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TYTON FEMATICS CANADA INC.

We specialize in the design, testing, manufacturing and supply of an extensive range of mechanical sealing solutions for the power generation industry. Our products can be found in power stations all over the world.

Originally founded in 1961 under the banner of Huhn Seal and subsequently as Tyton Seal in 1972, we are now known as Fematics Canada Inc. one of the leading turbine seal manufacturers in the world.

Engineering and manufacturing of turbine seals and replacement parts in handled exclusively at Fematics plant in St. Laurent Quebec, Canada. This ensures the consistent renounced expertise and service provided for over 50 years. We have produced seals for all types of turbines worldwide with shaft sizes ranging from 4 inches to 90 inches. We also manufacture replacement parts for existing seals and provide retrofit units to replace existing seals and/or outdated stuffing boxes.

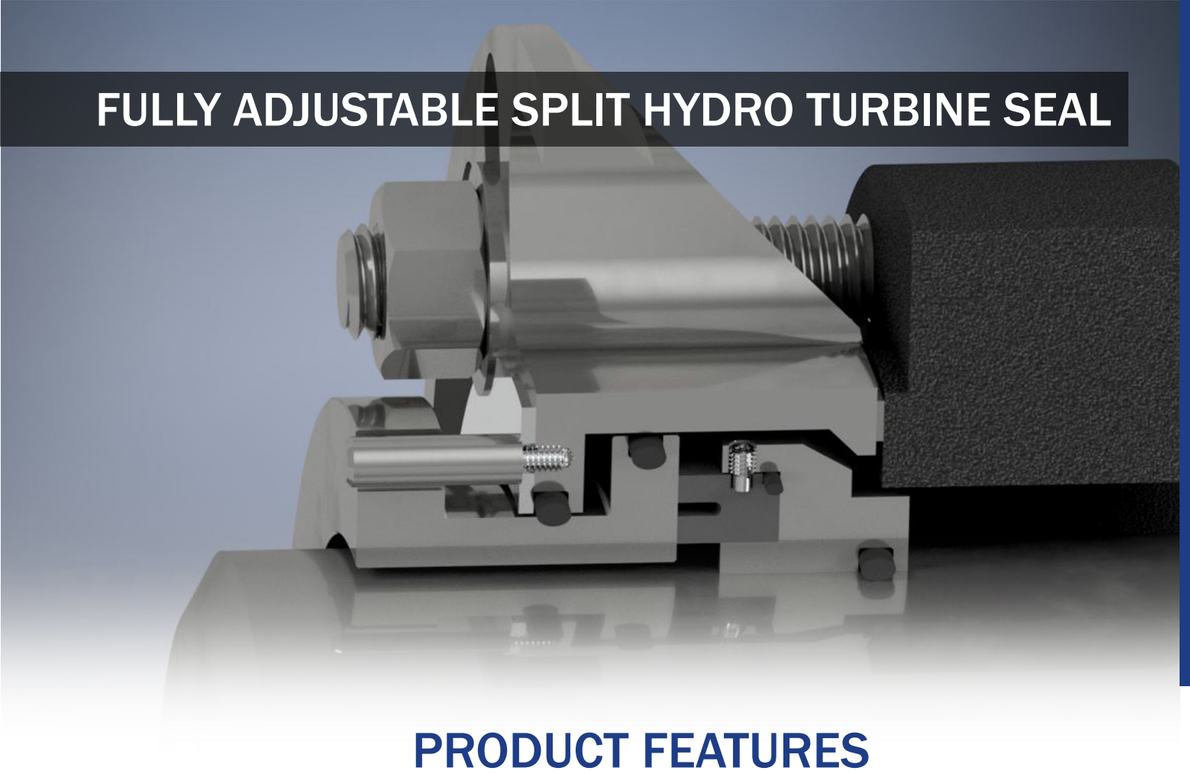
If you require assistance with your seal problem the experienced staff of engineers at Fematics Canada will be happy to answer any of your questions.

55 Years
TYTON FEMATICS CANADA INC.

# SMALL/MEDIUM HYDRO SPLIT MECHANICAL SEAL

# TH400 SERIES

# FULLY ADJUSTABLE SPLIT HYDRO TURBINE SEAL



## ADVANTAGES

- OUR UNIQUE CARBON BUILD-UP MATERIAL IS RELIABLE AND LONG LASTING
- FIELD REPAIRABLE
- SIMPLE 4 PART INSTALLATION
- LARGE RANGE OF SIZES
- MULTIPLE BOLTING PATTERNS
- AXIAL TYPE SEAL = NO SHAFT WEAR
- REPLACEABLE SEALING RING
- FULLY ADJUSTABLE BY AIR PRESSURE
- REQUIRES VERY LITTLE WATER LUBRIFICATION
- COST EFFECTIVE
- QUICK DELIVERY

## PRODUCT FEATURES

| | |
|---|---|
| SIZES AVAILABLE | 4-15’’ (101-380mm) |
| NO. OF SPLITS | 2 or 4 segments |
| HEIGHT OF SEAL | 4-6’’ (101-152mm) |
| BOLT PATTERN AVAILABLE | 2-12 bolts (may require adaptor plate) |
| HEIGHT OF WEARABLE MATERIAL | 3/8’’ (9.5mm) |
| INSTALLATION DIRECTION | Vertical or Horizontal |
| MECHANICAL WEAR INDICATOR | Included |
| SEALING RING | Replaceable |

## OPERATIONAL LIMITS

| | |
|---|---|
| MAX TURBINE PRESSURE | 150 PSI (1000 kPa) |
| MAX TURBINE SPEED | Limited by water injection |
| RECOMMENDED BARRIER PRESSURE | 5 PSI over turbine pressure |
| RECOMMENDED WATER QUALITY | 100 microns or better |
| RADIAL SHAFT DISLOCATION | +/- 3mm (0.12 inch) |
| AXIAL SHAFT DISLOCATION | +/- 6mm (0.25 inch) |