

PRIME CONDUIT BORE-GARD® TRENCHLESS RACEWAY

RUS Listed



BORE-GARD

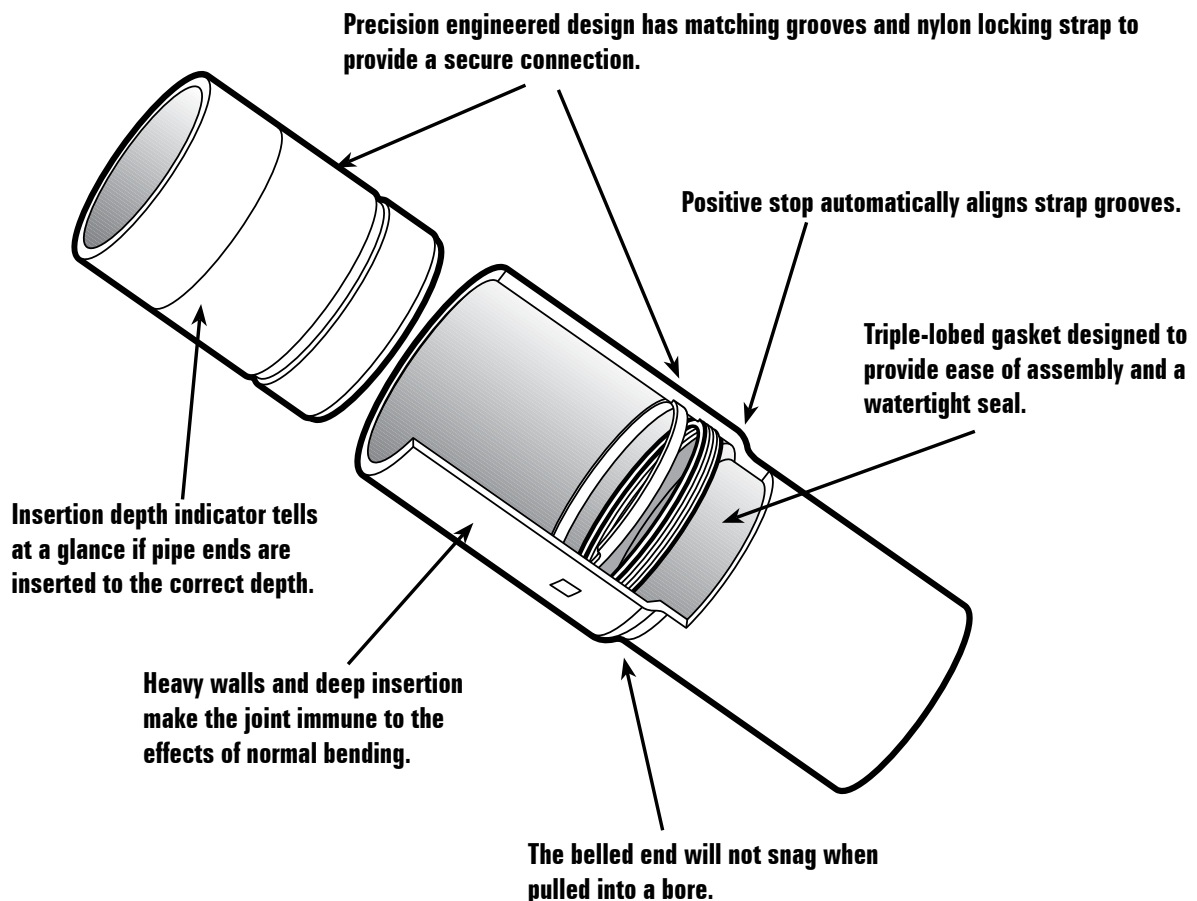
Prime Conduit PVC Bore-Gard® conduit eliminates the costly problems of HDPE pipe on a reel such as reel handling, fusion welding, uncoiling and wasted pipe, safety hazards and additional job site labor.

Bore-Gard is designed and proven to meet the rigorous requirements of horizontal directional drilling for electrical and datacom applications and is available in Heavywall Schedule 40 or Extra Heavywall Schedule 80 conduit.

