



# AMPACT BAT BOLT ACTUATED TAP CONNECTOR

## 336-556 AND 795 SERIES - METRIC SELECTION CHART

### KEY FEATURES

- Easy to install with a standard impact wrench
- Tap connectors may be used to connect multiple conductor combinations
- No damage to the conductors when installing or removing the tap connectors
- Maintains a constant force within the connection for the life of the connector, while compensating for thermal expansion or “creep”
- Solid stop for visual inspection of properly installed connector
- Industry leading electrical performance to ANSI C-119.4 Class AA
- Can be installed with standard hot sticks using wedge holder  
Medium PN: 2401416-1  
Large PN: 2401815-1

TE Connectivity’s (TE) AMPACT Bolt Actuated Tap (TAP) connector is part of TE’s legacy brand AMP utility connectors portfolio. AMPACT BAT uses wedge pressure technology that was pioneered by AMP 60 years ago to deliver maintenance-free performance over the lifetime of the connection. The AMPACT BAT is the second generation of TE’s wedge-pressure connectors which provides the proven performance of AMPACT fired-on wedge connectors without the requirement of a powder-actuated installation tool.

The “C” and wedge are made of aluminum alloys. They are used to connect solid and stranded aluminum, aluminum alloy and stranded aluminum composite conductors including AAC, AAAC, ACSR, ACAR, AW, ACSR/AW, and ACSS. They may also be used in non-corrosive environments to connect copper conductors.

During the connection process, the AMPACT BAT wedge pressure technology combines the abrading action between the conductor and connector surfaces with an inhibitor that seals the connection. This prevents air from reaching the mated material. The result is a longer-lasting, more reliable electrical connection.

For the installation process, the AMPACT BAT tap connector develops and maintains the clamping force on the conductor, through the residual elastic load developed in the connector, ensuring the integrity of the connection for the life of the installation. The elastic force also helps prevent creepage by compensating for expansion and contraction of the assembly during thermal cycling and the presence of an inhibitor in the electrical interfaces protects electrical contact spots from corrosive attack during their lifetime.

**Customers can count on consistent, high quality products, driven by TE’s proven innovation and backed by our extraordinary customer support.**

## AMPACT BAT BOLT ACTUATED TAP CONNECTOR 336-556 AND 795 SERIES



### Sum of Diameter Limits Selection Guide

Dimensions shown in Millimeters

Medium Family: 336-556 Series

Test Reports	502-47529 (I) Electrical Short Circuit	502-47530 (I) Electrical CCT	502-47531 (I) Environmental	502-47532 (I) Tensile
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Part Number	Sum of Diameters		Large Groove Main Conductor Diameter		Small Groove Tap Conductor Diameter	
	Max.	Min.	Max.	Min.	Max.	Min.
2376750-1 (no insert)	47.09	43.48	23.55	21.74	23.55	21.74
2376750-1 (with insert)	41.68	38.48	23.55	20.12	20.47	16.89
2376750-2 (no insert)	45.34	41.86	23.55	21.74	21.79	20.12
2376750-2 (with insert)	40.08	36.63	23.55	18.36	20.47	14.88
2376750-3 (no insert)	43.59	40.11	23.55	20.12	21.79	18.36
2376750-3 (with insert)	38.18	35.00	23.55	18.36	18.29	13.26
2376750-4 (no insert)	47.09	43.48	23.55	21.74	23.55	21.74
2376750-4 (with insert)	36.58	33.25	23.55	16.89	18.29	11.79
2376750-5 (no insert)	45.34	41.86	23.55	21.74	21.79	20.12
2376750-5 (with insert)	34.90	31.62	23.55	16.89	16.31	10.52
2376750-6 (no insert)	43.59	40.11	23.55	20.12	21.79	18.36
2376750-6 (with insert)	33.66	29.77	23.55	14.88	16.31	9.35
2376750-7*	31.90	28.14	23.55	14.88	14.30	7.42
2376750-8*	30.10	26.57	23.55	14.88	12.75	5.89
2376750-9*	28.73	25.30	23.55	14.88	11.35	4.11
1-2376750-0*	26.97	24.16	21.79	14.88	10.11	4.11
1-2376750-1*	25.07	22.30	19.89	14.88	8.26	4.11
1-2376750-2*	23.47	20.78	18.29	14.88	6.53	4.11

\*Connector does not utilize insert.

## AMPACT BAT BOLT ACTUATED TAP CONNECTOR 336-556 AND 795 SERIES



### Large Family: 795 Series

<b>Test Reports:</b>	502-47537 (I) Electrical Short Circuit	502-47536 (I) Electrical CCT	502-47535 (I) Environmental	502-47534 (I) Tensile
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Part Number	Sum of Diameters		Large Groove Main Conductor Diameter		Small Groove Tap Conductor Diameter	
	Max.	Min.	Max.	Min.	Max.	Min.
2377042-1 (no insert)	56.29	52.17	28.14	26.09	28.14	26.09
2377042-1 (with insert)	51.69	47.83	28.14	24.21	25.25	21.74
2377042-2 (no insert)	54.84	50.85	28.14	26.09	26.70	24.77
2377042-2 (with insert)	49.94	46.20	28.14	24.21	24.21	20.12
2377042-3 (no insert)	53.39	49.40	28.14	24.77	25.88	23.32
2377042-3 (with insert)	48.03	44.32	28.14	24.21	22.43	18.36
2377042-4 (no insert)	54.84	50.85	28.14	26.09	26.70	24.77
2377042-4 (with insert)	46.43	42.90	28.14	24.21	20.47	16.89
2377042-5 (no insert)	53.39	49.40	28.14	24.77	25.88	23.32
2377042-5 (with insert)	44.70	41.10	28.14	24.21	18.82	14.88
2377042-6 (no insert)	42.44	39.09	28.14	24.21	16.31	13.26
2377042-6 (with insert)	38.25	34.62	28.14	24.21	11.35	9.27
2377042-7 (no insert)	40.89	37.47	28.14	24.21	14.30	11.68
2377042-7 (with insert)	36.40	33.02	28.14	24.21	10.11	7.42
2377042-8*	39.50	35.89	28.14	24.21	12.75	10.41
2377042-9*	34.70	31.32	28.14	24.21	8.26	5.18
1-2377042-0*	33.17	29.39	28.14	24.21	6.55	4.11

\*Connector does not utilize insert.

### RELATED DOCUMENTS

- AMPACT BAT Hot Stick Accessories Datasheet EPP-3948
- Installation Instructions EPP-3823

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

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