



PRODUCT
CATALOG

A close-up, high-angle photograph of the word "CENTA" embossed in a dark, metallic material. The letters are raised and have a brushed metal texture. The background is dark and slightly out of focus, showing some circular patterns.

PRODUCT GUIDE

RegalRexnord[™]

PURE POWER

CENTA redefines POWER.

POWER, to us, is more than merely strength.

POWER, to us, is the passion to find the best solution. To continuously improve successful concepts. To set new standards in performance, flexibility and service.

Each product bearing the name CENTA puts POWER into practice in a unique way. Ensuring pure power. Removing troublesome influences. Enabling optimum results.

CENTA Power Transmission.

RELIABLE PERFORMANCE

We work every day to be the leading global provider of high value, mission-critical solutions that help customers safely, reliably, and productively keep their goods and assets moving.

Customer satisfaction is our priority. We are the most reliable partner in the industry, delivering lowest total cost of ownership, providing valuable expertise and making it easier to do business with the right products in the right place at the right time.

Rexnord Power Transmission.

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LEADING BY INNOVATION



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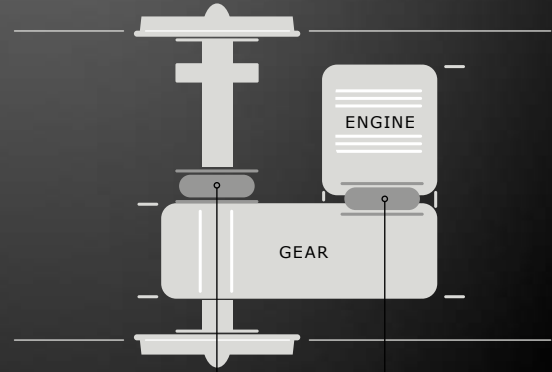
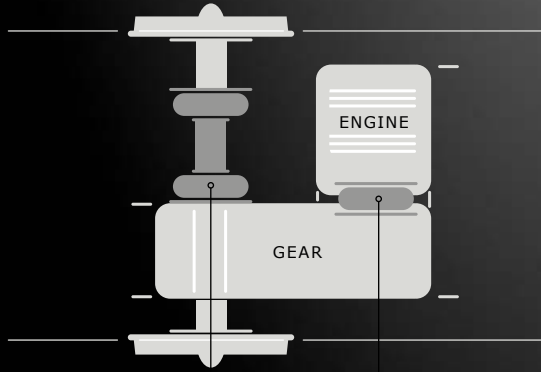
RAIL

07

You create new connections.

We assist you
in keeping your mobility.

RAIL



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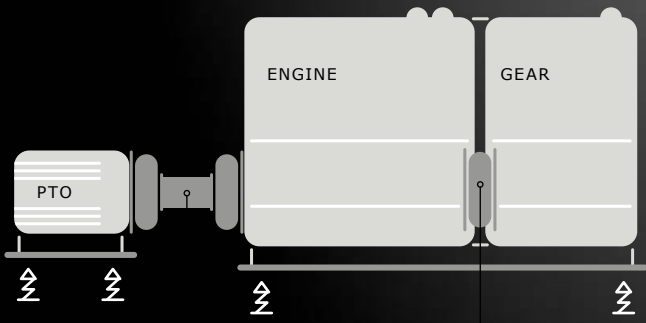
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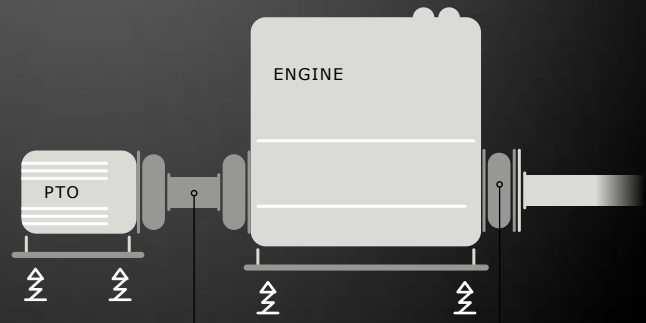
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We will gladly assist -> www.centa.info/contact



