EHN Series
Fluid Couplings for Diesel Applications
For powers up to 600 kW
The EHLN series are hydrodynamic clutches which are directly connected on the diesel engine by a high flexible coupling. The EHLN meets the requirements of a power take off unit with the advantage of a fluid coupling. The oil pump, which is driven directly by the diesel engine with a chain, supplies the fluid coupling with the required oil. It is ensured, that the bearings are lubricated once the diesel engine is running. Depending on the position of the electrically remoted solenoid valve, the clutch is going to be emptied or filled quickly according to the operation condition and load. If the EHLN coupling is emptied, it separates the engine from the load and the diesel engine can warm up unloaded. While filling a smooth start-up pressure results.

**Features of EHLN fluid couplings:**
- No load start-up of engine
- Absorbs shock loads
- Dampens torsional vibrations
- Smooth start-up of driven machine
- Unloaded engine warm up
- Remote control via solenoid valve
- Belt slippage avoided thus better belt life
- No wearing parts and long life

**Working principle**

The EHLN series is offered in three models suitable for wide range of power up to 600kW.

**Applications:**
- Crushers, shredder machines, wood chippers, mills
- Conveyors
- Recycling machines

**Applications:**
- Pumps and compressors
- Fans
- Ship drives
- Mixers
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**Technical Data EHLN**

<table>
<thead>
<tr>
<th>Coupling model</th>
<th>Max. rating in kW at different input speeds in RPM</th>
<th>SAE-Housing</th>
<th>SAE-Flywheel</th>
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<td>104</td>
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<td>894</td>
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**Oil Circuit for HLN Couplings**

**Accessories:**
- Oil feeding pump
- Oil filter
- Solenoid valve (on-off)
- Oil level indicator
- Temperature transmitter or switch
- Pressure transmitter or switch

**Dimension EHLN in mm**

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esco - Excellent service for excellent brands

By service, we – the esco team – mean far more than maintenance and repair. That’s why our service already starts with the first phone call. Our experienced experts advise you on choosing the appropriate components and offer technically and economically convincing solutions meeting your requirements. In constructive collaboration with you and our suppliers we realize the solution concepts efficiently and give you our support throughout the whole project phase until the start-up on site. Engineering and consulting service, products of leading manufacturers and first class support – esco offers optimum performance at an economical price.

Personal consultation

At the Troisdorf offices, our field experienced engineering team answers in detail all questions regarding conception of complete drives or customization to the requirements of the application. Close cooperation and personal consultation provide confidence – and this is now more important than ever.

Service activities

We know how cost-intensive production losses resulting from machine downtime are. So, we do our utmost to make your equipment ready for operation again as fast as possible. Short reaction times due to best organized service processes and an extensive stock at the Troisdorf location with 24/48 hours delivery of all important spare parts guarantee safe operation of your machines and minimum downtimes.

For more information on clever drive solutions from esco please refer to www.esco-antriebstechnik.de.
Or simply call us! Our sales team will be pleased to help you.