31	34		
7"*	30	33	31	34			
8"	37	39	44	45	57	6 X 4 1/2	6 X 5
9"*	39	44	45	57	6 X 4 1/2	6 X 5	6 X 5 1/2
10"	44	45	57	6 X 4 1/2	6 X 5	6 X 5 1/2	6 X 6
11"*	45	57	6 X 4 1/2	6 X 5	6 X 5 1/2	6 X 6	6 X 6 1/2
12"	49	52	53	8 X 4 1/2	8 X 5	8 X 5 1/2	8 X 6
14"	55	54	10 X 3 1/2	10 X 4	10 X 4 1/2	10 X 5	10 X 5 1/2
15"*	54	10 X 3 1/2	10 X 4	10 X 4 1/2	10 X 5	10 X 5 1/2	10 X 6
16"	10 X 3 1/2	10 X 4	10 X 4 1/2	10 X 5	10 X 5 1/2	10 X 6	10 X 6 1/2
17"*	10 X 4	10 X 4 1/2	10 X 5	10 X 5 1/2	10 X 6	10 X 6 1/2	10 X 7
18"	12 X 3 1/2	12 X 4	12 X 4 1/2	12 X 5	12 X 5 1/2	12 X 6	12 X 6 1/2
19"*	12 X 4	12 X 4 1/2	12 X 5	12 X 5 1/2	12 X 6	12 X 6 1/2	12 X 7
20"	14 X 4	14 X 4 1/2	14 X 5	14 X 5 1/2	14 X 6	14 X 6 1/2	14 X 7
21"*	14 X 4 1/2	14 X 5	14 X 5 1/2	14 X 6	14 X 6 1/2	14 X 7	
22"	14 X 5	14 X 5 1/2	14 X 6	14 X 6 1/2	14 X 7		
23"*	14 X 5 1/2	14 X 6	14 X 6 1/2	14 X 7			
24"	16 X 5	16 X 5 1/2	16 X 6	16 X 6 1/2	16 X 7		

*Made with the previous size centerline radius and can be used for traced lines. Size numbers in bold vary from published size charts of other aluminum elbow manufacturers.

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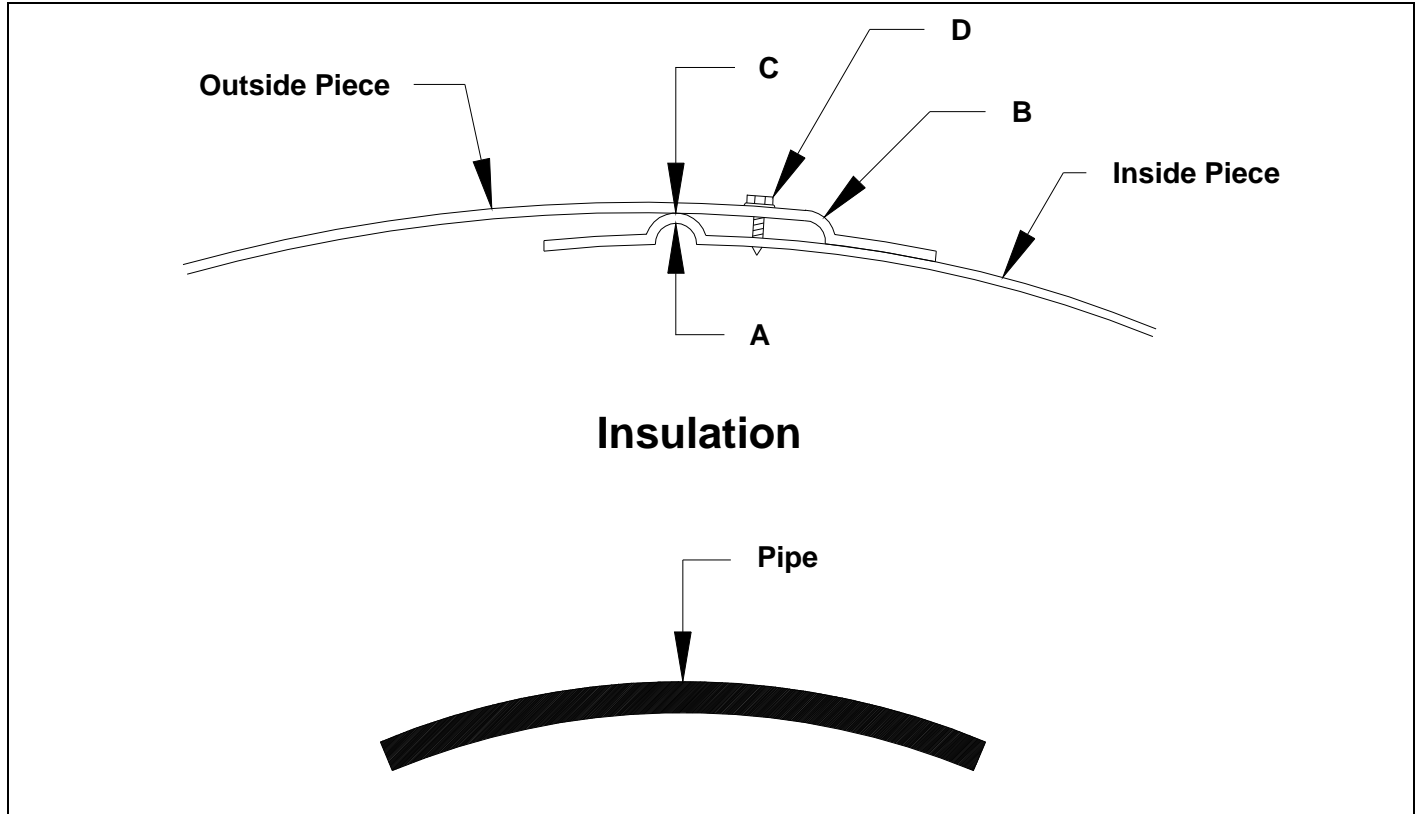
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WeatherJac™ Application Instructions