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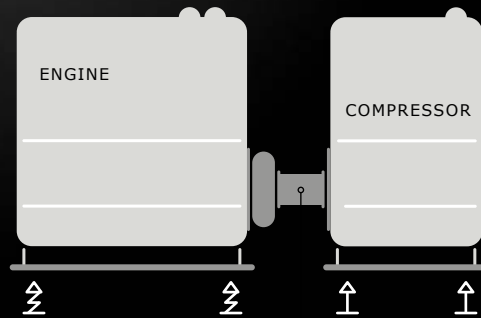
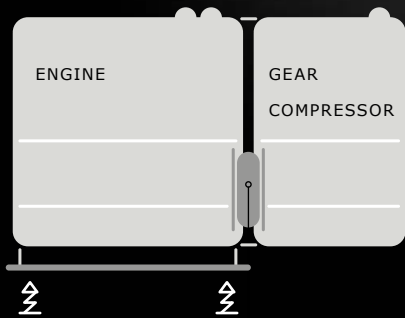
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You pursue ambitious goals.

We effect peak performance
so that you can achieve them.

INDUSTRY



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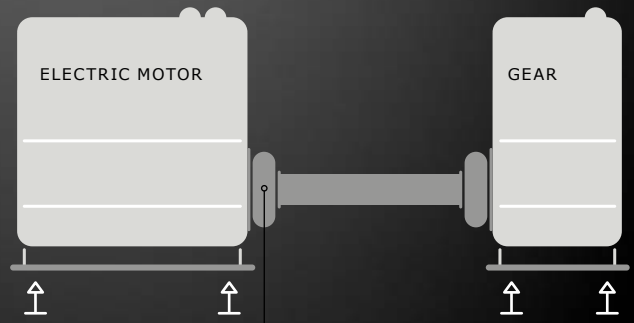
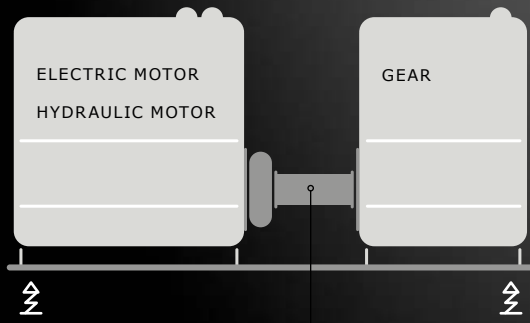
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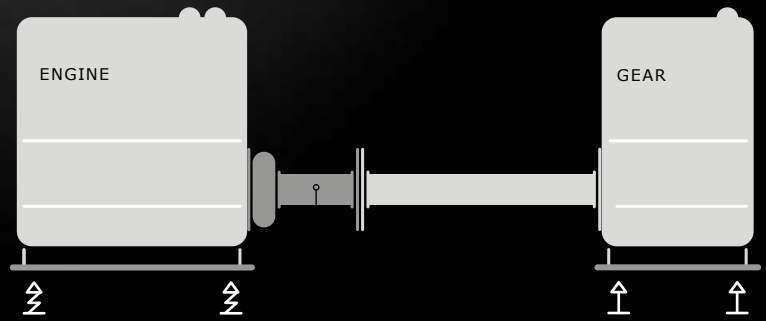
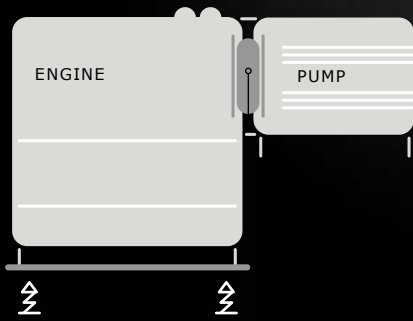
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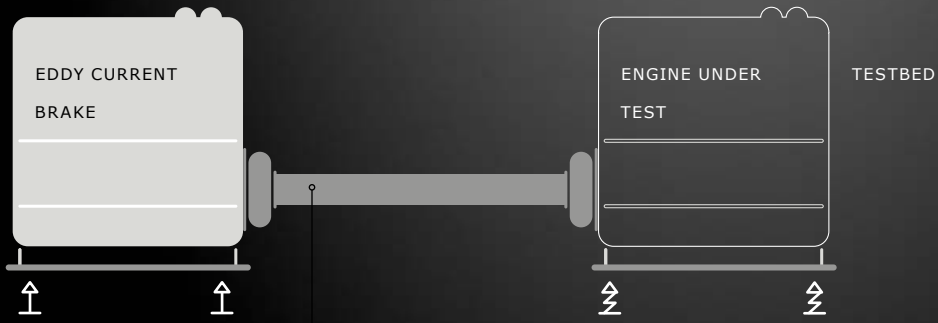
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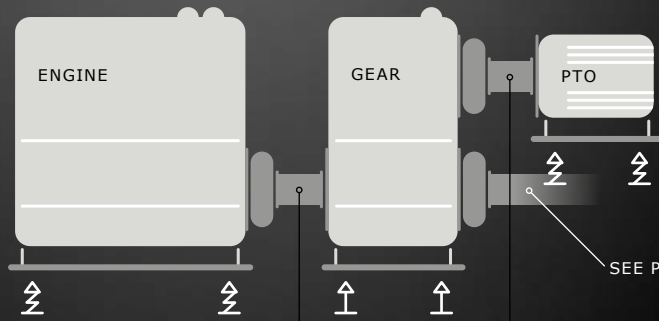
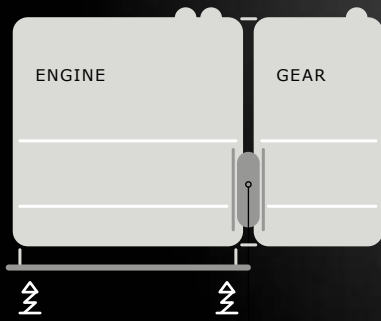
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You determine the course.

