



Cast Junction Box and Conduit Fitting Catalog

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Local Representative

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Junction Box Cross Reference Chart

Spring City (JB)	Cooper/Crouse Hinds	OZ Gedney	Appleton
S	WAB	YS	WYS
OC	WCB	YL	WYL
FF	WJB	YF	WYF
HF	-----	-----	-----
HC	-----	YW	WYW
IR	WEB	YU	WYU
ER	WJBF	YR	WYR
SW	-----	YT	WYT
TC	-----	YC	WYC
DH	-----	YG	-----

NEMA CLASSIFICATIONS

Spring City Enclosure Designations	NEMA CLASSIFICATIONS						
	Type 1 Type 2	Type 3 Type 3r Type 3S	Type 4 Type 4X	Type 6	Type 6P	Type 9 Class II Group E, F + G	Type 12 Type 13
S & S-A PAGE 3	X	X	X				X
OC & OC-A PAGE 5	X	X	X				X
ER & ER-A PAGE 6	X	X	X				X
FF & FF-A PAGE 7	X	X	X	X			X
IR & IR-A PAGE 8	X	X	X				X
HC & HC-A PAGE 9	X	X	X				X
HF & HF-A PAGE 11	X	X	X	X	WHEN SPECIFIED		X
SW PAGE 12	X						
TC PAGE 13	X						X
DH & DH-A PAGE 14	X	X	X			X	X

Ordering Instructions Page 15-18

Type 1- GENERAL PURPOSE- INDOOR- “Enclosures constructed for indoor use to provide a degree of protection to personnel against access to hazardous parts and to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt).

Type 2- DRIPPROOF- INDOOR- Enclosures constructed for indoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (dripping and light splashing).

Type 3- DUSTTIGHT, RAINLIGHT AND SLEET-RESISTANT (ICE RESISTANT)- OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow); and that will be undamaged by the external formation of ice on the enclosure.

Type 3R- RAINPROOF AND SLEET-RESISTANT (ICE RESISTANT)- OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow); and that will be undamaged by the external formation of ice on the enclosure.

Type 3S- DUSTTIGHT, RAINLIGHT AND SLEET-PROOF (ICEPROOF)- OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow); and for which the external mechanism(s) remain operable when ice laden.

Type 4- WATERTIGHT AND DUSTTIGHT- INDOOR AND OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); and that will be undamaged by the external formation of ice on the enclosure.

Type 4X-WATERTIGHT, DUSTTIGHT AND CORROSION-RESISTANT- INDOOR AND OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); that provides an increased level of protection against corrosion; and that will be undamaged by the external formation of ice on the enclosure.

Type 5- DUSTTIGHT- INDOOR- Enclosures constructed for indoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and settling airborne dust, lint, fibers and flyings); and to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (dripping and light splashing).

Type 6- SUBMERSIBLE, WATERTIGHT, DUSTTIGHT AND SLEET RESISTANT (ICE RESISTANT)- INDOOR AND OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (hose directed water and the entry of water during occasional temporary submersion at a limited depth); and that will be undamaged by the external formation of ice on the enclosure.

Type 6P- SUBMERSIBLE, WATERTIGHT, DUSTTIGHT AND SLEET RESISTANT (ICE RESISTANT)- INDOOR AND OUTDOOR- Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (hose directed water and the entry of water during prolonged submersion at a limited depth); that provides an increased level of protection against corrosion and that will be undamaged by the external formation of ice on the enclosure.

Type 9- CLASS II, GROUPS E AND G HAZARDOUS LOCATIONS – INDOOR- Meet the application requirements of the National Electric Code of Class II, Groups E, F and G hazardous dust locations. Designed in accordance with UL standard 698. These enclosures shall prevent the ingress of explosive amounts of hazardous dust.

Type 12- INDUSTRIAL USE- DUSTTIGHT AND DRIPTIGHT- INDOOR- Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and circulating dust, lint, fibers, and flyings); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (dripping and light splashing) and to provide a degree of protection against light splashing and seepage of oil and non-corrosive coolants.

Type 13- OILTIGHT AND DUSTTIGHT- INDOOR- Enclosures constructed for indoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and circulating dust, lint, fibers, and flyings); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (dripping and light splashing) and to provide a degree of protection against the spraying, splashing, and seepage of oil and non-corrosive coolants.”¹

¹National Electrical Manufacturers Association, NEMA 250 Enclosures for Electrical Equipment (1000 Volts Maximum) (NEMA, 2008) 6-8.

GENERAL INFORMATION - BOXES

ADVANTAGES OF CAST ENCLOSURES: (1) Their one-piece construction during the casting process eliminates possible openings that can occur in the welded seams of fabricated (sheet metal) boxes; (2) Thicker walls provide greater mechanical strength and make the cast enclosure suitable for field drilling; (3) Metals used in the casting process are inherently more corrosion-resistant than the sheet steel used in most sheet metal enclosures.

CAST METALS USED: Engineers have generally recognized the superiority of cast iron for use in electrical systems where long life is required under corrosive conditions. Cast iron surfaces are protected by a natural oxide coating which prevents further oxidation and are additionally protected in SPRING CITY's products by a hot-dip galvanized finish, conforming to ASTM designations A123-84, A153-82 Class A, and to NEMA requirements for corrosion resistance. The galvanized finish is not only attractive but requires no periodic recoating. SPRING CITY's boxes are manufactured of gray iron castings which conform with the ASTM designation, A48-83, Class 25. The castings are close grain gray iron and are easily machinable, permitting hole cutting and sharp threading in shop and field. Cast aluminum boxes are used for their lighter weight, and their non-rusting, non-sparking and non-magnetic qualities. The aluminum is copper free (contains a maximum of .4 of 1% copper.) Unless suitably coated, the aluminum units are subject to corrosion under certain alkali conditions such as a flush installation in concrete. Ductile iron covers which conform to ASTM designation A536-84, Grade 65-45-12 are furnished for certain flush boxes to meet heavy vehicular load conditions.

TYPES OF ENCLOSURES

Dust-Tight- A suitable gasket will prevent the entry of any dust. All products listed herein are Dust-Tight.

Weatherproof- These enclosures are designed to provide proper protection against weather hazards during outdoor use under normal conditions. The tight gaskets will prevent the entry of dust, rain, snow and sleet under normal climatic conditions. For protection against the entry of water under severe weather conditions, Watertight or Raintight enclosures are recommended.

Raintight- Water will be excluded when subjected to a beating rain, in accordance with a UL-designed test.

Watertight- Water will be excluded when subjected to a stream of water from a hose with a one-inch nozzle delivering at least 65 gallons per minute from a distance of 10' to 12' for five minutes.

Submersible- Water will be excluded when enclosure is submerged under 6' for a period of 30 minutes. Conduit connections in these enclosures should be made with pipe-thread sealing compound, with the sealant made of material that will not interrupt the grounding continuity of the conduit run.

Dust Hazard- Type DH boxes are designed to meet the application requirements of the National Electric Code 500.5-05 of Class II, Group E, F and G Hazardous Locations and to conform with current UL requirements.

CONDUIT ENTRANCES

Slip Holes- These conduit clearance holes are drilled without any threads being provided. Locknuts and bushings are the usual means of fastening conduits in slip holes with lead washers used occasionally under the locknut to provide a weatherproof enclosure. Conduit locations must provide for standard locknut and bushing spaces.

Drilled and Tapped Holes- The number of threads depend on the wall thickness of the box which should be compared with the thread chart on page 16 to determine whether the required threads can be provided. For non-hazardous areas, UL requires 1/4" wall thickness at tapped conduit holes and not less than 3 threads. Type DH boxes require 3 1/2 full threads. If the thread chart indicates that the required number of threads cannot be provided in the box wall thickness, bosses (or pads) should be specified. These bosses, which are normally cast integral with the box, will be sufficiently thick to provide a minimum of five full threads. Threads are standard ASA B2.1 NPT (National Pipe Taper.) Tapped conduit entrances are required to maintain watertightness, raintightness or submersibility.

SPECIAL EQUIPMENT

Covers- Many special types are available, including plain or checkered steel, aluminum, brass and two piece covers. Special cast-on or engraved lettering can be added.

Gaskets- Some gasket materials specified are:

1. Neoprene - resistant to oils, acids, abrasion, aging and oxidation.
2. Neoprene and wire mesh combined - for EMI (Electro-Magnetic Interference) and RFI (radio Frequency Interference) shielding.
3. Vellumoid (trade name) - resistant to oils and fats.

Cover Screws- Stainless steel screws are standard, but brass, bronze, monel metal and tamperproof screws are available. Cover screw holes of the most

popular boxes are machined with jigs; less popular sizes have covers and boxes that are match-machined.

Finish- Hot Dip Galvanizing of cast iron is standard. Paint, cold galvanizing and plastic coating are also available.

Mounting Lugs- Mounting lugs are standard on surface mounted boxes above 100 cubic inch. They are available on other boxes for an additional charge.

Interior mounting buttons- small round bosses which are cast integral with the inside back of a box. They contain drilled and tapped blind holes and provide an air space under electrical devices mounted on them. Mounting buttons for mounting equipment off the back of the box are usually 1/2" height by 1" diameter and blind tapped for 1/4" -20, other sizes available upon request. It is sometimes desired to locate the equipment on a mounting plate instead of directly on the mounting buttons. Mounting plates should be ordered based on the box size that they are mounted in. Pricing includes: mounting plate, mounting buttons and installation screws.

MINIMUM BOX SIZES

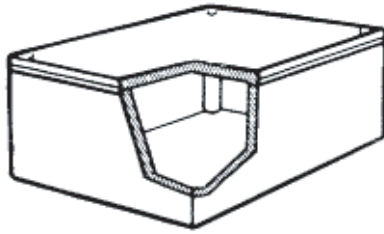
For complete wording of requirements for minimum sizes of junction and pull boxes, see National Electric Code paragraphs 370-18(a) and 370-51. For a 3/4" conduit size or larger containing No. 4 or larger conductors, in straight pulls the box length shall not be less than eight times the trade diameter of the largest conduit entrance. Where angle or U pulls are made, the distance between each conduit entrance inside the box and the opposite wall of the box shall not be less than 6 times the trade diameter of the largest conduit. This distance is increased for additional conduit entrances by the amount of the sum of the trade diameters of all other conduit entries on the same box wall. The distance between conduit entrances enclosing the same conductor shall not be less than 6 times the trade diameter of the larger conduit entrance. Exception: Where a conduit entrance is in the back of a box opposite to a cover and where the distance from that wall to the cover conforms with the column for one wire per terminal in Table 373-6(a) in the Code. Smaller size boxes are permitted where there is less than the maximum conduit fill of conductors permitted by Table 1, Chapter 9 provided the box is permanently marked with maximum number and size of conductors permitted.

PRICES, DIMENSIONS & CONDITIONS

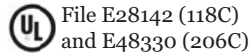
Firm price quotations for extended time periods are available upon application and cover both standard and special enclosures. The dimensions of all enclosures listed herein are always nominal inside dimensions given in the order of length by width by depth (L x W x D.) The dimensions and weights may vary within normal foundry tolerances. Wall thicknesses of most boxes are measured 2" up from inside back of box. Depths may be decreased by up to 3/8" because of ribs cast on underside of some covers. Dimensions, weights and other data in this catalog are for general information only and are subjected to change without notice. All quotations and bids, and the acceptance of all contracts and orders, are subject to final approval at the home office of Spring City Electrical Mfg. Co, at Spring City, PA.

UNFLANGED JUNCTION BOXES

RAINTIGHT (UL LISTED) - WATERTIGHT (NEMA 4)*
Other Applicable NEMA Ratings- See page 1



Type S boxes are considered the standard of junction boxes and are the most widely used type.



Standard Construction:

1. Cast iron or cast aluminum box and steel or aluminum plate cover
2. Hot-dip galvanized finish- cast iron
3. Neoprene gasket
4. Stainless steel cover screws
5. Mounting lugs are standard on boxes over 100 cubic inches internal volume and optional on boxes 100 cubic inches or less

At Additional Cost:

(See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Interior mounting buttons, blind tapped
4. Mounting plate

For ordering instructions, see pages 15 - 18

CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
S 040402	S 040402 -A	4 x 4 x 2	5/32	4
S 040403	S 040403 -A	4 x 4 x 3	3/16	5
S 040404	S 040404 -A	4 x 4 x 4	1/4	7
S 050503	S 050503 -A	5 x 5 x 3	1/4	8
S 050504	S 050504 -A	5 x 5 x 4	1/4	9
S 060403	S 060403 -A	6 x 4 x 3	1/4	8
S 060404	S 060404 -A	6 x 4 x 4	7/23	10
S 060602	S 060602 -A	6 x 6 x 2	7/23	7
S 060603	S 060603 -A	6 x 6 x 3	1/4	10
S 060604	S 060604 -A	6 x 6 x 4	3/16	12
S 060605	S 060605 -A	6 x 6 x 5	1/4	14
S 060606	S 060606 -A	6 x 6 x 6	9/32	18
S 070503	S 070503 -A	7 x 5 x 3	3/16	8
S 070605	S 070605 -A	7 x 5 1/2 x 4 1/2	1/4	15
S 080403	S 080403 -A	8 x 4 x 3	5/16	9
S 080404	S 080404 -A	8 x 4 x 4	5/16	12
S 080603	S 080603 -A	8 x 6 x 3	1/4	12
S 080604	S 080604 -A	8 x 6 x 4	7/32	14
S 080605	S 080605 -A	8 x 6 x 5	5/16	16
S 080606	S 080606 -A	8 x 6 x 6	5/16	20
S 080803	S 080803 -A	8 x 8 x 3	5/16	17
S 080804	S 080804 -A	8 x 8 x 4	5/16	18
S 080805	S 080805 -A	8 x 8 x 5	1/4	22
S 080806	S 080806 -A	8 x 8 x 6	5/16	28
S 080808	S 080808 -A	8 x 8 x 8	5/16	33
S 090603	S 090603 -A	9 x 6 x 3	3/16	13
S 090604	S 090604 -A	9 x 6 x 4	5/16	15
S 100403	S 100403 -A	10 x 4 x 3	3/16	11
S 100406	S 100406 -A	10 x 4 x 6	1/4	20
S 100504	S 100504 -A	10 x 5 x 4	7/32	16
S 100604	S 100605 -A	10 x 6 x 4	1/4	20
S 100605	S 100605 -A	10 x 6 x 5	1/4	21
S 100606	S 100606 -A	10 x 6 x 6	1/4	23
S 100804	S 100804 -A	10 x 8 x 4	1/4	23
S 100805	S 100805 -A	10 x 8 x 5	1/4	28
S 100806	S 100806 -A	10 x 8 x 6	9/32	30
S 100808	S 100808 -A	10 x 8 x 8	5/16	40
S 101003	S 101003 -A	10 x 10 x 3	9/32	22
S 101004	S 101004 -A	10 x 10 x 4	9/32	26

CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
S 101005	S 101005 -A	10 x 10 x 5	1/4	29
S 101006	S 101006 -A	10 x 10 x 6	1/4	35
S 101008	S 101008 -A	10 x 10 x 8	1/4	41
S 120403	S 120403 -A	12 x 4 x 3	3/16	14
S 120404	S 120404 -A	12 x 4 x 4	9/32	18
S 120604	S 120604 -A	12 x 6 x 4	9/32	22
S 120606	S 120606 -A	12 x 6 x 6	9/32	29
S 120804	S 120804 -A	12 x 8 x 4	9/32	28
S 120806	S 120806 -A	12 x 8 x 6	3/8	38
S 120808	S 120808 -A	12 x 8 x 8	3/8	46
S 121004	S 121004 -A	12 x 10 x 4	9/32	35
S 121005	S 121005 -A	12 x 10 x 5	1/4	37
S 121006	S 121006 -A	12 x 10 x 6	9/32	42
S 121008	S 121008 -A	12 x 10 x 8	5/16	52
S 121203	S 121203 -A	12 x 12 x 3	3/16	30
S 121204	S 121204 -A	12 x 12 x 4	9/32	35
S 121206	S 121206 -A	12 x 12 x 6	9/32	50
S 121208	S 121208 -A	12 x 12 x 8	9/32	53
S 121210	S 121210 -A	12 x 12 x 10	3/8	77
S 121212	S 121212 -A	12 x 12 x 12	3/8	87
S 121218	S 121218 -A	12 x 12 x 18	3/8	130
S 140804	S 140804 -A	14 x 8 x 4	9/32	30
S 140806	S 140806 -A	14 x 8 x 6	9/32	38
S 141006	S 141006 -A	14 x 10 x 6	9/32	49
S 141008	S 141008 -A	14 x 10 x 8	5/16	62
S 141206	S 141206 -A	14 x 12 x 6	9/32	65
S 141406	S 141406 -A	14 x 14 x 6	5/16	70
S 141408	S 141408 -A	14 x 14 x 8	5/16	80
S 141410	S 141410 -A	14 x 14 x 10	11/32	95
S 150604	S 150604 -A	15 x 6 x 4	1/4	30
S 150808	S 150808 -A	15 x 8 x 8	5/16	58
S 150904	S 150904 -A	15 x 9 x 4	1/4	29
S 150906	S 150906 -A	15 x 9 x 6	9/32	45
S 150909	S 150909 -A	15 x 9 x 9	9/32	66
S 151506	S 151506 -A	15 x 15 x 6	9/32	70
S 151512	S 151512 -A	15 x 15 x 12	11/32	122
S 160404	S 160404 -A	16 x 4 x 4	1/4	23
S 160604	S 160604 -A	16 x 6 x 4	1/4	29
S 160606	S 160606 -A	16 x 6 x 6	1/4	37

*NEMA 4 Rating applicable up to 18" x 18" x 12" size. Larger sizes - use Type OC boxes.

