

# WE TREAT PRECISION AS AN EXACT SCIENCE

## PRECISION

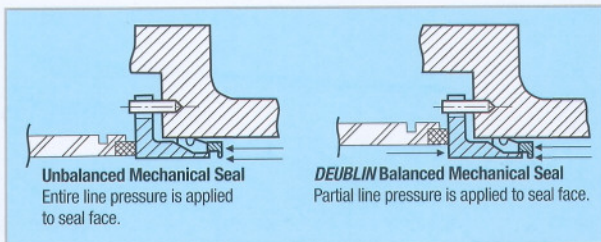
A rotating union must be capable of containing very high pressures while rotating at very high speeds. Smooth, easy rotation can only be achieved by exactly mating the seal faces to minimize friction.

All Deublin seals have a surface finish of 4 RMS and are micro-lapped to an optical flatness of better than 2 light bands or .000023" for dependable, leak-proof operation. Seals are then enclosed in housings that are machined on CNC turning machines to provide essential part-to-part precision.



## BALANCED MECHANICAL SEAL

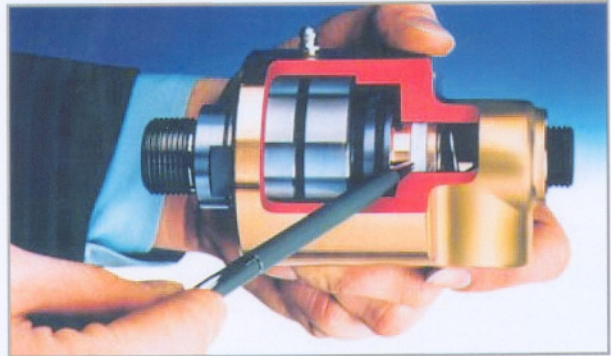
The greater the pressure on a rotating seal face, the greater the friction, torque and wear on the union. That's why Deublin rotating unions feature "balanced mechanical seals". With this technology, the thrust load or seal face contact pressure is kept to a minimum regardless of media pressure. This reduces wear, resulting in longer seal life. The spring-loaded seal is keyed so that it cannot rotate or creep, which can cause premature failure in secondary seals, resulting in a leaking union.



## EXTENDED LIFE SEALING

Responding to ever-increasing speeds and pressures, Deublin pioneered Extended Life Sealing (E.L.S.). E.L.S. rotating unions offer outstanding performance under the toughest conditions, and can extend service life two to four times, depending on the severity of the application. E.L.S. unions use advanced materials such as tungsten carbide and silicon carbide to provide the best possible seal solution for the application.

Where reliability is of prime importance, E.L.S. should be specified to protect against contaminants and resist wear caused by rust, scale, chips and other harmful abrasives.



## PROFESSIONAL SERVICE AROUND THE CLOCK AND AROUND THE WORLD.

At Deublin, our service is as reliable as our products. Given the importance of rotating unions to your equipment's performance, our products have to be reliable. That's why we developed a computerized, worldwide service network to provide emergency service 24/7.

Whether you need a spare part, a new product, technical advice, or help with an ongoing design project, our experienced customer service representatives and engineers are always available to provide immediate assistance.

For all your rotating union requirements—no matter how unique or complex—you can rely on Deublin.

## NUMBER SYSTEM

DEUBLIN ordering numbers for standard rotating unions consist of 2, 3 or 4 number groups. Each group describes a particular characteristic feature such as application, seal combination or rotor connection (refer to ordering example).

Rebuilding and repair kit numbers differ from their respective rotating union numbers by the insertion of a letter (B or C). The letter B stands for a rebuilding kit, and the letter C for a repair kit (refer to ordering example).

### ORDERING EXAMPLE:

