



# Pipe Bending

## Spring Shoe Bender 10-12



### Spring Shoe bender for 10-12 inch pipe

The flexible membrane, combined with a hinging framework allows the spring shoe bender to be used on pipe from ten to twelve inches in diameter, with no additional parts required to change from one size to another. The materials used in the spring shoe bender allow bending of coated pipe without damage to the coating. Coated pipe that have been successfully bent with the spring shoe bender are rock shield, FBE, Yellow Jacket, tapes and hot dope.

Conventional field bending using a shoe on a pipelayer consists of multiple bends put in a joint of pipe by applying winch pressure—releasing—walking forward—and applying pressure again. The special membrane on the spring shoe bender allows the pipe to slide through the shoe at the same time that the bend is being made, thus allowing the operator to complete the bending process quickly and efficiently. This “walking bend” also effectively moves the pressure point on the pipe during the bend, helping to control crimping, egging and damage to the coating.

The finished bend on a single joint of pipe can exceed 45°, depending on the coating and the requirement for the trench.

**DIMENSIONS:** 48” L X 40” W X 24” H — 640 lbs. Net

*Challenger Services also offers a shoe for pipe size 2-8 inches.*

*The spring shoe bender with mounting bracket is lightweight, economical and easily attached to a sideboom. The spring shoe bender offers substantial cost savings over a conventional pipe bending machine with bending sets, and far better bending performance than the standard bending shoe. (Video tape available on request).*

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