

AJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond , IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Application

- Explosionproof junction boxes are used where hazardous materials are handled or stored. These enclosures may be used for:
 - Terminals
 - Splicing wires
 - Pull boxes
 - Bus boxes

Features

- Precision machined flame path between box and cover.
- Bolt on stainless steel slotted mounting feet for horizontal or vertical mounting.
- Flexible hinge mounting either left or right side is standard on all boxes 12 x 12 x 06 and larger.
- External flange maximizes internal space.
- Wall thickness suitable for minimum of five full threads.
- Provision for mounting pan.
- Wide range of drilled and tapped outlets.
- Ground lug package and installation instructions for termination of ground wires enclosed.
- O-ring gasket insures watertight integrity.

Standard Materials

- Bodies and covers: sand cast copperfree (4/10 of 1% max.) aluminum
- Cover bolts: stainless steel
- O-ring: neoprene
- Hinges: stainless steel
- Mounting pan: galvanized steel

Standard Finishes

- Bodies and covers: shot blast finish standard

Options

- Custom drilling and tapping.
- Set of 4 standoffs 0.50"/12.7mm high. For factory-installed option add suffix **-AB**.
- Breather, NEMA 4X (includes outlets & installation). For factory-installed option add suffix **-BR**, for field-installed option order catalog number **BRTB4X**.
- Drain, NEMA 4X (includes outlets & installation). For factory-installed option add suffix **-DN** for field-installed option order catalog number **ECD50B4X**.
- Desiccate package. For factory-installed option add suffix **-DP1**, for field-installed option order catalog number **AWG13/1CT**.
- External grounding stud 3/8"-16. For factory-installed option add suffix **-EGS**.
- Gray epoxy powder coat (outside). For factory-installed option add suffix **-G1**.
- Gray epoxy powder coat available to provide NEMA 4X rating (inside & outside). For factory-installed option add suffix **-G2**.
- Internal Ground Stud, #14 - #2. For factory-installed option add suffix **-GNDKIT**.
- Hinges: stainless steel hinge available for boxes up to 11 x 30 x 03. For factory-installed option add suffix **-H**.
- Hinge Kit, 2 light duty SS hinges. For field-installed option order catalog number **AHOF12SS**.
- Hinge Kit, 2 heavy duty SS hinges. For field-installed option order catalog number **AHOF22SS**.
- Hinge Kit, 3 heavy duty SS hinges. For field-installed option order catalog number **AHOF23SS**.

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- Terminal blocks 600 Volt, 30 Amp Indicate number of points: example: 5 points = 5K. For factory-installed option add suffix **-K**.
- Plastic nameplate, 2.00 x 4.00" / 50.8 x 101.6 mm, .13"/3.3 mm black letters on white surface, 3 lines max, specify legend. For factory-installed option add suffix **-NP**.
- SS captive Quad-Lead bolts. For factory-installed option add suffix **-Q**.
- ATEX complete product certification add suffix **-X**.
- ATEX U component certification add suffix **-XU**.
- Mounting pan. For factory-installed option add suffix **-Z**.

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E85310
- CSA Standard: C22.2 No. 25, C22.2 No.30
- CSA Certified: 042129
- Certification Type JBEW U2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 \oplus II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 \oplus II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 5C239
 - ATEX Certificate: LCIE 06 ATEX 0010U
 - IECEx Certificate: IECEx LCI 08.001X
 - Internal Volume: > 2dm³ (2 liters)
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-1; 61241-0; 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