Sproule WeatherJac™ use 'inside' and 'outside' pieces which have a patented (US Patent #6382260) closure system to keep water from getting into the insulation system. The inside piece has a pressed ridge. (See Figure - A) The outside piece has a pressed offset. (See Figure - B) Place one inside and one outside piece over the thermal insulation and properly tension the pieces with equal overlap on each side. After tensioning the pieces, place stainless steel sheet metal screws* (See Figure - D) between the inside ridge (A) and outside offset (B). Ideally, sheet metal screws should be placed on 3" centers starting in the middle of the jacket working outwards.

As the screws are being installed, the outside piece will be pulled down tightly over the ridge (A) of the inside piece forming a seal. (See Figure - C) This seal will direct any water attempting to enter the insulation system down the ridge and out the bottom of the WeatherJac™ that overlaps the pipe jacketing.

* On cold systems, replaced the stainless steel sheet metal screws with ½" stainless steel bands.

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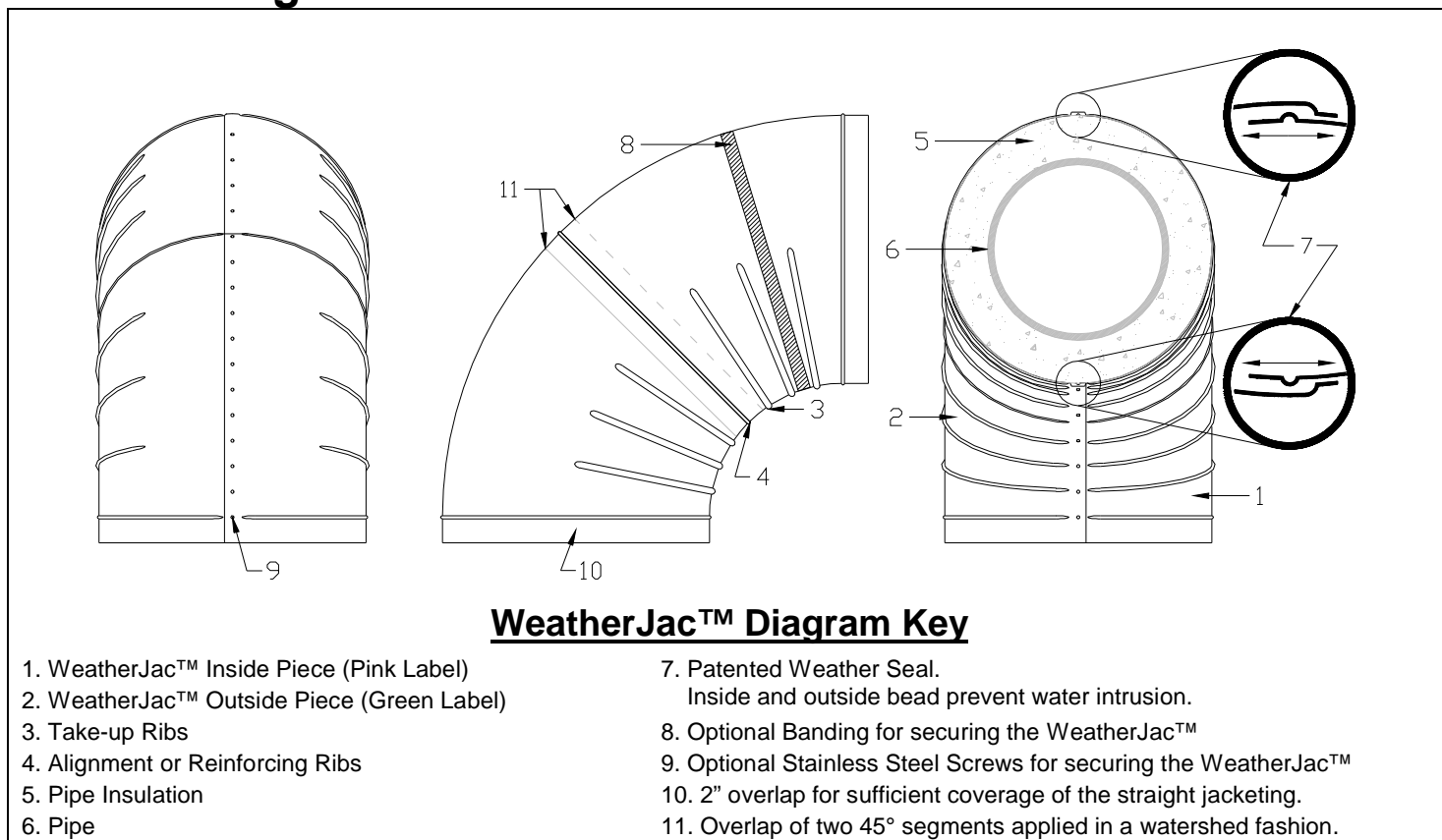
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SPROULE MANUFACTURING COMPANY, INC.
