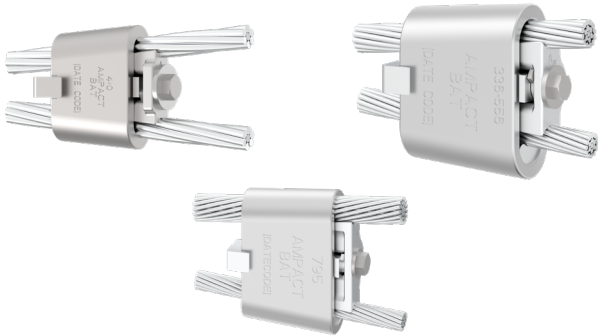


AMPACT BAT BOLT ACTUATED TAP CONNECTORS

4/0, 556 & 795 SERIES - METRIC SYSTEM



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

KEY FEATURES

- Expanded application range with use of removable insert
- 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
- Solid stop for visual inspection of properly installed connector
- RUS listed

TE Connectivity's (TE) AMPACT BAT Bolt Actuated Tap connectors are part of TE's legacy brand AMP utility connectors portfolio. The AMPACT BAT tap connectors are our second-generation wedge-pressure connectors, which provide the proven performance of AMPACT fired-on wedge connectors without the requirement of a powder-actuated installation tool. Select taps utilize a factory-installed insert (removable) to maximize the application range, resulting in a reduction in the number of unique connectors required for a network.

The AMPACT "Smart C" and wedge components are made of aluminum alloy with stainless steel hardware 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 connectors develop and maintain 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. The presence of an inhibitor in the electrical interfaces protects electrical contact spots from corrosive attack during their lifetime.

APPLICATIONS

- Overhead Power Systems
- Electrical Substations

RELEVANT STANDARDS AND TEST REPORTS

- Electrical performance according to ANSI C-119.4 Class AA
- Short-time current test to AS1154.1

4/0 SERIES - SUM OF DIAMETER LIMITS SELECTION GUIDE

(DIMENSIONS ARE IN MM)

Part Number	Sum of Diameters		Main Conductor Diameter (Large Groove)		Tap Conductor Diameter (Small Groove)	
	Max.	Min.	Max.	Min.	Max.	Min.
2445483-1	28.60	25.04	14.30	13.26	14.30	11.79
2445483-2	25.65	22.28	14.30	11.79	12.75	9.02
2445483-3	22.86	19.86	14.30	10.52	11.35	7.42
2445483-4	21.01	17.68	14.30	9.35	10.11	4.11
2445483-5	18.36	14.83	12.75	7.42	9.02	4.11
2445483-6	15.14	11.79	10.11	5.89	6.55	4.11
2445483-7	11.56	9.35	6.53	4.11	5.18	4.11

Note: Conductor diameters must fit within the Main and Tap diameter ranges. The sum of both conductor diameters must fit within the Min and Max range of the Sum of Diameters.

556 SERIES - SUM OF DIAMETER LIMITS SELECTION GUIDE
(DIMENSIONS ARE IN MM)

Part Number	Insert	Sum of Diameters		Main Conductor (Large Groove)		Tap Conductor (Small Groove)	
		Max.	Min.	Max.	Min.	Max.	Min.
2376750-1	REMOVED	47.09	43.48	23.55	21.74	23.55	21.74
	USED	41.68	38.48	23.55	20.12	20.47	16.89
2376750-2	REMOVED	45.34	41.86	23.55	21.74	21.79	20.12
	USED	40.08	36.63	23.55	18.36	20.47	14.88
2376750-3	REMOVED	43.59	40.11	23.55	20.12	21.79	18.36
	USED	38.18	35.00	23.55	18.36	18.29	13.26
2376750-4	REMOVED	47.09	43.48	23.55	21.74	23.55	21.74
	USED	36.58	33.25	23.55	16.89	18.29	11.79
2376750-5	REMOVED	45.34	41.86	23.55	21.74	21.79	20.12
	USED	34.90	31.62	23.55	16.89	16.31	10.52
2376750-6	REMOVED	43.59	40.11	23.55	20.12	21.79	18.36
	USED	33.66	29.77	23.55	14.88	16.31	9.35
2376750-7	CONNECTOR DOES NOT UTILIZE INSERT	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

Note: Conductor diameters must fit within the Main and Tap diameter ranges. The sum of both conductor diameters must fit within the Min and Max range of the Sum of Diameters.

795 SERIES - SUM OF DIAMETER LIMITS SELECTION GUIDE

(DIMENSIONS ARE IN MM)

Part Number	Insert	Sum of Diameters		Main Conductor (Large Groove)		Tap Conductor (Small Groove)	
		Max.	Min.	Max.	Min.	Max.	Min.
2377042-1	REMOVED	56.29	52.17	28.14	26.09	28.14	26.09
	USED	51.69	47.83	28.14	24.21	25.25	21.74
2377042-2	REMOVED	54.84	50.85	28.14	26.09	26.70	24.77
	USED	49.94	46.20	28.14	24.21	24.21	20.12
2377042-3	REMOVED	53.39	49.40	28.14	24.77	25.88	23.32
	USED	48.03	44.32	28.14	24.21	22.43	18.36
2377042-4	REMOVED	54.84	50.85	28.14	26.09	26.70	24.77
	USED	46.43	42.90	28.14	24.21	20.47	16.89
2377042-5	REMOVED	53.39	49.40	28.14	24.77	25.88	23.32
	USED	44.70	41.10	28.14	24.21	18.82	14.88
2377042-6	REMOVED	42.44	39.09	28.14	24.21	16.31	13.26
	USED	38.25	34.62	28.14	24.21	11.35	9.27
2377042-7	REMOVED	40.89	37.47	28.14	24.21	14.30	11.68
	USED	36.40	33.02	28.14	24.21	10.11	7.42
2377042-8	CONNECTOR DOES NOT UTILIZE INSERT	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

Note: Conductor diameters must fit within the Main and Tap diameter ranges. The sum of both conductor diameters must fit within the Min and Max range of the Sum of Diameters.

RELATED DOCUMENTS

Test Reports				
Tap Series	Current Cycling	Short Current	Mechanical Pull-out Test	Thermal Shock & Salt Spray Test
4/0	EDR-5815	502-161318	502-161317	502-161319
556	502-47530 (I)	502-47529 (I)	502-47532 (I)	502-47531 (I)
795	502-47536 (I)	502-47537 (I)	502-47534 (I)	502-47535 (I)

Installation Instructions	EPP-3823
Stirrup Datasheet	EPP-4168
Hot-stick Datasheet	EPP-3948
Imperial Datasheet	EPP-4313

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

© 2024 TE Connectivity. All Rights Reserved. EPP-4338-AMPACT BAT-05/24

TE, TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS, are trademarks owned or licensed by TE Connectivity. Other logos, product and company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions, specifications, and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications, and/or information. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

Connect with us:
[TE.com/energy-contact](https://www.te.com/energy-contact)

