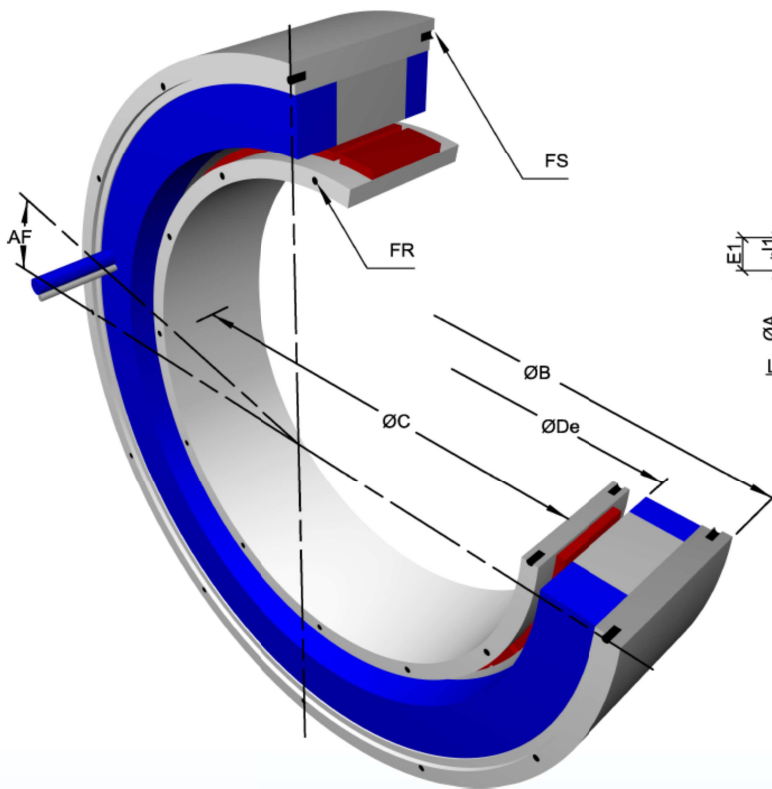
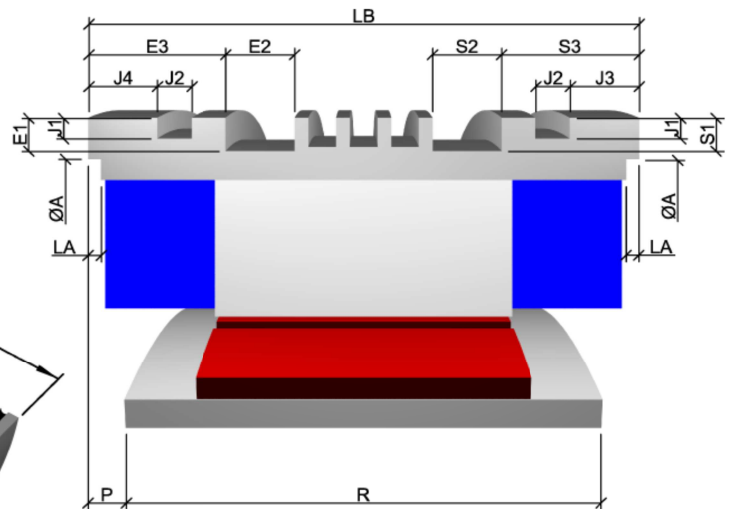


Natural convection



Fluid cooling



DIMENSIONS FOR ALL 800 STK

Housing internal centering diameter	A H8	762
Angle wire output / tapped holes	AF	11.25°
Housing external centering diameter (fluid cooling)	B f8	795
Housing external centering diameter (natural convection)	B f8	795
Rotoric internal centering diameter	C H7	630
Housing internal diameter	De	689
Depth of fluid front input / output groove	E1	8
Width of fluid front input / output groove	E2	15.5
Position of fluid front I/O groove	E3	28 (68)
Rotoric fixation holes	FR	16xM8 sur Ø645
Housing fixation holes	FS	16xM8 sur Ø774
O-ring groove depth	J1	4.9
O-ring groove width	J2	7.4
Position of rear o-ring groove	J3	13.7
Position of front o-ring groove	J4	15.7 (55.7)
Depth of housing internal centering diameter	LA	5
Alignment rotor / housing	P ± 0.2	47 (87)
Maximum rotoric contact diameter	Pmax	666
Depth of fluid rear I/O groove	S1	8
Width of fluid rear I/O groove	S2	15.5
Position of fluid rear I/O groove	S3	26

DIMENSIONS ACCORDING TO SIZE

		800STK1M	800STK2M	800STK4M	800STK6M
Housing length	LB ± 0.15	112.5 (152.5)	140 (180)	195 (235)	250 (290)
Rotor length	R + 0.15	27.5	55	110	165

The dimensions in red in the table are valid in the case of a rated current greater than 53 A and class 6 shielded cable output

We also offer the possibility of not shielded output wires without need of stator length increase.

INTEGRATION:

- ✓ The cables are made of PU, class 6, foreseen for cable-bearing chains, 2 mt standard length, copper square section according rated current.
- ✓ Rotor / housing alignment (P) has to be executed within +/- 0.2 mm. Optionally, we can supply a mounting tool for achieving that alignment in case of assembly without possibility of accurate alignment.
- ✓ Thermal devices cable consists of 2 shielded pairs 2x2x0.25mm² section, 7 mm max external diameter.
- ✓ (De) represents:
 - 1- The maximum diameter passing inside the housing.
 - 2- The minimum diameter necessary for rotor assembly.
- ✓ (Pmax) diameter for pieces in contact with the rotor must never be exceeded.
- ✓ Tapped holes on each side of rotor and housing are angularly aligned.
- ✓ Cable positioning (AF) is theoretical. Leave a free room with a +/- 5 arc degrees tolerance around that position, on a 50 mm height from the housing side, for avoiding to stress the cables at the motor output.
Do not tighten, twist or bend the power cable on the first 50 mm from motor side. Clamp the power cable after those 50 mm.
- ✓ When designing the assembly, take care to insure a perfect contact between housing and user's bore for avoiding thermal problems.
- ✓ For housing mounting, use either external centering diameter (B) or internal centering diameters (A).
- ✓ For execution tolerances (perpendicularity, concentricity...), please consult us.
- ✓ Fluid input and output pipes have to be placed at the opposite of wire outputs on the same axial plane.
- ✓ O-ring grooves designed for 6 mm diameter o-rings.

A full integration handbook can be supplied to our customers upon request
For further information or specific request about our motors, feel free to contact us.