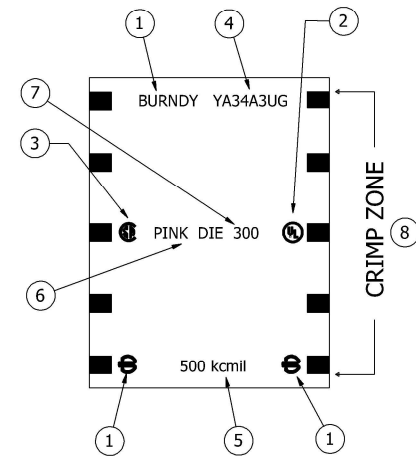
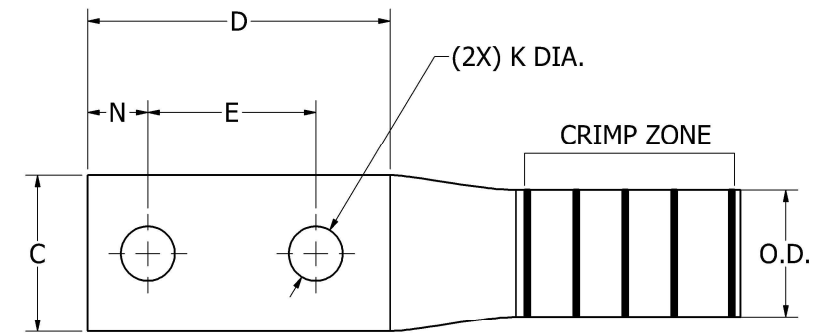
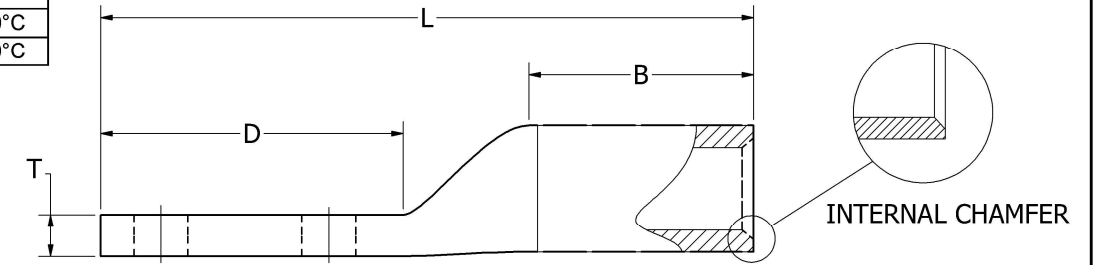


CATALOG NUMBER	WIRE / CONDUCTOR SIZE			STUD SIZE	NO. OF HOLES	STUD HOLE DIAMETER	OUTSIDE DIAMETER	BARREL LENGTH (B)	PAD WIDTH (C)	PAD LENGTH (D)	HOLE SPACING (E)	OVERALL LENGTH (L)	HOLE OFFSET (N)	PAD THICKNESS (T)	COLOR CODE	DIE INDEX	WIRE STRIP LENGTH	TEMP RATING
	ALUMINUM	COPPER	CCA															
YA34A3UG	500 KCMIL	500 KCMIL	350 KCMIL DLO (551/22)	1/2	2	.56 [14]	1.32 [34]	2.34 [59]	1.62 [41]	3.15 [80]	1.75 [44]	6.80 [173]	.63 [16]	.46 [12]	PINK	300	2-5/8"	90°C
YA36A3UG	600 KCMIL	600 KCMIL	500 KCMIL DLO (779/22)	1/2	2	.56 [14]	1.44 [37]	2.47 [63]	1.62 [41]	3.15 [80]	1.75 [44]	7.09 [180]	.63 [16]	.52 [13]	BLACK	473	2-7/8"	90°C
YA39A5UG	700-750 KCMIL 900 COMPACT	750 KCMIL	600 KCMIL DLO (925/22)	1/2	2	.56 [14]	1.46 [37]	2.46 [62]	1.62 [41]	3.15 [80]	1.75 [44]	7.07 [180]	.63 [16]	.43 [11]	YELLOW	936	2-7/8"	90°C
YA31A3UG	350 KCMIL	350 KCMIL	250 KCMIL DLO (399/22)	1/2	2	.56 [14]	1.11 [28]	1.85 [47]	1.52 [39]	3.15 [80]	1.75 [44]	6.07 [154]	.63 [16]	0.39 [10]	BROWN	299	1-1/8"	90°C
YA32A3UG	400 KCMIL	400 KCMIL	---	1/2	2	.56 [14]	1.19 [30]	2.26 [57]	1.62 [41]	3.15 [80]	1.75 [44]	6.15 [156]	.63 [16]	0.43 [11]	GREEN	472	2-1/2"	90°C

