



Junction boxes JB Carbon steel



The JB enclosure offers protection for dense wiring and sensitive small instruments. These hinged cover junction boxes combine the advantages of the AE and KL series at an economical cost. Features include 180 degree hinge and slotted insert quarter turn latch. Foamed-in-place gasket and a knife-edge perimeter add extra protection.

For more details on the JB series of enclosures, contact Chess Controls at 705 682 2828

JB Junction Box Enclosures

Configuration:

One-piece welded cold-rolled steel body
 Left-hand hinged door
 Single quarter-turn latch with screwdriver insert
 Foamed-in-place gasket
 Wallmounting holes (carbon steel versions) and blind riv-nuts (stainless steel versions)
Note: Zinc-plated mounting panel included.

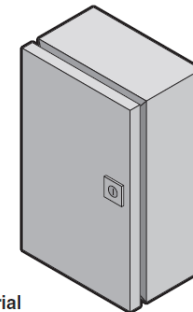
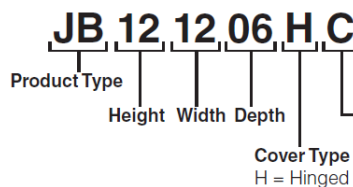
Material:

Housing and door (carbon steel):
 Dip-coat primed, powder-coated
 RAL 7035 light gray, 16 ga (1.5 mm)
 Housing and door (stainless steel):
 Stainless Steel, 16 ga (1.5 mm), #4 Brushed Finish

Protection Ratings:

UL/cUL Type 1, 3R, 12, 4 (4X stainless steel)
 UL File Number E170282

Understanding the Part Number:



Material
 C = Carbon Steel
 4 = Stainless Steel 304
 6 = Stainless Steel 316

JB Junction Box Enclosures—Carbon Steel (mounting panel included)

Part No.	Description	No. of Door(s)	H		W		D		Panel H		Panel W	
			in	mm	in	mm	in	mm	in	mm	in	mm
JB040403HC*	JB 4x4x3 Hinge Cover Carbon Steel	1	4	100	4	100	3	75	—	—	—	—
JB060403HC	JB 6x4x3 Hinge Cover Carbon Steel	1	6	150	4	100	3	75	5	135	3	75
JB060404HC	JB 6x4x4 Hinge Cover Carbon Steel	1	6	150	4	100	4	100	5	135	3	75
JB060604HC	JB 6x6x4 Hinge Cover Carbon Steel	1	6	150	6	150	4	100	5	135	5	125
JB080604HC	JB 8x6x4 Hinge Cover Carbon Steel	1	8	200	6	150	4	100	7	185	5	125
JB080804HC	JB 8x8x4 Hinge Cover Carbon Steel	1	8	200	8	200	4	100	7	185	7	175
JB100804HC	JB 10x8x4 Hinge Cover Carbon Steel	1	10	250	8	200	4	100	9	235	7	175
JB120604HC	JB 12x6x4 Hinge Cover Carbon Steel	1	12	300	6	150	4	100	11	285	5	125
JB121005HC	JB 12x10x5 Hinge Cover Carbon Steel	1	12	300	10	250	5	125	11	285	9	225
JB080606HC	JB 8x6x6 Hinge Cover Carbon Steel	1	8	200	6	150	6	150	7	185	5	125
JB100806HC	JB 10x8x6 Hinge Cover Carbon Steel	1	10	250	8	200	6	150	9	235	7	175
JB101006HC	JB 10x10x6 Hinge Cover Carbon Steel	1	10	250	10	250	6	150	9	235	9	225
JB121006HC	JB 12x10x6 Hinge Cover Carbon Steel	1	12	300	10	250	6	150	11	285	9	225
JB121206HC	JB 12x12x6 Hinge Cover Carbon Steel	1	12	300	12	300	6	150	11	285	11	275
JB141206HC	JB 14x12x6 Hinge Cover Carbon Steel	1	14	350	12	300	6	150	13	335	11	275
JB161406HC	JB 16x14x6 Hinge Cover Carbon Steel	1	16	400	14	350	6	150	15	385	13	325
JB121008HC	JB 12x10x8 Hinge Cover Carbon Steel	1	12	300	10	250	8	200	11	285	9	225
JB161408HC	JB 16x14x8 Hinge Cover Carbon Steel	1	16	400	14	350	8	200	15	385	13	325
JB161410HC	JB 16x14x10 Hinge Cover Carbon Steel	1	16	400	14	350	10	250	15	385	13	325