The unique design incorporates a water-tight seal and locking ring that enables fast, cement-free assembly, strong enough for 1000 foot bores. Short lengths of 10 and 20 feet fit into the tightest spaces and can be easily transported to the job site. Simplify trenchless installations and lower your costs with Bore-Gard.

Features:

- Easy to handle 10 and 20 foot lengths
- For bores up to 1000 feet
- Fast easy assembly
- Strong water-tight joints without cement
- Fits standard rigid nonmetallic conduit fittings
- All nonmetallic construction
- Superior crush and stiffness over HDPE
- Eliminates the need for chains and backing plate installation
- Type: Schedule 40 - Heavywall /Schedule 80 - Extra Heavywall
- Sizes: Schedule 40 - 3", 4", 5", & 6"/Schedule 80 - 3" & 4"



PRIME CONDUIT BOREABLE MULTI-GARD®

Prime Conduit PVC Boreable Multi-Gard® conduit combines a strong boreable outerduct with the convenience of a MultiCell conduit.

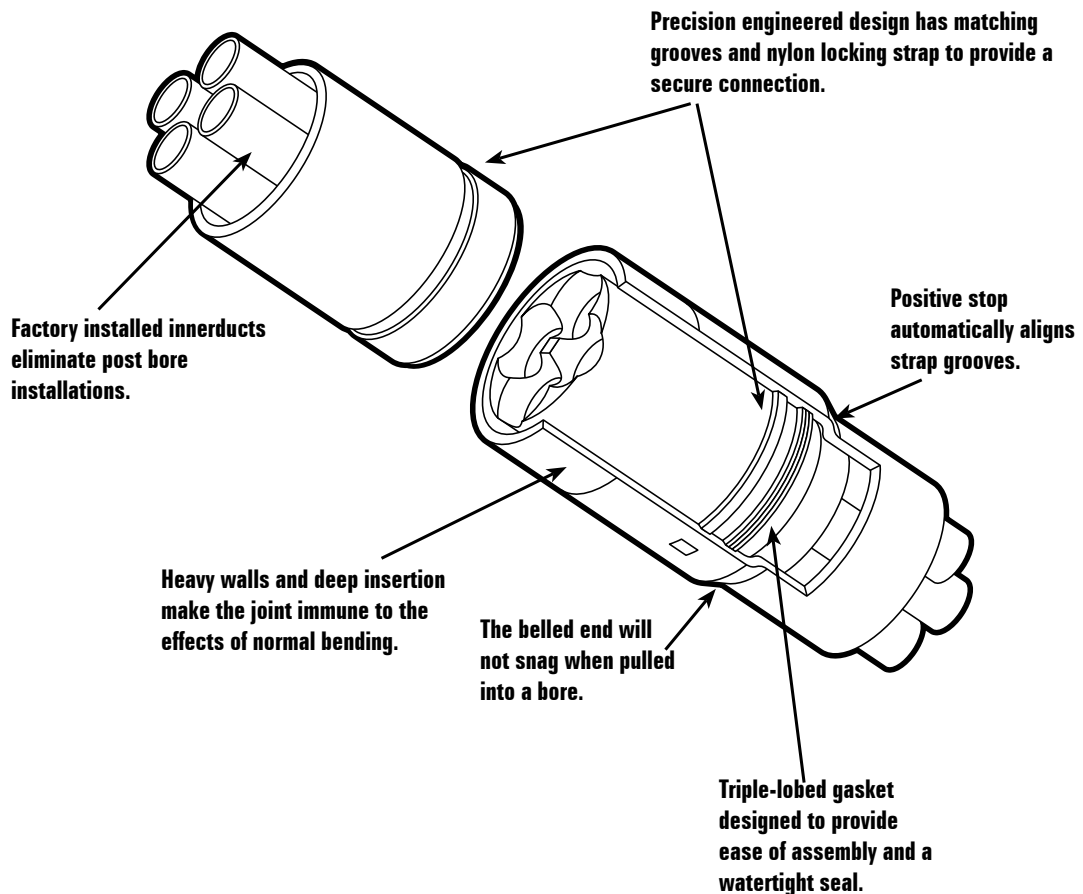
Boreable Multi-Gard utilizes leading technology from Prime Conduit PVC Bore-Gard® Trenchless Raceway, offering a field-proven design.

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 Boreable Multi-Gard.

