

DATA SHEET

Clutches >



GKN STROMAG KMS...THC **HYDRAULIC MULTI-DISC CLUTCH**

NEW

Customer Requirements >

Need for a clutch to engage/disengage the Thruster-Propulsion-System, arranged between the diesel engine and the thruster gearbox. High torque with low dimensions and hydraulically operated. Stand-alone version which means outside of the thruster gearbox. Mounting position in the machine room or “on Deck” as well.

Coming-Home function in case of emergency.

Solution >

A hydraulically operated clutch with high power density, a compact design and a stand-alone solution. A conceptual design of a hydraulically operated multi-disc clutch (KMS...THC) based on our approved KMS clutches offering pre-treatment against corrosion protection for “on Deck” installation. The new KMS...THC is designed for thruster applications, where a clutch with a reliable safety torque transfer is required.

Emergency switching device for coming-home, radial arrangement with bolts to allow manual engagement/disengagement of the clutch in case of any failure of pressure supply.

TECHNICAL DATA

Torque	1,400 up to 22,500 Nm
Max. speed	up to 2,100 rpm
Ambient temperature	-10°C up to +80°C
Pressure	27 bar
Application area	on/off deck

APPLICATION

KMS...THC Series has been designed for use in Thruster-Propulsion-Systems all over the world. Various sizes are available.

The clutch is arranged between diesel engine and gearbox.

BENEFITS INCLUDE >

- > No internal oil cooling necessary
- > Clutch housing on bearings for applications outside of the gears
- > Clutch in protective closed housing
- > Direct connection e.g. of a PTO to the clutch housing

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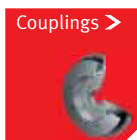


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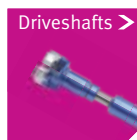
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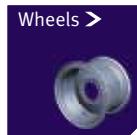
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> TO POWER APPLIED

Stromag
— safety in motion —

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