



# Checkmate™ Gasket for Eduction Pipe Connections

## Checkmate™ Gasket

VSP Technologies Checkmate Gasket was developed for OTMA/temporary field repair when the eduction pipe can not be completely removed for gasket replacement.

The Checkmate design allows repairs to be conducted with ease. The specific aspects of using this gasket are the focus of these guidelines.



To replace the eduction flange gasket, mechanics must remove the eduction pipe from the car. In most mobile and field settings, this is difficult. The Checkmate design addresses this challenge.

Always contact a VSP representative to review each application before proceeding.



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## INSTALLATION INSTRUCTIONS

Follow all **company safety procedures** to prepare and work on the tank car before disassembling the flange(s).

### REMOVE OLD GASKET

1. Remove the nuts/washers
2. Raise the flange 1-2 feet to allow access for gasket removal/installation
3. Secure the flange so it does not drop "pinch point"
4. Remove the old gasket
5. Perform a visual inspection of the flanges, fasteners, and nuts/washers



### INSTALL CHECKMATE GASKET

1. Ensure the gasket is properly oriented on the flange with the Checkmate joint aligned with a fastener
2. When installing Checkmate gasket, ensure the joint is tightly snapped together



3. Lower the siphon pipe.
4. Lubricate the threads and nut-bearing surface
5. Install fasteners and tighten per the assembly instructions provided.

**NOTE:** The sections must fit together uniformly without overlap.

