



**BID 50-131875**  
**PURCHASE OF MISCELLANEOUS ELECTRICAL ITEMS FOR**  
**THE PUBLIC WORKS DEPARTMENT OF SEWERAGE,**  
**EASTBANK WAREHOUSE**

**August 14, 2020 @ 11:00 A.M.**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.**

**Jefferson Parish Purchasing Department**  
**200 Derbigny Street, Suite 4400**  
**Gretna, LA 70053**  
**Please Email Questions To:**  
**Mark Buttery**  
**[MButtery@jeffparish.net](mailto:MButtery@jeffparish.net)**  
**504-364-2810**

DATE: 8/04/2020

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00131875

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR:

BUYER: MBUTTERY@jeffparish.net

**Bids will be received until 11:00 AM, 8/14/2020 via online at [www.jeffparishbids.net](http://www.jeffparishbids.net) or by hand delivery, USPS mail or other courier service to Purchasing Department, 200 Derbigny Street (General Government Building), Suite 4400, Gretna, LA 70053. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at [purchasing.jeffparish.net](http://purchasing.jeffparish.net) and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. **JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR.** Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the **LOWEST RESPONSIVE AND RESPONSIBLE BIDDER**, taking into consideration the **CONFORMITY WITH THE SPECIFICATIONS** and the **DELIVERY AND/OR COMPLETION DATE**

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

**USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS****IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

13

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.



DATE: 8/04/2020

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00131875

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR:

BUYER: MBUTTERY

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

5-7 days

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

\_\_\_\_\_

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

\_\_\_\_\_

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 13

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME:

Graybar Electric

SIGNATURE:

(Must be signed here) Michael Skelton

TITLE:

Sales

PRINT OR TYPE NAME:

Michael Skelton

ADDRESS:

1205 Distributors Row

CITY, STATE:

Harahan, LA

ZIP:

70123

TELEPHONE:

(504)

FAX:

(504) 733-5478

EMAIL ADDRESS:

michael.skelton@graybar.com

TOTAL PRICE OF ALL BID ITEMS: \$ 3,445.12

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00131875

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			PURCHASE OF MISCELLANEOUS ELECTRICAL ITEMS FOR THE PUBLIC WORKS DEPARTMENT OF SEWERAGE EASTBANK WAREHOUSE		
1	40.00	EA	0001 - Switch, selector, maintained 3 position, hank/off/auto, 120 VOLT,  with contact block included, Idec no. ASD32ONU (0871340)	N	B
2	1.00	EA	0002 - Box gen rain 200A 240V 4P 3F ITE no. NR424  (0874080)	N	B
3	24.00	EA	0003 - Hanger, standard, for 1 inch EMT conduit, with stove bolts,  Appleton catalog no. H100-SWB (0878660) <i>Quoted</i>	\$0.32	\$7.65
4	25.00	EA	<i>Crouse Hinds #2B</i> 0004 - Connector, female plug, 2 pole 3 wire, ground, 20 amp, 125 volt,  Daniel Woodhead no. 1533 (0881030)	N	B
5	2,000.00	LF	0005 - Wire, electrical, no. 16 solid TFN, blue insulation, 500 ft spool,  copper (0882710)	\$0.08599	\$169.98
6	10.00	EA	0006 - Blower, shaded pole, 1/12 HP, 115 volt, 1650 RPM, auto thermal  protection, 6-3/16 inch wheel diameter, 485 CFM, Grainger no. 1TDR7 (0891720)	N	B
7	8.00	EA	0007 - Connector, cable 1 3/8 inch for 1 1/4 inch KO cast zinc, two steel  screws, Grainger no. 16D441 (087796D) <i>Quoted Arlington #8404</i>	\$4.25	\$33.98
8	50.00	EA	0008 - Fixture, led, wall pack, classic medium, outdoor general purpose, 50W,  120-277V, 5848 lumens, recommended mounting height 10 to 15 feet, Morris products catalog no. 71437 (0881210)	\$61.63	\$3,081.50

