

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:

AMERICAS

DEUBLIN Company
2050 Norman Drive, West
Waukegan, IL 60085-6747 U.S.A.
Phone: +1 847 689-8600
Fax: +1 847 689-8690
customerservice@deublin.com

CANADIAN OFFICE
3090 Le Carrefour Blvd, Suite 505
Laval, Québec H7T 2J7 Canada
Phone: +1 514 745-4100
Fax: +1 514 745-8612
customerservice@deublin.com

DEUBLIN de Mexico
S. De R.L. de C.V.
Norte 79-A No. 77, Col. Claveria
02080 Mexico, D.F.
Phone: +52 55-5342-0362
Fax: +52 55-5342-0157
deublin@prodiy.net.mx

DEUBLIN Brasil
Juntas Rotativas de Precisão Ltda.
Rua Santo Antonio, 1458 Vila Galvão
Guarulhos, São Paulo,
Brazil 07071-000
Phone: (55) 011-6455-3245
Fax: (55) 011-6455-2358
deublinbrasil@deublinbrasil.com.br

ASIA

DEUBLIN Asia Pacific Pte Ltd
51 Goldhill Plaza, #11-11/12
Singapore 308900
Phone: +65 6259-9225
Fax: +65 6259-9723
deublin@singnet.com.sg

DEUBLIN (Dalian)
Precision Rotating Unions Co., Ltd
No. 2, 6th DD Street, DD Port Dalian
Liaoning Province, 116620, P.R. China
Phone: +86 411-87549678
Fax: +86 411-87549679
info@deublin.cn

DEUBLIN Asia Pacific Pte Ltd
Shanghai Representative Sales Office
China Merchants Plaza 12th Floor,
Suite (East) 1208, 333 Chengdubei Rd
Shanghai, 200041 China
Phone: +86 21-52980791
Fax: +86 21-52980790
service@deublin.cn

DEUBLIN Japan Limited
2-13-1, Minamihanyashiki
Kawanishi City 666-0026, Japan
Phone: +81 72-757-0099
Fax: +81 72-757-0120
customerservice@deublin-japan.co.jp

2-4-10-3F Ryogoku
Sumida-Ku, Tokyo 130-0026, Japan
Phone: +81 35-625-0777
Fax: +81 35-625-0888

DEUBLIN Korea Co., Ltd
104-11, Seang-Ryung-Dong
Kwang-Ju-Si, Kyung-Gi-Do, Korea
Phone: +82 31-763-3311
Fax: +82 31-763-3309
customerservice@deublin.co.kr

EUROPE

DEUBLIN GmbH
Nassaustraße 10
65719 Hofheim, Germany
Phone: +49 6122-8002-0
Fax: +49 6122-15888
info@deublin.de

DEUBLIN Italiana Srl
Via Guido Rossa 9
40050 Montevoglio (BO), Italy
Phone: +39 051-835611
Fax: +39 051-832091
info@deublin.it

Via Giovanni Falcone 36
20010 Bareggio (MI), Italy
Phone: +39 02-90312711
Fax: +39 02-90278189
info@deublin.it

DEUBLIN Limited
6 Slopwith Park,
Royce Close, West Portway
Andover SP10 3TS, UK
Phone: +44 1264-333355
Fax: +44 1264-333304
deublin@deublin.co.uk

DEUBLIN Sarl
61 bis, Avenue de l'Europe
Z.A.C de la Malnoue
77184 Emerainville, France
Phone: +331-64616161
Fax: +331-64616364
service.client@deublin.fr

DEUBLIN S.L.
Avda. Bogatell 23
08005 Barcelona, Spain
Phone: +34 93-2211223
Fax: +34 93-2212093
serviciocliente@deublin.es

DEUBLIN Polska Sp. z o.o.
ul. Kamienskiego 201-219
51-126 Wrocław, Poland
Phone: +48 71-3528152
Fax: +48 71-3207306
info@deublin.pl

DEUBLIN Austria GmbH
Trazerberggasse 1/2
1130 Wien, Austria
Phone: +43 1-8768450
Fax: +43 1-876845030
info@deublin.at

DEUBLIN Finland Oy
Kiväärireititeankatu 8
40100 Jyväskylä, Finland
Phone: +358 207 290 210
Fax: +358 207 290 219
info@deublin.fi

DEUBLIN Italiana Srl -
Swedish Filial
Cylindervägen 18, Box 113
13 126 Nacka Strand, Sweden
Phone: +46 8 716 2033
Fax: +46 8 601 3033
e-mail: info@deublin.se

DEUBLIN® ROTATING 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.

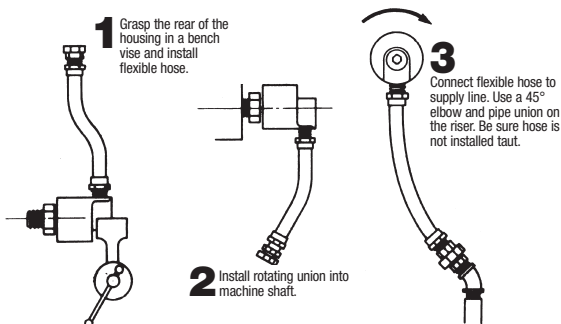
©2010 DEUBLIN COMPANY

1/10

IG-004-U

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.