



# AMPACT BAT BOLT ACTUATED TAP CONNECTOR

## 336-556 SERIES - IMPERIAL 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 PN: 2401416-1

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.**

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### AMPACT BAT Aluminum Tap System Selection Guide

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	Conductor Range with Insert		Conductor Range No/Remove Insert	
	Main Conductor	Tap Conductor	Main Conductor	Tap Conductor
2376750-1	556.5	336.4, 350	556.5	556.5
	477	397.5		
2376750-2	556.5	266.8, 250	556.5	477, 500
	477	336.4, 350		
	397.5	397.5		
2376750-3	556.5	4/0 STR	556.5	397.5
	477	266.8, 250		
	397.5	336.4, 350	477	477, 500
2376750-4	556.5	3/0 STR, 4/0 SOL	556.5	556.5
	477	4/0 STR		
	397.5	266.8, 250		
	336.4	336.4, 350		
	350	350		
2376750-5	556.5	2/0 SOL-STR, 3/0 SOL	556.5	477, 500
	477	3/0 STR, 4/0 SOL		
	397.5	4/0 STR		
	336.4	266.8, 250		
2376750-6	556.5	1/0 SOL -STR	556.5	397.5
	477	2/0 SOL-STR, 3/0 SOL		
	397.5	3/0 STR, 4/0 SOL		
	336.4	4/0 STR	477	477, 500
	350	4/0 STR		
	266.8	266.8, 250		

Note: 30/7 ACSR Conductor stranding outside of standard range. Contact customer service for details.

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Part Number	Conductor Range with Insert		Conductor Range No/Remove Insert	
	Main Conductor	Tap Conductor	Main Conductor	Tap Conductor
2376750-7	N/A		556.5	#2 SOL-STR
			477	1/0 SOL-STR
			397.5	2/0 SOL-STR, 3/0 SOL
			336.4	3/0 STR, 4/0 SOL
			350	3/0 STR, 4/0 SOL
			266.8	4/0 STR
2376750-8	N/A		556.5	#4 SOL-STR
			477	#2 SOL-STR
			397.5	1/0 SOL-STR
			336.4	2/0 STR, 3/0 SOL
			350	2/0 STR, 3/0 SOL
			266.8	3/0 STR, 4/0 SOL
2376750-9	N/A		556.5	#6 SOL-STR
			477	#4 SOL-STR
			397.5	#2 SOL-STR
			336.4	1/0 SOL-STR, 2/0 SOL
			350	1/0 SOL-STR, 2/0 SOL
			266.8	2/0 STR, 3/0 SOL
1-2376750-0	N/A		477	#6 SOL-STR
			397.5	#4 SOL-STR
			336.4	#2 SOL-STR
			350	#2 SOL-STR
			266.8	1/0 SOL-STR, 2/0 SOL
1-2376750-1	N/A		397.5	#6 SOL-STR
			336.4	#4 SOL-STR
			350	#4 SOL-STR
			266.8	#2 SOL-STR
1-2376750-2	N/A		336.4	#6 SOL-STR
			350	#6 SOL-STR
			266.8	#4 STR

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Sum of Diameter Limits Selection Guide

Dimensions shown in inches

Part Number	Sum of Diameters		Large Groove Main Conductor		Small Groove Tap Conductor	
	Max.	Min.	Max.	Min.	Max.	Min.
2376750-1 (no insert)	1.854	1.712	0.927	0.856	0.927	0.856
2376750-1 (with insert)	1.641	1.515	0.927	0.792	0.806	0.665
2376750-2 (no insert)	1.785	1.648	0.927	0.856	0.858	0.792
2376750-2 (with insert)	1.578	1.442	0.927	0.723	0.806	0.586
2376750-3 (no insert)	1.716	1.579	0.927	0.792	0.858	0.723
2376750-3 (with insert)	1.503	1.378	0.927	0.723	0.720	0.522
2376750-4 (no insert)	1.854	1.712	0.927	0.856	0.927	0.856
2376750-4 (with insert)	1.440	1.309	0.927	0.665	0.720	0.464
2376750-5 (no insert)	1.785	1.648	0.927	0.856	0.858	0.792
2376750-5 (with insert)	1.374	1.245	0.927	0.665	0.642	0.414
2376750-6 (no insert)	1.716	1.579	0.927	0.792	0.858	0.723
2376750-6 (with insert)	1.325	1.172	0.927	0.586	0.642	0.368
2376750-7*	1.256	1.108	0.927	0.586	0.563	0.292
2376750-8*	1.185	1.046	0.927	0.586	0.502	0.232
2376750-9*	1.131	0.996	0.927	0.586	0.447	0.162
1-2376750-0*	1.062	0.951	0.858	0.586	0.398	0.162
1-2376750-1*	0.987	0.878	0.783	0.586	0.325	0.162
1-2376750-2*	0.924	0.818	0.720	0.586	0.257	0.162

\*Connector does not utilize insert.

RELATED DOCUMENTS	
• AMPACT BAT Large 795 Series Datasheet EPP-3901	• AMPACT BAT Hot Stick Accessories Datasheet EPP-3948
• AMPACT BAT Metric Selection Chart Datasheet EPP-3845	• Installation Instructions EPP-3823

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

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