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00131875

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
9	8.00	EA	0009 - Contact, parts type A, size 1, 3 or 4 pole, Westinghouse no.  Westinghouse no. 373B331G09 or Hoyt brand (0853030)	N	B
10	10.00	EA	0010 - Non reversing contactor, size 3, 3 pole, 120 volt, enclosure: open,  new in factory box equals must be same dimensions, Westinghouse no. A201K3CA, model J (0861580)	N	B
11	4.00	EA	0011 - Switch, toggle 20 amp, 120 volt, 3-way, G.E. no. GE5953-2G (0873530) <i>Quoted Hubbell part # CS320F</i>	\$2.92	\$11.68
12	10.00	EA	0012 - Cover, square 4 in flat, 1/2 in knockout, Appleton no. 8474 (0881390) <i>Quoted Crance Hinds part # TP478</i>	\$0.493	\$4.96
13	15.00	EA	0013 - Fuse, one time, 30 amp, 250 volt, Buss catalog no. NON-30 (0855880)	\$0.85	\$12.75
14	24.00	EA	0014 - Timer, 1 second to 10 minute range, 120 VAC, Idec no. RTE-P1AF20 (0862020)	N	B
15	100.00	EA	0015 - Fork, Sta-Kon, 12-10 wire range, no. 6 hole, insulated,  Thomas and Betts no. 10RC6F (0870450) <i>Quoted panduit part # PV10-6F-L</i>	\$0.498	\$49.80
16	10.00	EA	0016 - Nipple, conduit, aluminum, 1/2 in x 3 in (0881540)	\$1.831	\$18.31
17	100.00	EA	0018 - Resin, electrical insulating, size B, two part, 3M brand  Scotchcast 4N-B (0885510)	N	B
18	2.00	EA	0019 - Breaker, circuit, 100 amperes, 240 volt, 3 pole, with lugs, new,	N	B

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00131875

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
19	2.00	EA	Westinghouse no. QC-3100H (0841500)  0020 - Breaker, circuit, 15 amperes, 480 volt, 2 pole, with lugs,  new in factory box, Westinghouse no. GHC2015 (0841560)	N	B
20	12.00	EA	0021 - Controller, pump, Mercoid/Dwyer Brand part no. MPC,  USABLUEBOOK stock no. MD-62440 (0861770)	N	B
21	2.00	EA	0022 - Fitting, conduit, 1 inch, type T, FM7 grayloy-iron body with wedge-lok clip cover and gasket, Appleton no. T37 (0876280) Quoted Crouse Part # T37	\$27.27	\$54.54



# Rigid/Intermediate Grade Conduit Fittings

## Conduit Clamps, Straps, Hangers

### CABLE AND CONDUIT HANGERS – STEEL

#### Certifications and Compliances:

- UL Listed

#### With Bolt



Rigid Fittings

Cat. #	Conduit Sizes		Unit Qty.	Wt. Lbs. Per 100
	EMT	Rigid		
0B	1/2"	3/8" and 1/2"	100	6
1B	3/4"	3/4"	100	6
* 2B	1"	1"	100	8
2 1/2 B	1 1/4"	-	100	10
3 B	1 1/2"	1 1/4"	100	11
4 B	-	1 1/2"	100	16
5 B	2"	2"	50	23
6 B	2 1/2"	2 1/2"	50	29
7 B	3"	3"	25	31
8 B	3 1/2"	3 1/2"	10	38
9 B	4"	4"	10	38

### CABLE AND CONDUIT HANGERS – STEEL

#### Applications:

- Used to provide mechanical support to conduit and raceway systems

#### Certifications and Compliances:

- UL Listed
- cUL Listed

#### With Extruded Hole and Bolt



Cat. #	Description	Unit Qty.	Wt. Lbs. Per 100
0BX	3/8 and 1/2 RGD 1/2 EMT	100	6
1BX	3/4 RGD 3/4 EMT	100	7
2BX	1 RGD 1 EMT	100	11
2 1/2 BX	1 1/4 EMT	100	10
3BX	1 1/4 RGD 1 1/2 EMT	100	13
4BX	1 1/2 RGD	100	16
5BX	2 RGD 2 EMT	50	17

### BEAM CLAMPS/INSULATOR SUPPORTS – MALLEABLE IRON

#### Standard Finish:

- Zinc plated

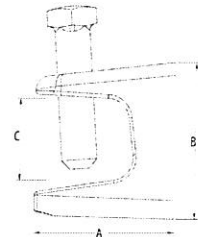
UL File No. E-184283



Cat. #	Base Size	Jaw Opening	Max. Wt. Support	Tapped Holes	Unit Qty.	Wt. Lbs. Per 100
528	3/4"	5/8"	50	10 - 24	25	14
529	3/4"	5/8"	50	1/4" - 20	25	13
530	1"	3/4"	60	10 - 24	25	23
531	1"	3/4"	100	1/4" - 20	25	24
532	1 1/2"	3/4"	80	5/16" - 18	50	47
533	2"	7/8"	100	3/8" - 16	25	81
534	2 1/2"	7/8"	200	1/2" - 13	25	155

