



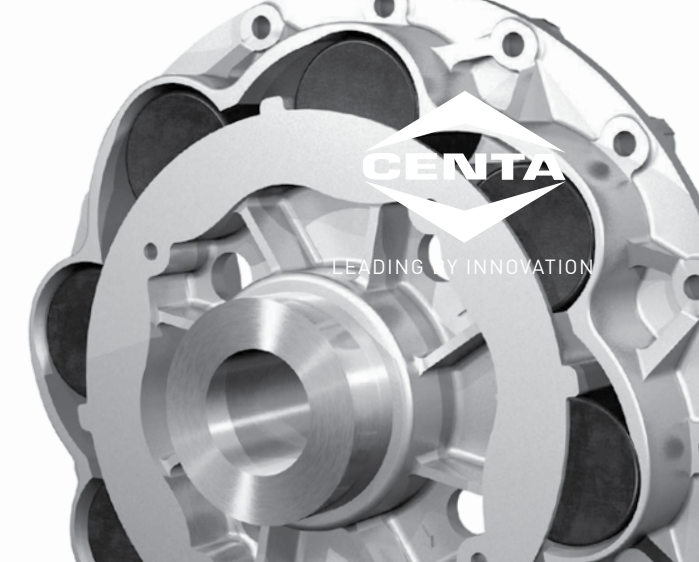
LEADING BY INNOVATION

ENGINE DRIVES AND COUPLINGS



PRECISION ENGINEERED ENGINE DRIVES FOR INDUSTRIAL EQUIPMENT,
CONSTRUCTION & HYDRAULIC POWER, WORKBOATS, PLEASURE BOATS,
FAST FERRIES, CRUISE SHIPS, CARGO VESSELS AND OTHER LARGE CRAFT.

Independent mechanical drives specialists providing a wide range of engineered precision positioning and power transmission drive solutions for all types of industrial, precision automation and processing drive applications. Long experience in providing highly reliable and cost effective drives for wind, wave, tidal and solar energy.



FLEXIBLE COUPLINGS, SHAFTS AND DRIVES FOR ALL DIESEL ENGINES

INDUSTRIAL COUPLINGS



INDUSTRIAL

Versatile flexible coupling solutions for all types of industrial machines, mechanical handling equipment and on-site applications, for quiet, vibration-free and totally reliable transmissions. Coupling range covers all torque sizes.



ENGINE DRIVES

Centa produces a wide range of engine drives for all types of industrial and marine applications. Suitable for all types of diesel engine, there is a Centa solution to any drive problem.



CENTAFLEX A Series
Nominal torque: 10 – 8,000Nm



CENTAFLEX B Series
Nominal torque: 32 – 1,400Nm



CENTAFLEX C Series
Nominal torque: up to 5,000Nm



CENTAFLEX D Series
Nominal torque: 280 – 40,000 Nm



SMALL BOATS

Eliminate all shaft-transmitted noise and vibration, cushion torsional stress and shockloads with Centa couplings designed to accommodate shaft misalignment and engine movement. Solutions for all types of small boats.



SPECIAL ENGINEERED SOLUTIONS

Versatile and bespoke solutions. Whatever your needs, Centa will work with you to design, build and install the optimum drive solution to solve your particular drive problem in the most practical and cost-effective way.



CENTAFLEX E Series
Nominal torque: 75 – 40,000Nm



CENTAFLEX CO Series
Nominal torque: 300 – 50,000Nm



CENTAFLEX H Series
Nominal torque: 100 – 4,000Nm



CENTAFLEX K & KE Series
Nominal torque: 250 – 5,200Nm



LARGE BOATS

Flexible marine propulsion couplings to overcome all transmission noise and vibration problems for larger boats and sea-going vessels. Carbon fibre drive shafts for large, single shaft spans eliminating intermediate bearing support.

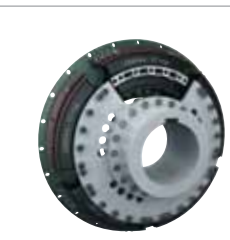


HYDRAULIC PUMP MOUNTING KITS

The complete one-stop drive solutions for all types of diesel-driven plant and equipment, including pump mounting kits, pump drives, flexible couplings and electromagnetic clutches.