We make sure
you reach safe shores.

MARINE



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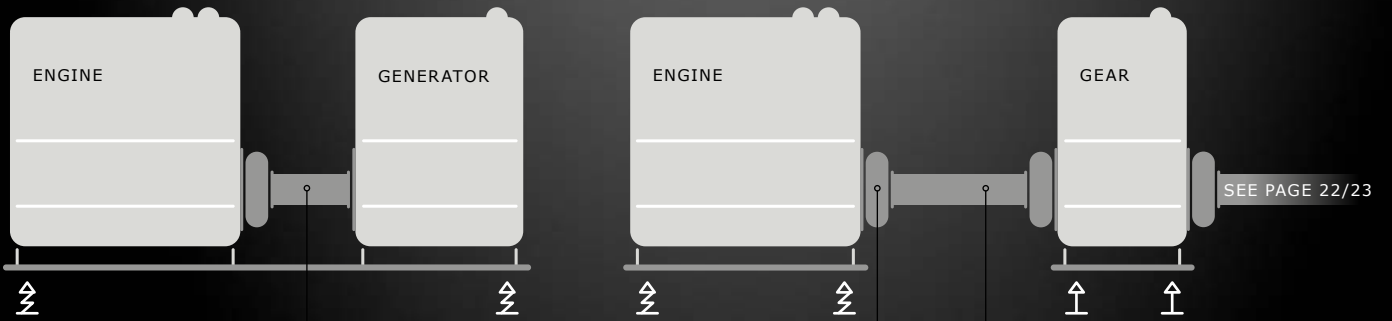
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COUPLING



