

Bolt-tab Fuse

GENERAL

The Cooper Power Systems Combined Technologies (CT) Bolt-tab full-range current-limiting fuses are identical to the X-Limiter fuse except that they have been modified mechanically to allow them to be bolted directly to rigid buswork or support insulators. They provide a convenient way to parallel fuses and are an economical way of replacing obsolete fuse designs and/or eliminating special mountings. They have the same electrical characteristics and follow the same application criteria as the X-Limiter fuses described in Catalog Section 240-56.

The SXBT fuses are modifications of the SX fuse. They follow the same application and have the same electrical characteristics as the type SX current limiting fuse as described in Catalog Section 240-81.



Figure 1.
Bolt-tab Capacitor Fuse.

PRODUCTION TESTS

Tests are conducted in accordance with Cooper Power Systems requirements.

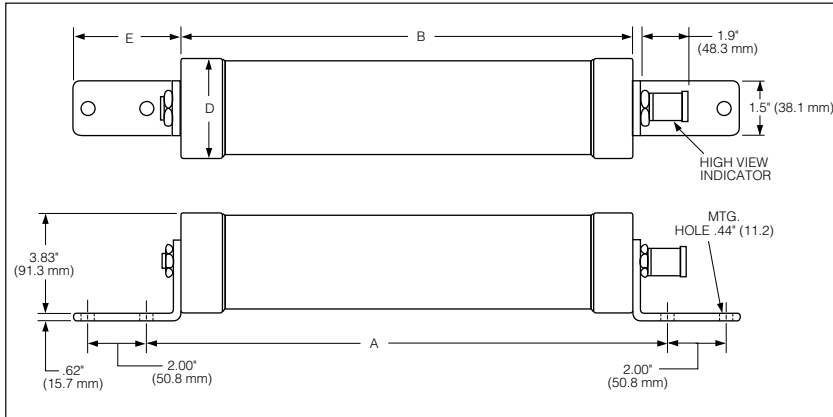
- 100% Physical Inspection
- 100% I²t Testing
- 100% Resistance Testing

