MAGNETIC COUPLING AND SPEED REGULATING DEVICE

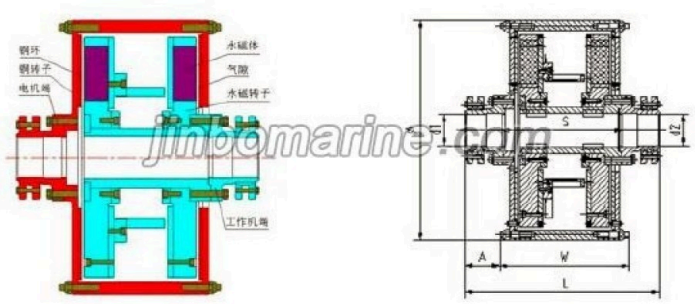
COX Limited Torque Permanent Magnet Eddy Current Transmission

ISO9001 Supplier

Class Certificate

Export Supply

At the initial position, the air-gap is 3mm between copper rotor and permanent magnet rotor. When The motor rotates, the copper ring of copper rotor cut the magnetic field lines of permanent magnet, Generat...



Key Highlights

Category	Magnetic Coupling and Speed Regulating Device
Standard	DIN
Weight / Size	Simple structure, small size, easy to install, adapt to work in harsh co...
Certificate	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Magnetic Coupling and Speed Regulating Device	**Model / SKU**	COX-Limited-Torque-Permanent-Magnet-Eddy-Current-Transmission
Standard	DIN	**Weight / Size**	Simple structure, small size, easy to install, adapt to work in harsh conditions.
Certificate	CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

China COX Limited Torque Permanent Magnet Eddy Current Transmission:

At the initial position, the air-gap is 3mm between copper rotor and permanent magnet rotor. When

The motor rotates, the copper ring of copper rotor cut the magnetic field lines of permanent magnet,

Generate inductive eddy current and creates a magnetic field in copper rotor. Between the two fields,

There is force which is not only transfer torque between the motor and work machine, but also transfer

The axial force between sub-rotors. Compared with the speed slip between copper rotor and permanent

Magnet rotor, the air-gap is from 3mm to 5mm for achieving better soft-start.

When the speed of work machine reaches a certain value, the block, between the permanent

Magnet rotor, moves for centrifugal force. And, the air-gap is more than 5mm.

When the work machine suddenly overloaded or stuck in the case, the speed of permanent magnet

Rotor decreased rapidly, or reduce to zero immediately. But, the speed of the motor and the copper rotor

Almost the same, due to the axial force between sub-rotors enlarge the air-gap till max. Thereby

Reducing transmitted torque between the copper rotor and the permanent magnet rotor till a small value.

And, even the load exceeding a certain limit value, the motor is fully protected

Few day-maintenance, low operation cost, almost maintenance-free products

Accept misalignment, centration error 5mm (max), angular error 2 (max) 。

With overload protection, increase overall system reliability, eliminate the amazement of system for

Overload. When the loading is in normal, the system automatically return to working or can be

Directly re-start.

Improve the motor starting capability and come true the motor soft start / stop. Specially, suitable for

Big torque, high inertia loads.

Reduce shock and vibration, coordinate between multi-machine-driven load distributions.

Simple structure, small size, easy to install, adapt to work in harsh conditions.

Extend the life of the transmission system components.