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Catalog Number	Overall Dimensions			Dimensions in Inches/Millimeters									Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	F	E	G	Mounting Dimensions			Inside Dimensions								
				A	AA	B	BB	W	H	Db	Dc	K			
AJBEW040604	7.13/ 181.1	9.13/ 231.9	6.13/ 155.7	N/A	6.75/ 171.5	N/A	2.13/ 54.1	4.00/ 101.6	6.00/ 152.4	3.75/ 95.3	0.75/ 19.1	2.50/ 63.5	1-1/2	20.00/ 9.1	AMH2
AJBEW050903	8.94/ 227.1	13.50/ 342.9	6.13/ 155.7	4.00/ 101.6	N/A	11/ 279.4	N/A	5.06/ 128.5	9.50/ 241.3	3.50/ 88.9	1.13/ 28.7	2.00/ 50.8	1-1/2	20.00/ 9.1	AMH2
AJBEW060604	9.63/ 244.6	9.33/ 237.0	6.25/ 158.8	N/A	8.75/ 222.3	N/A	12.13/ 308.1	6.00/ 152.4	6.00/ 152.4	4.00/ 101.6	0.75/ 19.1	2.38/ 60.5	2	20.00/ 9.1	AMH2
AJBEW060804	10.40/ 264.2	12.40/ 315.0	6.50/ 165.1	4.50/ 114.3	9.13/ 231.9	10.56/ 268.2	4.50/ 114.3	6.00/ 152.4	8.00/ 203.2	3.75/ 95.3	0.75/ 19.1	2.50/ 63.5	2	20.00/ 9.1	AMH2
AJBEW060806	10.40/ 264.2	12.50/ 317.5	8.13/ 206.5	N/A	9.38/ 238.3	N/A	4.50/ 114.3	6.00/ 152.4	8.00/ 203.2	5.75/ 146.1	0.75/ 19.1	2.38/ 60.5	2	20.00/ 9.1	AMH2
AJBEW061004	10.63/ 270.0	15.25/ 387.4	6.75/ 171.5	5.50/ 139.7	N/A	13.13/ 333.5	N/A	6.13/ 155.7	10.75/ 273.1	3.81/ 96.8	1.44/ 36.6	2.00/ 50.8	2	27.00/ 12.2	AMH2
AJBEW061204	10.63/ 270.0	16.60/ 421.6	6.38/ 162.1	N/A	9.13/ 231.9	N/A	8.50/ 215.9	6.13/ 155.7	12.13/ 308.1	4.06/ 103.1	1.00/ 25.4	2.25/ 57.2	2	25.00/ 11.3	AMH2
AJBEW061604	11.00/ 279.4	20.50/ 520.7	6.88/ 174.8	6.00/ 152.4	N/A	18.00/ 457.2	N/A	6.50/ 165.1	16.00/ 406.4	4.13/ 104.9	1.38/ 35.1	2.31/ 58.7	2	32.00/ 14.5	AMH2
AJBEW071106	12.25/ 311.2	15.88/ 403.4	10.00/ 254.0	6.38/ 162.1	N/A	13.50/ 342.9	N/A	7.38/ 187.5	11.38/ 289.1	5.88/ 149.4	2.50/ 63.5	3.38/ 85.9	2	35.00/ 15.9	AMH2