#### Dimensions (in Inches):

Cat. #	A	B	C	Max. Beam Thickness
528	1.10	1.23	0.56	1/2"
529	1.10	1.25	0.57	1/2"
530	1.37	1.37	0.67	5/8"
531	1.25	1.39	0.69	5/8"
532	1.47	1.57	0.91	7/8"
533	1.75	1.82	1.12	1"
534	2.28	2.15	1.04	1"



### BEAM CLAMPS/INSULATOR SUPPORTS – STEEL



Cat. #	Base Size	Jaw Opening	Tapped Holes	Unit Qty.	Wt. Lbs. Per 100
529 S	3/4"	5/8"	1/4" - 20	50	13

# **A** Arlington

## **Part : 8404**

Description: Cable Connectors

Listing: ULCSA

Country of Origin: USA

Weight: 0.242 lbs/each

Height: 1.144"

Width: 1.872"

Cable Range: 1.050 - 1.345

End Stop Diameter: 1.030

Knockout Size(s): 1-1/4"

## **Packaging**

Unit: 10 pcs

Standard: 100 pcs



# Switches, Three Way 20A, 120-277V AC Specification Grade Commercial Switch

# HUBBELL

## Features

- Thread cleaning captive mounting screw
- Abuse resistant nylon toggle
- Steel, zinc plated bridge is corrosion resistant

## Ordering Information

Description	Toggle Color	UPC	Catalog Number
Toggle, side wired only	Ivory	783585902159	CS320I

## Listings

JL Listed  
NSA Certified  
UL Spec. W-S-896

## Specifications

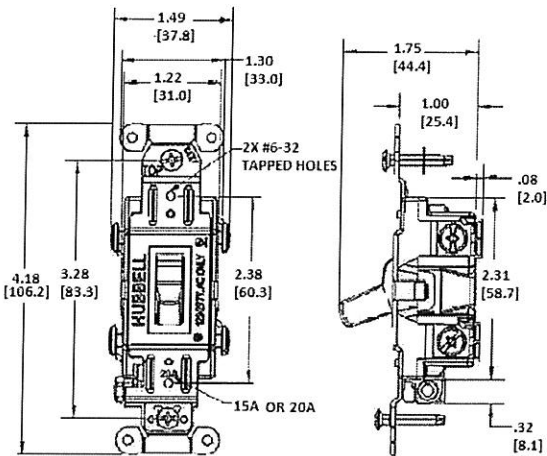
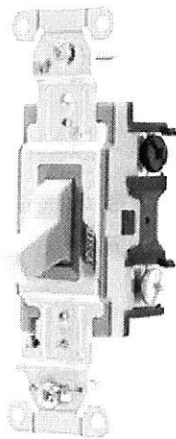
Top Material	Thermoplastic, Gray
Base Material	Thermoplastic, Black
Toggle Material	Nylon
Contacts	Silver Alloy
Terminal Screws	Brass
Auto Grounding Mounting Bridge	Zinc Plated Steel
Ground Screw	Brass (Green)

## Performance

<b>Electrical</b>	
Dielectric Voltage	Withstands 1500V AC minimum for 1 minute
Max. Continuous Current	20A
Max. Working Voltage	277V AC
Overload	Minimum 4.8 times rated current for 100 cycles
Temperature Rise	30°C maximum at rated current

<b>Mechanical</b>	
Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only

<b>Environmental</b>	
Flammability	UL 94V-2
Operating Temperature	Max. continuous: 75°C; Min. continuous: -40°C without impact



## Online Resources

Customer Use Drawing  
eCatalog

# Steel Square Covers

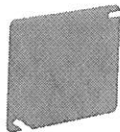
## COVERS FOR 4" SQUARE BOXES – CUBIC INCH CAPACITY (SEE BELOW)