UNFLANGED JUNCTION BOXES

TYPE S - cast iron

TYPE S-A - cast aluminum

For surface mounting

For ordering instructions, see pages 15-18

CATALOG NUMBER		INSIDE DIMENSIONS	APRX. WALL	APRX.
IRON	ALUMINUM	INCHES LxWxH	THICK INCHES	WT. LBS. IRON
S 161005	S 161005 -A	16 x 10 x 5	1/4	52
S 161006	S 161006 -A	16 x 10 x 6	9/32	55
S 161008	S 161008 -A	16 x 10 x 8	5/16	62
S 161204	S 161204 -A	16 x 12 x 4	5/16	52
S 161206	S 161206 -A	16 x 12 x 6	5/16	60
S 161208	S 161208 -A	16 x 12 x 8	5/16	77
S 161606	S 161606 -A	16 x 16 x 6	9/32	80
S 161612	S 161612 -A	16 x 16 x 12	11/32	140
S 161616	S 161616 -A	16 x 16 x 16	11/32	170
S 180604	S 180604 -A	18 x 6 x 4	1/4	33
S 180606	S 180606 -A	18 x 6 x 6	5/16	50
S 180806	S 180806 -A	18 x 8 x 6	9/32	52
S 180808	S 180808 -A	18 x 8 x 8	5/16	56
S 181204	S 181204 -A	18 x 12 x 4	1/4	57
S 181206	S 181206 -A	18 x 12 x 6	5/16	68
S 181208	S 181208 -A	18 x 12 x 8	5/16	85
S 181210	S 181210 -A	18 x 12 x 10	3/8	100
S 181212	S 181212 -A	18 x 12 x 12	7/16	122
S 181218	S 181218 -A	18 x 12 x 18	3/8	160
S 181406	S 181406 -A	18 x 14 x 6	9/32	85
S 181408	S 181408 -A	18 x 14 x 8	5/16	90
S 181606	S 181606 -A	18 x 16 x 6	9/32	90
S 181608	S 181608 -A	18 x 16 x 8	5/16	96
S 181806	S 181806 -A	18 x 18 x 6	3/8	110
S 181808	S 181808 -A	18 x 18 x 8	3/8	115
S 181810	S 181810 -A	18 x 18 x 10	3/8	140
S 181812	S 181812 -A	18 x 18 x 12	7/16	151
S 201006	S 201006 -A	20 x 10 x 6	3/8	65
S 201008	S 201008 -A	20 x 10 x 8	3/8	85
S 201616	S 201616 -A	20 x 16 x 16	3/8	210
S 202006	S 202006 -A	20 x 20 x 6	3/8	140
S 202008	S 202008 -A	20 x 20 x 8	3/8	150
S 240604	S 240604 -A	24 x 6 x 4	5/16	52
S 240806	S 240806 -A	24 x 8 x 6	5/16	80
S 240808	S 240808 -A	24 x 8 x 8	11/32	90
S 240810	S 240810 -A	24 x 8 x 10	11/32	104
S 241204	S 241204 -A	24 x 12 x 4	5/16	90
S 241206	S 241206 -A	24 x 12 x 6	5/16	100
S 241208	S 241208 -A	24 x 12 x 8	11/32	110
S 241210	S 241210 -A	24 x 12 x 10	3/8	123
S 241212	S 241212 -A	24 x 12 x 12	7/16	135
S 241606	S 241606 -A	24 x 16 x 6	9/32	130
S 241608	S 241608 -A	24 x 16 x 8	11/32	140
S 241806	S 241806 -A	24 x 18 x 6	11/32	135
S 241808	S 241808 -A	24 x 18 x 8	11/32	150
S 241810	S 241810 -A	24 x 18 x 10	3/8	185
S 241812	S 241812 -A	24 x 18 x 12	7/16	205
S 242006	S 242006 -A	24 x 20 x 6	5/16	160

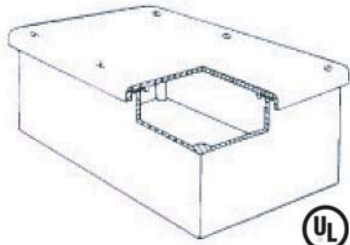
CATALOG NUMBER		INSIDE DIMENSIONS	APRX. WALL	APRX.
IRON	ALUMINUM	INCHES LxWxH	THICK INCHES	WT. LBS. IRON
S 242008	S 242008 -A	24 x 20 x 8	11/32	174
S 242406	S 242406 -A	24 x 24 x 6	11/32	170
S 242408	S 242408 -A	24 x 24 x 8	11/32	200
S 242410	S 242410 -A	24 x 24 x 10	3/8	230
S 242412	S 242412 -A	24 x 24 x 12	7/16	270
S 242416	S 242416 -A	24 x 24 x 16	1/2	355
S 281206	S 281206 -A	28 x 12 x 6	5/16	118
S 281208	S 281208 -A	28 x 12 x 8	3/8	128
S 281212	S 281212 -A	28 x 12 x 12	7/16	165
S 300806	S 300806 -A	30 x 8 x 6	9/32	100
S 300808	S 300808 -A	30 x 8 x 8	11/32	110
S 301212	S 301212 -A	30 x 12 x 12	3/8	215
S 301808	S 301808 -A	30 x 18 x 18	3/8	205
S 301812	S 301812 -A	30 x 18 x 12	7/16	285
S 301814	S 301814 -A	30 x 18 x 14	1/2	330
S 302406	S 302406 -A	30 x 24 x 6	11/32	220
S 302408	S 302408 -A	30 x 24 x 8	3/8	240
S 302412	S 302412 -A	30 x 24 x 12	7/16	320
S 302417	S 302417 -A	30 x 24 x 17	7/16	410
S 303006	S 303006 -A	30 x 30 x 6	1/4	290
S 303012	S 303012 -A	30 x 30 x 12	7/16	390
S 360606	S 360606 -A	36 x 6 x 6	9/32	105
S 361208	S 361208 -A	36 x 12 x 8	7/16	196
S 361212	S 361212 -A	36 x 12 x 12	7/16	250
S 361808	S 361808 -A	36 x 18 x 8	7/16	255
S 361810	S 361810 -A	36 x 18 x 10	7/16	300
S 361812	S 361812 -A	36 x 18 x 12	7/16	330
S 362408	S 362408 -A	36 x 24 x 8	3/8	290
S 362412	S 362412 -A	36 x 24 x 12	3/8	390
S 363008	S 363008 -A	36 x 30 x 8	3/8	400
S 363608	S 363608 -A	36 x 36 x 8	3/8	500
S 363612	S 363612 -A	36 x 36 x 12	7/16	550
S 402412	S 402412 -A	40 x 24 x 12	3/8	430
S 421408	S 421408 -A	42 x 14 x 8	3/8	300
S 421414	S 421414 -A	42 x 14 x 14	3/8	360
S 421810	S 421810 -A	42 X 18 X 10	3/8	450
S 441610	S 441610 -A	44 X 16 X 10	3/8	340
S 480606	S 480606 -A	48 X 6 X 6	5/16	130
S 481212	S 481212 -A	48 X 12 X 12	3/8	350
S 482408	S 482408 -A	48 X 24 X 8	3/8	460
S 482412	S 482412 -A	48 X 24 X 12	7/16	480
S 483012	S 483012 -A	48 X 30 X 12	7/16	600
S 483018	S 483018 -A	48 X 30 X 18	7/16	740
S 483024	S 483024 -A	48 X 30 X 24	1/2	1200
S 483612	S 483612 -A	48 X 36 X 12	7/16	650
S 484812	S 484812 -A	48 X 48 X 12	7/16	1000
S 602418	S 602418 -A	60 X 24 X 18	1/2	940
S 723016	S 723016 -A	72 X 30 X 16	1/2	1070

*NEMA 4 Rating applicable up to 18" x 18" x 12" size. Larger sizes - use Type OC boxes.

OVERLAPPING COVER JUNCTION BOXES

RAINTIGHT (UL Listed) - WATERTIGHT (NEMA 4)

Other applicable NEMA ratings - see page 1



File E28142 (118C)
and E48330 (206C)

Type OC boxes may be installed in indoor or outdoor locations. They are used for junction and pull services and also as an enclosure for many types of electrical devices.

Standard Construction:

1. Cast iron or cast aluminum box and cover
2. Hot-dip galvanized finish - cast iron
3. Neoprene gasket
4. Stainless steel cover screws
5. Mounting Lugs are standard on boxes over 100 cubic inches internal volume and optional on boxes 100 cubic inches or less

TYPE OC - cast iron

TYPE OC-A - cast aluminum

For surface mounting

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Interior mounting buttons, blind tapped
4. Mounting plate

For ordering instructions, see pages 15-18

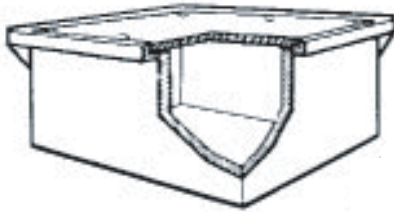
CATALOG NUMBER		INSIDE DIMENSIONS	APRX. WALL THICK INCHES	APRX. WT. LBS.
IRON	ALUMINUM	INCHES LxWxH		IRON
OC 040403	OC 040403 -A	4 x 4 x 3	3/16	6
OC 040404	OC 040404 -A	4 x 4 x 4	1/4	7
OC 050503	OC 050503 -A	5 x 5 x 3	1/4	9
OC 050504	OC 050504 -A	5 x 5 x 4	1/4	10
OC 060403	OC 060403 -A	6 x 4 x 3	1/4	9
OC 060404	OC 060404 -A	6 x 4 x 4	7/32	11
OC 060603	OC 060603 -A	6 x 6 x 3	1/4	11
OC 060604	OC 060604 -A	6 x 6 x 4	3/16	13
OC 060605	OC 060605 -A	6 x 6 x 5	1/4	15
OC 060606	OC 060606 -A	6 x 6 x 6	9/32	20
OC 070605	OC 070605 -A	7 x 5 1/2 x 4 1/2	1/4	16
OC 080403	OC 080403 -A	8 x 4 x 3	5/16	10
OC 080404	OC 080404 -A	8 x 4 x 4	5/16	13
OC 080603	OC 080603 -A	8 x 6 x 3	1/4	15
OC 080604	OC 080604 -A	8 x 6 x 4	1/4	15
OC 080605	OC 080605 -A	8 x 6 x 5	5/16	17
OC 080606	OC 080606 -A	8 x 6 x 6	5/16	22
OC 080803	OC 080803 -A	8 x 8 x 3	5/16	18
OC 080804	OC 080804 -A	8 x 8 x 4	5/16	19
OC 080805	OC 080805 -A	8 x 8 x 5	1/4	24
OC 080806	OC 080806 -A	8 x 8 x 6	5/16	29
OC 080808	OC 080808 -A	8 x 8 x 8	5/16	35
OC 090603	OC 090603 -A	9 x 6 x 3	3/16	14
OC 090604	OC 090604 -A	9 x 6 x 4	5/16	18
OC 100604	OC 100604 -A	10 x 6 x 4	1/4	22
OC 100605	OC 100605 -A	10 x 6 x 5	1/4	23
OC 100606	OC 100606 -A	10 x 6 x 6	1/4	26
OC 100804	OC 100804 -A	10 x 8 x 4	1/4	24
OC 100805	OC 100805 -A	10 x 8 x 5	1/4	29
OC 100806	OC 100806 -A	10 x 8 x 6	9/32	32
OC 100808	OC 100808 -A	10 x 8 x 8	5/16	43
OC 101003	OC 101003 -A	10 x 10 x 3	9/32	24
OC 101004	OC 101004 -A	10 x 10 x 4	9/32	28
OC 101005	OC 101005 -A	10 x 10 x 5	1/4	30
OC 101006	OC 101006 -A	10 x 10 x 6	1/4	37
OC 101008	OC 101008 -A	10 x 10 x 8	1/4	43
OC 120604	OC 120604 -A	12 x 6 x 4	9/32	22
OC 120606	OC 120606 -A	12 x 6 x 6	9/32	30
OC 120804	OC 120804 -A	12 x 8 x 4	9/32	30
OC 120806	OC 120806 -A	12 x 8 x 6	3/8	39
OC 120808	OC 120808 -A	12 x 8 x 8	3/8	47
OC 121004	OC 121004 -A	12 x 10 x 4	9/32	36
OC 121005	OC 121005 -A	12 x 10 x 5	1/4	36
OC 121006	OC 121006 -A	12 x 10 x 6	9/32	43
OC 121008	OC 121008 -A	12 x 10 x 8	5/16	53
OC 121203	OC 121203 -A	12 x 12 x 3	3/16	32
OC 121204	OC 121204 -A	12 x 12 x 4	9/32	37
OC 121206	OC 121206 -A	12 x 12 x 6	9/32	51
OC 121208	OC 121208 -A	12 x 12 x 8	5/16	57
OC 121210	OC 121210 -A	12 x 12 x 10	3/8	80
OC 121212	OC 121212 -A	12 x 12 x 12	3/8	92
OC 121218	OC 121218 -A	12 x 12 x 18	3/8	135
OC 140804	OC 140804 -A	14 x 8 x 4	9/32	35
OC 140806	OC 140806 -A	14 x 8 x 6	9/32	43
OC 141006	OC 141006 -A	14 x 10 x 6	9/32	52
OC 141008	OC 141008 -A	14 x 10 x 8	5/16	67
OC 141406	OC 141406 -A	14 x 14 x 6	5/16	70
OC 141408	OC 141408 -A	14 x 14 x 8	5/16	85
OC 141410	OC 141410 -A	14 x 14 x 10	11/32	100
OC 150604	OC 150604 -A	15 x 6 x 4	1/4	31
OC 150808	OC 150808 -A	15 x 8 x 8	5/16	62
OC 150904	OC 150904 -A	15 x 9 x 4	1/4	33
OC 150906	OC 150906 -A	15 x 9 x 6	9/32	46
OC 151006	OC 151006 -A	15 x 10 x 6	9/32	52
OC 160604	OC 160604 -A	16 x 6 x 4	1/4	30
OC 161005	OC 161005 -A	16 x 10 x 5	1/4	33

