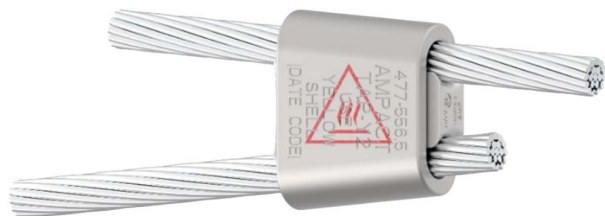


# AMPACT ALUMINUM HIGH TEMPERATURE TAP CONNECTORS

## FOR OVERHEAD CONDUCTORS



**CLASS-LEADING TECHNICAL STRENGTH  
UTILIZING TE'S ENGINEERING PRINCIPLE OF  
WEDGE PRESSURE TECHNOLOGY FIELD  
PROVEN FOR OVER 60 YEARS**

### KEY FEATURES

- Proprietary HT inhibitors enhance connector reliability on ACSS conductors
- Easy to install with AMPACT tools
- No damage to the conductors when installing or removing the tap connectors
- Operate continuously at elevated temperatures up to 250°C without loss of strength

### APPLICATIONS

- Overhead Power Systems
- Electrical Substations

### RELEVANT STANDARDS AND TEST REPORTS

- Electrical performance according to ANSI C-119.4 Class AA

TE Connectivity's (TE) AMPACT Aluminum High Temperature Tap Connectors AMPACT HTT are part of TE's legacy brand AMP utility connectors portfolio.

Our connectors are designed around an engineering principle called wedge pressure technology. Field-proven for more than 60 years, wedge pressure technology has formed the basis for a complete family of connectors that outperforms other connector types, resulting in the lowest life cycle cost for our customers.

Our AMPACT high temperature taps incorporate a synthetic high-temperature corrosion inhibitor and are suitable for use on ACSS conductors operating continuously at temperatures up to 250 °C without loss of performance.

## PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

| Description                                | Sum of Diameters |               | Through Wire Diameter |              | Tap Wire Diameter |              |
|--------------------------------------------|------------------|---------------|-----------------------|--------------|-------------------|--------------|
|                                            | Max.             | Min.          | Max.                  | Min.         | Max.              | Min.         |
| 336 kcmil Range Taps Yellow Coded          |                  |               |                       |              |                   |              |
| 2182370-1                                  | 1.456 (36.98)    | 1.206 (30.63) | .750 (19.05)          | .524 (13.31) | .750 (19.05)      | .524 (13.31) |
| 336/477 /556 kcmil Range Taps Yellow Coded |                  |               |                       |              |                   |              |
| 1443516-5                                  | 1.854 (47.09)    | 1.692 (42.98) | .950 (24.13)          | .722 (18.34) | .950 (24.13)      | .722 (18.34) |
| 1443516-6                                  | 1.741 (44.22)    | 1.524 (38.71) | .940 (23.88)          | .666 (16.92) | .940 (23.88)      | .666 (16.92) |
| 1443516-4                                  | 1.587 (40.31)    | 1.366 (34.70) | .940 (23.88)          | .666 (16.92) | .750 (19.05)      | .573 (14.55) |
| 1443516-1                                  | 1.500 (38.10)    | 1.297 (32.94) | .940 (23.88)          | .666 (16.92) | .750 (19.05)      | .481 (12.22) |
| 1443516-2                                  | 1.421 (36.09)    | 1.216 (30.89) | .940 (23.88)          | .666 (16.92) | .650 (16.51)      | .436 (11.07) |
| 1443516-3                                  | 1.056 (26.82)    | .900 (22.86)  | .893 (22.68)          | .666 (16.92) | .199 (5.05)       | .162 (4.11)  |
| 795 kcmil Range Taps Yellow Coded          |                  |               |                       |              |                   |              |
| 1443455-1                                  | 2.216 (56.29)    | 2.072 (52.63) | 1.156 (29.36)         | .858 (21.79) | 1.158 (29.41)     | .858 (21.79) |
| 1443455-2                                  | 2.159 (54.84)    | 2.002 (50.85) | 1.156 (29.36)         | .858 (21.79) | 1.156 (29.36)     | .858 (21.79) |
| 1443455-3                                  | 2.098 (53.29)    | 1.946 (49.43) | 1.156 (29.36)         | .858 (21.79) | 1.156 (29.36)     | .858 (21.79) |
| 1443455-4                                  | 2.035 (51.69)    | 1.891 (48.03) | 1.156 (29.36)         | .858 (21.79) | 1.156 (29.36)     | .858 (21.79) |
| 1443455-5                                  | 1.966 (49.94)    | 1.822 (46.28) | 1.156 (29.36)         | .858 (21.79) | .900 (22.86)      | .700 (17.78) |
| 1443455-6                                  | 1.891 (48.03)    | 1.747 (44.37) | 1.156 (29.36)         | .858 (21.79) | .900 (22.86)      | .700 (17.78) |
| 1443455-7                                  | 1.829 (46.46)    | 1.685 (42.80) | 1.156 (29.36)         | .858 (21.79) | .750 (19.05)      | .525 (13.34) |
| 1443455-8                                  | 1.750 (44.45)    | 1.606 (40.79) | 1.156 (29.36)         | .858 (21.79) | .722 (18.34)      | .525 (13.34) |
| 1033.5 kcmil Range Taps Yellow Coded       |                  |               |                       |              |                   |              |
| 1443454-1                                  | 2.496 (63.40)    | 2.332 (59.23) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-2                                  | 2.411 (61.24)    | 2.251 (57.18) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-3                                  | 2.354 (59.79)    | 2.194 (55.73) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-4                                  | 2.297 (58.34)    | 2.137 (54.28) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-5                                  | 2.236 (56.79)    | 2.076 (52.73) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-6                                  | 2.173 (55.19)    | 2.013 (51.13) | 1.250 (31.75)         | .856 (21.74) | 1.250 (31.75)     | .856 (21.74) |
| 1443454-7                                  | 2.104 (53.44)    | 1.944 (49.38) | 1.250 (31.75)         | .856 (21.74) | .900 (22.86)      | .700 (17.78) |
| 1443454-8                                  | 2.029 (51.54)    | 1.869 (47.47) | 1.250 (31.75)         | .856 (21.74) | .900 (22.86)      | .700 (17.78) |
| 1443454-9                                  | 1.967 (49.96)    | 1.807 (45.90) | 1.250 (31.75)         | .856 (21.74) | .750 (19.05)      | .525 (13.34) |
| 1-1443454-0                                | 1.888 (47.96)    | 1.728 (43.89) | 1.250 (31.75)         | .856 (21.74) | .722 (18.34)      | .525 (13.34) |