*Without Mounting Panel

JB Junction Box Enclosures—Type 304 Stainless Steel (mounting panel included)

Part No.	Description	No. of Door(s)	H		W		D		Panel H		Panel W	
			in	mm	in	mm	in	mm	in	mm	in	mm
JB040403H4*	JB 4x4x3 Hinge Cover Type 304	1	4	100	4	100	3	75	—	—	—	—
JB060403H4	JB 6x4x3 Hinge Cover Type 304	1	6	150	4	100	3	75	5	135	3	75
JB060404H4	JB 6x4x4 Hinge Cover Type 304	1	6	150	4	100	4	100	5	135	3	75
JB060604H4	JB 6x6x4 Hinge Cover Type 304	1	6	150	6	150	4	100	5	135	5	125
JB080604H4	JB 8x6x4 Hinge Cover Type 304	1	8	200	6	150	4	100	7	185	5	125
JB080804H4	JB 8x8x4 Hinge Cover Type 304	1	8	200	8	200	4	100	7	185	7	175
JB100804H4	JB 10x8x4 Hinge Cover Type 304	1	10	250	8	200	4	100	9	235	7	175
JB120604H4	JB 12x6x4 Hinge Cover Type 304	1	12	300	6	150	4	100	11	285	5	125
JB121005H4	JB 12x10x5 Hinge Cover Type 304	1	12	300	10	250	5	125	11	285	9	225
JB080606H4	JB 8x6x6 Hinge Cover Type 304	1	8	200	6	150	6	150	7	185	5	125
JB100806H4	JB 10x8x6 Hinge Cover Type 304	1	10	250	8	200	6	150	9	235	7	175
JB101006H4	JB 10x10x6 Hinge Cover Type 304	1	10	250	10	250	6	150	9	235	9	225
JB121006H4	JB 12x10x6 Hinge Cover Type 304	1	12	300	10	250	6	150	11	285	9	225
JB121206H4	JB 12x12x6 Hinge Cover Type 304	1	12	300	12	300	6	150	11	285	11	275
JB141206H4	JB 14x12x6 Hinge Cover Type 304	1	14	350	12	300	6	150	13	335	11	275
JB161406H4	JB 16x14x6 Hinge Cover Type 304	1	16	400	14	350	6	150	15	385	13	325
JB121008H4	JB 12x10x8 Hinge Cover Type 304	1	12	300	10	250	8	200	11	285	9	225
JB161408H4	JB 16x14x8 Hinge Cover Type 304	1	16	400	14	350	8	200	15	385	13	325
JB161410H4	JB 16x14x10 Hinge Cover Type 304	1	16	400	14	350	10	250	15	385	13	325

*Without Mounting Panel

JB Junction Box Enclosures—Type 316L Stainless Steel (mounting panel included)

Part No.	Description	No. of Door(s)	H		W		D		Panel H		Panel W	
			in	mm	in	mm	in	mm	in	mm	in	mm
JB040403H6*	JB 4x4x3 Hinge Cover Type 316L	1	4	100	4	100	3	75	—	—	—	—
JB060403H6	JB 6x4x3 Hinge Cover Type 316L	1	6	150	4	100	3	75	5	135	3	75
JB060404H6	JB 6x4x4 Hinge Cover Type 316L	1	6	150	4	100	4	100	5	135	3	75
JB060604H6	JB 6x6x4 Hinge Cover Type 316L	1	6	150	6	150	4	100	5	135	5	125
JB080604H6	JB 8x6x4 Hinge Cover Type 316L	1	8	200	6	150	4	100	7	185	5	125
JB080804H6	JB 8x8x4 Hinge Cover Type 316L	1	8	200	8	200	4	100	7	185	7	175
JB100804H6	JB 10x8x4 Hinge Cover Type 316L	1	10	250	8	200	4	100	9	235	7	175
JB120604H6	JB 12x6x4 Hinge Cover Type 316L	1	12	300	6	150	4	100	11	285	5	125
JB121005H6	JB 12x10x5 Hinge Cover Type 316L	1	12	300	10	250	5	125	11	285	9	225
JB080606H6	JB 8x6x6 Hinge Cover Type 316L	1	8	200	6	150	6	150	7	185	5	125
JB100806H6	JB 10x8x6 Hinge Cover Type 316L	1	10	250	8	200	6	150	9	235	7	175
JB101006H6	JB 10x10x6 Hinge Cover Type 316L	1	10	250	10	250	6	150	9	235	9	225
JB121006H6	JB 12x10x6 Hinge Cover Type 316L	1	12	300	10	250	6	150	11	285	9	225
JB121206H6	JB 12x12x6 Hinge Cover Type 316L	1	12	300	12	300	6	150	11	285	11	275
JB141206H6	JB 14x12x6 Hinge Cover Type 316L	1	14	350	12	300	6	150	13	335	11	275
JB161406H6	JB 16x14x6 Hinge Cover Type 316L	1	16	400	14	350	6	150	15	385	13	325
JB121008H6	JB 12x10x8 Hinge Cover Type 316L	1	12	300	10	250	8	200	11	285	9	225
JB161408H6	JB 16x14x8 Hinge Cover Type 316L	1	16	400	14	350	8	200	15	385	13	325
JB161410H6	JB 16x14x10 Hinge Cover Type 316L	1	16	400	14	350	10	250	15	385	13	325