TABLE 1
Electrical Characteristics

Fuse Type	Full-range
Maximum Interrupting Current	50,000 A rms symmetrical

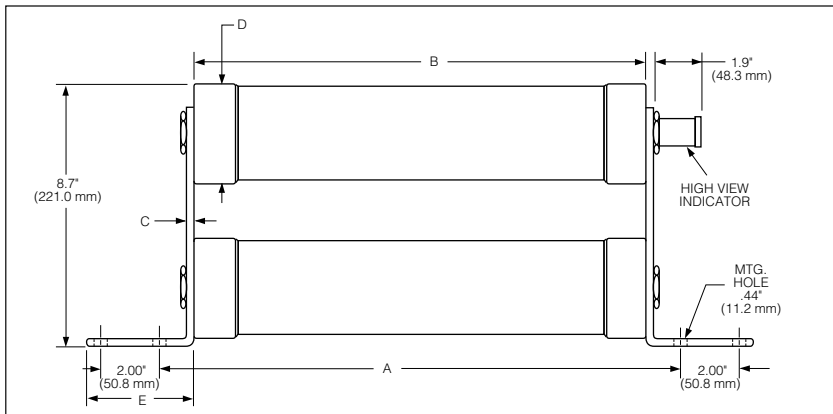
Features and Detailed Description

TABLE 2
Bolt-tab Fuses



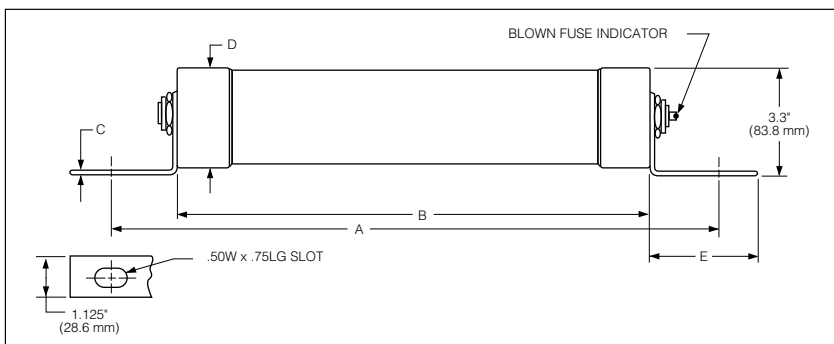
Voltage Rating kV	Catalog Number	Current Rating (A)	Diameter in. (mm)					Approx. Weight lbs (kg)
			A	B	C	D	E	
8.3	83F200-IV/BT	200	28" (711.2)	25 (635.0)	.18 (4.6)	3.16 (80.3)	3.69 (93.7)	11 (5.0)

TABLE 3
Bolt-tab Fuses



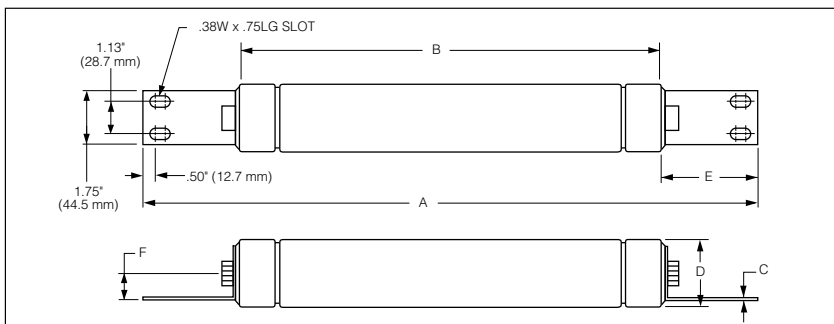
Voltage Rating kV	Catalog Number	Current Rating (A)	Diameter in. (mm)					Approx. Weight lbs (kg)
			A	B	C	D	E	
8.3	83F280-IV/BUS	280	14.5" (368.3)	11.85 (301.0)	.187 (4.7)	3.16 (80.3)	3.87 (98.4)	5.5 (2.5)
8.3	155F400-IV/BUS	400	28.0" (711.2)	25.0 (635.0)	.375 (9.5)	3.16 (80.3)	3.87 (98.4)	11 (5.0)
15.5	155F300-IV/BUS	300	22.85" (580.4)	20.21 (513.3)	.187 (4.7)	3.16 (80.3)	3.69 (93.7)	10 (4.5)
4.3	43F200-IV/BUS	200	9.5" (241.3)	8 (203.2)	.13 (3.3)	2.1 (53.3)	1.6 (40.3)	3 (1.4)

**TABLE 4
Bolt-tab Fuses**



Voltage Rating kV	Catalog Number	Current Rating (A)	Diameter in. (mm)					Approx. Weight lbs (kg)
			A	B	C	D	E	
35	35F03 - 1/1 BT	3.0						
	35F06 - 1/1 BT	6.0	25.7"	23.1	.064	3.16	1.9	10.3
	35F10 - 1/1 BT	10	(652.8)	(586.7)	(1.6)	(80.3)	(48.3)	(4.7)
	35F20 - 1/1 BT	20						
	35F30 - 1/1 BT	30						

**TABLE 5
Bolt-tab Fuses**



Voltage Rating kV	Catalog Number	Current Rating (A)	Diameter in. (mm)						Approx. Weight lbs (kg)
			A	B	C	D	E	F	
15*	155F06-SXBT	6.0							
	155F12-SXBT	12	19.5	12.0	.06	2.13	3.75	.63	3.5
	155F20-SXBT	20	(495.3)	(304.8)	(1.5)	(54.1)	(95.3)	(16.0)	(1.6)
	155F30-SXBT	30							
	155F50-SXBT	50							
	155F80-SXBT	80							
	155F100-SXBT	100	19.5	14.63	.06	3.16	2.44	1.18	8.9
	155F150-SXBT	150	(495.3)	(371.6)	(1.5)	(80.3)	(62.0)	(30.0)	(4.0)
	155F200-SXBT	200							

* The SXBT fuse is sealed for under-oil application.