UL LISTED

#8-32 Screw Used on Covers



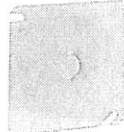
TP472



TP472RED



TP474



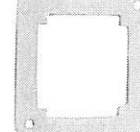
TP478  
TP487



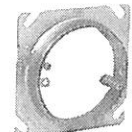
TP473, TP475,  
TP476, TP477,  
TP479, TP483



TP850\*



TP854\*



AMR0

Cat. #	Description	Unit Qty.	Wt. Lbs. Per 100	Capacity Cu. In.
TP472†	Flat Blank	50	31	-
TP472RED	Flat Blank, Red	50	31	-
TP474†	Flat, Open with Ears 2 3/4"	50	21	-
✱ TP478†	Flat, with 1/2" KO	50	31	-
TP487†	Flat, with 3/4" KO	50	29	-
TP473†	Raised 1/4", Open with Ears 2 3/4"	50	23	1.3
TP476†	Raised 1/2", Open with Ears 2 3/4"	50	26	4.0
TP477†	Raised 5/8", Open with Ears 2 3/4"	50	27	5.0
TP475†	Raised 3/4", Open with Ears 2 3/4"	25	31	6.0
TP479†	Raised 1", Open with Ears 2 3/4"	25	34	7.0
TP483†	Raised 1 1/4", Open with Ears 2 3/4"	25	37	8.5
AMR0**	3/4" - 1 1/2" Round Adjustable Mud Ring	25	44	6.1
<b>Air Plenum</b>				
TP850*	Flat Blank Gasketed with Captive Screws	25	31	-
TP854*	Flat Ring Double Gasketed	25	12	-

\*For Air Plenum (no mounting holes) - not UL Listed.

\*\*ETL listed.

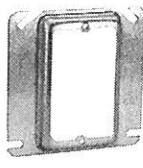
†CSA certified.

## MUD RINGS FOR 4" SQUARE STEEL OUTLET BOXES

UL LISTED



TP480



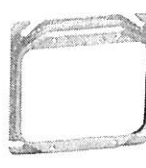
TP482, TP484,  
TP486, TP489



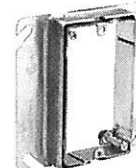
TP494



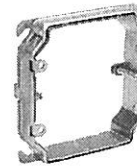
TP488, TP490



TP496, TP499,  
TP500, TP501,  
TP502



AMR1



AMR2



AMR158

Cat. #	Description	Unit Qty.	Wt. Lbs. Per 100	Capacity Cu. In.
<b>One Device</b>				
TP480†	Flat	50	20	-
TP482†	1/4" Raised	50	21	1.8
TP484†	1/2" Raised	50	23	3.8
TP489†	5/8" Raised	50	26	4.3
TP486†	3/4" Raised	50	30	5.5
TP488	1" Raised	50	34	6.8
TP490	1 1/4" Raised	25	39	8.5
AMR1**	3/4" - 1 1/2" Raised Adjustable	25	47	-
AMR158**	5/8" - 1 1/4" Raised Adjustable	25	44	6.0
<b>Two Device</b>				
TP494†	Flat	50	12	-
TP496†‡	1/4" Raised	50	13	3.0
TP498†‡	1/2" Raised	50	18	6.0
TP499†‡	5/8" Raised	50	22	8.0
TP500†‡	3/4" Raised	50	24	9.0
TP501	1 1/4" Raised	25	31	14.0
TP502	1" Raised	25	30	11.7
AMR2**	3/8" - 1 1/2" Raised Adjustable	25	50	11.3

\*\*cULus Listed.

†CSA certified.

‡Slotted design for use with 4" square box partitions.

THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.

PANDUIT PART NUMBER	STUD SIZE	DIMENSIONS in.				
		A ±.03	W ±.01	C ±.02	M ±.03	H ±.01
PV10-6F	#6	1.01 (25.65)	.31 (7.87)	.25 (6.35)	.81 (20.57)	.14 (3.56)
PV10-8F	#8	1.04 (26.42)	.37 (9.40)	.25 (6.35)	.81 (20.57)	.17 (4.32)
PV10-10F	#10	1.04 (26.42)	.37 (9.40)	.25 (6.35)	.81 (20.57)	.20 (5.08)
PV10-14F	1/4"	1.14 (28.96)	.49 (12.45)	.32 (8.13)	.88 (22.35)	.26 (6.60)

NOTES:

1. Used for:

A. #14-10 AWG Solid or stranded copper wire range, 600V max voltage rating, and 221°(105°C) max temp rating with CT-550 installation tool #12 str or sol & #10 str w/ CT-1551, CT-1550 installation tool

B. #12-10 AWG Solid or stranded copper wire range, 300V max voltage rating, and 167°F (75°C) max temp rating with CT-100 installation tool

2. Wire strip length: 5/16 +1/32 -0 (7.9 +0.8 -0)

3. Package Quantity (Suffix to basic part no.)

A. Standard -L=50

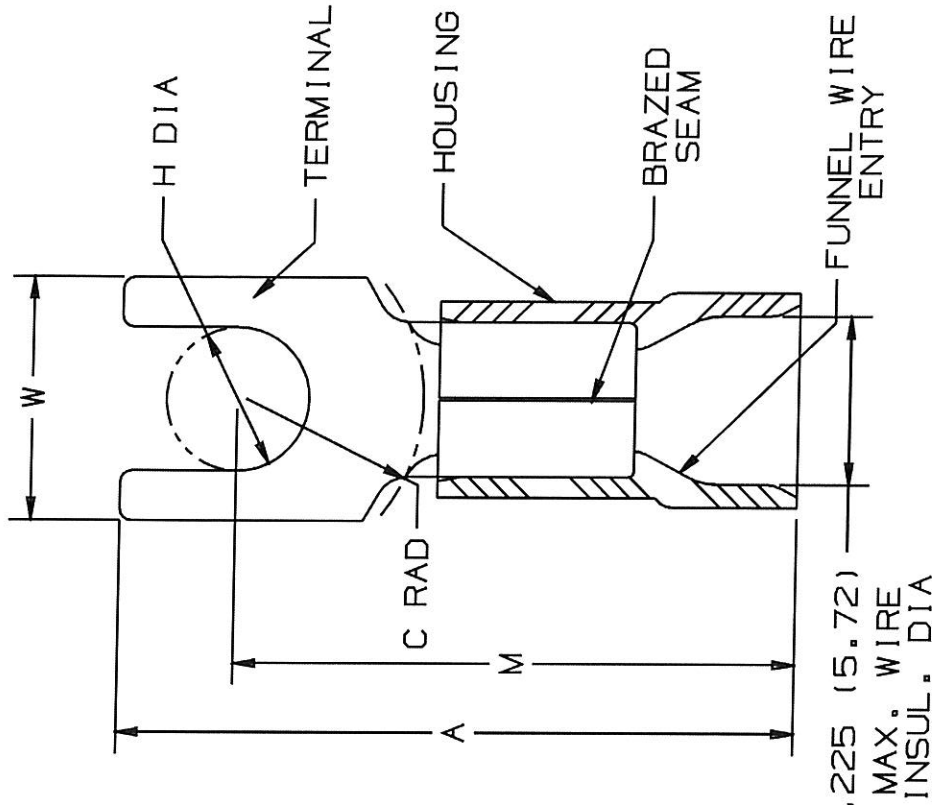
B. Bulk -D=500

4. Material:

A. Stamping: .040 (1.02) thick tin plated copper

B. Housing: Yellow vinyl

5. Dimensions in brackets are in millimeters



CERTIFIED  
LR31212

LISTED  
587H  
E52164

A41189-03

**PANDUIT**  
CORP.

TINLEY PARK, ILLINOIS

2PC. VINYL INSULATED,  
#12-10 BARREL, FORKS












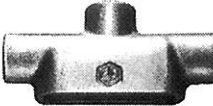
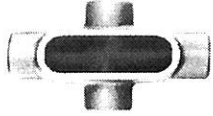
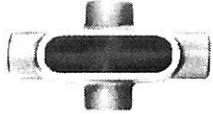
REV	DATE	BY	CHK	DESCRIPTION	ECN#	CUST	PM	DRN BY	FES	QTY	FS	SCALE	NONE	DWG NO.
03	1/01	KMD		CAD FILE SPEC. WAS N41189AA_PCD_02										A41189
02	5/99	JKD		ADDED CT-1551 & CT-1550 TOOLS	07634									
01	6-95	MS	RLS	UPDATED NOTES AND DIMENSIONS	03403	LA	KS							
00	3-88	FS	LM	RELEASED		LA	JB							