REV	DATE	DESCRIPTION	ECO	BY	CHK.
D	08/14/2024	UPDATED DRAWING AS PER MARKUPS	240802041511	RA	YR



- TYPICAL MARKINGS:
- BURNDY COMPANY IDENTIFIER
  - UL LOGO, IF APPLICABLE
  - CSA LOGO, IF APPLICABLE
  - BURNDY CATALOG NUMBER
  - WIRE ACCOMMODATES
  - COLOR CODE IDENTIFIER
  - DIE INDEX NUMBER
  - CRIMP ZONE BANDS (KNURL MARKS)

NOTES:

- CONNECTOR: UNINSULATED ALUMINUM COMPRESSION TERMINAL. MADE FROM SEAMLESS ALUMINUM TUBING, AND TIN PLATED.
- CONNECTION: COMPRESSION CONNECTIONS MADE ARE IRREVERSIBLE AND MAINTENANCE FREE.
- APPLICABLE STANDARDS: PRODUCTS ARE ONLY UL LISTED AND CSA CERTIFIED WHEN INSTALLED USING THE BURNDY ENGINEERED SYSTEM: TOOLS, DIES (IF APPLICABLE), AND CONNECTORS. THE USE OF OTHER INDUSTRY TOOLING AND OR DIES ON BURNDY CONNECTORS WILL VOID THE UL LISTING AND CSA CERTIFICATIONS.
  - UL LISTING TO UL486A-486B-WIRE CONNECTORS
  - CSA C22.2 No.65
- TEMPERATURE AND VOLTAGE RATING:
  - UL LISTED 90°C OR 75°C, UP TO 35kV.
  - ALUMINUM CONNECTORS MARKED AL9CU ACCOMMODATE ALUMINUM (AL) AND COPPER (CU) WIRE UP TO 90°C.
  - ALUMINUM CONNECTORS MARKED AL7CU ACCOMMODATE ALUMINUM (AL) AND COPPER (CU) WIRE UP TO 75°C.
- WIRE ACCOMMODATE TYPES (SEE TABLE): DUAL RATED TO ACCOMMODATE ALUMINUM AND COPPER WIRE.
  - ALUMINUM AND COPPER CLAD ALUMINUM (CU): CLASS B (CONCENTRIC, COMPRESS, COMPACT) STRANDING.
  - COPPER WIRE (AL): CLASS B (CONCENTRIC, COMPRESS, COMPACT) OR CLASS C STRANDING.
  - FLEXIBLE CCA STRANDING: SEE TABLE.
- FEATURES:
  - BARREL TYPICAL ROLL MARKINGS (AS SPACE PERMITS): CRIMP ZONE IS INDICATED BY KNURL BANDS, BURNDY CORPORATE NAME OR LOGO, UL LOGO (IF APPLICABLE), CSA LOGO (IF APPLICABLE), WIRE SIZE, DIE COLOR CODE (IF SPACE PERMITS), DIE INDEX NUMBER.
  - BARREL DESIGN: BARREL END AT THE WIRE HAS AN INTERNAL CHAMFER, ALLOWING FOR A SMOOTH WIRE INSERTION.
  - TERMINALS ARE PRE-FILLED WITH PENETROX™ A13, WHICH IS AN OXIDE INHIBITOR.
  - EACH TERMINAL HAS A COLOR-CODED END CAP TO MATCH THE DIE COLOR CODE. THIS ALSO PREVENTS PARTICLES FROM ENTERING THE BARREL.
  - PAD/TONGUE/TANG/SPADE DESIGN: ONE-HOLE, TWO-HOLE, AND FOUR HOLE DESIGNS. CONTACT CUSTOMER SERVICE FOR ALTERNATE PAD CONFIGURATIONS.
  - FIELD BENDING STRAIGHT LUGS TO ACHIEVE AN ANGULAR CONNECTION WILL VOID ALL APPLICABLE STANDARDS LISTED IN NOTE 2.
  - CATALOG NUMBER SUFFIX DT OR DTS: INDICATES THAT THE TRANSITION IN THE TERMINAL BETWEEN THE PAD AND BARREL ARE SOLDER OR BRAZE SEALED TO BE OIL TIGHT INSIDE THE BARREL. THIS PREVENTS ANY LIQUIDS FROM EXITING OR ENTERING THE BARREL THROUGH THE PAD.
  - PLEASE CONTACT CUSTOMER SERVICE FOR 45°, 90°, AND OR OTHER ANGULAR LUGS FOR PRODUCT AVAILABILITY.
- DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS ROUNDED OFF TO THE NEAREST MILLIMETER, UNLESS OTHERWISE SPECIFIED AND ARE FOR REFERENCE ONLY.

