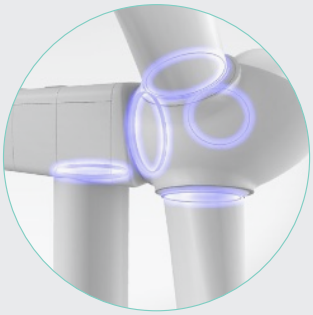
Wind

DAFA RotaSeal®

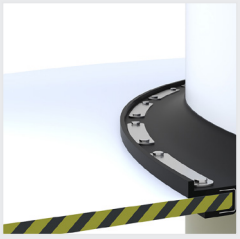
Mechanically fastened durable solutions designed for rotating parts in wind turbines



DAFA RotaSeal® increases productivity
DAFA RotaSeal avoid the leakage of oil and prevents salt, sand, water, and dust from entering vital parts.

DAFA RotaSeal® PUR S sealing for rotating parts. Mechanically fastened on the tower or nacelle bottom cover.

DAFA RotaSeal® Angle Profile sealing for rotating parts. Mechanically fastened on the vertical flange on the nacelle bottom cover.



DAFA RotaSeal® Straight Profile sealing for rotating parts. Mechanically fastened on the horizontal flange on the nacelle bottom cover.

- DAFA RotaSeal is designed for fast and efficient mounting, both horizontally and vertically
- DAFA RotaSeal materials are tested up against common hydraulic and gear oils, antifreeze fluids and greases according to DIN 53504
- DAFA RotaSeal is tested for abrasion properties according to DIN ISO 4649
- DAFA RotaSeal is designed for a wide range of constructions and adopts to tolerances in the given application
- Clamping profiles are produced with stainless steel EN 1.4301
- DAFA RotaSeal solutions are designed focusing on low friction and abrasion
- DAFA RotaSeal solutions fit both fibreglass, steel and aluminium flanges and plates
- DAFA RotaSeal is tested for wear according to ASTM G99 (400 km test) and internal DAFA test (2000 km test).

DAFA RotaSeal®

	Specification	Unit	DAFAcombi P™	DAFApur S™	DAFApur M™
Color			Black	Brown/Yellow	Dark brown
Density	DIN 1183-1	g/cm³	1,43	1,24	1,17
Hardness	DIN ISO 7619-1	°Sh A ±5°	75	70	70
Tensile strength	DIN 53504	MPa	10	min 35	52
Elongation at break	DIN 53504	%	275	min 500	800
Wear properties at 400 km test*	ASTM G99	%	0,13	-	4,5
Wear properties at 2000 km test**	Internal DAFA test	%	0,64	2,35	-
Compression set at 70° and 22h	DIN ISO 815	%	25		15
Tear strength	DIN ISO 34-1	N/mm	6	30	54
Temperature resistance		°C	-40 – +100	-40 – +70	-40 – +80

* Wear properties (reduced %) acc. to ASTM G99. Distance 400 km, Flounce 2 x 10 mm, load = 30 g.

** Internal DAFA test. Performed in test laboratory on untreated glass fiber with 5N compression on a 50 mm test sample.

Determination of tensile stress at break according to DIN 53504
Exposed to media for 1000 hours at +65°C