Features:

- Withstands pulling and bending forces of directional drilling
- Fast assembly
- Eliminates labor related to gluing and screwing joints together
- For bores up to 500 feet
- Innerducts: 3-way or 4-way
- Easy to handle 20 foot lengths
- Type: Schedule 40 PVC outerduct
- Size: 4"
- Prelubricated innerducts
- Strong water-tight joints without cement
- Fits standard Schedule 40 fittings
- Compatible with Multi-Gard Schedule 40 PVC products



BORE-GARD® SPECIFICATIONS

*U.S. Patent 6,789,629



Except where noted by ▶



Except where noted by +

SCHEDULE 40

- RUS Listed

Part No.	Description	Overall Length (ft.)	Lay Length	Dimensions O.D. (in.)	Dimensions I.D. (in.)	Pkg. Qty. (ft./bundle)	Bundles per Truckload	Feet per Truckload	Wt. per 100 ft. (lbs.)	Min. Bend Radius (ft.)	Insertion Force (lbs.)	Seal Pressure Rating (PSI.)	Joint Pull Rating (lbs.)	Typical Crush lbs. (@ 30% deflection)	UL Std. 651 & NEMA TC2 Min. Crush (lbs.)
BG340SP-010	3" Sch. 40 Bore-Gard	10	9'6"	3.50	3.0	350	56	19,600	164	65	20	75	7,000	1,225	1,000
BG340SP-020	3" Sch. 40 Bore-Gard	20	19'6"	3.50	3.0	700	28	19,600	164	65	20	75	7,000	1,225	1,000
BG440SP-010	4" Sch. 40 Bore-Gard	10	9'6"	4.50	4.0	260	56	14,560	234	65	40	75	8,700	1,075	900
BG440SP-020	4" Sch. 40 Bore-Gard	20	19'6"	4.50	4.0	520	28	14,560	234	65	40	75	8,700	1,075	900
BG540SP-010	5" Sch. 40 Bore-Gard	10	9'6"	5.56	5.0	230	40	9,200	317	65	60	75	11,300	950	850
BG540SP-020	5" Sch. 40 Bore-Gard	20	19'6"	5.56	5.0	460	20	9,200	317	65	60	75	11,300	950	850
BG540SP-020	6" Sch. 40 Bore-Gard	10	9'6"	6.625	6.0	200	40	8,000	418	65	80	75	14,000	950	850
BG640SP-020	6" Sch. 40 Bore-Gard	20	19'6"	6.625	6.0	400	20	8,000	418	65	80	75	14,000	950	850

SCHEDULE 80

- RUS Listed

Part No.	Description	Overall Length (ft.)	Lay Length	Dimensions O.D. (in.)	Dimensions I.D. (in.)	Pkg. Qty. (ft./bundle)	Bundles per Truckload	Feet per Truckload	Wt. per 100 ft. (lbs.)	Min. Bend Radius (ft.)	Insertion Force (lbs.)	Seal Pressure Rating (PSI.)	Joint Pull Rating (lbs.)	Typical Crush lbs. (@ 30% deflection)	UL Std. 651 & NEMA TC2 Min. Crush (lbs.)
+BG480SP-010	4" Sch. 80 Bore-Gard	10	9'6"	4.50	3.8	260	56	14,560	308	65	40	75	12,000	2,000	2,000
+BG480SP-020	4" Sch. 80 Bore-Gard	20	19'6"	4.50	3.8	520	28	14,560	308	65	40	75	12,000	2,000	2,000
+BG380SP-010	3" Sch. 80 Bore-Gard	10	9'6"	3.50	2.8	350	56	19,600	210	65	20	75	10,000	2,000	2,000
+BG380SP-020	3" Sch. 80 Bore-Gard	20	19'6"	3.50	2.8	700	28	19,600	210	65	20	75	10,000	2,000	2,000

ACCESSORIES

PULLING EYES

These high-quality pulling eyes have a permanent outer sleeve and a seal on pipe O.D.