CATALOG NUMBER		INSIDE DIMENSIONS	APRX. WALL THICK INCHES	APRX. WT. LBS.
IRON	ALUMINUM	INCHES LxWxH		IRON
OC 161006	OC 161006 -A	16 x 10 x 6	9/32	56
OC 161008	OC 161008 -A	16 x 10 x 8	5/16	63
OC 161204	OC 161204 -A	16 x 12 x 4	5/16	54
OC 161206	OC 161206 -A	16 x 12 x 6	5/16	63
OC 161208	OC 161208 -A	16 x 12 x 8	5/16	80
OC 161606	OC 161606 -A	16 x 16 x 6	9/32	82
OC 180604	OC 180604 -A	18 x 6 x 4	1/4	34
OC 180606	OC 180606 -A	18 x 6 x 6	5/16	52
OC 180806	OC 180806 -A	18 x 8 x 6	9/32	57
OC 180808	OC 180808 -A	18 x 8 x 8	5/16	61
OC 181204	OC 181204 -A	18 x 12 x 4	1/4	63
OC 181206	OC 181206 -A	18 x 12 x 6	5/16	71
OC 181208	OC 181208 -A	18 x 12 x 8	5/16	90
OC 181210	OC 181210 -A	18 x 12 x 10	3/8	105
OC 181212	OC 181212 -A	18 x 12 x 12	7/16	128
OC 181406	OC 181406 -A	18 x 14 x 6	9/32	88
OC 181408	OC 181408 -A	18 x 14 x 8	5/16	95
OC 181606	OC 181606 -A	18 x 16 x 6	9/32	92
OC 181608	OC 181608 -A	18 x 16 x 8	5/16	102
OC 181806	OC 181806 -A	18 x 18 x 6	3/8	112
OC 181808	OC 181808 -A	18 x 18 x 8	3/8	125
OC 181810	OC 181810 -A	18 x 18 x 10	3/8	144
OC 181812	OC 181812 -A	18 x 18 x 12	7/16	161
OC 201006	OC 201006 -A	20 x 10 x 6	3/8	68
OC 201008	OC 201008 -A	20 x 10 x 8	3/8	87
OC 202006	OC 202006 -A	20 x 20 x 6	3/8	150
OC 202008	OC 202008 -A	20 x 20 x 8	3/8	160
OC 240806	OC 240806 -A	24 x 8 x 6	5/16	84
OC 240808	OC 240808 -A	24 x 8 x 8	11/32	94
OC 240810	OC 240810 -A	24 x 8 x 10	11/32	108
OC 241206	OC 241206 -A	24 x 12 x 6	5/16	104
OC 241208	OC 241208 -A	24 x 12 x 8	11/32	114
OC 241212	OC 241212 -A	24 x 12 x 12	7/16	140
OC 241606	OC 241606 -A	24 x 16 x 6	9/32	140
OC 241608	OC 241608 -A	24 x 16 x 8	11/32	150
OC 241806	OC 241806 -A	24 x 18 x 6	11/32	145
OC 241808	OC 241808 -A	24 x 18 x 8	11/32	160
OC 241810	OC 241810 -A	24 x 18 x 10	3/8	195
OC 241812	OC 241812 -A	24 x 18 x 12	7/16	215
OC 242406	OC 242406 -A	24 x 24 x 6	11/32	180
OC 242408	OC 242408 -A	24 x 24 x 8	11/32	205
OC 242410	OC 242410 -A	24 x 24 x 10	3/8	240
OC 242412	OC 242412 -A	24 x 24 x 12	7/16	280
OC 281206	OC 281206 -A	28 x 12 x 6	5/16	123
OC 281208	OC 281208 -A	28 x 12 x 8	3/8	135
OC 300806	OC 300806 -A	30 x 8 x 6	9/32	105
OC 300808	OC 300808 -A	30 x 8 x 8	11/32	112
OC 301808	OC 301808 -A	30 x 18 x 8	3/8	215
OC 301812	OC 301812 -A	30 x 18 x 12	7/16	290
OC 301814	OC 301814 -A	30 x 18 x 14	1/2	340
OC 302406	OC 302406 -A	30 x 24 x 6	11/32	235
OC 302408	OC 302408 -A	30 x 24 x 8	3/8	250
OC 302412	OC 302412 -A	30 x 24 x 12	7/16	340
OC 302417	OC 302417 -A	30 x 24 x 17	7/16	415
OC 303012	OC 303012 -A	30 x 30 x 12	7/16	400
OC 360606	OC 360606 -A	36 x 6 x 6	9/32	115
OC 361208	OC 361208 -A	36 x 12 x 8	7/16	205
OC 361212	OC 361212 -A	36 x 12 x 12	11/32	255
OC 361808	OC 361808 -A	36 x 18 x 8	7/16	265
OC 361810	OC 361810 -A	36 x 18 x 10	7/16	340
OC 362408	OC 362408 -A	36 x 24 x 8	3/8	300
OC 362412	OC 362412 -A	36 x 24 x 12	3/8	400
OC 363008	OC 363008 -A	36 x 30 x 8	3/8	410
OC 363608	OC 363608 -A	36 x 36 x 8	3/8	510
OC 363612	OC 363612 -A	36 x 36 x 12	7/16	560
OC 723016	OC 723016 -A	72 x 30 x 16	1/2	1080

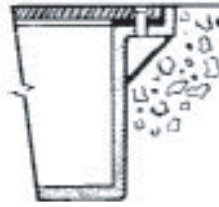
EXTERNAL RECESS FLANGED JUNCTION BOXES

RAINTIGHT (UL LISTED) - WATERTIGHT (NEMA 4)*

Other Applicable NEMA Ratings- See page 1



File E28142 (118C)
and E48330 (206C)



Standard Construction:

1. Cast iron or cast aluminum box
2. Hot-dip galvanized finish - cast iron
3. Neoprene gasket
4. Stainless steel cover screws
5. Galvanized checkered steel cover

TYPE ER - cast iron

TYPE ER-A - cast aluminum*

For flush mounting

Type ER boxes are designed especially for flush mounting as illustrated but may be surface mounted. A corner rib is located under the flange for strength. A checkered steel cover provides a non-slip surface.

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Mounting lugs (when surface mounted)
4. Interior mounting buttons, blind tapped
5. Mounting plate
6. A heavier steel cover for H-20 loading

For ordering instructions, see pages 15-18

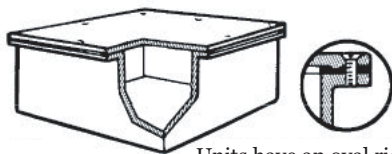
CATALOG NUMBER		INSIDE DIMENSIONS INCHES	APRX. WALL THICK. INCHES	APRX. WT. LBS.
IRON	ALUMINUM	L. x W. x D.		IRON
ER 040403	ER 040403 -A	4 x 4 x 3	3/16	6
ER 040404	ER 040404 -A	4 x 4 x 4	7/32	7
ER 060403	ER 060403 -A	6 x 4 x 3	3/16	9
ER 060404	ER 060404 -A	6 x 4 x 4	3/16	10
ER 060603	ER 060603 -A	6 x 6 x 3	3/16	11
ER 060604	ER 060604 -A	6 x 6 x 4	1/4	15
ER 060606	ER 060606 -A	6 x 6 x 6	7/32	20
ER 060612	ER 060612 -A	6 x 6 x 12	9/32	55
ER 080403	ER 080403 -A	8 x 4 x 3	1/4	12
ER 080404	ER 080404 -A	8 x 4 x 4	3/16	16
ER 080603	ER 080603 -A	8 x 6 x 3	7/32	15
ER 080604	ER 080604 -A	8 x 6 x 4	1/4	18
ER 080606	ER 080606 -A	8 x 6 x 6	7/32	26
ER 080804	ER 080804 -A	8 x 8 x 4	9/32	26
ER 080806	ER 080806 -A	8 x 8 x 6	1/4	31
ER 080808	ER 080808 -A	8 x 8 x 8	9/32	39
ER 080810	ER 080810 -A	8 x 8 x 10	9/32	48
ER 100604	ER 100604 -A	10 x 6 x 4	7/32	22
ER 100606	ER 100606 -A	10 x 6 x 6	7/32	29
ER 100806	ER 100806 -A	10 x 8 x 6	1/4	40
ER 100808	ER 100808 -A	10 x 8 x 8	1/4	48
ER 101004	ER 101004 -A	10 x 10 x 4	1/4	40
ER 101006	ER 101006 -A	10 x 10 x 6	9/32	48
ER 101008	ER 101008 -A	10 x 10 x 8	9/32	51
ER 120604	ER 120604 -A	12 x 6 x 4	1/4	31
ER 120606	ER 120606 -A	12 x 6 x 6	1/4	36
ER 120804	ER 120804 -A	12 x 8 x 4	9/32	37
ER 120806	ER 120806 -A	12 x 8 x 6	9/32	49
ER 120808	ER 120808 -A	12 x 8 x 8	1/4	55
ER 120810	ER 120810 -A	12 x 8 x 10	5/16	65
ER 121004	ER 121004 -A	12 x 10 x 4	9/32	38
ER 121006	ER 121006 -A	12 x 10 x 6	9/32	50
ER 121008	ER 121008 -A	12 x 10 x 8	1/4	60
ER 121010	ER 121010 -A	12 x 10 x 10	5/16	70
ER 121204	ER 121204 -A	12 x 12 x 4	5/16	55
ER 121206	ER 121206 -A	12 x 12 x 6	5/16	61
ER 121208	ER 121208 -A	12 x 12 x 8	5/16	78
ER 121210	ER 121210 -A	12 x 12 x 10	5/16	85
ER 121212	ER 121212 -A	12 x 12 x 12	5/16	105
ER 121218	ER 121218 -A	12 x 12 x 18	3/8	140
ER 121224	ER 121224 -A	12 x 12 x 24	3/8	155
ER 140806	ER 140806 -A	14 x 8 x 6	1/4	48
ER 141206	ER 141206 -A	14 x 12 x 6	9/32	80
ER 141410	ER 141410 -A	14 x 14 x 10	5/16	110
ER 141412	ER 141412 -A	14 x 14 x 12	5/16	125
ER 161008	ER 161008 -A	16 x 10 x 8	9/32	88
ER 161204	ER 161204 -A	16 x 12 x 4	9/32	65
ER 161206	ER 161206 -A	16 x 12 x 6	9/32	75
ER 161208	ER 161208 -A	16 x 12 x 8	5/16	95
ER 161606	ER 161606 -A	16 x 16 x 6	11/32	112
ER 180606	ER 180606 -A	18 x 6 x 6	9/32	55
ER 180806	ER 180806 -A	18 x 8 x 6	5/16	85
ER 180808	ER 180808 -A	18 x 8 x 8	9/32	100
ER 181006	ER 181006 -A	18 x 10 x 6	9/32	96
ER 181008	ER 181008 -A	18 x 10 x 8	5/16	100
ER 181204	ER 181204 -A	18 x 12 x 4	1/4	82
ER 181206	ER 181206 -A	18 x 12 x 6	5/16	94
ER 181208	ER 181208 -A	18 x 12 x 8	5/16	105
ER 181210	ER 181210 -A	18 x 12 x 10	5/16	125
ER 181212	ER 181212 -A	18 x 12 x 12	3/8	131
ER 181218	ER 181218 -A	18 x 12 x 18	3/8	180
ER 181806	ER 181806 -A	18 x 18 x 6	5/16	137
ER 181808	ER 181808 -A	18 x 18 x 8	5/16	148
ER 181810	ER 181810 -A	18 x 18 x 10	5/16	170
ER 181812	ER 181812 -A	18 x 18 x 12	5/16	185
ER 181818	ER 181818 -A	18 x 18 x 18	3/8	250
ER 201615	ER 201615 -A	20 x 16 x 15	3/8	220
ER 240808	ER 240808 -A	24 x 8 x 8	9/32	100
ER 241206	ER 241206 -A	24 x 12 x 6	5/16	130
ER 241208	ER 241208 -A	24 x 12 x 8	5/16	140
ER 241210	ER 241210 -A	24 x 12 x 10	5/16	165
ER 241212	ER 241212 -A	24 x 12 x 12	5/16	185
ER 241224	ER 241224 -A	24 x 12 x 24	7/16	320
ER 241412	ER 241412 -A	24 x 14 x 12	5/16	195
ER 241414	ER 241414 -A	24 x 14 x 14	5/16	210
ER 241806	ER 241806 -A	24 x 18 x 6	11/32	165
ER 241808	ER 241808 -A	24 x 18 x 8	11/32	185
ER 241810	ER 241810 -A	24 x 18 x 10	3/8	230
ER 241812	ER 241812 -A	24 x 18 x 12	3/8	260
ER 241818	ER 241818 -A	24 x 18 x 18	7/16	350
ER 242406	ER 242406 -A	24 x 24 x 6	11/32	250
ER 242408	ER 242408 -A	24 x 24 x 8	11/32	260
ER 242410	ER 242410 -A	24 x 24 x 10	3/8	275
ER 242412	ER 242412 -A	24 x 24 x 12	3/8	320
ER 242418	ER 242418 -A	24 x 24 x 18	7/16	410
ER 242424	ER 242424 -A	24 x 24 x 24	7/16	480
ER 301212	ER 301212 -A	30 x 12 x 12	3/8	255
ER 302408	ER 302408 -A	30 x 24 x 8	11/32	330
ER 302410	ER 302410 -A	30 x 24 x 10	3/8	365
ER 302412	ER 302412 -A	30 x 24 x 12	3/8	380
ER 302418	ER 302418 -A	30 x 24 x 18	3/8	520
ER 303012	ER 303012 -A	30 x 30 x 12	3/8	520
ER 323012	ER 323012 -A	32 x 30 x 12	3/8	530
ER 323018	ER 323018 -A	32 x 30 x 18	7/16	620
ER 361808	ER 361808 -A	36 x 18 x 8	3/8	275
ER 361812	ER 361812 -A	36 x 18 x 12	3/8	350
ER 361816	ER 361816 -A	36 x 18 x 16	7/16	420
ER 361818	ER 361818 -A	36 x 18 x 18	7/16	500
ER 362412	ER 362412 -A	36 x 24 x 12	3/8	450
ER 362418	ER 362418 -A	36 x 24 x 18	7/16	570
ER 362424	ER 362424 -A	36 x 24 x 24	7/16	590
ER 363608	ER 363608 -A	36 x 36 x 8	3/8	520
ER 363612	ER 363612 -A	36 x 36 x 12	7/16	610
ER 363618	ER 363618 -A	36 x 36 x 18	7/16	815
ER 363624	ER 363624 -A	36 x 36 x 24	7/16	910
ER 363636	ER 363636 -A	36 x 36 x 36	7/16	1200
ER 424218	ER 424218 -A	42 x 42 x 18	3/8	950
ER 481212	ER 481212 -A	48 x 12 x 12	3/8	380
ER 482412	ER 482412 -A	48 x 24 x 12	7/16	555
ER 483012	ER 483012 -A	48 x 30 x 12	7/16	650
ER 483018	ER 483018 -A	48 x 30 x 18	7/16	800
ER 483024	ER 483024 -A	48 x 30 x 24	1/2	1150
ER 484812	ER 484812 -A	48 x 48 x 12	7/16	1080
ER 723016	ER 723016 -A	72 x 30 x 16	1/2	1130

*Unless suitably coated, the aluminum units are subject to corrosion under certain alkali conditions such as a flush installation in concrete or cinder fill. UL requires coating of asphalt-base paint, 2 coats of baked enamel, or the equivalent.

FLAT FLANGED JUNCTION BOXES

TYPE FF - cast iron
TYPE FF-A - cast aluminum
For surface mounting

WATERTIGHT (NEMA 4) - SUBMERSIBLE (NEMA 6) -
RAINTIGHT (UL LISTED)
Other applicable NEMA ratings - see page 1



Units have an oval ridge on the underside of the cover for a good seal and on the corner rib under the flange for strength.

Type FF boxes feature wide flanges (from 3/4" on small boxes to over 1 1/2" on large boxes) that provide ample contact between cover and gasket to insure tightness under widely varying climatic conditions and where they may be subjected to dripping, splashing, or hose-directed water. These boxes are watertight and suitable for occasional submersion under 6 feet of water for 30 minutes.