CENTAFLEX X Series
Nominal torque: 10 – 1,100Nm



CENTAX TT Series
Nominal torque: 16,600–1,000,000Nm



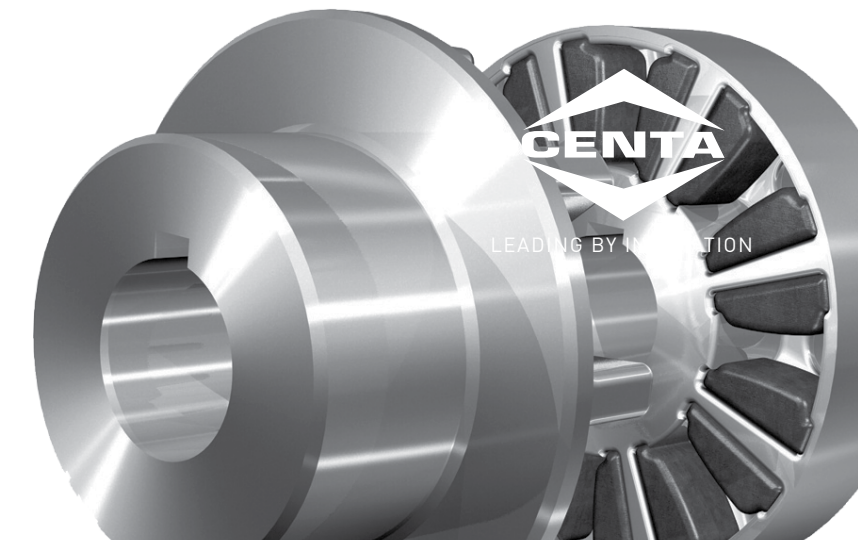
CENTAMAX Series
Nominal torque: 100 – 30,000Nm



CENTAX V Series
Nominal torque: 300 – 50,000Nm

This is just a small selection of our range, for more details please call **01274 531 034** or visit www.centa-uk.co.uk





SMALL BOATS

LARGE BOATS & SHIPS



CENAFLEX M Series
Nominal torque: up to 500Nm



CENAFLEX AM Series
Nominal torque: up to 15,000Nm



CENAFLEX AGM Series
Nominal torque: up to 11,000Nm



CENAFLEX RS Series
Nominal torque: up to 15,000Nm



CENTAX SEC GFS1/2 Series 300
Nominal torque: up to 660,000Nm



CENTAX SEC LFS Series
Nominal torque: up to 85,000Nm



CENTAX TT Series
Nominal torque: up to 1,000,000Nm



CENAFLEX DS Series
Nominal torque: up to 1,750Nm



CENTAX CX-N/NL Series
Nominal torque: 1,200 – 25,000Nm



CENTADISC C Series
Nominal torque: up to 20,000Nm



CENTAMAX Series
Nominal torque: up to 30,000Nm



CENTALINK Lightweight Driveshaft
Nominal torque: up to 540,000Nm



CENTADISC Lightweight Driveshaft
Nominal torque: unlimited



CENAFLEX FH Series
Nominal torque: up to 50,000Nm



CENTAX V Series
Nominal torque: up to 50,000Nm



CENAFLEX RV Series
Nominal torque: up to 6,300Nm



CENTA Lightweight Compact Seal
7 sizes from 260mm to 600mm dia



CENTA Lightweight Carbon Fibre Driveshaft
Nominal torque: unlimited

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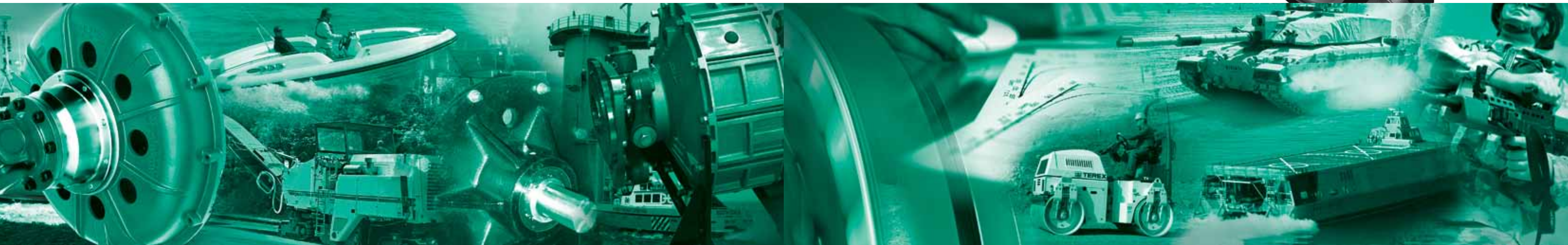


Centa designs and produces a wide range of versatile, bespoke solutions and special engineered products for engine drives. These are just a selection of some of the units and applications available. Please ask for more information about how Centa can meet your specific application requirements.