AJBEW080806	12.25/ 311.2	12.25/ 311.2	8.25/ 209.6	4.50/ 114.3	10.75/ 273.1	10.75/ 273.1	4.50/ 114.3	8.00/ 203.2	8.00/ 203.2	5.75/ 146.1	0.75/ 19.1	3.25/ 82.6	2	30.00/ 13.6	AMH2
AJBEW081006	12.50/ 317.5	14.50/ 368.3	8.50/ 215.9	7.00/ 177.8	10.75/ 273.1	12.50/ 317.5	6.50/ 165.1	8.00/ 203.2	10.00/ 254.0	5.75/ 146.1	0.75/ 19.1	3.50/ 88.9	2	36.00/ 16.3	AMH2
AJBEW081307	12.50/ 317.5	17.44/ 443.0	10.38/ 263.7	N/A	10.00/ 254	N/A	8.50/ 215.9	8.00/ 203.2	13.06/ 331.7	3.50/ 88.9	3.50/ 88.9	2.75/ 69.9	2	30.00/ 13.6	AMH2
AJBEW091105	13.88/ 352.6	15.50/ 393.7	8.69/ 220.7	7.25/ 184.2	11.82/ 300.2	13.13/ 333.5	8.56/ 217.4	9.00/ 238.3	11.13/ 282.7	4.81/ 122.2	1.88/ 47.8	3.25/ 82.6	2	22.00/ 10.0	AMH2
AJBEW091504	14.25 /362	20.44/ 519.2	8.50/ 215.9	7.25/ 184.2	11.81/ 300.0	17.88/ 454.2	13.31/ 338.1	9.50/ 241.3	15.56/ 395.2	4.75/ 120.7	1.75/ 44.5	3.00/ 76.2	2	33.00/ 15.0	AMH2
AJBEW101006	14.81/ 376.2	14.81/ 376.2	9.13/ 231.9	6.50/ 165.1	10.78/ 273.8	13.00/ 330.2	4.50/ 114.3	10.25/ 260.4	10.25/ 260.4	5.75/ 146.1	1.50/ 38.1	3.38/ 85.9	2	44.00/ 20.00	AMH2
AJBEW101406	14.50/ 368.3	18.50/ 469.9	8.44/ 214.4	7.00/ 177.8	13.00/ 330.2	16.63/ 422.4	10.63/ 270	10.00/ 254.0	14.00/ 355.6	5.88/ 149.4	0.75/ 19.1	3.13/ 79.5	2	55.00/ 24.9	AMH4
AJBEW101408	14.50/ 368.3	18.50/ 469.9	9.63/ 244.6	N/A	13.00/ 330.2	N/A	10.63/ 270	10.00/ 254.0	14.00/ 355.6	7.75/ 196.9	0.75/ 19.1	4.44/ 112.8	4	60.00/ 27.2	AMH2
AJBEW112005	16.38/ 416.1	25.13/ 638.3	7.50/ 190.5	10.25/ 260.4	14.50/ 368.3	22.63/ 574.8	16.88/ 428.8	11.38/ 289.1	20.00/ 508.0	4.88/ 124.0	1.50/ 38.1	3.50/ 88.9	3	85.00/ 38.6	AMH2
AJBEW112406	15.75/ 400.1	29.38/ 746.3	10.19/ 258.8	8.50/ 215.9	14.13/ 358.9	27.13/ 689.1	20.00/ 508	10.75/ 273.1	24.38/ 619.3	6.00/ 152.4	1.63/ 41.4	4.00/ 101.6	3	72.00/ 32.7	AMH8

