

# Speedmount

## Pole Type Secondary Bushings

Central Moloney, Inc.  
Components Operation  
An ISO 9001:2000 Certified Company

### Product Data Sheet

File No.	PDS1021	Revised:	April 6, 2006
Availability:	Immediate	Supersedes:	8/96

## Speedmount

### Family of Secondary Bushings for Pole Type Transformers

Central Moloney now offers a complete family of superior design molded secondary bushings optimized for distribution transformers 10-500 KVA. Molded of high strength engineered thermoplastic to precise specifications, each bushing design provides superior performance compared to porcelain bushings.

#### Seal Integrity...

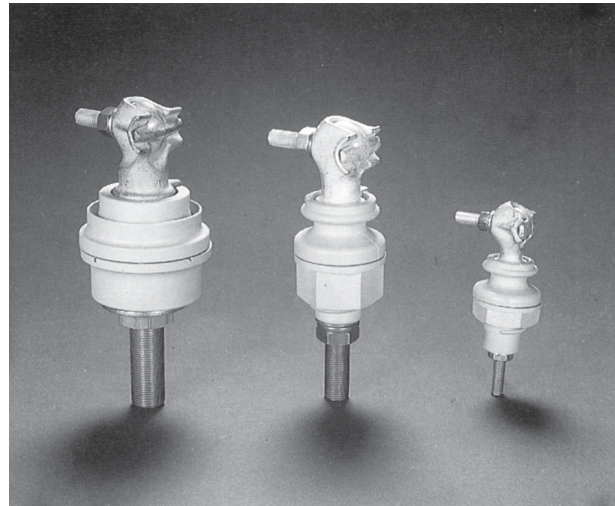
Captive, recessed gaskets provide optimum compression on both the conductor and flange seal, independent of the tightening torque. Due to being captive, the gaskets are completely shielded from the weather and damaging ultraviolet radiation. Seal integrity for the life of the transformer prevents "breathing bushings" which allow moisture ingress and eventual transformer failure.

#### Cantilever Strength...

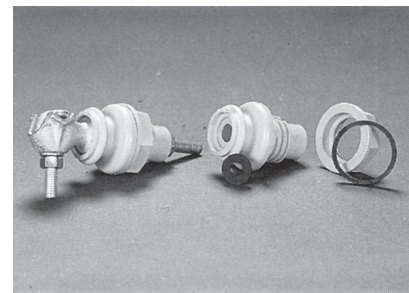
The bushing flange is in full contact with the tank wall providing unsurpassed cantilever strength without loss of seal for withstanding the heaviest of cable loading. Fragile porcelain bushings must be cushioned from the tank wall with a gasket to prevent breakage. The toughness of the Speedmount bushings allows them to be tightened directly against the tank wall providing effective cantilever strength many times that of porcelain bushings. See chart for strength comparison.

#### Impact Resistance...

Injection molding of glass filled thermoplastic, Speedmount bushings provide superior impact strength compared to porcelain. These bushings hold up to the abuse which can occur



(L-R) Speedmount II, Intermediate Speedmount, Speedmount I



Speedmount I, the Preferred Bushing in the Industry

### Speedmount Advantages

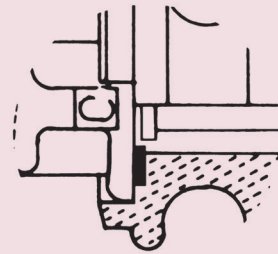
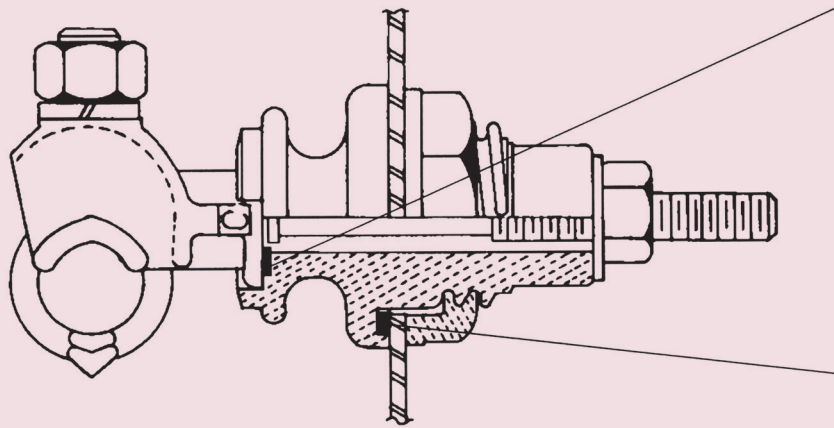
- **Seal Integrity** - fully captive, recessed gaskets
- **Cantilever Strength** - unsurpassed in the industry, superior to porcelain
- **Impact Resistance** - superior to porcelain

in shipping and handling, thus preventing costly repairs.

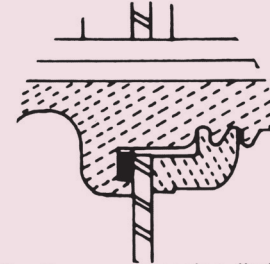
#### Material...

Speedmount bushings are molded of state of the art, field proven, ultraviolet inhibited glass filled engineered thermoplastic. For over twenty years high quality transformer components have been manufactured of this material. In addition to low voltage bushings, components such as tap changers, dual voltage switches, bushing wells, fuse holders, terminal blocks, etc. have utilized the excellent mechanical, dielectric, and weathering properties of this engineered thermoplastic.