ENGINE DRIVES

SPECIAL ENGINEERED SOLUTIONS



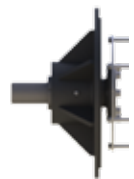
HYDRAULIC PUMP MOUNTING KITS

Complete solutions for all types of diesel-driven plant and equipment.



DIESEL ENGINE POWER TAKE OFFS

Suitable for diesel engines with SAE flywheels/housings to accept side loadings.



FLANGE HOUSINGS FOR UJ SHAFT DRIVES

For standard SAE offsets only; supplied with suitable torsional coupling.



SAE SPACERS

Range of spacers to close couple engines with gearboxes, pumps and other applications.



TEST BEDS

Whatever the engine, there is a Centa test bed solution to your problem. Advanced new system capability makes it possible to design drivelines for engine dynameters by careful selection of the flexible coupling.

- Sophisticated test bed systems with single engine and build variants configured to your specification
- Production testing for all types of engines
- Serial production shafts
- Auto docking capability



CENTAX 20



CENTAX TEST

BELT BOXES

Centa belt boxes are designed in various ratios for use in a variety of drive applications.



ELECTROMAGNETIC CLUTCHES

Bespoke clutch assemblies to solve specific drive problems.



LIGHTWEIGHT COMPACT SEALS

A new range of compact, 2-piece, lightweight bulkhead seals that fit all types of vessels.



MILITARY APPLICATIONS

Flexible coupling and shaft solutions to fit any drive.

- Eliminates misalignment, vibration and noise
- Heavy duty applications

Naval Systems



SMIT Boats featuring **CF-AG**



TRITON Trimaran Research Ship features **CF-A** and **CENTADISC Carbon Fibre Shaft**



MK 10 Landing Craft features **CENTADISC Carbon Fibre Shaft** with **CF-A-400**



X CRAFT for US Navy features **CENTADISC C Carbon Fibre Shaft**

Land Systems



AMSS Atlas 2000 features **CF-K Coupling and Housing**



CHALLENGER II Main Battle Tank features **CF-H Coupling** on APU



TERRIER Combat Tractor features **Quick Release Shaft** and special **Fan Drive Coupling**



VIKING Military Vehicle features **CF-A Coupling**

COUPLINGS AND GEARS USED IN SPECIAL ENGINEERED SOLUTIONS

Many Centa products are integrated for use in bespoke applications, including the following flexible couplings, gears and driveshafts.



CENTAFLEX A Series
Nominal torque: 10 to 12,500Nm



CENTAFLEX KE Series
Nominal torque: 250 to 650Nm



FINE CYCLO
Versatile Hollow Bore Gear



CENTADISC C Series
Nominal torque: up to 20,000Nm



Couplings



Large gears



Small gears



Gearboxes



Automation



Wave and tidal energy



Bespoke design



LEADING BY INNOVATION

Modern, extensive in-house capacity to provide you with:

- Manufactured products
- From stock assembly
- Distribution
- UK wide service and maintenance



Couplings for All Applications

From design to delivery, Centa is your partner in every aspect of your power transmission requirements, for complete driveline systems that are sound, reliable and problem free.

Compensate for Cumulative Misalignment

Couplings designed to handle angular and radial misalignment and axial end-float (either singly or in combination) caused by operational wear or installation requirements. All forms of torsional stress can be minimised by specifying the appropriate Centa coupling.

Worldwide Product Support

A product support service covering all aspects of installation, operation, maintenance and replacement parts is available throughout Europe and in most countries worldwide.

Competitive Pricing

Modern manufacturing methods combined with continuous large volume production ensures that our prices are highly competitive for both 'one-offs' and batch production.

All Operational Demands Met

Centa couplings incorporate flexible elements with varying degrees of torsional stiffness having linear or progressive characteristics. This, together with misalignment capacity, allows most deflection and torsional stress conditions to be accommodated. Designs, using simple machined hubs and flanges, allow special requirements to be catered for. Diesel engine flywheel or power take-off mountings, electric or hydraulic motor and other shaft-to-shaft connections catered for.

Rapid Delivery

Production schedules are organised to give fast order turnaround allied with the ability to 'slot in' urgently needed components to meet critical situations.

Centa Gears

Centa also supplies an extensive range of Gears and Gearboxes for all applications.



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