

NOTE: These instructions do not extend or modify Deublin's warranty, the complete terms of which are set forth in Deublin's catalog. For further information or assistance, please contact:

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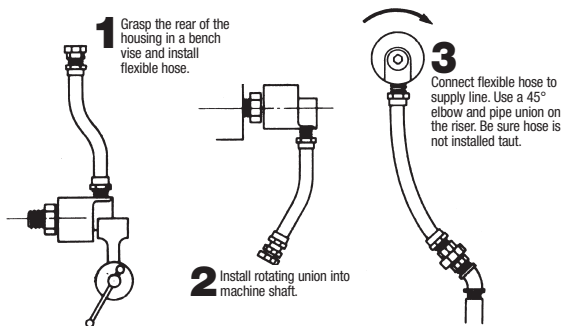
ROTARY UNION INSTALLATION and MAINTENANCE INSTRUCTIONS

WARNING

Deublin Unions should not be used to seal **HYDROCARBONS, FLAMMABLE MEDIA, or GROUP D** materials because leaks may result in **EXPLOSIONS OR FIRES**. Deublin Unions should not be used for applications other than specified in the catalog. The use of our product on exotic or corrosive medias is strictly forbidden. For applications other than stated in the catalog, the Deublin Engineering Department should be contacted for recommendations.

INSTALLATION

No exterior bracing should be used to prevent the housing of a ball bearing type union from rotating. To compensate for any eccentricities occurring from installation, it is imperative that a flexible connection be used. **DO NOT PIPE SOLID.** Use a 45-degree elbow and pipe union on the riser, making certain there is a slight curve in the hose. Do not install hose taut.



LUBRICATION

Lubrication of the ball bearings or seal faces is periodically required. The models which are not equipped with a grease fitting or oil cup are lubricated for life and require no maintenance other than periodic inspection to determine if normal wear has caused the union to leak. The unions equipped with oil cups should be lubricated periodically with four to five drops of high quality SAE #30 motor oil, approximately once a month or in extreme severe conditions where high rpm is encountered once a week.

Rotating unions which are equipped with grease fittings should be lubricated with a good quality ball bearing grease. We recommend Chevron SRI 2 for temperatures to 250°F (121°C). Only enough grease should be applied to the ball bearings to replace that which has been dissipated. Over-greasing can be as damaging to the union as under-greasing. Particularly in high rpm applications, grease should be used sparingly. The chart below provides the approximate frequency of lubrication depending on temperature or as experience dictates.

OPERATING TEMPERATURE	FREQUENCY OF LUBRICATION
0°F (-18°C) to 250°F (121°C)	Once every three months

For applications above 250 F° please contact Deublin Engineering Department.

Frequency of lubrication can also vary greatly depending on the rpm. For more specific information contact either Deublin Company or your local supplier of lubricants.

DEUBLIN UNIONS should not be used for applications other than specified in the catalog. The use of our product on exotic or corrosive medias is strictly forbidden. For applications other than stated in the catalog, The Deublin Engineering Department should be contacted for recommendation.

These instructions are provided by Deublin as general guidelines. They do not contain exhaustive information about the installation, use or maintenance of unions. Purchasers and users of Deublin unions should be certain that they have reviewed Deublin's catalog and have sufficient experience and training in the use of unions before attempting installation or use of Deublin's products. The principal responsibility for the safe and effective use of Deublin unions rests with the user and its employees. Deublin will, upon request, provide advice to users about products and assistance with difficulties and problems.