# Speedmount I Pole Type Secondary Bushing

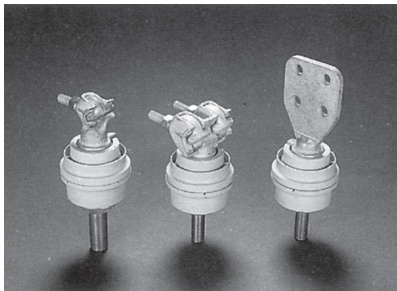


Captive, compression limited gasketing on terminal.



Captive, compression limited gasketing on mounting flange. Body firm against the tank wall for superior cantilever strength

## Typical Seal Geometry

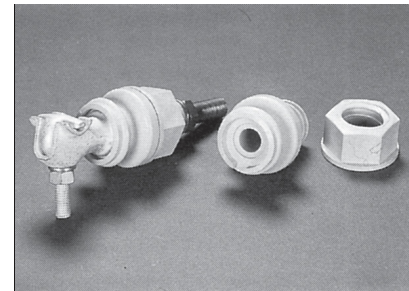


Speedmount II, with Available Terminal Configurations

### Size Availability...

Conductor Size Availability (Electrolytic Grade 110 Copper is Standard)

Speedmount I	3/8", 1/2" Dia.
Intermediate Speedmount	5/8", 3/4" Dia.
Speedmount II	3/4", 1", 1 1/4" Dia.



Intermediate Speedmount I - Bolt or Spade Terminals Available

### Cantilever Advantage...

Typical Cantilever Force to Leak (in Ft-Lbs)

<b>Speedmount I</b>	<b>160-181</b>
Typical Porcelain Advantage	19-22 7:1
<b>Intermediate Speedmount</b>	<b>300-400</b>
Typical Porcelain Advantage	14-30 10:1
<b>Speedmount II</b>	<b>400-500</b>
Typical Porcelain Advantage	60-71 6:1

### Terminal Options...

For detailed information on terminal availability and ordering instructions see individual Product Bulletins:

Speedmount I	PDS1002
Intermediate Speedmount	PDS1018
Speedmount II	PDS1003

## Speedmount

### The Bushing

#### To Specify...

*For greater transformer reliability through advanced seal integrity, reduced breakage, and superior cantilever withstand, specify Central Moloney Components Speedmount Bushings.*

## Technical Specification...

Secondary bushings shall have captive, compression limited, fully shielded conductor and flange seals. Bushings shall be certified to withstand the following cantilever loading without leaking.

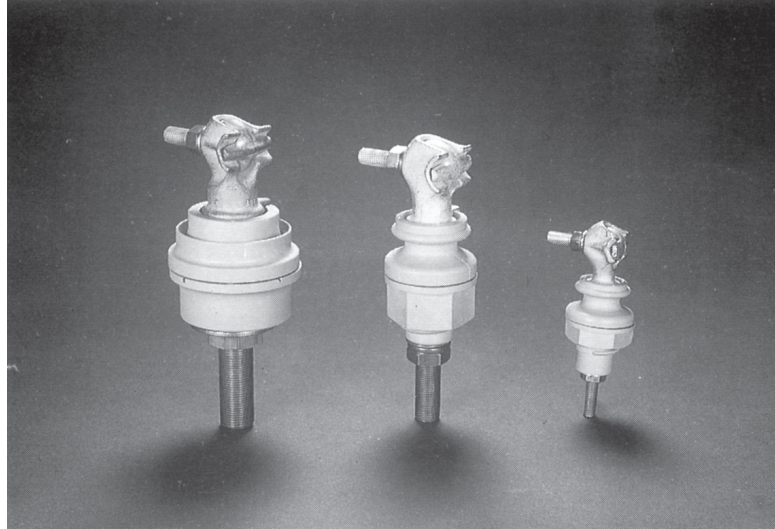
### Cantilever Withstand Rating...

KVA	Secondary Voltage		
	120/240	240/480	277
10 - 50	100 FT-LBS	100 FT-LBS	100 FT-LBS
75	300 FT-LBS	100 FT-LBS	100 FT-LBS
100	300 FT-LBS	100 FT-LBS	100 FT-LBS
167	300 FT-LBS	300 FT-LBS	300 FT-LBS
250	400 FT-LBS	300 FT-LBS	400 FT-LBS
333	400 FT-LBS	300 FT-LBS	400 FT-LBS
500	400 FT-LBS	400 FT-LBS	400 FT-LBS

Secondary bushings shall be Central Moloney Speedmount Series or approved equal.

## Typical Application for 1 Phase Transformers...

KVA	Secondary Voltage		
	120/240	240/480	277
10 - 50	SPMT I	SPMT I	SPMT I
75	INT SPMT	SPMT I	SPMT I
100	INT SPMT	SPMT I	SPMT I
167	INT SPMT	INT SPMT	INT SPMT
250	SPMT II	INT SPMT	SPMT II
333	SPMT II	INT SPMT	SPMT II
500	SPMT II	SPMT II	SPMT II



(L-R) Speedmount II, Intermediate Speedmount, Speedmount I

*For Superior Seal Integrity,  
Cantilever Strength &  
Impact Resistance*

## ***CMI Speedmount Bushings***

  
**Central Moloney, Inc.**  
**Components Operation**  
An ISO 9001:2000 Certified Company

5500 Jefferson Parkway Pine Bluff, AR 71602 Tel 870-247-5320 Fax 870-247-5369  
E-mail: [info@cmicomp.com](mailto:info@cmicomp.com) Website: [www.centralmoloneyinc.com](http://www.centralmoloneyinc.com)