PRESSED ALUMINUM WEATHERJACS™

Effective: 2/19/2007

Large Bore WeatherJac™ Technical Data Sheet



WeatherJac™ Technical Specifications: Sproule Mfg. Co., Inc. WeatherJacs™ are precision formed pressed aluminum fitting covers utilizing .024", Type 1100 Aluminum Alloy with an acrylic coating applied to each side before forming. Sproule WeatherJacs™ are pressed with both an Inside and Outside half, and in 2, 4 or 8 pieces dependent on size.

WeatherJac™ Available Sizes: Sproule Mfg. Co., Inc. Large Bore WeatherJacs™ are available as Long Radius 90° & 45° elbows and Short Radius 90° & 45° elbows. Available pipe sizes range from 6" to 30" IPS and thickness is available from 1" to 7" thick. (½" increments) Sproule Mfg. can accommodate electric and steam tracers from 1" to 3". Please contact the factory at 1-800-628-6998 with the insulation's Outside Diameter (OD) and pipe's Center Line Radius (CL). The Sproule Mfg. staff will be more than willing to convert your traced sizes into a standard WeatherJac™ size. **Some sizes may not be immediately available. Please call the factory at 1-800-628-6998, or visit www.sproule-mfg.com/wj for a complete list of WeatherJac™ sizes currently available.**

