



# Fugesco

Power Mechanical Seals



**FA400 series**  
**Small/Medium Hydro**  
**Split Mechanical Seal**

# FULLY ADJUSTABLE SPLIT HYDRO TURBINE SEAL



## PRODUCT FEATURES

- ❊ **Sizes available:**  
250 to 600 mm
- ❊ **Method of closing the faces:**  
Compression springs, pre-assembled in non-split versions
- ❊ **Mechanical Wear indicators:**  
As standard / no. Available as add-on
- ❊ **Drive screws for the shaft size:**  
Minimum 3 to 4 set screws
- ❊ **Number of splits:**  
2 segments
- ❊ **Material for the housing:**  
Stainless steel

## Advantages:

- No shaft wear
- Cost effective
- Quick delivery
- Floating sealing ring that ensure perfect flatness between sealing faces

## OPERATIONAL LIMITS

**Max turbine pressure:**

250 mm – 5 Bar, 400 mm – 6 Bar, 500 mm – 5.8 Bar, 600 mm – 4.4 Bar

**Max turbine speed:**

Velocity 15 m/s (250 mm – 980 RPM, 400 mm – 615 rpm, 500 mm – 615 rpm, 600 mm – 430 rpm)

**Recommended barrier pressure:**

0.2 to 0.34 Bar

**Recommended water quality:**

Max 50 microns

**Radial shaft dislocation:**

+/- 0.20 mm

**Axial shaft dislocation:**

1 - 2 mm dynamic, static mode - can be adjusted according to turbine requirement

BlackDiamond FX1  






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