Note: For greater submersibility requirements use type HF (see page 11)

UL File E28142 (118C) and E48330 (206C)

Standard Construction:

1. Cast iron or cast aluminum box and cover
2. Hot-dip galvanized finish- cast iron
3. Neoprene gasket
4. Stainless steel cover screws
5. Flange ground before galvanizing
6. Mounting Lugs are standard on boxes over 100 cubic inches internal volume and optional on boxes 100 cubic inches or less

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Mounting plate
4. Interior mounting buttons, blind tapped

For ordering instructions, see pages 15-18

CATALOG NUMBER		INSIDE DIMENSIONS LxWxH INCHES	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
FF 040403	FF 040403 -A	4 x 4 x 3	1/4	7
FF 040404	FF 040404 -A	4 x 4 x 4	1/4	8
FF 050504	FF 050504 -A	5 x 5 x 4	1/4	10
FF 060403	FF 060403 -A	6 x 4 x 3	1/4	8
FF 060404	FF 060404 -A	6 x 4 x 4	1/4	9
FF 060603	FF 060603 -A	6 x 6 x 3	1/4	12
FF 060604	FF 060604 -A	6 x 6 x 4	1/4	18
FF 060606	FF 060606 -A	6 x 6 x 6	1/4	19
FF 080403	FF 080403 -A	8 x 4 x 3	1/4	11
FF 080404	FF 080404 -A	8 x 4 x 4	1/4	12
FF 080603	FF 080603 -A	8 x 6 x 3	1/4	15
FF 080604	FF 080604 -A	8 x 6 x 4	1/4	17
FF 080606	FF 080606 -A	8 x 6 x 6	1/4	23
FF 080804	FF 080804 -A	8 x 8 x 4	1/4	24
FF 080806	FF 080806 -A	8 x 8 x 6	1/4	29
FF 080808	FF 080808 -A	8 x 8 x 8	1/4	34
FF 100604	FF 100604 -A	10 x 6 x 4	1/4	23
FF 100605	FF 100605 -A	10 x 6 x 5	1/4	26
FF 100804	FF 100804 -A	10 x 8 x 4	1/4	31
FF 100806	FF 100806 -A	10 x 8 x 6	1/4	36
FF 100808	FF 100808 -A	10 x 8 x 8	1/4	44
FF 101004	FF 101004 -A	10 x 10 x 4	1/4	33
FF 101006	FF 101006 -A	10 x 10 x 6	1/4	42
FF 101008	FF 101008 -A	10 x 10 x 8	9/32	48
FF 120404	FF 120404 -A	12 x 4 x 4	1/4	24
FF 120603	FF 120603 -A	12 x 6 x 3	1/4	22
FF 120604	FF 120604 -A	12 x 6 x 4	1/4	27
FF 120606	FF 120606 -A	12 x 6 x 6	1/4	33
FF 120804	FF 120804 -A	12 x 8 x 4	1/4	32
FF 120806	FF 120806 -A	12 x 8 x 6	1/4	42
FF 120808	FF 120808 -A	12 x 8 x 8	1/4	55
FF 121004	FF 121004 -A	12 x 10 x 4	1/4	46
FF 121006	FF 121006 -A	12 x 10 x 6	1/4	49
FF 121008	FF 121008 -A	12 x 10 x 8	1/4	48
FF 121204	FF 121204 -A	12 x 12 x 4	5/16	47
FF 121206	FF 121206 -A	12 x 12 x 6	5/16	57
FF 121207	FF 121207 -A	12 x 12 x 7	5/16	63
FF 121208	FF 121208 -A	12 x 12 x 8	5/16	70
FF 121210	FF 121210 -A	12 x 12 x 10	5/16	78
FF 121212	FF 121212 -A	12 x 12 x 12	5/16	90
FF 121218	FF 121218 -A	12 x 12 x 18	3/8	130
FF 140804	FF 140804 -A	14 x 8 x 4	1/4	38
FF 140806	FF 140806 -A	14 x 8 x 6	1/4	43
FF 140808	FF 140808 -A	14 x 8 x 8	1/4	55
FF 141206	FF 141206 -A	14 x 12 x 6	5/16	75
FF 141406	FF 141406 -A	14 x 14 x 6	5/16	80
FF 141408	FF 141408 -A	14 x 14 x 8	5/16	91
FF 141410	FF 141410 -A	14 x 14 x 10	1/4	100
FF 161204	FF 161204 -A	16 x 12 x 4	1/4	65
FF 161206	FF 161206 -A	16 x 12 x 6	5/16	74
FF 161208	FF 161208 -A	16 x 12 x 8	5/16	85
FF 161606	FF 161606 -A	16 x 16 x 6	9/32	107
FF180606	FF180606 -A	18 x 6 x 6	9/32	60

CATALOG NUMBER		INSIDE DIMENSIONS LxWxH INCHES	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
FF 180804	FF 180804 -A	18 x 8 x 4	1/4	50
FF180806	FF180806 -A	18 x 8 x 6	9/32	55
FF 181204	FF 181204 -A	18 x 12 x 4	1/4	70
FF 181206	FF 181206 -A	18 x 12 x 6	5/16	87
FF 181208	FF 181208 -A	18 x 12 x 8	5/16	100
FF 181210	FF 181210 -A	18 x 12 x 10	5/16	115
FF 181212	FF 181212 -A	18 x 12 x 12	5/16	130
FF 181218	FF 181218 -A	18 x 12 x 18	11/32	173
FF 181806	FF 181806 -A	18 x 18 x 6	5/16	130
FF 181808	FF 181808 -A	18 x 18 x 8	5/16	150
FF 181810	FF 181810 -A	18 x 18 x 10	5/16	160
FF 181812	FF 181812 -A	18 x 18 x 12	5/16	210
FF 240808	FF 240808 -A	24 x 8 x 8	5/16	100
FF 241206	FF 241206 -A	24 x 12 x 6	5/16	120
FF 241208	FF 241208 -A	24 x 12 x 8	5/16	130
FF 241212	FF 241212 -A	24 x 12 x 12	5/16	160
FF 241806	FF 241806 -A	24 x 18 x 6	11/32	165
FF 241808	FF 241808 -A	24 x 18 x 8	11/32	180
FF 241810	FF 241810 -A	24 x 18 x 10	11/32	190
FF 241812	FF 241812 -A	24 x 18 x 12	11/32	235
FF 241818	FF 241818 -A	24 x 18 x 18	7/16	350
FF 242406	FF 242406 -A	24 x 24 x 6	11/32	220
FF 242408	FF 242408 -A	24 x 24 x 8	11/32	235
FF 242410	FF 242410 -A	24 x 24 x 10	3/8	250
FF 242412	FF 242412 -A	24 x 24 x 12	3/8	320
FF 242418	FF 242418 -A	24 x 24 x 18	3/8	380
FF 281208	FF 281208 -A	28 x 12 x 8	3/8	160
FF 281212	FF 281212 -A	28 x 12 x 12	5/16	180
FF 300606	FF 300606 -A	30 x 6 x 6	3/8	90
FF 302408	FF 302408 -A	30 x 24 x 8	3/8	300
FF 302410	FF 302410 -A	30 x 24 x 10	3/8	325
FF 302412	FF 302412 -A	30 x 24 x 12	3/8	370
FF 302418	FF 302418 -A	30 x 24 x 18	3/8	485
FF 303012	FF 303012 -A	30 x 30 x 12	3/8	500
FF 360606	FF 360606 -A	36 x 6 x 6	9/32	120
FF 360808	FF 360808 -A	36 x 8 x 8	9/32	135
FF 361212	FF 361212 -A	36 x 12 x 12	3/8	250
FF 361806	FF 361806 -A	36 x 18 x 6	3/8	240
FF 361808	FF 361808 -A	36 x 18 x 8	3/8	270
FF 361812	FF 361812 -A	36 x 18 x 12	3/8	345
FF 361818	FF 361818 -A	36 x 18 x 18	3/8	485
FF 362408	FF 362408 -A	36 x 24 x 8	3/8	340
FF 362418	FF 362418 -A	36 x 24 x 18	7/16	610
FF 363018	FF 363018 -A	36 x 30 x 18	7/16	700
FF 363024	FF 363024 -A	36 x 30 x 24	7/16	820
FF 363230	FF 363230 -A	36 x 32 x 30	1/2	1000
FF 363608	FF 363608 -A	36 x 36 x 8	7/16	505
FF 363612	FF 363612 -A	36 x 36 x 12	7/16	570
FF 363618	FF 363618 -A	36 x 36 x 18	7/16	800
FF 422024	FF 422024 -A	42 x 20 x 24	1/2	700
FF 483024	FF 483024 -A	48 x 30 x 24	1/2	1130
FF 542424	FF 542424 -A	54 x 24 x 24	1/2	970
FF 723016	FF 723016 -A	72 x 30 x 16	1/2	1100

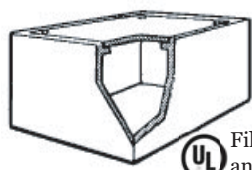
Conduit connections in submersible enclosures should be made with pipe-thread sealing compound, with the sealant made of material that will not interrupt the grounding continuity of the conduit run.

INTERNAL RECESS FLANGED JUNCTION BOXES

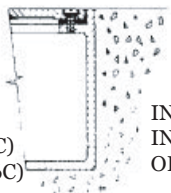
TYPE IR - cast iron
TYPE IR-A - cast aluminum*
For flush mounting

DUST-TIGHT - RAIN-TIGHT (UL Listed) - NEMA 3R

Other applicable NEMA ratings - see page 1



File E28142 (118C)
and E48330 (206C)



INSTALLATION
IN MASONRY
OR CONCRETE

Type IR boxes are designed especially for flush mounting in masonry as illustrated but may be surface mounted. The inside flange permits the use of this box where space is limited.

Standard Construction:

1. Cast iron or cast aluminum box and steel or aluminum plate cover
2. Hot-dip galvanized finished-cast iron
3. Neoprene gasket
4. Stainless steel cover screws

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Mounting lugs (if required when surface mounted)
4. Interior mounting buttons, blind tapped
5. Mounting plate

For ordering instructions, see pages 15-18

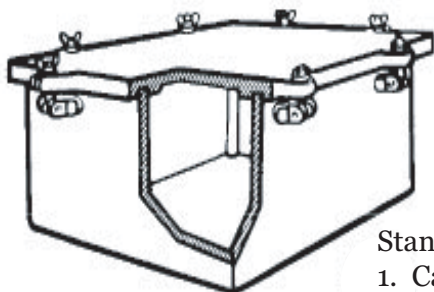
CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
IR 040402	IR 040402 -A	4 x 4 x 2	7/32	6
IR 040403	IR 040403 -A	4 x 4 x 3	7/32	8
IR 040404	IR 040404 -A	4 x 4 x 4	1/4	9
IR 060403	IR 060403 -A	6 x 4 x 3	1/4	9
IR 060404	IR 060404 -A	6 x 4 x 4	1/4	11
IR 060603	IR 060603 -A	6 x 6 x 3	1/4	13
IR 060604	IR 060604 -A	6 x 6 x 4	9/32	14
IR 060606	IR 060606 -A	6 x 6 x 6	1/4	19
IR 080404	IR 080404 -A	8 x 4 x 4	1/4	14
IR 080604	IR 080604 -A	8 x 6 x 4	9/32	19
IR 080606	IR 080606 -A	8 x 6 x 6	9/32	22
IR 080804	IR 080804 -A	8 x 8 x 4	9/32	25
IR 080806	IR 080806 -A	8 x 8 x 6	1/4	28
IR 080808	IR 080808 -A	8 x 8 x 8	1/4	34
IR 100604	IR 100604 -A	10 x 6 x 4	1/4	22
IR 100605	IR 100605 -A	10 x 6 x 5	1/4	25
IR 100606	IR 100606 -A	10 x 6 x 6	1/4	30
IR 100804	IR 100804 -A	10 x 8 x 4	1/4	29
IR 100806	IR 100806 -A	10 x 8 x 6	9/32	33
IR 100808	IR 100808 -A	10 x 8 x 8	9/32	41
IR 101004	IR 101004 -A	10 x 10 x 4	1/4	33
IR 101006	IR 101006 -A	10 x 10 x 6	1/4	42
IR 101008	IR 101008 -A	10 x 10 x 8	1/4	51
IR 120604	IR 120604 -A	12 x 6 x 4	1/4	30
IR 120606	IR 120606 -A	12 x 6 x 6	9/32	35
IR 120804	IR 120804 -A	12 x 8 x 4	1/4	32
IR 120806	IR 120806 -A	12 x 8 x 6	1/4	40
IR 120808	IR 120808 -A	12 x 8 x 8	9/32	49
IR 121204	IR 121204 -A	12 x 12 x 4	9/32	54
IR 121206	IR 121206 -A	12 x 12 x 6	9/32	62
IR 121208	IR 121208 -A	12 x 12 x 8	5/16	80
IR 121212	IR 121212 -A	12 x 12 x 12	5/16	100
IR 140806	IR 140806 -A	14 x 8 x 6	1/4	43
IR 141404	IR 141404 -A	14 x 14 x 4	5/16	60
IR 141406	IR 141406 -A	14 x 14 x 6	5/16	74
IR 141408	IR 141408 -A	14 x 14 x 8	5/16	80
IR 141410	IR 141410 -A	14 x 14 x 10	5/16	88
IR 160604	IR 160604 -A	16 x 6 x 4	1/4	32
IR 160606	IR 160606 -A	16 x 6 x 6	9/32	43
IR 160804	IR 160804 -A	16 x 8 x 4	1/4	45
IR 160806	IR 160806 -A	16 x 8 x 6	1/4	52
IR 160808	IR 160808 -A	16 x 8 x 8	5/16	55
IR 161206	IR 161206 -A	16 x 12 x 6	9/32	75
IR 161208	IR 161208 -A	16 x 12 x 8	9/32	90
IR 161604	IR 161604 -A	16 x 16 x 4	1/4	65
IR 161608	IR 161608 -A	16 x 16 x 8	9/32	110

CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
IR 161612	IR 161612 -A	16 x 16 x 12	5/16	120
IR 180604	IR 180604 -A	18 x 6 x 4	9/32	43
IR 180806	IR 180806 -A	18 x 8 x 6	9/32	60
IR 180808	IR 180808 -A	18 x 8 x 8	5/16	70
IR 181006	IR 181006 -A	18 x 10 x 6	9/32	68
IR 181008	IR 181008 -A	18 x 10 x 8	5/16	85
IR 181206	IR 181206 -A	18 x 12 x 6	9/32	90
IR 181208	IR 181208 -A	18 x 12 x 8	9/32	95
IR 181210	IR 181210 -A	18 x 12 x 10	9/32	110
IR 181212	IR 181212 -A	18 x 12 x 12	5/16	125
IR 181218	IR 181218 -A	18 x 12 x 18	3/8	175
IR 181604	IR 181604 -A	18 x 16 x 4	1/4	78
IR 181608	IR 181608 -A	18 x 16 x 8	9/32	105
IR 181806	IR 181806 -A	18 x 18 x 6	5/16	135
IR 181808	IR 181808 -A	18 x 18 x 8	5/16	143
IR 201808	IR 201808 -A	20 x 18 x 8	5/16	134
IR 240604	IR 240604 -A	24 x 6 x 4	9/32	60
IR 240606	IR 240606 -A	24 x 6 x 6	9/32	70
IR 240808	IR 240808 -A	24 x 8 x 8	5/16	110
IR 240908	IR 240908 -A	24 x 9 x 8	3/8	115
IR 241006	IR 241006 -A	24 x 10 x 6	3/8	135
IR 241008	IR 241008 -A	24 x 10 x 8	3/8	145
IR 241010	IR 241010 -A	24 x 10 x 10	3/8	155
IR 241206	IR 241206 -A	24 x 12 x 6	5/16	120
IR 241208	IR 241208 -A	24 x 12 x 8	5/16	137
IR 241210	IR 241210 -A	24 x 12 x 10	5/16	150
IR 241212	IR 241212 -A	24 x 12 x 12	5/16	185
IR 241218	IR 241218 -A	24 x 12 x 18	3/8	215
IR 241410	IR 241410 -A	24 x 14 x 10	5/16	170
IR 241806	IR 241806 -A	24 x 18 x 6	3/8	170
IR 241808	IR 241808 -A	24 x 18 x 8	3/8	190
IR 241812	IR 241812 -A	24 x 18 x 12	3/8	225
IR 242406	IR 242406 -A	24 x 24 x 6	3/8	220
IR 242408	IR 242408 -A	24 x 24 x 8	3/8	230
IR 242412	IR 242412 -A	24 x 24 x 12	3/8	275
IR 301010	IR 301010 -A	30 x 10 x 10	3/8	160
IR 301212	IR 301212 -A	30 x 12 x 12	3/8	230
IR 301410	IR 301410 -A	30 x 14 x 10	3/8	200
IR 301414	IR 301414 -A	30 x 14 x 14	3/8	305
IR 301808	IR 301808 -A	30 x 18 x 8	3/8	205
IR 302408	IR 302408 -A	30 x 24 x 8	3/8	250
IR 302412	IR 302412 -A	30 x 24 x 12	3/8	300
IR 361212	IR 361212 -A	36 x 12 x 12	3/8	235
IR 361812	IR 361812 -A	36 x 18 x 12	3/8	290
IR 362408	IR 362408 -A	36 x 24 x 8	3/8	340
IR 363612	IR 363612 -A	36 x 36 x 12	7/16	560

*Unless suitably coated, the aluminum units are subject to corrosion under certain alkali conditions such as a flush installation in concrete or cinder fill. UL requires coating of asphalt-base paint, 2 coats of baked enamel or the equivalent.