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ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

Enclosures and Junction Boxes

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Catalog Number	Dimensions in Inches/Millimeters												Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	Overall Dimensions			Mounting Dimensions				Inside Dimensions							
	F	E	G	A	AA	B	BB	W	H	Db	Dc	K			
AJBEW113006	16.38/416.1	35.00/889.0	10.25/260.4	9.50/241.3	15.13/384.3	32.88/835.2	27.25/692.2	11.25/285.8	29.88/759.0	6.19/157.2	1.88/47.8	4.19/106.4	3	113.00/51.3	AMH8
AJBEW121206	17.38/441.5	17.38/441.5	9.25/235	8.63/219.2	15.63/397.0	15.63/397.0	8.63/219.2	12.25/311.2	12.25/311.2	5.75/146.1	1.50/38.1	3.75/95.3	3	65.00/29.5	AMH8
AJBEW121208	17.38/441.5	17.38/441.5	11.50/292.1	8.63/219.2	15.63/397.0	15.63/397.0	8.63/219.2	12.25/311.2	12.25/311.2	7.75/196.9	1.50/38.1	4.75/120.7	3	70.00/31.8	AMH8
AJBEW121806	17.00/431.8	23.00/584.2	9.13/231.9	7.00/177.8	15.75/400.1	21.00/533.4	14.13/358.9	12.25/311.2	18.25/463.6	5.75/146.1	1.50/38.1	3.50/88.9	4	90.00/40.8	AMH5
AJBEW121808	17.00/431.8	23.00/584.2	11.13/282.7	7.00/177.8	15.75/400.1	21.00/533.4	14.13/358.9	12.25/311.2	18.25/463.6	8.75/222.3	1.50/38.1	4.25/108.0	4	101.00/45.8	AMH5
AJBEW122408	16.75/425.5	28.75/730.3	11.13/282.7	N/A	15.75/400.1	N/A	18.38/466.9	12.00/304.8	24.00/609.6	7.75/196.9	1.00/25.4	4.25/108.0	4	138.00/62.6	AMH4
AJBEW123608	16.75/425.5	40.75/1035.1	11.88/301.8	N/A	15.75/400.1	N/A	29.00/736.6	12.00/304.8	36.00/914.4	7.75/196.9	1.50/38.1	4.56/115.8	4	218.00/98.9	AMH5
AJBEW133806	18.00/457.2	42.50/1079.5	10.44/265.2	16.13/409.7	11.88/301.8	40.75/1035.1	33.75/857.3	13.63/346.2	37.88/962.2	6.13/155.7	1.50/38.1	4.31/109.5	3-1/2	190.00/86.2	AMH8
AJBEW141406	19.38/492.3	19.38/492.3	9.56/242.8	9.75/247.7	17.75/450.9	17.75/450.9	9.75/247.7	14.75/374.7	14.75/374.7	5.75/146.1	1.38/35.1	3.88/98.6	3-1/2	98.00/44.5	AMH8
AJBEW141408	19.38/492.3	19.38/492.3	11.56/293.6	9.75/247.7	17.75/450.9	17.75/450.9	9.75/247.7	14.75/374.7	14.75/374.7	7.75/196.9	1.38/35.1	4.00/101.6	3	105.00/47.6	AMH8
AJBEW142408	19.63/498.6	29.00/736.6	12.00/304.8	13.13/333.5	N/A	27.50/698.5	N/A	14.88/378	24.25/616.0	8.00/203.2	1.50/38.1	4.00/101.6	4	131.00/59.4	AMH6
AJBEW153707	21.25/539.8	43.00/1092.2	12.06/306.3	13.75/349.3	20.00/508.0	41.63/1057.4	32.00/812.8	15.63/397	37.25/946.2	7.44/189.0	1.50/38.1	5.25/133.4	4	250.00/113.4	AMH8
AJBEW161606	21.00/533.4	21.00/533.4	9.81/249.2	11.00/279.4	19.75/501.7	19.75/501.7	11.00/279.4	16.50/419.1	16.50/419.1	5.75/146.1	1.50/38.1	3.88/98.6	3-1/2	132.00/59.9	AMH8
AJBEW161608	21.00/533.4	21.00/533.4	12.39/314.7	11.00/279.4	19.75/501.7	19.75/501.7	11.00/279.4	16.50/419.1	16.50/419.1	8.38/212.9	1.50/38.1	4.88/124.0	4	140.00/63.5	AMH8
AJBEW161812	21.38/543.1	23.38/593.9	15.06/382.5	12.00/304.8	19.00/482.6	21.00/533.4	14.00/355.6	16.25/412.8	18.25/463.6	11.88/301.8	0.38/9.7	7.00/177.8	4	150.00/68.0	AMH8
AJBEW162206	21.50/546.1	27.31/693.7	9.06/230.1	13.00/330.2	19.88/505.0	25.25/641.4	15.50/393.7	16.44/417.6	22.50/571.5	5.75/146.1	1.25/31.8	3.31/84.1	3	130.00/59.0	AMH8
AJBEW162408	21.00/533.4	28.00/711.2	12.13/308.1	N/A	19.75/501.7	N/A	18.38/466.9	16.25/412.8	24.25/616.0	8.25/209.6	1.50/38.1	5.31/134.9	4	180.00/81.6	AMH6
AJBEW162806	20.75/527.1	32.75/831.9	8.63/219.2	13.00/330.2	N/A	30.75/781.1	N/A	16.25/412.8	28.25/717.6	5.75/146.1	1.50/38.1	3.13/79.5	3	150.00/68.0	AMH5
AJBEW181806	23.38/593.9	23.38/593.9	9.94/252.5	13.00/330.2	21.75/552.5	21.75/552.5	13.00/330.2	18.25/463.6	18.25/463.6	5.75/146.1	1.50/38.1	4.13/104.9	3-1/2	188.00/85.3	AMH8