# Condulet® Conduit Bodies - Cast Iron or Aluminum

1F

Dimensions Pgs. See pages 10-12 (Dimensions for Form 5 – see Section CP)

## Threaded Rigid Bodies

Shape	Style	Hub Size									
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
	<b>C</b>										
	Form 7	C17	C27	C37	C47	C57	C67	C77	C87		
	Form 8	C18	C28	C38	C448	C58	C68	C78	C88		
	Mark 9	C19	C29	C39	C49	C59	C69	C789	C889	C989	C1089
	Form 5	C50M	C75M	C100M	C125M*	C150M*	C200M*	C250M*	C300M*	C350M*	C400M*
	Series 5	C15	C25	C35	C45	C55	C65	C75	C85	C95*	C105*
	<b>E</b>										
	Form 7	E17	E27	E37							
	<b>L</b>										
	Form 7	L17	L27	L37	L47	L57	L67				
	Double faced – may be used as LL or LR – has 2 openings, one of which is furnished with a blank sheet steel cover										
	<b>LB</b>										
	Form 7	LB17	LB27	LB37	LB47	LB57	LB67	LB777	LB87	LB97	LB107
	Form 8	LB18	LB28	LB38	LB448	LB58	LB68	LB78	LB888	LB98	LB108
	Mark 9	LB19	LB29	LB39	LB49	LB59	LB69	LB789	LB889	LB989	LB1089
	Form 5	LB50M	LB75M	LB100M	LB125M*	LB150M*	LB200M*	LB250M*	LB300M*	LB350M*	LB400M*
	Series 5	LB15	LB25	LB35	LB45	LB55	LB65	LB75	LB85	LB95	LB105
	<b>LL</b>										
	Form 7	LL17	LL27	LL37	LL47	LL57	LL67	LL777	LL87	LL97	LL107
	Form 8	LL18	LL28	LL38	LL448	LL58	LL68	LL78	LL888		
	Mark 9	LL19	LL29	LL39	LL49	LL59	LL69	LL789	LL889	LL989	LL1089
	Form 5	LL50M	LL75M	LL100M	LL125M	LL150M	LL200M	LL250M	LL300M	LL350M	LL400M
	Series 5	LL15	LL25	LL35	LL45	LL55	LL65	LL75	LL85	LL95	LL105
	<b>LR</b>										
	Form 7	LR17	LR27	LR37	LR47	LR57	LR67	LR777	LR87	LR97	LR107
	Form 8	LR18	LR28	LR38	LR448	LR58	LR68	LR78	LR888		
	Mark 9	LR19	LR29	LR39	LR49	LR59	LR69	LR789	LR889	LR989	LR1089
	Form 5	LR50M	LR75M	LR100M	LR125M	LR150M	LR200M	LR250M	LR300M	LR350M	LR400M
	Series 5	LR15	LR25	LR35	LR45	LR55	LR65	LR75	LR85	LR95	LR105
	<b>T</b>										
	Form 7	T17	T27	<del>T37*</del>	T47	T57	T67	T77	T87	T97	T107
	Form 8	T18	T28	T38	T448	T58	T68	T78	T88		
	Mark 9	T19	T29	T39	T49	T59	T69	T789	T889	T989	T1089
	Form 5	T50M	T75M	T100M	T125M	T150M	T200M	T250M	T300M	T350M	T400M
	Series 5	T15	T25	T35	T45	T55	T65	T75	T85	T95*	T105*
	<b>TA</b>										
	Form 7	TA17	TA27	TA37	TA47	TA57	TA67				
	<b>TB</b>										
	Form 7	TB17	TB27	TB37	TB47	TB57	TB67				
	Form 8	TB18	TB28	TB38	TB448	TB58	TB68				
	Mark 9	TB19	TB29	TB39	TB49	TB59	TB69				
	Form 5	TB15	TB25	TB35	TB45	TB55	TB65				
	Series 5	TB50M	TB75M	TB100M	TB125M	TB150M	TB200M				
	<b>X</b>										
	Form 7	X17	X27	X37	X47	X57	X67				
	Form 8	X18	X28	X38	X448	X58	X68				
	Mark 9	X19	X29	X39							
	Form 5	X15	X25	X35	X45	X55	X65				
	Series 5	X50M	X75M	X100M	X125M	X150M	X200M				

\* 1 1/2" - 4" Form 5 LB and C bodies are supplied with built-in rollers to facilitate wire pulling.