The information herein is accurate and reliable to the best of Sproule Mfg. Co., Inc.'s knowledge. But, because Sproule Mfg. Co., Inc. has no control over our products once they leave our plant, no representation or warranty, expressed or implied, either as to Merchantability or Fitness for a particular purpose is made as to the performance or results of an installation containing our product which extend the description on the face hereof. If the products otherwise fail to conform to the representations made herein, through no fault of the purchaser, purchaser's exclusive remedy and Sproule Mfg. Co., Inc.'s sole liability, shall at Sproule Mfg. Co., Inc.'s option, be the repair or replacement of the nonconforming products or parts thereof, F.O.B. our nearest shipping point. The warranty expires one year from date of purchase. In no event shall Sproule Mfg. Co., Inc. be responsible or liable for any incidental, special or consequential damages which might result from product failure.

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Effective: 2/19/2007

General Packaging & Shipping Data
Carton Dimensions

Carton	Length	Width	Height	Ft ³	per Pallet
WJ-A	15" (38.1 cm)	15" (38.1 cm)	11" (27.9 cm)	1.43	24
WJ-B	20" (50.8 cm)	20" (50.8 cm)	10" (25.4 cm)	2.31	28
WJ-C	25" (63.6 cm)	25" (63.6 cm)	10" (25.4 cm)	3.62	14
WJ-D	28" (71.1 cm)	28" (71.1 cm)	14" (35.6 cm)	6.35	10
WJ-E	32" (81.3 cm)	27" (68.6 cm)	14" (35.6 cm)	7.00	10
D*	24" (61.0 cm)	30 ½" (77.5 cm)	24 ½" (62.2 cm)	10.80	6
E*	26 ½" (67.3 cm)	34 ½" (87.6 cm)	30" (76.2 cm)	15.70	4
Q*	26 ½" (67.3 cm)	34 ½" (87.6 cm)	21" (53.3 cm)	10.75	6

* The standard D, E, and Q boxes are used only in special circumstance for the Large Bore Aluminum WeatherJacs™

Shipping Methods

Will Call / Hot Shot Shipments: All Will Call and Hot Shot orders will be available for pickup during normal shipping hours unless arranged in advance. Will Call and Hot Shot shipments will be loose loaded unless specifically requested ahead of time. A \$5.00 handling fee will be charged per pallet.

United Parcel Service Shipments: Only carton types A, B, C, and D may ship via UPS. B, C, and D cartons are subject to dimensional weight standards, and ship at a minimum of 30 lbs. (B and C cartons) or 70 lbs. (D Cartons) for Ground Service. All A, B, C and D cartons are subject to dimensional weight standards when shipping 3 Day Select®, 2nd Day Air®, and Next Day Air®. Please contact the factory for a freight quote for these services. In addition to the actual freight costs, a \$3.00 handling fee per carton will be charged for all UPS shipments.

Less Than Truckload (LTL) Shipments: All Sproule Aluminum WeatherJacs™ ship at Class 60, Item 13260, Aluminum Ells. All paperwork and pallets will be marked with 'Top Load Only' and 'Do Not Remove From Pallet.' All cartons will be stretch wrapped and securely banded to the pallet. In order to calculate an accurate shipping weight, Sproule will use a constant weight of 45 lbs. per pallet plus the weight of the cartons themselves. In addition to the actual freight costs, a \$5.00 handling fee will be charged per pallet.

Full Truckload Shipments: Unless otherwise requested, Sproule Mfg. Co., Inc. will floor (loose) load all Full Truckload Shipments. Sproule Mfg. Co., Inc. estimates one 'Full Truckload' as 3,600 cubic feet. Please allow for additional cubic footage due to packaging variations of partial cartons. All orders containing 50 or more cartons will have a cross off sheet included with the packing slip to ease the unloading process. In the cases of multiple order shipments, Sproule Mfg. Co., Inc. will make every attempt to keep orders grouped together within the truck, but to maximize the utilization of the trailer, Sproule Mfg. Co., Inc. cannot guarantee that orders will be kept together.

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