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 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
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 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Catalog Number	Dimensions in Inches/Millimeters												Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	Overall Dimensions			Mounting Dimensions				Inside Dimensions							
	F	E	G	A	AA	B	BB	W	H	Db	Dc	K			
AJBEW181808	23.38/593.9	23.38/593.9	11.94/303.3	13.00/330.2	21.75/552.5	21.75/552.5	13.00/330.2	18.25/463.6	18.25/463.6	7.75/196.9	1.50/38.1	4.50/114.3	4	198.00/89.8	AMH8
AJBEW182408	23.94/608.1	30.00/762.0	12.18/309.4	16.13/409.7	21.75/552.5	27.75/704.9	18.38/466.9	18.25/463.6	24.19/614.4	7.75/196.9	1.50/38.1	5.06/128.5	4	224.00/101.6	AMH8
AJBEW182410	23.94/608.1	30.00/762.0	14.18/360.2	16.13/409.7	21.75/552.5	27.75/704.9	18.38/466.9	18.25/463.6	24.19/614.4	9.75/247.7	1.50/38.1	5.75/146.1	4	235.00/106.6	AMH8
AJBEW183008	22.63/574.8	34.63/879.6	12.13/308.1	N/A	21.75/552.5	N/A	23.00/584.2	18.25/463.6	30.25/768.4	7.75/196.9	1.50/38.1	4.75/120.7	4	265.00/120.2	AMH5
AJBEW183608	23.50/596.9	41.75/1060.5	12.31/312.7	11.00/279.4	21.75/552.5	39.50/1003.3	29.00/736.6	18.25/463.6	36.50/927.1	7.75/196.9	1.50/38.1	4.75/120.7	4	250.00/113.4	AMH8
AJBEW183610	23.50/596.9	41.75/1060.5	14.31/363.5	11.00/279.4	21.75/552.5	39.50/1003.3	29.00/736.6	18.25/463.6	36.50/927.1	9.75/247.7	1.50/38.1	5.50/139.7	4	270.00/122.5	AMH8
AJBEW184207	23.88/606.6	47.88/1216.2	11.88/301.8	16.00/406.4	23.00/584.2	45.38/1152.7	38.38/974.9	18.63/473.2	42.25/1073.2	7.00/177.8	1.50/38.1	5.00/127.0	4	310.00/140.6	AMH8
AJBEW206008	25.00/635.0	65.00/1651.0	12.75/323.9	N/A	23.50/596.9	N/A	50.00/1270.0	20.00/508.0	60.00/1524.0	6.88/174.8	1.50/38.1	4.75/120.7	4	521.00/236.3	AMH5
AJBEW242408	29.38/746.3	29.38/746.3	12.31/312.7	18.38/466.9	28.00/711.2	28.00/711.2	18.38/466.9	24.50/622.3	24.50/622.3	7.75/196.9	1.50/38.1	5.00/127.0	4	225.00/102.1	AMH8
AJBEW242410	29.38/746.3	29.38/746.3	14.31/363.5	18.38/466.9	28.00/711.2	28.00/711.2	18.38/466.9	24.50/622.3	24.50/622.3	9.75/247.7	1.50/38.1	6.13/155.7	4	240.00/108.9	AMH8
AJBEW243008	29.00/736.6	35.00/889.0	13.00/330.2	18.00/457.2	28.00/711.2	34.00/863.6	23.00/584.2	24.00/609.6	30.00/762.0	8.00/203.2	1.94/49.3	5.25/133.4	4	420.00/190.5	AMH8
AJBEW243608	30.75/781.1	43.00/1092.2	13.06/331.7	18.25/463.6	28.00/711.2	40.00/1016.0	29.00/736.6	24.25/616.0	36.25/920.8	7.75/196.9	1.63/41.4	5.13/130.3	4	420.00/190.5	AMH5
AJBEW243610	30.75/781.1	43.00/1092.2	15.06/382.5	18.25/463.6	28.00/711.2	40.00/1016.0	29.00/736.6	24.25/616.0	36.25/920.8	9.75/247.7	1.63/41.4	6.00/152.4	4	450.00/204.1	AMH5
AJBEW303808	36.00/914.4	44.00/1117.6	13.75/349.3	N/A	35.00/889.0	N/A	29.00/736.6	30.00/762.0	38.00/965.2	7.75/196.9	2.00/50.8	6.13/155.7	4	600.00/272.2	AMH6
AJBEW303816	36.00/914.4	44.00/1117.6	20.06/509.5	N/A	35.00/889.0	N/A	29.00/736.6	30.00/762.0	38.00/965.2	15.50/393.7	7.75/196.9	6.13/155.7	4	800.00/362.9	AMH6