HINGED COVER JUNCTION BOXES

WATERTIGHT (NEMA 4) - RAIN TIGHT (UL Listed) -
Other applicable NEMA ratings - see page 1



UL File E28142 (118C)
and E48330 (206C)

Type HC boxes are ideal enclosures for equipment which must be inspected frequently and where easy access is desired. In addition to general junction box services. Type HC boxes are utilized as enclosures for terminal blocks, cut-outs, transformers, relays, bus bar panels, time signals, etc. Hinges can be readjusted in the field for proper gasket pressure.

Standard Construction:

1. Cast iron or cast aluminum box and cover
2. Hot-dip galvanized finished-cast iron
3. Neoprene gasket
4. Stainless steel cover hardware (hinges are always located on the long side of the box and, unless otherwise requested, on the right side of the box)
5. Mounting Lugs are standard on boxes over 100 cubic inches internal volume and optional on boxes 100 cubic inches or less

For ordering instructions, see pages 15-18

TYPE HC- cast iron

TYPE HC-A - cast aluminum

For surface mounting

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Interior mounting buttons, blind tapped
4. Mounting plate
5. Hasp for padlock

CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON	NO. OF HINGES (RIGHT SIDE)	NO. OF WING NUTS		
IRON	ALUMINUM					LEFT SIDE	TOP	BOTTOM
HC 050503	HC 050503 -A	5 x 5 x 3	1/4	10	2	1	--	--
HC 050504	HC 050504 -A	5 x 5 x 4	1/4	12	2	1	--	--
HC 060403	HC 060403 -A	6 x 4 x 3	1/4	10	2	1	--	--
HC 060404	HC 060404 -A	6 x 4 x 4	7/32	12	2	1	--	--
HC 060603	HC 060603 -A	6 x 6 x 3	1/4	12	2	1	--	--
HC 060604	HC 060604 -A	6 x 6 x 4	3/16	15	2	1	--	--
HC 060605	HC 060605 -A	6 x 6 x 5	1/4	17	2	1	--	--
HC 060606	HC 060606 -A	6 x 6 x 6	9/32	20	2	1	--	--
HC 080403	HC 080403 -A	8 x 4 x 3	5/16	12	2	2	--	--
HC 080404	HC 080404 -A	8 x 4 x 4	5/16	14	2	2	--	--
HC 080603	HC 080603 -A	8 x 6 x 3	1/4	15	2	2	--	--
HC 080604	HC 080604 -A	8 x 6 x 4	7/32	17	2	2	--	--
HC 080605	HC 080605 -A	8 x 6 x 5	5/16	19	2	2	--	--
HC 080606	HC 080606 -A	8 x 6 x 6	5/16	22	2	2	--	--
HC 080803	HC 080803 -A	8 x 8 x 3	5/16	19	2	2	--	--
HC 080804	HC 080804 -A	8 x 8 x 4	5/16	20	2	2	--	--
HC 080805	HC 080805 -A	8 x 8 x 5	1/4	25	2	2	--	--
HC 080806	HC 080806 -A	8 x 8 x 6	5/16	30	2	2	--	--
HC 080808	HC 080808 -A	8 x 8 x 8	5/16	36	2	2	--	--
HC 090603	HC 090603 -A	9 x 6 x 3	3/16	17	2	2	--	--
HC 090604	HC 090604 -A	9 x 6 x 4	5/16	20	2	2	--	--
HC 100604	HC 100604 -A	10 x 6 x 4	1/4	22	2	2	--	--
HC 100605	HC 100605 -A	10 x 6 x 5	1/4	25	2	2	--	--
HC 100606	HC 100606 -A	10 x 6 x 6	1/4	27	2	2	--	--
HC 100804	HC 100804 -A	10 x 8 x 4	1/4	27	2	2	--	--
HC 100805	HC 100805 -A	10 x 8 x 5	1/4	31	2	2	--	--
HC 100806	HC 100806 -A	10 x 8 x 6	9/32	35	2	2	--	--
HC 100808	HC 100808 -A	10 x 8 x 8	5/16	46	2	2	--	--
HC 101003	HC 101003 -A	10 x 10 x 3	9/32	26	2	2	1	1
HC 101004	HC 101004 -A	10 x 10 x 4	9/32	31	2	2	1	1
HC 101005	HC 101005 -A	10 x 10 x 5	1/4	34	2	2	1	1
HC 101006	HC 101006 -A	10 x 10 x 6	1/4	40	2	2	1	1
HC 101008	HC 101008 -A	10 x 10 x 8	1/4	44	2	2	1	1
HC 120604	HC 120604 -A	12 x 6 x 4	9/32	26	2	2	--	--
HC 120606	HC 120606 -A	12 x 6 x 6	9/32	31	2	2	--	--
HC 120804	HC 120804 -A	12 x 8 x 4	9/32	32	2	2	1	1
HC 120806	HC 120806 -A	12 x 8 x 6	9/32	40	2	2	1	1
HC 120808	HC 120808 -A	12 x 8 x 8	5/16	48	2	2	1	1
HC 121004	HC 121004 -A	12 x 10 x 4	9/32	39	2	2	1	1
HC 121005	HC 121005 -A	12 x 10 x 5	1/4	42	2	2	1	1
HC 121006	HC 121006 -A	12 x 10 x 6	9/32	46	2	2	1	1
HC 121008	HC 121008 -A	12 x 10 x 8	5/16	57	2	2	1	1
HC 121203	HC 121203 -A	12 x 12 x 3	3/16	35	2	2	1	1
HC 121204	HC 121204 -A	12 x 12 x 4	9/32	42	2	2	1	1
HC 121206	HC 121206 -A	12 x 12 x 6	9/32	49	2	2	1	1

The bottom of the anchors for mounting wing nuts and hinges extends a maximum of 1 3/4" below the top edge of the box and limits the space available for conduit entrances. Location of conduit entrances between anchors permits utilization of full height of the box.

HINGED COVER JUNCTION BOXES

TYPE HC- cast iron
TYPE HC-A - cast aluminum
For surface mounting

For ordering instructions, see pages 15-18

CATALOG NUMBER		INSIDE DIMENSIONS	APRX. WALL	APRX. WT. LBS.	NO. OF HINGES	NO. OF WING NUTS		
IRON	ALUMINUM	INCHES LxWxH	THICK INCHES	IRON	(RIGHT SIDE)	LEFT SIDE	TOP	BOTTOM
HC 121208	HC 121208 -A	12 x 12 x 8	5/16	62	2	2	1	1
HC 121210	HC 121210 -A	12 x 12 x 10	3/8	87	2	2	1	1
HC 121212	HC 121212 -A	12 x 12 x 12	3/8	100	2	2	1	1
HC 140804	HC 140804 -A	14 x 8 x 4	9/32	38	2	2	1	1
HC 140806	HC 140806 -A	14 x 8 x 6	9/32	47	2	2	1	1
HC 141006	HC 141006 -A	14 x 10 x 6	9/32	60	2	2	1	1
HC 141008	HC 141008 -A	14 x 10 x 8	5/16	73	2	2	1	1
HC 141406	HC 141406 -A	14 x 14 x 6	5/16	76	2	2	2	2
HC 141408	HC 141408 -A	14 x 14 x 8	5/16	85	2	2	2	2
HC 141410	HC 141410 -A	14 x 14 x 10	11/32	101	2	2	2	2
HC 150604	HC 150604 -A	15 x 6 x 4	1/4	32	2	2	1	1
HC 150808	HC 150808 -A	15 x 8 x 8	5/16	68	2	2	1	1
HC 150904	HC 150904 -A	15 x 9 x 4	1/4	37	2	2	1	1
HC 150906	HC 150906 -A	15 x 9 x 6	1/4	50	2	2	1	1
HC 151506	HC 151506 -A	15 x 15 x 6	9/32	80	2	2	2	2
HC 161006	HC 161006 -A	16 x 10 x 6	1/4	68	2	2	1	1
HC 161008	HC 161008 -A	16 x 10 x 8	5/16	72	2	2	1	1
HC 161204	HC 161204 -A	16 x 12 x 4	5/16	63	2	2	1	1
HC 161206	HC 161206 -A	16 x 12 x 6	5/16	70	2	2	1	1
HC 161208	HC 161208 -A	16 x 12 x 8	5/16	80	3	3	1	1
HC 161606	HC 161606 -A	16 x 16 x 6	9/32	90	3	3	2	2
HC 180604	HC 180604 -A	18 x 6 x 4	1/4	37	3	3	1	1
HC 180606	HC 180606 -A	18 x 6 x 6	5/16	53	3	3	1	1
HC 180806	HC 180806 -A	18 x 8 x 6	9/32	65	3	3	1	1
HC 180808	HC 180808 -A	18 x 8 x 8	5/16	70	3	3	1	1
HC 181204	HC 181204 -A	18 x 12 x 4	1/4	70	3	3	2	2
HC 181206	HC 181206 -A	18 x 12 x 6	5/16	83	3	3	2	2
HC 181208	HC 181208 -A	18 x 12 x 8	5/16	95	3	3	2	2
HC 181210	HC 181210 -A	18 x 12 x 10	3/8	110	3	3	2	2
HC 181212	HC 181212 -A	18 x 12 x 12	7/16	135	3	3	2	2
HC 181406	HC 181406 -A	18 x 14 x 6	9/32	93	3	3	1	1
HC 181408	HC 181408 -A	18 x 14 x 8	5/16	102	3	3	1	1
HC 181606	HC 181606 -A	18 x 16 x 6	9/32	100	3	3	1	1
HC 181608	HC 181608 -A	18 x 16 x 8	5/16	110	3	3	1	1
HC 181806	HC 181806 -A	18 x 18 x 6	3/8	118	3	3	2	2
HC 181808	HC 181808 -A	18 x 18 x 8	3/8	133	3	3	2	2
HC 181810	HC 181810 -A	18 x 18 x 10	3/8	150	3	3	2	2
HC 181812	HC 181812 -A	18 x 18 x 12	7/16	168	3	3	2	2
HC 201006	HC 201006 -A	20 x 10 x 6	3/8	73	3	3	1	1
HC 201008	HC 201008 -A	20 x 10 x 8	3/8	85	3	3	1	1
HC 202006	HC 202006	20 x 20 x 6	3/8	147	3	3	2	2
HC 240806	HC 240806 -A	24 x 8 x 6	5/16	90	3	3	1	1
HC 240808	HC 240808 -A	24 x 8 x 8	11/32	100	3	3	1	1
HC 241206	HC 241206 -A	24 x 12 x 6	5/16	103	3	3	2	2
HC 241208	HC 241208 -A	24 x 12 x 8	11/32	115	3	3	2	2
HC 241212	HC 241212 -A	24 x 12 x 12	7/16	145	3	3	2	2
HC 241606	HC 241606 -A	24 x 16 x 6	5/16	138	3	3	1	1
HC 241608	HC 241608 -A	24 x 16 x 8	11/32	145	3	3	1	1
HC 241806	HC 241806 -A	24 x 18 x 6	11/32	150	3	3	2	2
HC 241808	HC 241808 -A	24 x 18 x 8	11/32	165	3	3	2	2
HC 241810	HC 241810 -A	24 x 18 x 10	3/8	200	3	3	2	2
HC 241812	HC 241812 -A	24 x 18 x 12	7/16	220	3	3	2	2
HC 242406	HC 242406 -A	24 x 24 x 6	11/32	192	3	3	3	3
HC 242408	HC 242408 -A	24 x 24 x 8	11/32	208	3	3	3	3
HC 242410	HC 242410 -A	24 x 24 x 10	3/8	250	3	3	3	3
HC 242412	HC 242412 -A	24 x 24 x 12	7/16	293	3	3	3	3
HC 242416	HC 242416 -A	24 x 24 x 16	1/2	370	3	3	3	3
HC 281206	HC 281206 -A	28 x 12 x 6	5/16	125	3	3	1	1
HC 281208	HC 281208 -A	28 x 12 x 8	3/8	145	3	3	1	1
HC 281212	HC 281212 -A	28 x 12 x 12	7/16	185	3	3	1	1
HC 300806	HC 300806 -A	30 x 8 x 6	9/32	110	3	3	1	1
HC 300808	HC 300808 -A	30 x 8 x 8	11/32	125	3	3	1	1
HC 301212	HC 301212 -A	30 x 12 x 12	3/8	225	3	3	1	1
HC 301808	HC 301808 -A	30 x 18 x 8	3/8	225	3	3	2	2
HC 301812	HC 301812 -A	30 x 18 x 12	7/16	300	3	3	2	2
HC 301814	HC 301814 -A	30 x 18 x 14	1/2	350	3	3	2	2
HC 302406	HC 302406 -A	30 x 24 x 6	11/32	245	4	4	4	4
HC 302408	HC 302408 -A	30 x 24 x 8	3/8	255	4	4	4	4
HC 302412	HC 302412 -A	30 x 24 x 12	7/16	355	4	4	4	4
HC 302417	HC 302417 -A	30 x 24 x 17	7/16	430	4	4	4	4
HC 303006	HC 303006 -A	30 x 30 x 6	1/4	310	4	4	3	3
HC 303012	HC 303012 -A	30 x 30 x 12	7/16	415	4	4	3	3

The bottom of the anchors for mounting wing nuts and hinges extends a maximum of 1 - 3/4" below the top edge of the box and limits the space available for conduit entrances. Location of conduit entrances between anchors permits utilization of full height of the box.

HEAVY DUTY FLAT FLANGED JUNCTION BOXES

TYPE HF - cast iron
TYPE HF-A - cast aluminum
For surface mounting

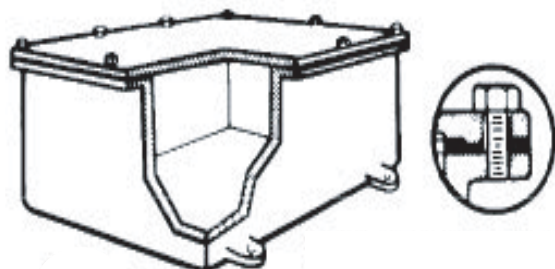
WATERTIGHT (NEMA 4) - Submersible (NEMA 6)

RAINTIGHT (UL Listed) -

Other applicable NEMA ratings - see page 1

Type HF boxes feature heavy wall thickness and wide flanges for severe types of weatherproof and watertight installations and for exposure to adverse corrosive conditions. These boxes are suitable for occasional submersion under 6' of water for 30 minutes.

Note: For prolonged submersion under 6' of water for 24 hours add suffix SUB6P to the catalog number. A price addition is involved.



UL File E28142 (118C) and E48330 (206C) Units have an oval ridge on underside of the cover for a good seal.

