

**Typical Application**

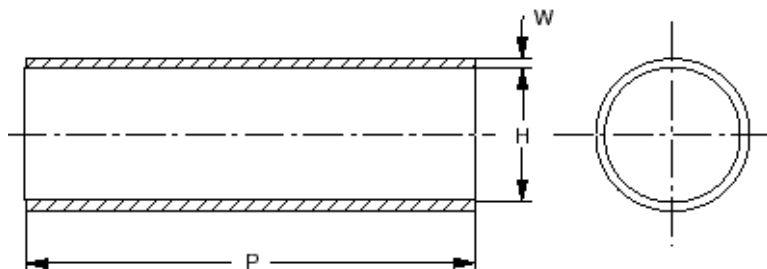
The BBIT tubing provides an excellent insulating cover and flashover protection up to 36 kV system voltage over copper or aluminium busbars. The use of BBIT allows equipment designers freedom to reduce the air spacing between busbars by providing insulation enhancement. Because of its built-in flexibility BBIT can be used on irregular shapes without creasing of the tubing occurring.

It has excellent resistance to tracking and weathering, and can be used indoors or outdoors.

**BBIT-N** is considered for the use in a nuclear environment.

Colour = red

For the selection of the appropriate tubing for busbar sizes see Selection Table on page 2.



Standart Products

**Product Size Dimensions**

	H	H	H	W	P	
	a	a	b	b	-4 spool	-c spool
	max	min	max	min	m	m
BBIT 25/10	33	25	10	3.6	25	100
BBIT 40/16	49	40	16	3.6	20	150
BBIT 65/25	75	65	25	3.6	15	100
BBIT 100/40	115	100	40	3.6	15	80
BBIT 150/60	170	150	60	3.6	15	70
BBIT 175/80	196	175	80	3.6	10	80

Notes

- Dimensions in mm are the same for BBIT & BBIT-N. a=as supplied, b=after free recovery
- Max longitudinal change after free recovery: +5% to -10%
- Eccentricity:  
expanded 35% max. Fully recovered 15% max

4. Cut length Tolerances:

- up to 300 mm ±5 mm
- <1000 mm ±10 mm
- \*1000 mm -0/+40 mm

- Material meets requirements of PPS 3010/04 for BBIT.  
Material meets requirements of PPS 3010/50 for **BBIT-N**.

- Printing: Raychem - Size - Batch No.
- Packaging: Small spools: min.continues length 2m; max. 3 pcs + 1 Installation Instruction
- Labelling: Description, Batch-No.

**Application range for BBIT**

The tubing should be used on the following busbar sizes:

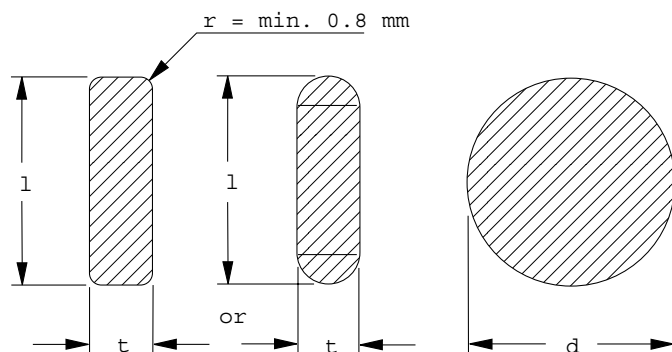
Tubing size	Rectengular Bars		Round Bars	
	l+t		d	
	min mm	max mm	min mm	max mm
BBIT 25/10	17	28	11	20
BBIT 40/16	28	45	18	32
BBIT 65/25	44	69	28	47
BBIT 100/40	69	102	44	72
BBIT 150/60	102	148	65	105
BBIT 175/80	133	196	85	125

To find the correct tubing size for rectengular busbars  
add up dimensions and select tubing from amove min/max reference table

Recommended clearances for busbars	Rated Voltage	BBIT insulated system		Air insulated system, clearance acc. IEC 71-2
	kV	phase/phase	phase/ground	phase/ground mm
	round			
	12	30	40	120
	17.5	45	60	160
	24	60	90	220
	36	100	160	320
	rectengular			
	12	35	45	120
	17.5	55	65	160
	24	70	100	220
	36	140	190	320

**Modifications**

Mod. Code	Description
-1	Coated /89 from one end 50 mm ± 5.
-7	Round configuration and coated /42 from both ends 70 mm ± 10 on inside and outside



**Application Use range for BBIT-N**

Non-Accident conditions

	<b>min</b>	<b>max</b>
BBIT-N-25/10	10,4	19,8
BBIT-N-40/16	16,8	32,0
BBIT-N-65/25	26,2	49,8
BBIT-N-100/40	41,9	79,8