

Bore-Gard

PVC trenchless raceway

The unique design incorporates a proprietary water-tight seal and locking ring that enables fast, cement-free assembly, strong enough for 1000 foot bores.

Benefits

- Lower overall installed cost – simpler handling, faster assembly, lower labour cost
- Lower freight cost
- Greater internal fill capacity – Bore-Gard does not distort into an oval during spooling
- No wasted product
- Easier to transport, especially over rough terrain – one length of Bore-Gard can be carried by one person
- Strong and flexible for directional drilling

applications

- Use standard PVC fittings – Bore-Gard is made using standard Schedule 40 dimensions – can be cemented
- No reel handling equipment required – Bore-Gard can be unloaded by hand
- No fusion splicing equipment required to join two pipe sections – Bore-Gard is joined together by one person
- No costly reels to return – with Bore-Gard, there are no reels to handle

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01 Trim spigot end before attaching pulling eye.

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02 Tighten pulling eye so that it expands against interior of the conduit.

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03 Attach the next piece of Bore-Gard.



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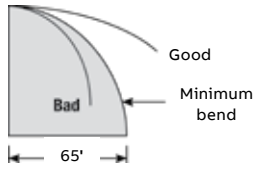
Assembly

1. Position Bore-Gard with the print line facing up.
2. Remove plastic locking strap and set it aside.
3. Remove end caps. On first stick only, trim spigot end of Bore-Gard at the groove before attaching the pulling eye/gripping attachment.
4. Insert pulling eye into spigot end of Bore-Gard.
5. Tighten pulling eye so that it expands against the interior of the conduit. Use of sleeve over O.D. of conduit is recommended.
6. The installer should use appropriate instrumentation to ensure that maximum pull rating is not exceeded.
7. Take next piece of Bore-Gard (10' or 20') and insert spigot end into belled end of the first piece until the insertion line is no longer visible.
8. 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.
9. Repeat with remaining sections as space allows.
10. Bore-Gard is now ready for installation.

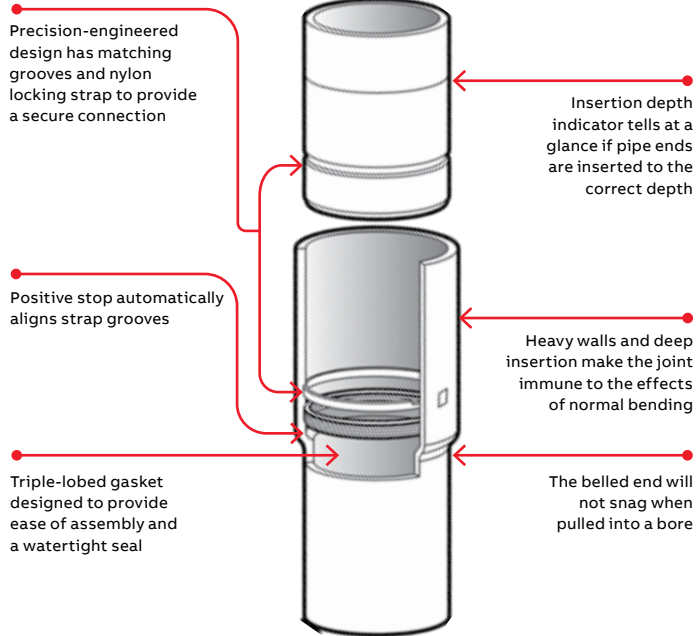
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01 Minimum bend radius: Turns in a bore path should be made gradually. Bore-Gard and boreable Multi-Gard have a minimum bend radius of 65'. Bending more than this recommended limit will stress the joint. The drawing on the left illustrates the 65' bend radius. To obtain a 90° turn, you will require 65' of forward distance in any directional plane.



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Technical information

Axial tensile rating	3 in. - 7,000 pull-apart rating 4 in. - 8,700 pull-apart rating 5 in. - 11,300 pull-apart rating 6 in. - 14,000 pull-apart rating
Minimum bend radius	65 feet – assembly force 20 lb
Seal pressure rating	75 psi
Stiffness rating	600 lb/in. @ 5% defl.
Lengths	10 ft. and 20 ft.
Restrained joint in bell	Locking ring/ groove design



Cat. no.	Description	Overall length (ft.)	Lay length	O.D. (in.)	I.D. (in.)	Pkg. qty (ft./bundle)	Bundles per truckload	Feet per truckload	Wt. per 100 ft. (lb)	Min. bend radius (ft.)	Insertion force (lb)	Seal pressure rating (psi)	Joint pull rating (lb)	Typical crush rating (lb) (@ 30% deflection)	NEMA TC2 min. crush (lb)
BG340SP-010	3 in. Sch. 40	10	9'6"	3.50	3.0	350	56	19,600	164	65	20	75	7,000	1,225	1,000
BG340SP-020	3 in. Sch. 40	20	19'6"	3.50	3.0	700	28	19,600	164	65	20	75	7,000	1,225	1,000
BG440SP-010	4 in. Sch. 40	10	9'6"	4.50	4.0	260	56	14,560	234	65	40	75	8,700	1,075	900
BG440SP-020	4 in. Sch. 40	20	19'6"	4.50	4.0	520	28	14,560	234	65	40	75	8,700	1,075	900
BG540SP-010	5 in. Sch. 40	10	9'6"	5.56	5.0	230	40	9,200	317	65	60	75	11,300	950	900
BG540SP-020	5 in. Sch. 40	20	19'6"	5.56	5.0	460	20	9,200	317	65	60	75	11,300	950	900
BG640SP-010	6 in. Sch. 40	10	9'6"	6.625	6.0	200	40	8,000	418	65	80	75	14,000	950	900
BG640SP-020	6 in. Sch. 40	20	19'6"	6.625	6.0	400	20	8,000	418	65	80	75	14,000	950	900