TO ORDER BURNDY® PRODUCTS CALL  UNITED STATES 1-800-346-4175 (LONDONDERRY, NH)  CANADA: 1-800-387-6487  FOR PRODUCT INFO: <a href="http://www.burndy.com">http://www.burndy.com</a>	HYLUG™	
	ITEM NO: SEE TABLE	CAT. NO: SEE TABLE
DRAWN BY: JAFET GARCIA 12/22/2021 CHECKER: A. PINEDA 12/22/2021 DSN APRVL: JAFET G. 12/22/2021 MFG APRVL: J. FIERRO 12/22/2021 QA APRVL: E. RIVERA 12/22/2021 MKT APRVL: J. C. PRIOR 12/22/2021		
	PROJECT #: --	SIZE
	DOCUMENT TYPE: SALES	D
	REL LEVEL: Released	D
DRAWING NO		REV
50117097		D
SHEET 1 OF 2		

CATALOG NUMBER DESIGNATION	WIRE / CONDUCTOR SIZE			Wire Strip Length	COLOR CODE INDEX#	Hydraulic Tools - Dies Required (# Crimps)				Hydraulic Tools - Dieless Required (# Crimps)		
	ALUMINIUM	COPPER	CCA			750, Series	45 Series Use PT6515 with U Dies	46 Series Use PUADP1 with U Dies	60 Series	81K, 4PC SERIES	644 SERIES	444S SERIES
YA31A3UG	350 KCMIL	350 KCMIL	250 KCMIL DLO (399/22)	1-1/8	BROWN 299	U31ART(2)	U31ART(2)	U31ART(2)	---	3 CRIMPS	1 CRIMP	1 CRIMP
YA32A3UG	400 KCMIL	400 KCMIL	---	2-1/2	GREEN 472	U32ART(4)	U32ART(4)	U32ART(4)	---	4 CRIMPS	1 CRIMP	1 CRIMP
YA34A3UG	500 KCMIL	500 KCMIL	350 KCMIL DLO (551/22)	2-5/8	PINK 300	U34ART (4)	U34ART (4)	U34ART (4)	L34ART (2)	4 CRIMPS	1 CRIMP	1 CRIMP
YA36A3UG	600 KCMIL	600 KCMIL	500 KCMIL DLO (779/22)	2-7/8	BLACK 473	U36ART (4)	U36ART (4)	U36ART (4)	L36ART (2)	4 CRIMPS	1 CRIMP	1 CRIMP
YA39A5UG	700 - 750 KCMIL	750 KCMIL	600 KCMIL DLO (925/22)	2-7/8	YELLOW 936	U39ART2 (4)	U39ART2 (4)	U39ART2 (4)	L39ART2 (2)	4 CRIMPS	1 CRIMP	1 CRIMP
YA39A5UG	900 KCMIL COMPACT AL	---	---	2-7/8	YELLOW 936	---	---	---	---	---	1 CRIMP	1 CRIMP