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

| Description                          | Sum of Diameters |               | Through Wire Diameter |               | Tap Wire Diameter |               |
|--------------------------------------|------------------|---------------|-----------------------|---------------|-------------------|---------------|
|                                      | Max.             | Min.          | Max.                  | Min.          | Max.              | Min.          |
| 1192.5 kcmil Range Taps Yellow Coded |                  |               |                       |               |                   |               |
| 2182371-1                            | 2.604 (66.14)    | 2.516 (63.91) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-2                            | 2.548 (64.72)    | 2.448 (62.18) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-3                            | 2.498 (63.45)    | 2.398 (60.91) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-4                            | 2.410 (61.21)    | 2.310 (58.67) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-5                            | 2.353 (59.77)    | 2.253 (57.23) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-6                            | 2.292 (58.22)    | 2.192 (55.68) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-7                            | 2.229 (56.62)    | 2.129 (54.08) | 1.375 (34.93)         | .856 (21.74)  | 1.375 (34.93)     | .856 (21.74)  |
| 2182371-8                            | 2.160 (54.86)    | 2.060 (52.32) | 1.375 (34.93)         | .856 (21.74)  | .900 (22.86)      | .700 (17.78)  |
| 2182371-9                            | 2.085 (52.96)    | 1.985 (50.42) | 1.375 (34.93)         | .856 (21.74)  | .900 (22.86)      | .700 (17.78)  |
| 1-2182371-0                          | 2.023 (51.38)    | 1.923 (48.84) | 1.375 (34.93)         | .856 (21.74)  | .750 (19.05)      | .525 (13.34)  |
| 1-2182371-1                          | 1.944 (49.38)    | 1.844 (46.84) | 1.375 (34.93)         | .856 (21.74)  | .722 (18.34)      | .525 (13.34)  |
| 1272 kcmil Range Taps Yellow Coded   |                  |               |                       |               |                   |               |
| 2182332-1                            | 2.488 (63.20)    | 2.452 (62.28) | 1.381 (35.08)         | 1.345 (34.16) | 1.107 (28.12)     | 1.107 (28.12) |
| 2182332-2                            | 2.690 (68.33)    | 2.690 (68.33) | 1.345 (34.16)         | 1.345 (34.16) | 1.345 (34.16)     | 1.345 (34.16) |
| 2182332-3                            | 2.264 (57.51)    | 2.159 (54.84) | 1.381 (35.08)         | 1.345 (34.16) | 0.883 (22.43)     | 0.814 (20.68) |
| 2182332-4                            | 2.762 (70.16)    | 2.726 (69.24) | 1.381 (35.08)         | 1.381 (35.08) | 1.381 (35.08)     | 1.345 (34.16) |
| 2182332-5                            | 2.510 (63.75)    | 2.510 (63.75) | 1.345 (34.16)         | 1.345 (34.16) | 1.165 (29.59)     | 1.165 (29.59) |
| 1590 kcmil Range Taps Yellow Coded   |                  |               |                       |               |                   |               |
| 2182520-1                            | 3.088 (78.44)    | 2.984 (75.79) | 1.544 (39.22)         | 1.492 (37.90) | 1.544 (39.22)     | 1.492 (37.90) |
| 2182520-2                            | 3.009 (76.43)    | 2.916 (74.07) | 1.544 (39.22)         | 1.492 (37.90) | 1.465 (37.21)     | 1.424 (36.17) |
| 2182520-3                            | 2.930 (74.42)    | 2.837 (72.06) | 1.544 (39.22)         | 1.424 (36.17) | 1.465 (37.21)     | 1.345 (34.16) |
| 2182520-4                            | 2.846 (72.29)    | 2.737 (69.52) | 1.544 (39.22)         | 1.424 (36.17) | 1.386 (35.20)     | 1.245 (31.62) |
| 2182520-5                            | 2.772 (70.41)    | 2.657 (67.49) | 1.544 (39.22)         | 1.381 (35.08) | 1.386 (35.20)     | 1.165 (29.59) |
| 2182520-6                            | 2.688 (68.28)    | 2.584 (65.63) | 1.544 (39.22)         | 1.381 (35.08) | 1.302 (33.07)     | 1.092 (27.74) |
| 2182520-7                            | 2.598 (65.99)    | 2.469 (62.71) | 1.544 (39.22)         | 1.381 (35.08) | 1.212 (30.78)     | 0.977 (24.82) |
| 2182520-8                            | 2.497 (63.42)    | 2.401 (60.99) | 1.544 (39.22)         | 1.381 (35.08) | 1.107 (28.12)     | 0.914 (23.22) |
| 2182520-9                            | 2.427 (61.65)    | 2.338 (59.39) | 1.544 (39.22)         | 1.381 (35.08) | 1.019 (25.88)     | 0.846 (21.49) |
| 1-2182520-0                          | 2.350 (59.69)    | 2.264 (57.51) | 1.544 (39.22)         | 1.381 (35.08) | 0.953 (24.21)     | 0.772 (19.61) |
| 1-2182520-1                          | 2.285 (58.04)    | 2.196 (55.78) | 1.544 (39.22)         | 1.381 (35.08) | 0.883 (22.43)     | 0.720 (18.29) |
| 1-2182520-2                          | 2.204 (55.98)    | 2.134 (54.20) | 1.544 (39.22)         | 1.381 (35.08) | 0.806 (20.47)     | 0.642 (16.31) |

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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