For ordering instructions, see pages 15-18

Standard Construction:

1. Extra heavy cast iron or cast aluminum box and cover
2. Hot-dip galvanized finished-cast iron
3. Neoprene gasket
4. Stainless steel cover screws
5. Flange ground before galvanizing
6. Mounting Lugs are standard on boxes over 100 cubic inches internal volume and optional on boxes 100 cubic inches or less

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Interior mounting buttons, blind tapped
4. Mounting plate

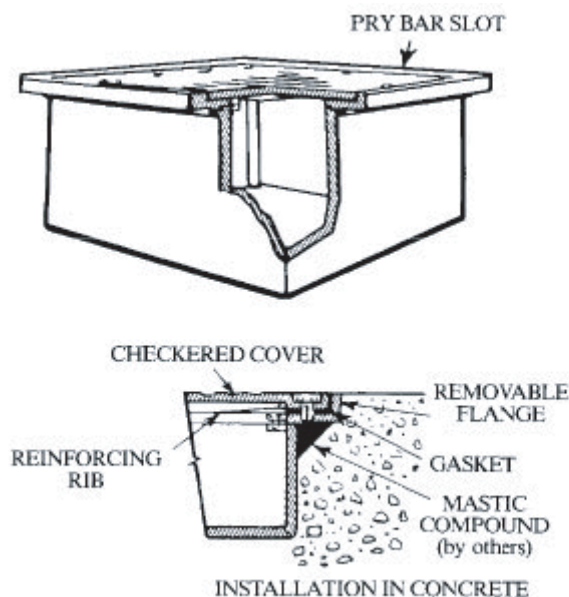
CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
HF 040402	HF 040402 -A	4 x 4 x 2	5/16	12
HF 040404	HF 040404 -A	4 x 4 x 4	5/16	18
HF 060403	HF 060403 -A	6 x 4 x 3	5/16	23
HF 060404	HF 060404 -A	6 x 4 x 4	5/16	30
HF 060604	HF 060604 -A	6 x 6 x 4	5/16	34
HF 060606	HF 060606 -A	6 x 6 x 6	5/16	38
HF 080404	HF 080404 -A	8 x 4 x 4	5/16	28
HF 080604	HF 080604 -A	8 x 6 x 4	7/16	35
HF 080606	HF 080606 -A	8 x 6 x 6	7/16	50
HF 080803	HF 080803 -A	8 x 8 x 3	7/16	42
HF 080804	HF 080804 -A	8 x 8 x 4	7/16	50
HF 080806	HF 080806 -A	8 x 8 x 6	7/16	57
HF 080808	HF 080808 -A	8 x 8 x 8	7/16	67
HF 100604	HF 100604 -A	10 x 6 x 4	7/16	48
HF 100606	HF 100606 -A	10 x 6 x 6	7/16	55
HF 100804	HF 100804 -A	10 x 8 x 4	7/16	53
HF 100806	HF 100806 -A	10 x 8 x 6	7/16	66
HF 100808	HF 100808 -A	10 x 8 x 8	7/16	70
HF 101004	HF 101004 -A	10 x 10 x 4	7/16	60
HF 101006	HF 101006 -A	10 x 10 x 6	7/16	70
HF 101008	HF 101008 -A	10 x 10 x 8	7/16	81
HF 120604	HF 120604 -A	12 x 6 x 4	7/16	50
HF 120606	HF 120606 -A	12 x 6 x 6	7/16	59
HF 120804	HF 120804 -A	12 x 8 x 4	7/16	59
HF 120806	HF 120806 -A	12 x 8 x 6	7/16	75
HF 120808	HF 120808 -A	12 x 8 x 8	7/16	85
HF 121204	HF 121204 -A	12 x 12 x 4	7/16	87
HF 121206	HF 121206 -A	12 x 12 x 6	7/16	95
HF 121208	HF 121208 -A	12 x 12 x 8	7/16	105
HF 121210	HF 121210 -A	12 x 12 x 10	7/16	115
HF 121212	HF 121212 -A	12 x 12 x 12	7/16	131
HF 140806	HF 140806 -A	14 x 8 x 6	7/16	85
HF 140808	HF 140808 -A	14 x 8 x 8	7/16	91
HF 141006	HF 141006 -A	14 x 10 x 6	7/16	100
HF 141008	HF 141008 -A	14 x 10 x 8	7/16	113
HF 141404	HF 141404 -A	14 x 14 x 4	7/16	100
HF 141406	HF 141406 -A	14 x 14 x 6	7/16	120
HF 141408	HF 141408 -A	14 x 14 x 8	7/16	130
HF 141410	HF 141410 -A	14 x 14 x 10	7/16	145
HF 161006	HF 161006 -A	16 x 10 x 6	7/16	105
HF 161206	HF 161206 -A	16 x 12 x 6	7/16	120
HF 161208	HF 161208 -A	16 x 12 x 8	7/16	125
HF 161406	HF 161406 -A	16 x 14 x 6	7/16	125
HF 161408	HF 161408 -A	16 x 14 x 8	7/16	140
HF 161410	HF 161410 -A	16 x 14 x 10	7/16	155
HF 180606	HF 180606 -A	18 x 6 x 6	7/16	100
HF 181204	HF 181204 -A	18 x 12 x 4	7/16	110
HF 181206	HF 181206 -A	18 x 12 x 6	7/17	130
HF 181208	HF 181208 -A	18 x 12 x 8	7/18	155
HF 181210	HF 181210 -A	18 x 12 x 10	7/19	170

CATALOG NUMBER		INSIDE DIMENSIONS INCHES LxWxH	APRX. WALL THICK INCHES	APRX. WT. LBS. IRON
IRON	ALUMINUM			
HF 181212	HF 181212 -A	18 x 12 x 12	7/16	185
HF 181806	HF 181806 -A	18 x 18 x 6	7/16	200
HF 181808	HF 181808 -A	18 x 18 x 8	7/16	220
HF 181810	HF 181810 -A	18 x 18 x 10	7/16	240
HF 181812	HF 181812 -A	18 x 18 x 12	7/16	255
HF 201006	HF 201006 -A	20 x 10 x 6	7/16	130
HF 201008	HF 201008 -A	20 x 10 x 8	7/16	155
HF 201206	HF 201206 -A	20 x 12 x 6	7/16	150
HF 201208	HF 201208 -A	20 x 12 x 8	7/16	168
HF 240404	HF 240404 -A	24 x 4 x 4	7/16	90
HF 240808	HF 240808 -A	24 x 8 x 8	7/16	165
HF 241206	HF 241206 -A	24 x 12 x 6	7/16	180
HF 241208	HF 241208 -A	24 x 12 x 8	7/16	195
HF 241210	HF 241210 -A	24 x 12 x 10	7/16	220
HF 241212	HF 241212 -A	24 x 12 x 12	7/16	250
HF 241606	HF 241606 -A	24 x 16 x 6	7/16	215
HF 241608	HF 241608 -A	24 x 16 x 8	7/16	230
HF 241806	HF 241806 -A	24 x 18 x 6	7/16	225
HF 241808	HF 241808 -A	24 x 18 x 8	7/16	250
HF 241810	HF 241810 -A	24 x 18 x 10	7/16	260
HF 241812	HF 241812 -A	24 x 18 x 12	7/16	320
HF 242406	HF 242406 -A	24 x 24 x 6	7/16	280
HF 242408	HF 242408 -A	24 x 24 x 8	7/16	310
HF 242410	HF 242410 -A	24 x 24 x 10	7/16	350
HF 242412	HF 242412 -A	24 x 24 x 12	7/16	370
HF 301205	HF 301205 -A	30 x 12 x 5	1/2	200
HF 301206	HF 301206 -A	30 x 12 x 6	1/2	210
HF 301208	HF 301208 -A	30 x 12 x 8	1/2	240
HF 301210	HF 301210 -A	30 x 12 x 10	1/2	275
HF 301212	HF 301212 -A	30 x 12 x 12	1/2	320
HF 301218	HF 301218 -A	30 x 12 x 18	5/8	470
HF 301808	HF 301808 -A	30 x 18 x 8	1/2	325
HF 301810	HF 301810 -A	30 x 18 x 10	1/2	375
HF 301812	HF 301812 -A	30 x 18 x 12	1/2	410
HF 302406	HF 302406 -A	30 x 24 x 6	1/2	390
HF 302408	HF 302408 -A	30 x 24 x 8	1/2	415
HF 302410	HF 302410 -A	30 x 24 x 10	1/2	465
HF 302412	HF 302412 -A	30 x 24 x 12	1/2	500
HF 303008	HF 303008 -A	30 x 30 x 8	1/2	670
HF 303010	HF 303010 -A	30 x 30 x 10	1/2	700
HF 303012	HF 303012 -A	30 x 30 x 12	1/2	740
HF 321208	HF 321208 -A	32 x 12 x 8	1/2	280
HF 321210	HF 321210 -A	32 x 12 x 10	1/2	315
HF 340404	HF 340404 -A	34 x 4 x 4	7/16	110
HF 362408	HF 362408 -A	36 x 24 x 8	1/2	700
HF 362412	HF 362412 -A	36 x 24 x 12	1/2	785
HF 363010	HF 363010 -A	36 x 30 x 10	5/8	890
HF 423010	HF 423010 -A	42 x 30 x 10	5/8	990
HF 470906	HF 470906 -A	47 x 9 x 6	5/8	335

Conduit connections in submersible enclosures should be made with pipe-thread sealing compound, with the sealant made of material that will not interrupt the grounding continuity of the conduit run.

SIDEWALK BOXES

TYPE SW - (3 piece unit) - for flush mounting



Type SW boxes are required for certain specifications. In almost all situations an ER box is preferable for flush mountings. The flush cover is designed to withstand heavy pedestrian traffic.

Flanges and covers are interchangeable for replacement without disturbing the box or conduit system. For heavier duty traffic, contact factory for TYPE SWN boxes which have ductile iron checkered covers.

Standard Construction:

1. Cast iron box and flange
2. Cast iron cross-ribbed checkered cover with pry bar slots
3. Hot-dip galvanized finish - cast iron
4. Neoprene gasket
5. Stainless steel cover screws*

At Additional Cost: (See pages 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Letters cast on cover (prices on application)
4. Ductile Cover

For ordering instructions, see pages 15-18

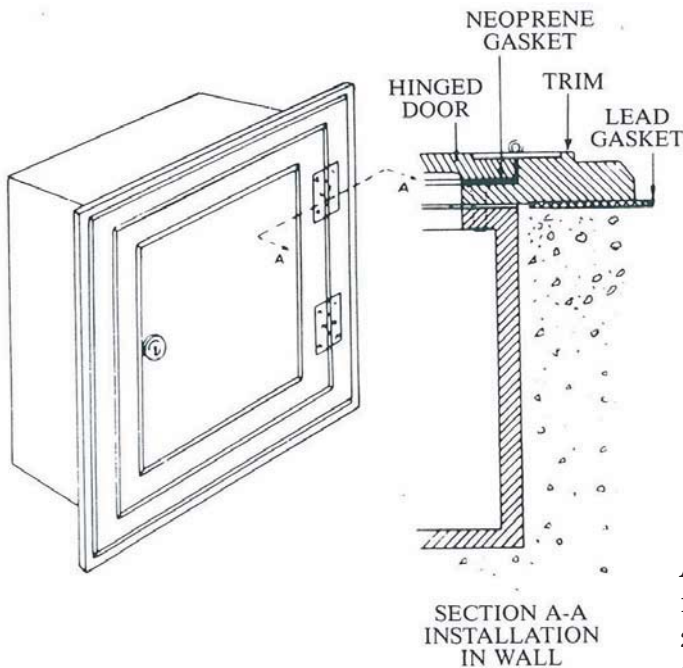
CATALOG NUMBER	INSIDE DIMENSIONS INCHES L. x W. x D.	APRX. WALL THICK. INCHES	APRX. WT. LBS.
SW 060604	6 x 6 x 4	1/4	20
SW 080604	8 x 6 x 4	1/4	24
SW 080606	8 x 6 x 6	1/4	29
SW 080804	8 x 8 x 4	1/4	31
SW 080806	8 x 8 x 6	1/4	40
SW 080808	8 x 8 x 8	1/4	44
SW 120806	12 x 8 x 6	5/16	50
SW 120808	12 x 8 x 8	5/16	60
SW 121204	12 x 12 x 4	5/16	55
SW 121206	12 x 12 x 6	5/16	80
SW 121208	12 x 12 x 8	3/8	100
SW 121212	12 x 12 x 12	3/8	125
SW 121218	12 x 12 x 18	3/8	160
SW 141406	14 x 14 x 6	5/16	124
SW 141408	14 x 14 x 8	5/16	135
SW 141410	14 x 14 x 10	3/8	150
SW 141412	14 x 14 x 12	3/8	160
SW 181015	18 x 10 x 15	3/8	180
SW 181204	18 x 12 x 4	3/8	106
SW 181206	18 x 12 x 6	3/8	115
SW 181208	18 x 12 x 8	3/8	135
SW 181210	18 x 12 x 10	3/8	155
SW 181212	18 x 12 x 12	3/8	175
SW 181218	18 x 12 x 18	3/8	230
SW 181808	18 x 18 x 8	3/8	165
SW 181812	18 x 18 x 12	3/8	200
SW 241206	24 x 12 x 6	3/8	170
SW 241208	24 x 12 x 8	3/8	180
SW 241210	24 x 12 x 10	3/8	200
SW 241212	24 x 12 x 12	3/8	210
SW 241216	24 x 12 x 16	3/8	260

CATALOG NUMBER	INSIDE DIMENSIONS INCHES L. x W. x D.	APRX. WALL THICK. INCHES	APRX. WT. LBS.
SW 241410	24 x 14 x 10	3/8	220
SW 241412	24 x 14 x 12	3/8	235
SW 241808	24 x 18 x 8	3/8	240
SW 241810	24 x 18 x 10	3/8	260
SW 241812	24 x 18 x 12	3/8	290
SW 242408	24 x 24 x 8	3/8	290
SW 242410	24 x 24 x 10	3/8	320
SW 242412	24 x 24 x 12	3/8	345
SW 242416	24 x 24 x 16	3/8	400
SW 300806	30 x 8 x 6	3/8	180
SW 301010	30 x 10 x 10	3/8	225
SW 301210	30 x 12 x 10	3/8	240
SW 301212	30 x 12 x 12	3/8	260
SW 301410	30 x 14 x 10	3/8	250
SW 301412	30 x 14 x 12	3/8	280
SW 301414	30 x 14 x 14	3/8	345
SW 301808	30 x 18 x 8	3/8	295
SW 301812	30 x 18 x 12	3/8	365
SW 302408	30 x 24 x 8	3/8	320
SW 302412	30 x 24 x 12	3/8	370
SW 302417	30 x 24 x 17	3/8	500
SW 303006	30 x 30 x 6	3/8	340
SW 303008	30 x 30 x 8	3/8	405
SW 303012	30 x 30 x 12	3/8	480
SW 361808	36 x 18 x 8	3/8	370
SW 361810	36 x 18 x 10	3/8	400
SW 361812	36 x 18 x 12	3/8	430
SW 362408	36 x 24 x 8	3/8	390
SW 362412	36 x 24 x 12	3/8	485
SW 362414	36 x 24 x 14	3/8	540
SW 482408	48 x 24 x 8	3/8	550
SW 482412	48 x 24 x 12	3/8	580

*On boxes smaller than 12" x 12" x 4", the illustrated hex head cap screws are replaced by countersunk flat head screws.

HINGED DOOR AND TRIM CABINETS

TYPE TC - for flush mounting



Type TC cabinets are designed especially for flush mounting in masonry as illustrated. They are ideal for installation in public view where an attractive box is desired. Lettering can be cast in door to indicate interior equipment or name of governmental authority. Lead gasket fits on underside of the trim and is cut full to allow for caulking and trimming. These cabinets are utilized as pull boxes and as enclosures for cutouts, signal equipment, emergency lighting switches, relays, time switches, etc.