*Without Mounting Panel

Wallmount Brackets

Material	Wall clearance inches (mm)	PU	Part No.	JB	WM
Tab-style, brass Nickel-plated	0.3 (8)	4	1580.000	■	—
Tab-style, sheet steel Zinc-plated, passivated	0.3 (8)	4	1590.000	■	—
Tab-style, Type 304 Stainless Steel	0.3 (8)	4	1594.000	■	—

Window Kits

Window Height in inches (mm)	Window Width in inches (mm)	Frame Height in inches (mm)	Frame Width in inches (mm)	Part No. Carbon Steel	Part No. Type 304 Stainless Steel	Part No. Type 316L Stainless Steel	JB	WM
5 (127)	3 (76)	8 (191)	6 (140)	WK0503C	WK05034	WK05036	■	■
9 (229)	6 (140)	12 (292)	8 (203)	WK0905C	WK09054	WK09056	■	■

Handles, Inserts & Padlock Accessories

Description	PU	Part No.	JB	WM
Thumb-Turn Handles				
Key-locking - RAL 9011 (graphite black) - for use on carbon steel enclosures	1	2576.000	■	■
Key-locking - RAL 7030 (stone gray) - for use on carbon steel enclosures	1	2439.000	■	■
Non-locking insert - RAL 9011 (graphite black) - for use on carbon steel enclosures	1	2533.000	■	■
Thumb-turn handle, Type 316L stainless steel, padlockable	1	WMQTPLS6	■	■
Thumb-turn handle, Type 316L stainless steel, key lockable	1	WMQTKLS6	■	■
T-Handles				
Key-locking - for use on carbon steel enclosures	1	2575.000	■	■
Non-locking - for use on carbon steel enclosures	1	2572.000	■	■

Grounding Straps

Connection	Cross Section AWG	Length in inches (mm)	PU	Part No.	JB	WM
M6 – M8	8	12 (300)	5	2565.110	■	■

Support Rails—TS 35/7.5 and TS 35/15

For enclosure width in inches (mm)	Support rails length in inches (mm)	Description	PU	Part No.	JB	WM
6 (150)	5 (137)	TS 35/7.5	10	2314.000	■	■
8 (200)	7 (187)		10	2315.000	■	■
12 (300)	11 (287)		10	2316.000	■	■

Rails for Interior Installation

Enclosure Depth in inches (mm)	PU	Part No. Carbon Steel	JB	WM
8 (210)	4	2383.210	–	■
10 (250)	4	2383.250	■	■

– Product description

Material:	Housing and door: Carbon steel, all-round foamed-in PU seal
Surface finish:	Housing and door: Dipcoat primed, powder-coated on the outside, textured paint
Color:	RAL 7035
Protection category IP to IEC 60 529:	IP 66
Protection category NEMA:	NEMA 4
Supply includes:	180° hinge Housing with door Mounting plate
Material thickness:::	Housing: 1.5 mm (0.06 ") Door: 1.5 mm (0.06 ") Mounting plate: 1.5 mm (0.06 ")
Door catch:	left
Packaging unit:	1 pc(s).

For more details on the JB series of enclosures, contact Chess Controls at 705 682 2828.