Part No.	Description	Package Dimensions (in.)	Package Weight (lbs.)	Package Type
▶BG3PE	3" Pulling Eye	10"x 4"x 4"	8	Carton
▶BG4PE	4" Pulling Eye	17"x 6"x 6"	26	Carton
▶BG5PE	5" Pulling Eye	16"x 7-3/4"x 7-3/4"	37	Crate
▶BG6PE	6" Pulling Eye	19-1/2"x 8-1/4"x 8-1/4"	63	Crate

LOCKING STRAPS

Size	Part No.	Std. Ctn. Qty.
3"	▶GSUP3	1
4"	▶GSUP	1
5"	▶GSUP5	1
6"	▶GSUP6	1

GASKETS

Part No.	Std. Ctn. Qty.
▶HBOR3	1
▶HBOR	1
▶HBOR5	1
▶HBOR6	1

BOREABLE MULTI-GARD® SPECIFICATIONS

Part No.	Description	Length (ft.)	Dimensions O.D. (in.)	Innerduct Dimensions I.D. (in.)	Pkg. Qty. (ft./bundle)	Bundles per Truckload	Feet per Truckload	Wt. per 100 ft. (lbs.)	Min. Bend Radius (ft.)	Seal Pressure Rating (PSI.)	Maximum Pull Rating (lbs.)
▶MFSS3B-020	3-way Boreable Multi-Gard	20	4.50	1.50	520	28	14,560	561	65	75	5000
▶MFSS3B-020	4-way Boreable Multi-Gard	20	4.50	1.19	520	28	14,560	565	65	75	5000

Steel Mesh Grip part no. MAG4 is recommended to be used as pulling attachment for Boreable Multi-Gard®.

FUSIBLE PVC SCHEDULE 40 ELECTRICAL CONDUIT



CANTEX and Underground Solutions have teamed up to offer you the strongest fusible PVC Schedule 40 Electrical Conduit on the market. Fusible PVC™ is used for directional drilling/boring and direct burial. Our proprietary PVC formulation, patented fusion process, certification program and installation experience ensures the success of every job.

- **Not limited to bores of 1000 feet or less**
- Available in 3", 4" and 6" Sch. 40 Conduit in 20' lengths
- No length lost during installation
- Greater pull force rating than HDPE
- Greater pull force rating than other PVC systems
- Easier to install than HDPE pipe - no reels, no wasted pipe
- Will not flatten or collapse
- No gaskets or additional parts are required for a fast, water tight installation
- Interfaces with standard Schedule 40 fittings
- Specially designed fusible bells provide a smooth, unobstructed path for wires or cables



CAN-FUSE

THE FUSION PROCESS

Fusion is performed by CANTEX technicians and/or licensed and trained contractors. The patented fusion process consists of the following steps:

1. Pipe ends are precisely aligned.
2. The fusion machine's dual cutting head faces and squares both ends of the PVC pipe simultaneously.
3. An electronically controlled heating element (pre-heated in preparation for fusion) is positioned, the ends of the pipe are moved into place and a bead of fusible material is formed as the pipe heats.
4. After the pipe ends have been heated, the heat plate is removed, the pipe ends are brought together and held under pressure until the newly-formed joint cools.
5. A Data Logger is used to verify proper facing and fusion.
6. The fusion process creates an external and internal bead on the pipe joint.

All fusion times are comparable to other thermoplastic materials. All joints are fully restrained and testing demonstrates that the tensile strength of the fused joint equals the tensile strength of the pipe.



Pipe ends are held under pressure until newly-formed joint cools.



Can-Fuse fusion process

SCHEDULE 40

- Conduit meets requirements of NEMA TC2
- Manufactured to UL 651 standards
- Interfaces with standard Schedule 40 fittings

Part Number	Trade Sizes	DR	Material	Joint Length (FT)	Lay Length (FT)	O.D. (in)	Min Wall (in)	I.D. (in)	Wt. (Lbs/ft)	Joint Pull Rating (Lbs)	UL 651 Crush Requirements (Lbs)	Allowable Bend Radius (Ft)	Feet per Pack	LF per Truck	Weight per Truck (Lbs)
A22DA45	3"	Sch 40	PVC	20	20	3.500	.216	3.008	1.450	15,000	1,000	65"	900	14,400	20,880
A22EA45	4"	Sch 40	PVC	20	20	4.500	.237	3.961	2.100	20,000	900	65"	800	9,600	20,160
A22GA45	6"	Sch 40	PVC	20	20	6.625	.280	5.986	3.700	30,000	850	65"	360	5,760	21,312