SHAFT

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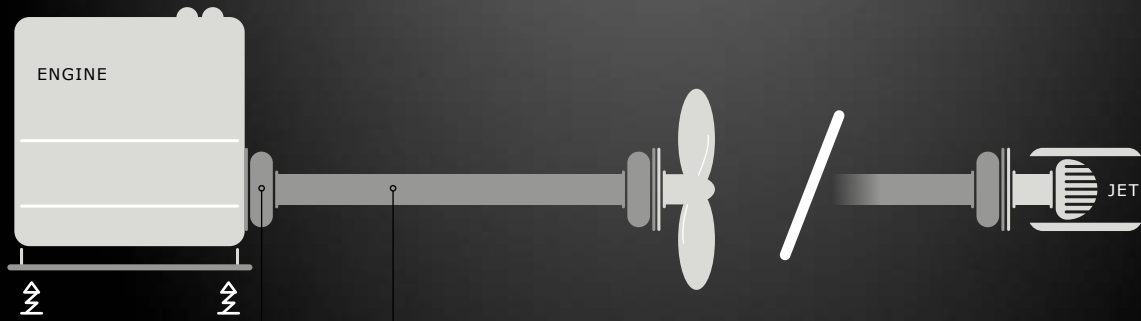
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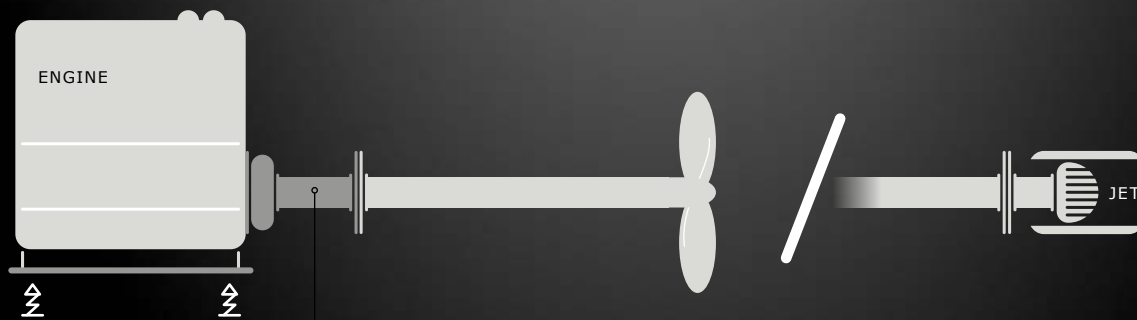
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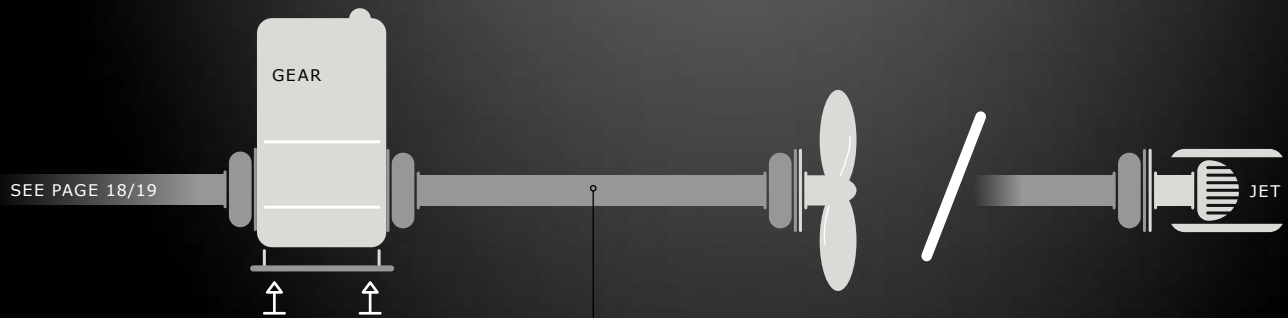
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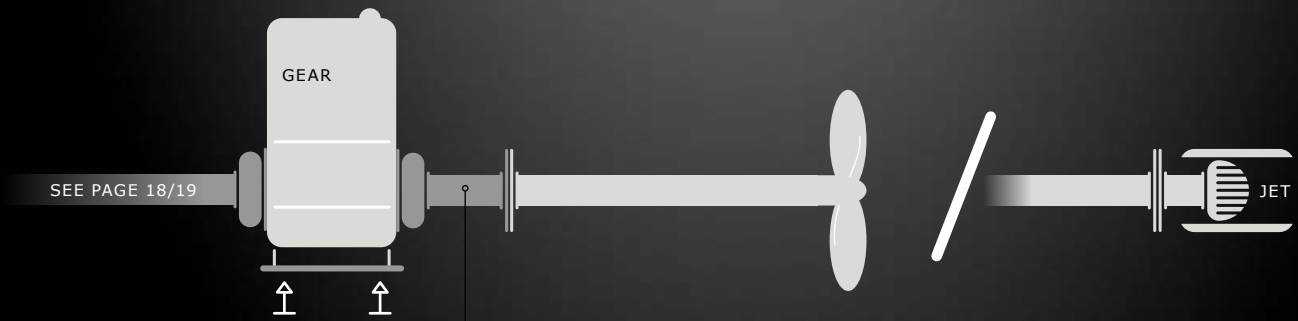
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CENTA POWER TRANSMISSION
LEADING BY INNOVATION



