

# 15kV 200AMP Bushing Insert



- Bushing insert • Clearing paper • Silicone lubricant
- Covering cap • Installation instructionsheet

## Description

15kV 200A Bushing insert threads into a universal bushing well to provide the same function as an integral load break bushing. Using bushing inserts makes field installation and replacement possible and efficient. Bushing inserts and elbow connectors comprise the essential components of all load break connections. The bushing Insert uses a patented wholly current path, containing only one current transfer point, within the insert itself. The uncomplicated nature of the current path design delivers superior, reliable performance.

An internal broach allows for positive torque controlled installation. Using the optional installation torque tool the bushing insert can be properly tightened into the bushing well without the fear of accidentally breaking the bushing well stud.

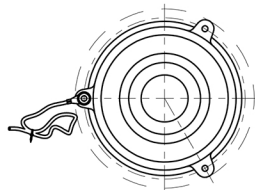
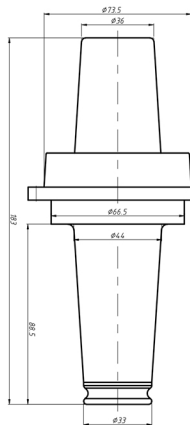
Power exclusive latch indicator ring, located on the circumference of the bushing's collar, eliminates the guesswork of load break elbow installation of the bushing insert.

The bright yellow ring provides immediate feedback to determine if the elbow is properly installed on the insert.

The Bushing Insert are molded using high quality sulfur-cured insulation and semi-conduction EPDM rubber. When mated with a comparably rated component the bushing insert provides a fully shielded and submersible connection for load break operation.

## Specifications

Description	Units	Ratings
Voltage Class	kV	15 kV
Voltage Rating	kV	8.3/14.4 kV
Rated Current	kV	200 A
AC Withstand Voltage 1 min	kV	45 kV
DC Withstand Voltage 1 min	kV	53 kV
Partial Discharge	kV	15 kV, $\leq 10$ pC
BIL	A	95 kV



## Product Structure

1. PULLINGEYE: Stainless steel reinforced for positive shotgun stick switching operations.
2. INSULATION: High-quality EPDM rubber formulated, mixed, and milled in-house for consistent and reliable field performance.
3. SEMI-CONDUCTIVE INSERT: High-quality EPDM rubber creates a smooth surface around the "current interchange" to evenly distribute electrical stress within the insulation.
4. TEST POINT(OPTIONAL): Corrosion-resistan, conductive electrode provides consistent capacitive voltage for application of fault indicators and determining a circuit's state (cap not shown)
5. SEMI-CONDUCTIVE SHIELD: High-quality EPDM rubber provides protective dead front shield that meets requirements of IEEE Standard 592.
6. LOADBREAK PROBE: Tin-plated copper probe with arc-ablative tip(arc follower)
7. CONDUCTOR CABLE LUG: Inertia-welded aluminum barrel and threaded copper lug makes crimping easy and ensures a tight, reliable electrical connection with load break probe. Standard IEEE and CSA types available.