

15kV 200A Loadbreak Integral Bushing



APPLICATION

The Chardon Integral Bushing is designed for installing to transformer, switchgear and other equipment and is used as a mating loadbreak connector for elbow, elbow arrester or grounding elbow. An integral skirt feature can

be applied to oil or SF6 insulating equipment. It has arc extinction function to ensure the loadbreak application. The indicated ring on the interface can be easily known from outside if the installation is in place or not.

KEY FEATURES

- Provides a fully shielded and submersible connection when mate with the standard bushing.
- Meet ANSI/IEEE Std. 386 interface.
- No minimum phase clearance requirements.

VOLTAGE RATINGS AND CHARACTERISTICS

Description	
Standard Voltage Class	15kV
AC Withstand	39kV/5min
BIL and Full Wave Crest(Impulse)	95kV
Minimum Corona Voltage Level	15Kv≤10pC

CURRENT RATINGS AND CHARACTERISTICS

Description	Amperes
Continuous	200 A rms
Thermal Short Circuit	8.7kA/1s
Dynamic Short Circuit	21.2kA/10ms

PRODUCTION TESTS

Tests conducted in accordance with ANSI/IEEE Stnd.386, GB/T 12706.4

- Minimum Corona Voltage Level – 15kV <3pC (100%Test)
- AC Withstand – 42kV /1min (100%Test)
- BIL and Full Wave Crest (Impulse)– 95 kV (Sampling Test)

DETAILED COMPOSITION OF THE CHARDON LOADBREAK INTEGRAL BUSHING

LOCKING GROOVE

Locking groove assures proper installation by "locking" into elbow.

STOP RING

Limits position and finger contact travel during fault close.

CONTACT

Copper component transfers current from position contact to bushing well stud.

STUD

M10 or M12 thread option connected with wire or elbow, elbow arrester or grounding elbow.

ARC SNUFFER ASSEMBLY

Arc quenching material extinguishes gas during loadbreak operations.

SAFETY INDICATED RING

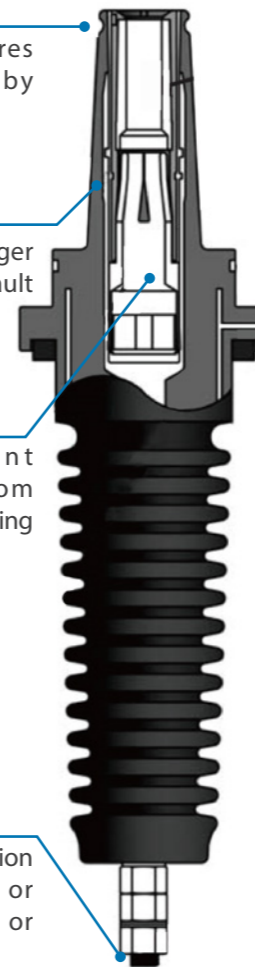
Ensure Elbow installed in place.

DRAIN WIRE TAB

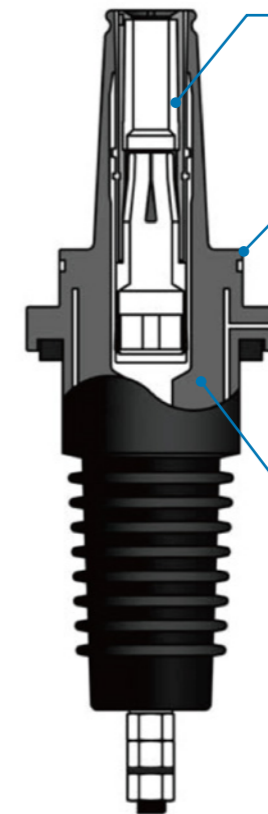
Drain wire tabs provide a convenient point to connect drain wire to ensure grounding of the connector shield.

INSULATION LAYER

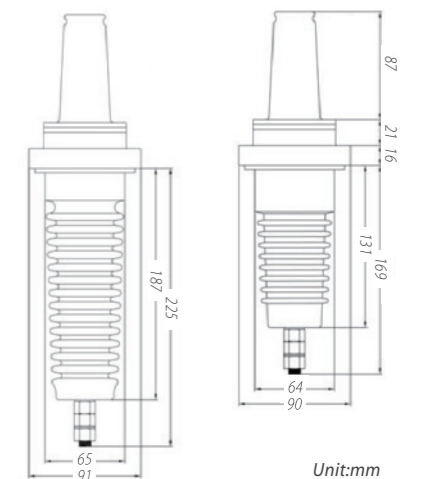
High quality epoxy material.



15-LIB185



15-LIB130



ORDERING INFORMATION

15-LIB130 (Standard) / 15-LIB185 (Extended Length)

Standard M10 Thread Mild Steel-Zinc Dichromate plating Clamp	15-LIB130M103ZD
Standard M10 Thread Stainless Steel Clamp	15-LIB130M103SS
Standard M12 Thread Mild Steel-Zinc Dichromate plating Clamp	15-LIB130M123ZD
Standard M12 Thread Stainless Steel Clamp	15-LIB130M123SS
Extended Length M10 Thread Mild Steel-Zinc Dichromate plating Clamp	15-LIB185M103ZD
Extended Length M10 Thread Stainless Steel Clamp	15-LIB185M103SS
Extended Length M12 Thread Mild Steel-Zinc Dichromate plating Clamp	15-LIB185M123ZD
Extended Length M12 Thread Stainless Steel Clamp	15-LIB185M123SS



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