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Enclosures and Junction Boxes

AJBEW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Options

Factory-Installed Suffix	Field-Installed Catalog Number	Description
AB	Not Available	Set of 4 standoffs 0.50"/12.7mm high
BR	BRTB4X	Breather, NEMA 4X (includes outlets & installation)
DN	ECD50B4X	Drain, NEMA 4X (includes outlets & installation)
DP1	AWG13/1CT	Desiccate package
EGS	EGSKIT	External grounding stud 3/8"-16
G1	Not Available	Gray powder coat epoxy (outside)
G2	Not Available	Gray powder coat epoxy (inside & outside)
GNDKIT		Internal Ground Stud, #14 - #2
H		Hinges stainless steel
	AHOF12SS	Hinge Kit, 2 light duty SS hinges
	AHOF22SS	Hinge Kit, 2 heavy duty SS hinges
	AHOF23SS	Hinge Kit, 3 heavy duty SS hinges
K	Not Available	Terminal blocks 600 Volt, 30 Amp <i>Indicate number of points: example: 5 points = 5K</i>
NP	Not Available	Plastic nameplate, 2.00 x 4.00" / 50.8 x 101.6 mm, .13"/3.3 mm black letters on white surface, 3 lines max, specify legend.
Q	Not Available	SS captive Quad-Lead bolts
XU	Not Available	ATEX Certification
Z	See table on following page	Mounting pan

Drill and Tap Options

(For drill and tap schedule, Drilling and Tapping Guidelines)

Symbol	Conduit Size (NPT) Inches	Symbol	Conduit Size (NPT) Inches
A	1/2	F	2
B	3/4	G	2-1/2
C	1	H	3
D	1-1/4	J	3-1/2
E	1-1/2	K	4

Blind Tapped Holes	
Suffix	Screw Size
BT1	#6 - 1/4"
BT2	5/16" - 1/2"

Mounting Hardware

Refer to ordering information for Enclosure-Mounting Hardware Correlation.

Factory-Installed Suffix	Field-Installed Catalog Number	Description
MH1	AMH1	1/4" - 20 X 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers
MH2	AMH2	3/8" -16 X 1-1/4" Bolt, 3/8" -16 Hex Nut, 3/8" Washers
MH3	AMH3	7/16" - 14 X 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers
MH4	AMH4	1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH5	AMH5	1/2" - 13 X 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH6	AMH6	5/8" - 11 X 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers
MH7	AMH7	1/2" - 13 X 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH8	AMH8	5/8" - 11 X 1-1/4" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

AJBEW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Mounting Pans

Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Inches/Millimeters	
		W	H
AZ-464	AJBEW040604	3.00/76.2	5.00/127.0
AZ-664	AJBEW060604	4.75/120.7	4.75/120.7
AZ-686	AJBEW060806	4.50/114.3	6.50/165.1
AZ-593	AJBEW050903	4.00/101.6	8.50/215.9
AZ-684	AJBEW060804	4.50/114.3	6.50/165.1
AZ-6104	AJBEW061004	5.00/127.0	10.50/266.7
AZ-6124	AJBEW061204	5.50/139.7	11.00/279.4
AZ-6164	AJBEW061604	5.25/133.4	15.00/381.0
AZ-7116	AJBEW071106	6.50/165.1	10.00/254.0
AZ-886	AJBEW080806	6.50/165.1	6.50/165.1
AZ-8106	AJBEW081006	6.50/165.1	8.50/215.9
AZ-8137	AJBEW081307	6.00/152.4	11.00/279.4
AZ-9115	AJBEW091105	8.25/209.6	10.00/254.0
AZ-9154	AJBEW091504	8.13/206.5	14.75/374.7
AZ-10104/6	AJBEW101006	7.50/190.5	7.50/190.5
AZ-10146/8	AJBEW101408	9.00/228.6	13.00/330.2
AZ-10146/8	AJBEW101408	9.00/228.6	13.00/330.2
AZ-11205	AJBEW112005	10.50/266.7	19.00/482.6
AZ-11246	AJBEW112406	9.88/251.0	23.25/590.6
AZ-11306	AJBEW113006	9.88/251.0	28.50/723.9
AZ-12126/8	AJBEW121206	10.50/266.7	10.50/266.7
AZ-12126/8	AJBEW121208	10.50/266.7	10.50/266.7
AZ-12186/8	AJBEW121806	10.50/266.7	16.50/419.1
AZ-12186/8	AJBEW121808	10.50/266.7	16.50/419.1
AZ-12248/10	AJBEW122408	10.75/273.05	22.63/574.8
AZ-12368	AJBEW123608	10.00/254.0	34.00/863.6
AZ-13386	AJBEW133806	11.50/292.1	36.38/924.1

