



# UTILITY SUPPLY (WEST) CORP.

#101-26921 Gloucester Way Langley, BC V4W 3Y3  
Phone: 1-855-381-2146 Fax: 1-604-381-2147 www.usccanada.com

## SLEEVE AND WASHER SETS

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### ISOLATION KITS

#### PRODUCT DATA SHEET

Lamons sleeve and washers sets, when combined with our sealing/isolation gaskets, complete a Flange Isolation Kit. For a successful flange isolation kit, it's critical to use the appropriate material for your application. Compressive strength, flexural strength, and cut through resistance are key material physical properties that should not be over looked.  
General Offering

Sleeve Material: G10, G11, Nomex, Mylar, Mica

Retainer Washer Material: G10, G11, Phenolic, Mica, HC

Steel Back-Up Washer Material: Steel ZP, 304SS, 316SS, HC



Single Washer Set (per bolt/stud)

- (1) ea. 1/8" {0.125"} (3.18mm) thick Steel ZP Washers
- (1) ea. 1/8" {0.125"} (3.18mm) thick Isolating Washer
- (1) ea. Isolating Sleeve

Double Washer Set (per bolt/stud)

- (2) ea. 1/8" {0.125"} (3.18mm) thick Steel ZP Washers
- (2) ea. 1/8" {0.125"} (3.18mm) thick Isolating Washers
- (1) ea. Isolating Sleeve



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### ISOLATION KITS

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The most commonly used and specified Sleeve and Washer Set Combinations.

ED = Economy (Mylar Sleeves, Steel ZP Washers and Phenolic Washers) - Double Washer Set.

VD = Mylar Sleeves (Steel ZP Washers and G10 Washers) - Double Washer Set

SD = Standard (G10 Sleeves, Steel ZP Washers and G10 Washers) - Double Washer Set.

MD = G10 Sleeves, Mica Washers and Steel ZP Washers - Double Washer Set

#### Cut-Through Resistance

Cut Through Resistance and Flexural Strength is critical in selecting sleeve material for your flange isolation kit application. As nominal pipe size increases, as well as ANSI or API class, the fasteners (bolts/studs) increase in size and torque is generally higher. Larger and heavier stud bolts with higher torque loads can more easily cut through material during installation. This is more likely to occur if flanges and bolt holes are not in perfect alignment. Use or specify G10 sleeve material as a standard for all applications. Or consider G10 sleeves for applications of Nominal Pipe Size 12" and larger and ANSI pressure class 600# and higher.