Standard Construction:

1. Cast iron box, trim and door
2. Hot-dip galvanized finish
3. Neoprene internal gasket and lead-caulking gasket

At Additional Cost: (See page 15-18)

1. Slip holes or drilled and tapped holes
2. Bosses to provide five full threads
3. Interior mounting buttons, blind tapped
4. Mounting plate
5. Letters cast on the door as specified
6. Tamper-proof hinge connection, brass cylinder lock and 2 keys
(Specify if lock with allen head wrench is desired instead)

For ordering instructions, see pages 15-18

IRON TRIM & DOOR CATALOG NUMBER	INSIDE DIMENSIONS INCHES L. x W. x D.	APRX WALL THICK. INCHES	APRX WEIGHT LBS.
TC 060604	6 x 6 x 4	1/4	27
TC 060606	6 x 6 x 6	1/4	30
TC 080804	8 x 8 x 4	1/4	45
TC 080806	8 x 8 x 6	1/4	50
TC 080808	8 x 8 x 8	1/4	70
TC 101004	10 x 10 x 4	1/4	67
TC 101006	10 x 10 x 6	1/4	75
TC 101008	10 x 10 x 8	1/4	80
TC 121204	12 x 12 x 4	5/16	80
TC 121206	12 x 12 x 6	5/16	88
TC 121208	12 x 12 x 8	3/8	105
TC 121210	12 x 12 x 10	3/8	125
TC 121212	12 x 12 x 12	3/8	135
TC 141404	14 x 14 x 4	5/16	100
TC 141406	14 x 14 x 6	5/16	108
TC 141408	14 x 14 x 8	3/8	125
TC 141410	14 x 14 x 10	3/8	135
TC 141412	14 x 14 x 12	3/8	147
TC 161606	16 x 16 x 6	5/16	125

IRON TRIM & DOOR CATALOG NUMBER	INSIDE DIMENSIONS INCHES L. x W. x D.	APRX WALL THICK. INCHES	APRX WEIGHT LBS.
TC 161608	16 x 16 x 8	5/16	140
TC 161612	16 x 16 x 12	3/8	190
TC 161616	16 x 16 x 16	3/8	230
TC 181204	18 x 12 x 4	3/8	117
TC 181206	18 x 12 x 6	3/8	125
TC 181208	18 x 12 x 8	3/8	135
TC 181210	18 x 12 x 10	3/8	150
TC 181212	18 x 12 x 12	3/8	175
TC 181806	18 x 18 x 6	3/8	155
TC 181808	18 x 18 x 8	3/8	170
TC 181810	18 x 18 x 10	3/8	200
TC 181812	18 x 18 x 12	3/8	210
TC 242406	24 x 24 x 6	3/8	240
TC 242408	24 x 24 x 8	3/8	265
TC 242410	24 x 24 x 10	3/8	320
TC 242412	24 x 24 x 12	3/8	360
TC 242416	24 x 24 x 16	3/8	415
TC 301606	30 x 16 x 6	3/8	280
TC 422412	42 x 24 x 12	7/16	700

SPRING CITY ELECTRICAL MFG. CO, SPRING CITY, PA 19475

Customer_____Date_____

Job:_____

Order No._____

Sheet No._____

Mark Box_____

Catalog No._____

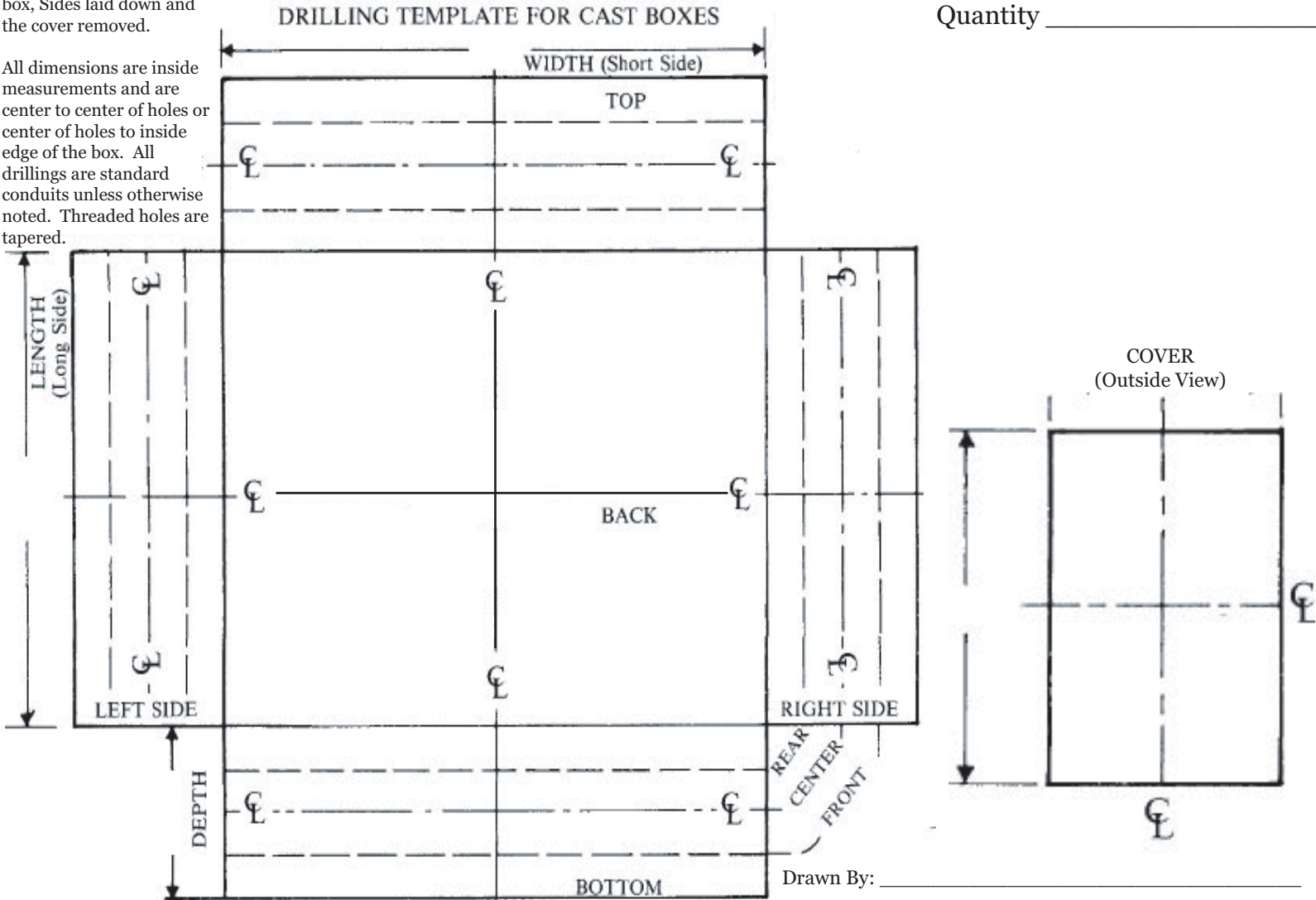
Quantity_____

NEMA Type_____

Quantity_____

View: Looking into the box, Sides laid down and the cover removed.

All dimensions are inside measurements and are center to center of holes or center of holes to inside edge of the box. All drillings are standard conduits unless otherwise noted. Threaded holes are tapered.

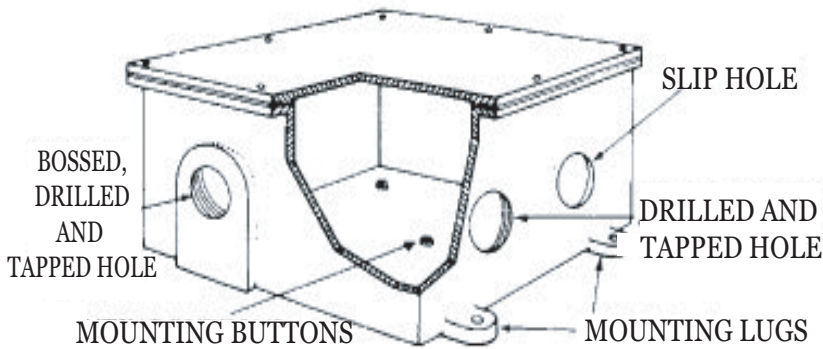


Locations that are not definitely dimensioned on drawing will be located at the discretion of Spring City Electrical Mfg.

Conduit Entrance Holes	Slip/Drill&Tap/Boss-Drill&Tap	see page 16	not req'd	☐	standard	☐	custom	☐
	Boss Only Specify thickness & Location required	see page 16	not req'd	☐			as specified	☐
Drain / Breather Fitting		see page 16	not req'd	☐	3/8" NPT	☐	1/2" NPT	☐
Drain Hole Only		see page 16	not req'd	☐	3/8" NPT	☐	1/2" NPT	☐
Mounting Lugs		see page 17	not req'd	☐	standard	☐	custom	☐
	non-standard configuration	see page 17	not req'd	☐	2	☐	4	☐
Mounting Plates		see page 18	not req'd	☐	standard	☐	custom	☐
Interior Mounting Buttons		see page 18	not req'd	☐	standard	☐	custom	☐
H-20 Vehicle Loading			not req'd	☐	standard	☐		☐
Submersible	NOTE: -SUB6 TYPE FF or HF ONLY -SUB6P TYPE HF ONLY		not req'd	☐	SUB6	☐	SUB6P	☐
Hasp, Galv. Steel			not req'd	☐	standard	☐		☐
Cover Lettering			not req'd	☐	cast	☐	engraved	☐
	specify letter height & line width i.e. 1"h 3/16"w					____ "h	____ "w	

Notes: _____

CONDUIT ENTRANCES



Conduit Spacing- Minimum spacing between conduit centers and their distance from corner and back of box are given in tables below. When not specified, spacing will be selected at our discretion.

THREAD CHART

CONDUIT SIZE	NUMBER OF THREADS PER INCH	WALL THICKNESS REQUIRED INCHES		
		5 THREADS	3 1/2 THREADS	3 THREADS
3/8"	18	9/32	7/32*	3/16*
1/2" to 3/4"	14	3/8	1/4	7/32
1" to 2"	11-1/2	7/16	5/16	9/32
2-1/2" to 6"	8	5/8	7/16	3/8

UL requirements: 1/4" minimum wall thickness. DH & DH-A Boxes-- 3-1/2 threads, other box styles - 3 threads

*1/4" Minimum Wall Thickness Required

Conduit Entrances -- Sizes and locations should be furnished on a drilling template (or comparable sketch) shown page 15.

Conduit Entrances -- Types Should be specified as follows:

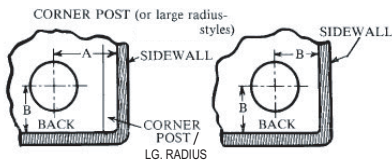
1. Slip Hole (drilled only -- for conduit clearance.)
2. Drilled and Tapped Hole (D&T) -- If the thread chart in the next column shows that the box's wall thickness does not permit required number of threads, specify bosses.
3. Bossed, Drilled and Tapped hole to provide a minimum of five full threads (Boss-D&T.)
4. Boss only, for drilling and tapping in field -- specify wall thickness required.

RECOMMENDED CONDUIT LOCATIONS AND SPACINGS

Minimum Spacing of Conduit From Sides and Back

ALLOWS FOR LOCKNUT & BUSHING CLEARANCE.

EXPLOSION-PROOF SEALS OR UNIONS REQUIRED ADDED SPACING.



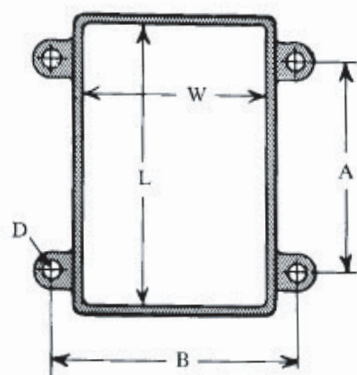
Conduit Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/3	4	5	6
Dimensions--A	1 1/4	1 1/38	1 5/8	1 7/8	2	2 3/8	2 5/8	3	3 1/4	3 5/8	4 1/4	4 7/8
Dimensions--B	1	1	1 1/8	1 3/8	1 1/2	1 3/4	2 1/8	2 1/2	2 7/8	3 1/8	3 3/4	4 3/8

IN INCHES

Size of Conduit	Minimum Space Between Centers of Conduits											
	Inches											
	6	5	4	3 1/2	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2
1/2	5	4 3/8	3 5/8	3 3/8	3	2 5/8	2 3/8	2	1 7/8	1 3/4	1 5/8	1 1/2
3/4	5 1/8	4 1/2	3 3/4	3 1/2	3 1/8	2 3/4	2 1/2	2 1/8	2	1 7/8	1 3/4	
1	5 1/4	4 5/8	4	3 5/8	3 1/4	3	2 5/8	2 3/8	2 1/4	2		
1 1/4	5 1/2	4 7/8	4 1/8	3 7/8	3 1/2	3 1/8	2 7/8	2 1/2	2 3/8			
1 1/2	5 5/8	5	4 1/4	4	3 5/8	3 1/4	3	2 5/8				
2	6	5 3/8	4 5/8	4 1/4	3 7/8	3 5/8	3 1/4					
2 1/2	6 1/4	5 5/8	4 7/8	4 5/8	4 1/4	3 7/8						
3	6 5/8	6	5 3/8	5	4 5/8							
3 1/2	7	6 1/4	5 5/8	5 1/4								
4	7 1/4	6 5/8	5 7/8									
5	8	7 1/4										
6	8 5/8											

MOUNTING LUG DATA

For Cast Iron & Cast Aluminum Boxes



Mounting lugs are recommended for a secure installation when a box is mounted to a wall or other surface. Mounting lugs are standard on S, OC, FF, HF, HC and DH type boxes above 100 cubic inches. They are available on other boxes for an additional charge. Unless otherwise specified, lugs will be spaced and drilled as described in the tables below. The dimensions in these tables are only approximate and may vary as much as 1/4" in any direction. Exact specifications must be furnished if closer tolerances are required. When two lugs are ordered, they are located at the lower left and upper right hand corners of the box sketch below.

ALL BOX TYPES EXCEPT HF & HF-A

BOX SIZE IN INCHES L. x W.	DIMENSIONS IN INCHES		BOLT HOLE DIAM. IN INCHES D
	A	B	
4 x 4	3	5-1/2	5/16
5 x 5	4	6-3/4	5/16
6 x 4	4	5-3/4	5/16
6 x 6	4	7-7/8	3/8
7 x 5	5	6-1/2	3/8
8 x 4	5	5-5/8	3/8
8 x 6	5	7-7/8	3/8
8 x 8	5	10	3/8
9 x 6	6	7-7/8	3/8
10 x 4	7	5-5/8	3/8
10 x 5	7	6-5/8	3/8
10 x 6	7	7-7/8	3/8
10 x 8	7	10	3/8
10 x 10	7	12-1/4	3/8
12 x 4	8	5-5/8	3/8
12 x 5	8	6-7/8	3/8
12 x 6	8	8-1/4	7/16
12 x 8	8	10-1/2	7/16
12 x 10	8	12-1/2	7/16
12 x 12	8	14-1/2	7/16
14 x 8	10	10-1/2	7/16
14 x 10	10	12-1/2	7/16
14 x 12	10	14-1/2	7/16
14 x 14	10	16-1/2	7/16
15 x 6	11	8-3/8	7/16
15 x 8	11	10-5/8	7/16
15 x 9	11	11-1/2	7/16
15 x 10	11	12-1/2	7/16
15 x 15	11	17-1/2	7/16
16 x 4	12	6-1/2	7/16
16 x 6	12	8-1/2	7/16
16 x 10	12	12-1/2	7/16
16 x 12	12	14-1/2	7/16
16 x 16	12	18-1/2	7/16
18 x 6	13	8-1/2	7/16
18 x 8	13	10-1/2	7/16
18 x 12	13	14-1/2	7/16
18 x 14	13	16-5/8	7/16
18 x 16	13	18-5/8	7/16
18 x 18	13	20-3/4	9/16
20 x 10	15	12-5/8	9/16
20 x 16	15	18-1/2	9/16
20 x 20	15	22-5/8	9/16

ALL BOX TYPES EXCEPT HF & HF-A

BOX SIZE IN INCHES L. x W.	DIMENSIONS IN INCHES		BOLT HOLE DIAM. IN INCHES D
	A	B	
24 x 6	19	8-5/8	9/16
24 x 8	19	10-3/4	9/16
24 x 12	19	14-3/4	9/16
24 x 14	19	16-3/4	9/16
24 x 16	19	18-3/4	9/16
24 x 18	19	20-3/4	9/16
24 x 20	19	22-3/4	9/16
24 x 24	19	26-7/8	9/16
28 x 12	22	14-7/8	9/16
30 x 6	24	8-5/8	9/16
30 x 8	24	10-3/4	9/16
30 x 12	24	14-3/4	9/16
30 x 14	24	16-3/4	9/16
30 x 18	24	21	9/16
30 x 24	24	27	9/16
30 x 30	24	33	9/16
36 x 6	30	8-5/8	9/16
36 x 8	30	10-3/4	9/16
36 x 12	30	14-7/8	9/16
36 x 18	30	21	9/16
36 x 24	30	27	9/16
36 x 30	30	33	9/16
36 x 36	30	39-1/2	9/16
40 x 24	34	27	9/16
42 x 14	36	16-7/8	9/16
42 x 18	36	21	9/16
44 x 16	38	18-7/8	9/16
48 x 6	42	8-5/8	9/16
48 x 12	42	14-7/8	9/16
48 x 24	42	27	9/16
48 x 30	42	33	9/16
48 x 36	42	39	9/16
48 x 48	42	51	9/16
54 x 24	48	27	9/16
60 x 24	54	27	9/16
72 x 30	66	33	9/16