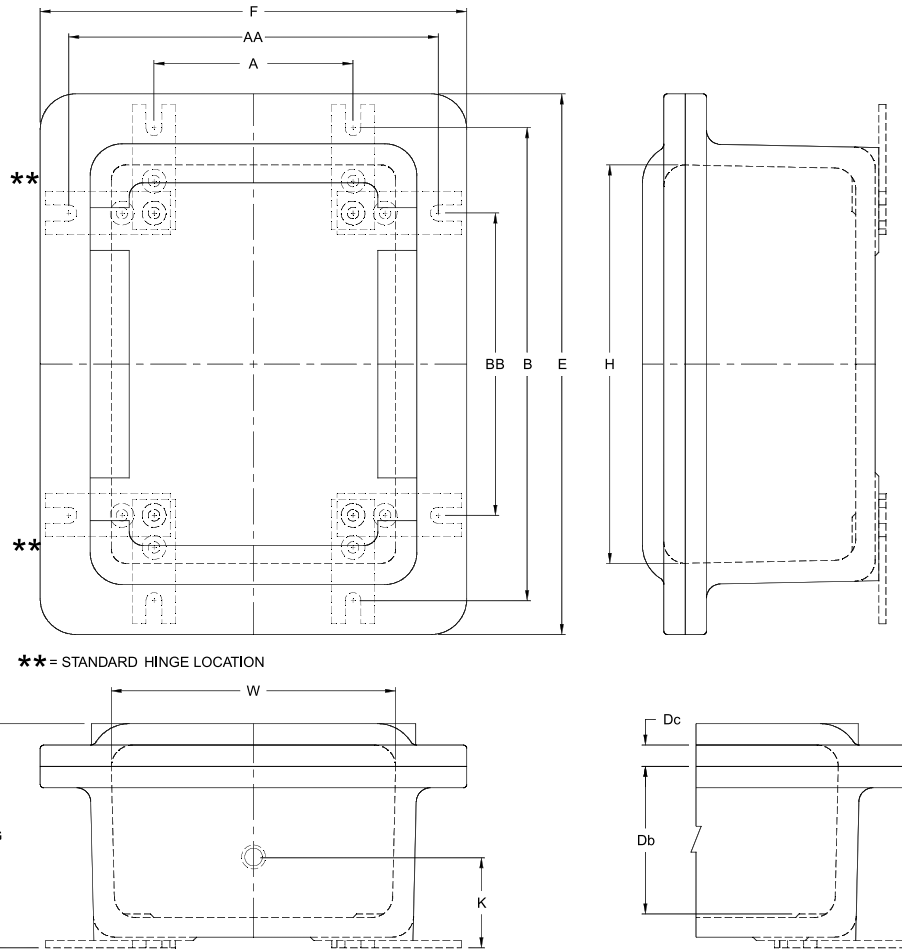
Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Inches/Millimeters	
		W	H
AZ-14146/8	AJBEW141406	12.25/311.2	12.25/311.2
AZ-14146/8	AJBEW141408	12.25/311.2	12.25/311.2
AZ-14248	AJBEW142408	14.00/355.6	22.38/568.5
AZ-15377	AJBEW153707	14.50/368.3	35.50/901.7
AZ-16166/8	AJBEW161606	15.00/381.0	15.00/381.0
AZ-16166/8	AJBEW161608	15.00/381.0	15.00/381.0
AZ-161812	AJBEW161812	15.00/381.0	16.00/406.4
AZ-16226	AJBEW162206	14.00/355.6	20.00/508.0
AZ-16248	AJBEW162408	14.75/374.7	22.75/577.9
AZ-16286	AJBEW162806	14.00/355.6	26.00/660.4
AZ-18186/8	AJBEW181806	16.00/406.4	16.00/406.4
AZ-18186/8	AJBEW181808	16.00/406.4	16.00/406.4
AZ-18248/10	AJBEW182408	16.00/406.4	22.00/558.8
AZ-18248/10	AJBEW182410	16.00/406.4	22.00/558.8
AZ-18308	AJBEW183008	16.00/406.4	28.00/711.2
AZ-18368/10	AJBEW183608	17.00/431.8	34.75/882.7
AZ-18368/10	AJBEW183610	17.00/431.8	34.75/882.7
AZ-18427	AJBEW184207	17.00/431.8	40.00/1016.0
AZ-205610	AJBEW205610	17.00/431.8	54.00/1371.6
AZ-20608	AJBEW206008	18.00/457.2	57.50/1460.5
AZ-24248/10	AJBEW242408	22.00/558.8	22.00/558.8
AZ-24248/10	AJBEW242410	22.00/558.8	22.00/558.8
AZ-24308	AJBEW243008	22.50/571.5	28.00/711.2
AZ-24368/10	AJBEW243608	22.00/558.8	34.00/863.6
AZ-24368/10	AJBEW243610	22.00/558.8	34.00/863.6
AZ-30388	AJBEW303808	28.00/711.2	36.00/914.4
AZ-30388	AJBEW303816	28.00/711.2	36.00/914.4