### Installation Instructions

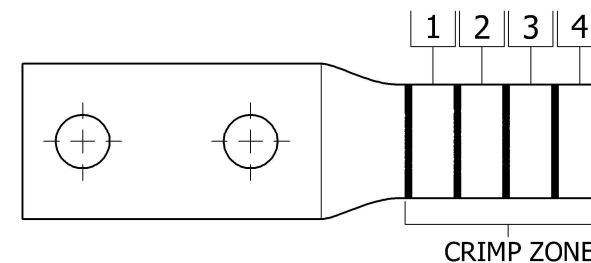
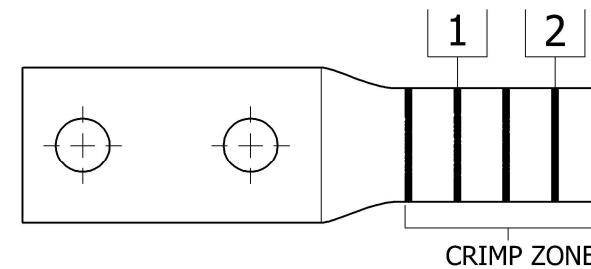
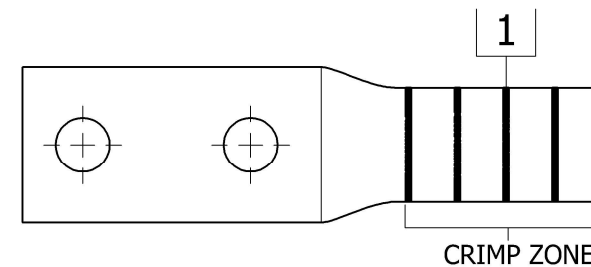
Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. In order to obtain a UL Listing BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more UL categories.


#### Aluminum Installation Steps:

- Select the appropriate connector based on:
    - Wire Material
    - Wire Construction
    - Wire Size
  - Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
  - Wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
  - Insert the conductor into the barrel for the full length. The connector barrel is filled with PENETROX™ A13, so be aware of the following:
    - Oxide inhibitor may discharge from the barrel when wire is fully inserted.
    - Oxide inhibitor may cause resistance that could feel like the wire is fully inserted. Ensure you insert the wire with enough force to penetrate the oxide inhibitor barrier until you reach the full wire insertion distance.
  - Apply the proper number of crimps based on the installation tooling requirements. Use the illustrations as a guide on crimp placement and direction for the proper number of crimps.
  - Remove excess PENETROX™ A13 that may discharge during installation.
  - Installation tooling and dies are constantly being updated. Please see Burndy Master Catalog for this product family, which can be found on the Burndy website.
8. CCA conductor to be installed using 444 or 644 tooling only.

\* "For simplicity, the images show a 1-hole connector, however, connectors are available 1-hole, 2-hole or more hole patterns."

CATALOG NUMBER DESIGNATION		
YA34A3UG	YA36A3UG	YA39A5UG



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PROJECT #: -- SIZE DOCUMENT TYPE: SALES REL LEVEL: Released		DRAWING NO <b>50117097</b> SHEET 2 OF 2
		 <b>D</b>