

FORGED ALUMINUM GROOVED CLAMP



* Referential image

** Some features may vary without prior notice. Sale subject to inventory availability

DATE

: 04/22/2026 04:45 AM

SKU

: 11403

BRAND

: DIXON VALVE

MODEL

: DBV-WB400

Applications:

Grooved clamps are often used on pipe connections on dry bulk tankers in place of welding offering the ability to adjust, change or replace pipe sections without the need for a permanent joint such as a weld.

Use:

Designed to join two pieces of pipe together.

White Buna-N seal is for use in dry bulk food applications

Use of lock nuts prevents clamps from loosening in high vibration applications

Specifications:

Manufactured to fit new and existing grooved pipe connections.

Features:

Precision forged to provide an exact fit and great appearance

Unlike steel groove clamps that secure pipe ends with high clamping force against tubing/piping walls, the Dixon aluminum clamp takes the full bolt force and locks into the groove of the tube/pipe, preventing distortion of the tube/pipe diameter.

Precision casting and machined dimensions provide an exact fit and great appearance

Easy to preform maintenance

Leak-tight connection

Construction:

Aluminum body

Steel bolts/nuts

White Buna-N seals

How it works:

The two pipes are butted to one another each pipe has a groove that runs the

circumference of the pipe exterior. The grooved clamp has ridges that lock into the two pipe grooves and a gasket is compressed to the pipes to create a leak-tight seal.

Note:

Supplied clamp gasket must be installed prior to use. Ships separately.
Replacement gaskets are available.

Safety notes:

Torque the bolts until metal to metal contact occurs at the bolt pads (about 20 ft-lbs). Bolts must be tightened evenly to prevent gasket pinching and clamp breaking. DO NOT tighten one side then the other. Over-torquing will not improve sealing and may result in failure of the clamps. DO NOT torque bolts over 30 ft-lbs.

Intended for tank truck applications only

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

TECHNICAL SPECIFICATIONS

Factory Part Number	DBV-WB400
Mandatory Pkg/Box Qty	1
Material	Aluminum
Pressure Rating	120 PSI
Seal	White Buna-N
Size	4"
Torque	20 ft. lbs.
Weight Lb	1.3880