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

AJBEW Cast Junction Box Dimensions and Drilling and Tapping Guidelines

Explosionproof, Dust-Ignitionproof

Dimensions — See Catalog Number Tables



Drilling and Tapping Guidelines

Conduit Size (NPT)	Minimum Spacing For Conduit Centers in Inches/Millimeters									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	2.13/54.1	2.13/54.1	2.25/57.2	2.63/66.8	2.81/71.4	3.13/79.5	3.63/92.2	4.00/101.6	4.50/114.3	4.50/114.3
3/4	2.13/54.1	2.13/54.1	2.25/57.2	2.63/66.8	2.81/71.4	3.13/79.5	3.63/92.2	4.00/101.6	4.50/114.3	4.50/114.3
1	2.25/57.2	2.25/57.2	2.38/60.5	2.81/71.4	3.00/76.2	3.25/82.6	3.75/95.3	4.13/104.9	4.50/114.3	4.63/117.6
1-1/4	2.63/66.8	2.63/66.8	2.81/71.4	3.13/79.5	3.31/84.1	3.63/92.2	4.13/104.9	4.50/114.3	4.75/120.7	5.00/127.0
1-1/2	2.81/71.4	2.81/71.4	3.00/76.2	3.31/84.1	3.50/88.9	3.81/96.8	4.31/109.5	4.63/117.6	4.94/125.5	5.25/133.4
2	3.13/79.5	3.13/79.5	3.25/82.6	3.63/92.2	3.81/96.8	4.13/104.9	4.63/117.6	5.00/127.0	5.83/148.1	5.75/146.1
2-1/2	3.63/92.2	3.63/92.2	3.75/95.3	4.13/104.9	4.31/109.5	4.63/117.6	5.13/130.3	3.31/84.1	5.75/146.1	6.13/155.7
3	4.00/101.6	4.00/101.6	4.13/104.9	4.50/114.3	4.63/117.6	5.00/127.0	3.31/84.1	5.75/146.1	6.00/152.4	6.25/158.8
3-1/2	4.50/114.3	4.50/114.3	4.50/114.3	4.75/120.7	4.94/125.5	5.38/136.7	5.75/146.1	6.00/152.4	6.25/158.8	6.50/165.1
4	4.50/114.3	4.50/114.3	4.63/117.6	5.00/127.0	5.25/133.4	5.75/146.1	6.13/155.7	6.25/158.8	6.50/165.1	6.75/171.5