TYPES HF AND HF-A

BOX SIZE IN INCHES L. x W.	DIMENSIONS IN INCHES		BOLT HOLE DIAM. IN INCHES D
	A	B	
4 x 4	*	*	3/8
5 x 5	3	7-1/2	3/8
6 x 4	4	6-1/2	7/16
6 x 6	4	8-1/2	7/16
8 x 4	4	6-1/2	7/16
8 x 6	4	8-1/2	7/16
8 x 8	4	10-3/4	7/16
8 1/2 x 7 1/2	4-1/2	10	7/16
10 x 6	6	8-3/4	7/16
10 x 8	6	10-3/4	7/16
10 x 10	6	12-3/4	7/16
12 x 6	8	8-3/4	7/16
12 x 8	8	10-3/4	7/16
12 x 12	8	15-1/4	9/16
14 x 8	10	10-3/4	9/16
14 x 10	10	12-3/4	9/16
14 x 14	10	17	9/16
16 x 10	12	12-3/4	9/16
16 x 12	12	15-1/4	9/16
16 x 14	12	17	9/16
18 x 6	14	8-3/4	9/16
18 x 12	14	15	9/16
18 x 14	14	17	9/16
18 x 18	13	21-1/2	9/16
20 x 10	16	13	9/16
20 x 12	16	15-1/4	9/16
22 x 8	18	10-7/8	9/16
24 x 4	20	6-7/8	9/16
24 x 8	20	10-7/8	9/16
24 x 12	20	15-1/4	9/16
24 x 16	20	19	9/16
24 x 18	19	21-1/2	9/16
24 x 24	18	27	11/16
30 x 12	25	15-1/2	11/16
30 x 18	25	21	11/16
30 x 24	23	29	11/16
30 x 30	23	34	11/16
32 x 12	27	15-1/2	11/16
34 x 4	29	6-7/8	9/16
36 x 24	30	28	11/16
36 x 30	30	34	11/16
42 x 30	36	34	11/16
46 1/2 x 9	41	11-7/8	11/16

*Two lugs furnished -- 1 centered on left side, 1 centered on right side.

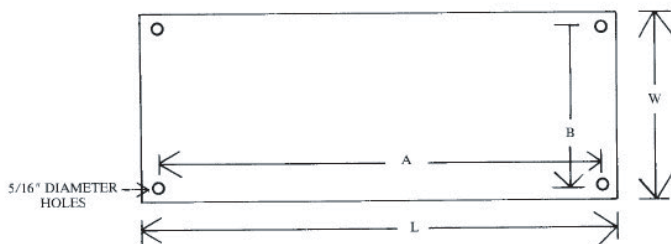
MOUNTING BUTTONS & PLATES

For Cast Iron & Cast Aluminum Boxes

Mounting Buttons for mounting equipment off the back of the box are usually for 1/2" height by 1" diameter and blind tapped for 1/4" - 20, other sizes available upon request. It is sometimes desired to locate the equipment on a mounting plate instead of directly on the mounting buttons. Mounting plates should be ordered based on the box size that they are mounted in. Pricing includes: mounting plate, mounting buttons and installation screws.

Steel Plates: 1/8" thick, cold or hot-dip galvanized as requested

Aluminum Plates: 1/8" thick up to and including the 12" x 12" box size; 1/4" thick in larger box sizes.

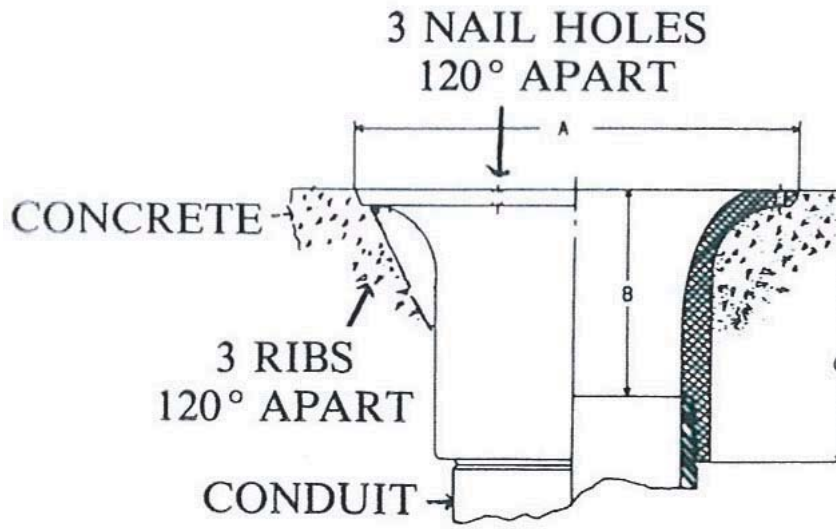


BOX SIZE LENGTH x WIDTH INCHES	MOUNTING BUTTONS ONLY	CATALOG NUMBER		DIMENSIONS IN INCHES			
		STEEL	ALUMINUM	L	W	A	B
4 x 4	B 0404	P 0404	P 0404 -A	3	3	2	2
6 x 6	B 0606	P 0606	P 0606 -A	5	5	4	4
8 x 8	B 0808	P 0808	P 0808 -A	6	6	5	5
10 x 8	B 1008	P 1008	P 1008 -A	8	6	7	5
10 x 10	B 1010	P 1010	P 1010 -A	8	8	7	7
12 x 6	B 1206	P 1206	P 1206 -A	10	5	9	4
12 x 8	B 1208	P 1208	P 1208 -A	10	6	9	5
12 x 10	B 1210	P 1210	P 1210 -A	10	8	9	7
12 x 12	B 1212	P 1212	P 1212 -A	10	10	9	9
14 x 8	B 1408	P 1408	P 1408 -A	12	6	11	5
14 x 10	B 1410	P 1410	P 1410 -A	12	8	11	7
14 x 12	B 1412	P 1412	P 1412 -A	12	10	11	9
14 x 14	B 1414	P 1414	P 1414 -A	12	12	11	11
15 x 8	B 1508	P 1508	P 1508 -A	13	6	12	5
15 x 9	B 1509	P 1509	P 1509 -A	13	7	12	6
15 x 15	B 1515	P 1515	P 1515 -A	13	13	12	12
16 x 8	B 1608	P 1608	P 1608 -A	14	6	13	5
16 x 10	B 1610	P 1610	P 1610 -A	14	8	13	7
16 x 12	B 1612	P 1612	P 1612 -A	14	10	13	9
16 x 16	B 1616	P 1616	P 1616 -A	14	14	13	13
18 x 8	B 1808	P 1808	P 1808 -A	16	6	15	5
18 x 10	B 1810	P 1810	P 1810 -A	16	8	15	7
18 x 12	B 1812	P 1812	P 1812 -A	16	10	15	9
18 x 14	B 1814	P 1814	P 1814 -A	16	12	15	11
18 x 16	B 1816	P 1816	P 1816 -A	16	14	15	13
18 x 18	B 1818	P 1818	P 1818 -A	16	16	15	15
20 x 10	B 2010	P 2010	P 2010 -A	18	8	17	7
20 x 18	B 2018	P 2018	P 2018 -A	18	16	17	15
20 x 20	B 2020	P 2020	P 2020 -A	18	18	17	17
24 x 8	B 2408	P 2408	P 2408 -A	22	6	21	5
24 x 9	B 2409	P 2409	P 2409 -A	22	7	21	6
24 x 12	B 2412	P 2412	P 2412 -A	22	10	21	9
24 x 14	B 2414	P 2414	P 2414 -A	22	12	21	11
24 x 16	B 2416	P 2416	P 2416 -A	22	14	21	13
24 x 18	B 2418	P 2418	P 2418 -A	22	16	21	15
24 x 24	B 2424	P 2424	P 2424 -A	22	22	21	21
28 x 12	B 2812	P 2812	P 2812 -A	26	10	25	9
30 x 8	B 3008	P 3008	P 3008 -A	28	6	27	5
30 x 12	B 3012	P 3012	P 3012 -A	28	10	27	9
30 x 14	B 3014	P 3014	P 3014 -A	28	12	27	11
30 x 18	B 3018	P 3018	P 3018 -A	28	16	27	15
30 x 24	B 3024	P 3024	P 3024 -A	28	22	27	21
30 x 30	B 3030	P 3030	P 3030 -A	28	28	27	27
32 x 30	B 3230	P 3230	P 3230 -A	30	28	29	27
36 x 12	B 3612	P 3612	P 3612 -A	34	10	33	9
36 x 18	B 3618	P 3618	P 3618 -A	34	16	33	15
36 x 24	B 3624	P 3624	P 3624 -A	34	22	33	21
36 x 30	B 3630	P 3630	P 3630 -A	34	28	33	27
36 x 36	B 3636	P 3636	P 3636 -A	34	34	33	33
40 x 24	B 4024	P 4024	P 4024 -A	38	22	37	21
42 x 42	B 4242	P 4242	P 4242 -A	40	40	39	39
48 x 12	B 4812	P 4812	P 4812 -A	46	10	45	9
48 x 24	B 4824	P 4824	P 4824 -A	46	22	45	21
48 x 30	B 4830	P 4830	P 4830 -A	46	28	45	27
48 x 36	B 4836	P 4836	P 4836 -A	46	34	45	33
48 x 48	B 4848	P 4848	P 4848 -A	46	46	45	45

CONDUIT END BELLS

TYPE EBI- cast ductile iron

TYPE EBA- cast aluminum*



This threaded unit is screwed on rigid or IMC conduit to provide a smooth rounded pulling surface, preventing cable damage. Nail holes are for attachment to concrete forms.

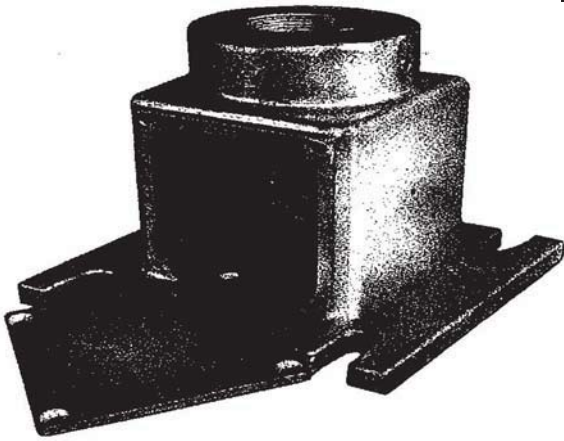
CONDUIT SIZE	TYPE EBI		TYPE EBA*		APRX. DIMENSIONS IN INCHES		
	CATALOG NUMBER	APRX. WT. LBS	CATALOG NUMBER	APRX. WT. LBS	A	B	C
1-1/2"	EBI 150	2.2	EBA 150	0.6	4-3/16	2-1/4	2-5/16
2"	EBI 200	2.4	EBA 200	1.0	4-1/2	2-1/4	2-3/8
2-1/2"	EBI 250	3.8	EBA 250	1.4	5	2-1/4	2-3/8
3"	EBI 300	4.5	EBA 300	1.6	6-1/4	2-13/16	3-5/8
3-1/2"	EBI 350	5.0	EBA 350	1.8	6-3/4	2-13/16	3-5/8
4"	EBI 400	6.0	EBA 400	2.3	7-5/16	2-13/16	3-5/8
5"	EBI 500	9.5	EBA 500	2.3	8-1/4	2-13/16	3-5/8
6"	EBI 600	10.5	EBA 600	4.0	9-5/8	2-13/16	3-5/8

Standard finish of TYPE EBI is hot-dip galvanized.

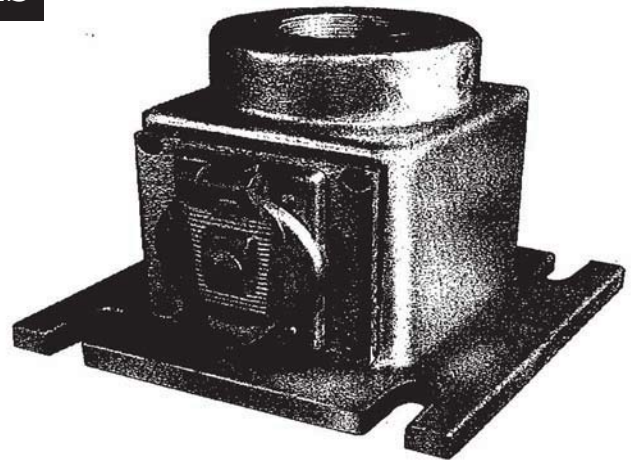
*Unless suitably coated, aluminum units are subject to corrosion under certain alkali conditions such as a flush installation in concrete.

Fittings Cross Reference Chart	Spring City	Cooper/Crouse-Hinds	OZ Gedney	Appleton
Expansion fittings (4 inch movement)	AF	XJ*	AX	XJ-4
Companion Bonding Jumper	AJ	---	BJ	---
Expansion fittings (8 inch movement)	EF	XJ*	EX	XJ-8
Companion Bonding Jumper	EJ	---	BJ	---
Expansion fittings (4 inch movement EMT)	TF	---	TX	---
Companion Bonding Jumper	YJ	---	BJ	---
End Bell	EBI	---	TNS	---

POLE BASES



TYPE LPB



TYPE RPB

(3 POLE 125 V. RECEPTACLE)

Inexpensive outdoor lighting standards are easily fabricated by combining Spring City's threaded ductile iron pole bases with a conduit or pressure pipe and fixture of your choice. Great rigidity between hollow base and pipe upright is achieved by the deep tapped hub and its strong locking engagement with the pipe. The junction chamber is ample for splicing, grounding, etc. and is tapped for 1/4"-20 ground stud. Each base is drilled and tapped for two 3/8"-16 stainless steel headless set screws, 180 degrees apart, to prevent wind-turning of the pipe. All bases can be supplied with receptacles for use with tools, appliances, supplementary lighting, etc. Type CPB base is the same as RPB with the addition of a 208 V. receptacle cover on the side opposite of the 125 V. receptacle. List price includes hot-dip galvanizing, gasket for the door, but not the anchor bolts or the ground stud. Also available at an additional cost are ground fault receptacles.

PIPE SIZE	PLAIN COVER	THREE POLE RECEPTACLE COVER	COMBINATION RECEPTACLE COVER	HEIGHT	OUTSIDE SIZE (SQUARE)	ANCHOR BOLT CENTERS (SQUARE)	ANCHOR BOLT SIZE	BOTTOM OPENING*	APPROX. WT. LBS.
	CATALOG NUMBER	CATALOG NUMBER	CATALOG NUMBER						
2"	LPB 200	RPB 200	CPB 200	7-7/8"	8-15/16"	6-5/8" x 6-5/8"	1/2"	4-1/2" x 4-1/2"	30
2 1/2"	LBP 250	RPB 250	CPB 250	7-7/8"	8-15/16"	6-5/8" x 6-5/8"	1/2"	4-1/2" x 4-1/2"	30
3"	LPB 300	RPB 300	CPB 300	7-7/8"	8-15/16"	6-5/8" x 6-5/8"	1/2"	4-1/2" x 4-1/2"	30
4"#	LPB 400	RPB 400	CPB 400	9-7/8"	9-7/8"	7-3/4" x 7-3/4"	3/4"	5-1/2" x 5-1/2"	46

*4-1/2" square opening permits four 1" conduit stubs; 5-1/2" square opening permits four 1-1/4" conduit stubs.

#Normally furnished with drilled anchor bolt holes instead of slotted openings.



LIGHTING APPLICATIONS

- o Waste Water Treatment Plants
- o Piers & docks
- o Railway platforms
- o Service stations
- o Walkways & driveways
- o Dams
- o Marinas
- o Swimming pools
- o Playgrounds
- o Parking Areas

OTHER APPLICATIONS

- o Mounting signs
- o Mounting police call boxes
- o Mounting fire boxes
- o Mounting traffic signals
- o Mounting yard speakers
- o Mounting electrical enclosures

