

**Prime Conduit Inc.**

BOREABLE MULTI-GARD®



## Boreable Multi-Gard® Trenchless Raceway

Prime Conduit's PVC Boreable Multi-Gard conduit combines a strong boreable outerduct with the convenience of a Multi-Cell conduit. Boreable Multi-Gard utilizes leading technology from Prime Conduit's PVC Bore-Gard® Trenchless Raceway, offering a field-proven design. Bores up to 500 feet can be achieved without labor-intensive operations. Lengths of 20 feet fit into tight spaces often encountered on underground boring job sites. Experience the strength and convenience of Prime Conduit Boreable Multi-Gard.

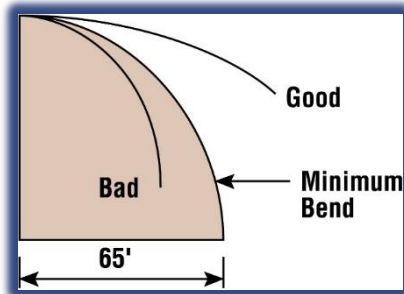
Part Number	Type	OD (in.)	Innerduct Dimensions ID (in.)	<sup>1,3</sup> Pull Test Outer Shell Only (lbf)	<sup>2,3</sup> Bend & Pull Outer Shell Only (lbf)
MFSS3B-020	3-Way	4.5	1.50	5,700	5,000
MFSS4B-020	4-Way	4.5	1.19	5,700	5,000



<sup>1</sup>Pull Test UL651 6.12.2.1 - @ 80 PSI

<sup>2</sup>Bend & Pull UL651 6.12.2.2 - 65' Bend Radius @ 80 PSI

The Bend & Pull and Pull test results are recorded in lbf (pounds-force). This is NOT equivalent to PSI (lbf/in<sup>2</sup>). It is the responsibility of the customer to make that conversion (if needed) based on installation/equipment conditions.



**Minimum Bend Radius:** Turns in a bore path should be made gradually. Boreable Multi-Gard has a minimum bend radius of 65'. Bending more than this recommended limit will stress the joint. The drawing illustrates the 65' bend radius. To obtain a 90° turn you will require 65' of forward distance in any directional plane.

**Note:** Successful directional drilling, reaming and pipe installation are influenced by numerous factors including the reamed diameter, pull rate, fluid chemistry, fluid flow rate, drill rod diameter, soil conditions, equipment performance and condition, and operator experience. All manufacturers' equipment recommendations and training should be followed for successful drilling results.

### Assembly:

1. Position Boreable Multi-Gard with the print line facing up.
2. Remove plastic locking strap and set it aside.
3. Seal off lead end to keep out drilling fluid.
4. Attach 4" Kellems Grip over lead end. Note: Internal pulling eye cannot be used due to innerduct interference.
5. The installer should use appropriate instrumentation to insure that maximum pull rating is not exceeded.
6. Take next piece of Boreable Multi-Gard and insert spigot end into belled end of the first piece until the insertion line is no longer visible. Note: Innerducts need to be aligned before insertion.
7. Slide the plastic locking strap into slot on the side of the bell. Push the strap in completely. It is not necessary to remove or cover the handle on the strap.
8. Repeat with remaining sections as space allows.
9. Pull into bored hole. Terminate into man holes.
10. Boreable Multi-Gard is now ready for duct proofing and cable installation.

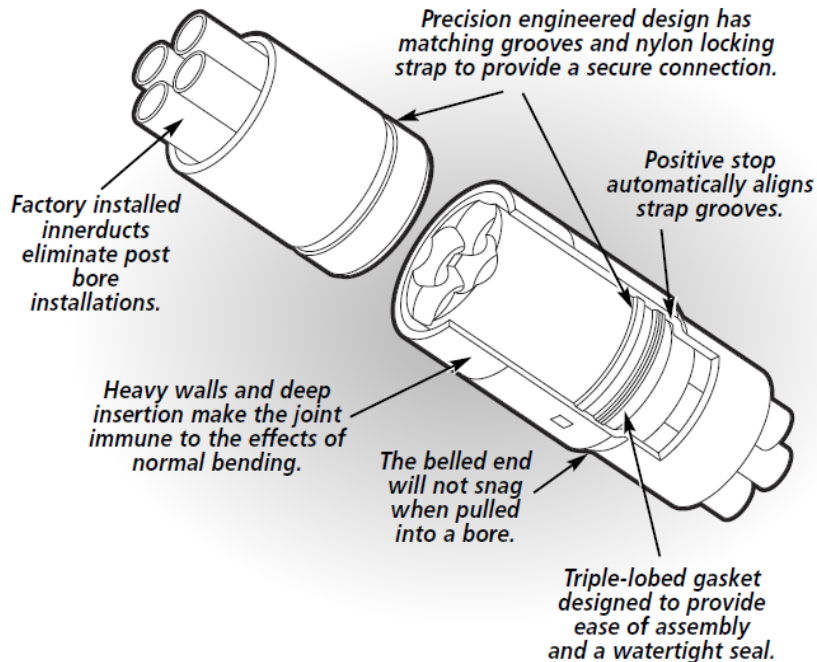
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### Packaging:

Part Number	Type	Length (ft.)	Package Quantity (ft./bundle)	Bundles per Truckload	Feet per Truckload	Approx.Wt. per 100 ft. (lbs)
MFSS3B-020	3-Way	20	520	28	14,560	561
MFSS4B-020	4-Way	20	520	28	14,560	565

### Features:



- Withstands pulling and bending forces of directional drilling.
- Eliminates labor related to gluing and screwing joints together.
- Type: Type 40 PVC Outerduct
- Size: 4"
- Prelubricated innerducts
- Easy to handle 20 foot lengths
- For bores up to 500 feet
- Fast easy assembly
- Strong water-tight joints without cement
- Fits standard Schedule 40 nonmetallic conduit Fittings
- Compatible with Multi-Gard Type 40 PVC products.