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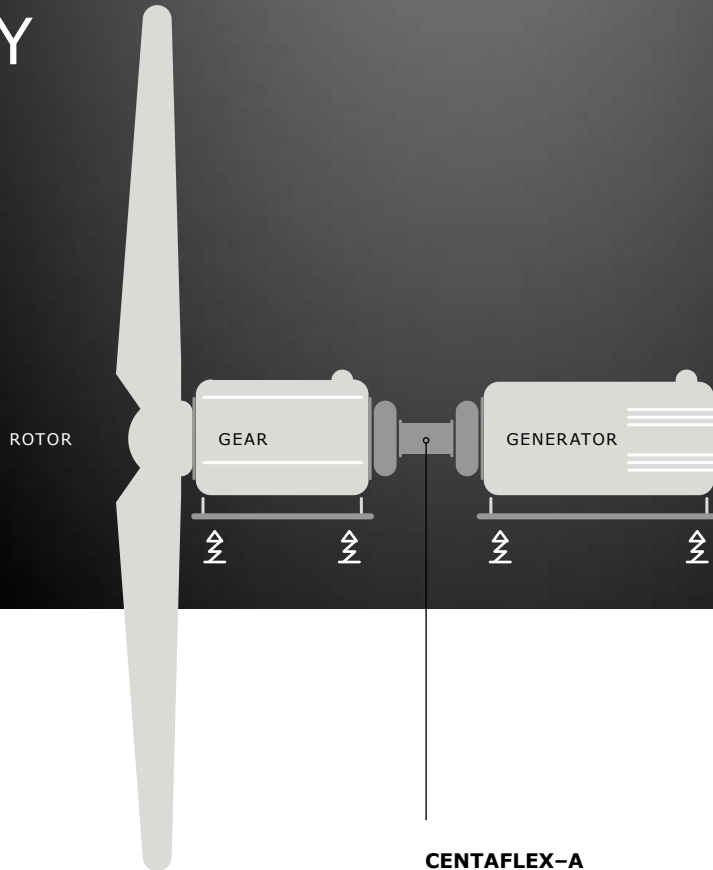
ENERGY

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You invest in the future.

We deliver quality
which pays off in the long run.

ENERGY



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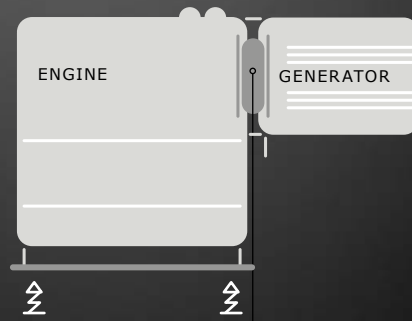
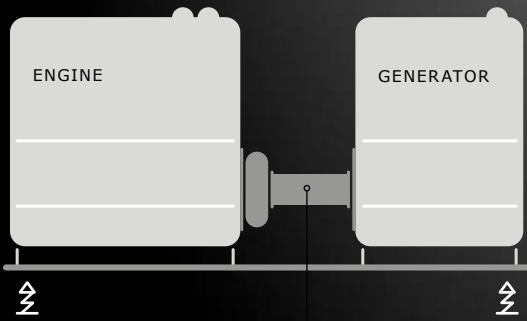
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CENTA POWER TRANSMISSION
LEADING BY INNOVATION

CENTA

A close-up, low-angle shot of a metallic gear or flywheel. The word 'CENTA' is embossed in large, bold, sans-serif capital letters across the top curve of the gear. The lighting is dramatic, highlighting the metallic texture and the three-dimensional quality of the embossed text. The background is dark and out of focus, showing the circular pattern of the gear's teeth.

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CF-A



CF-ACV



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CENTAFLEX-A

Highly flexible coupling for a wide range of applications. For a maximum of design variants.

Based on a highly elastic rubber element subject only to compressive stress. Extremely high-performing design with high torsional elasticity. Dampens torsional vibrations and shocks and compensates considerable axial, radial and angular misalignments. Electrically insulating and thermally resistant in silicon design. For rupture-proof and backlash-free transmission of high torques.

Available as axially blind fitting design with radial mountability. Rubber element available as split element for quick replacement. Easy handling and mountable with minimum effort. In various lengths adaptable to the installation requirements if applied as homokinetic shaft. Also available as carbon-fibre or glass-fibre designs.



torque range	0.01 to 12.5 kNm
elastic material	NR Si
temperature range	NR -45° to +80°C Si -45° to +120°C
more information	www.centa.info/cf-a

CENTAFLEX-ACV

Highly flexible homokinetic drive shaft for the connection of gear and propeller shaft. For applications with considerable angular deflections.

Torque transmission via a double-cardanic drive shaft with a CV joint on one side and a highly flexible rubber element on the other. Propeller thrust transmitted to the boat hull by a self-aligning thrust bearing. Specially designed to reduce noise and vibrations. Dampens torsional vibrations and shocks, interrupts structure-borne noise and tolerates (homokinetic) angular deflections of up to 8 resp. 3 degrees. Additionally offers a high degree of electrical insulation.

Mounted with minimum effort by means of a clamping hub. Delivered with fail-safe device and to a large extent ready to install.

torque range	0.16 to 11 kNm
elastic material	NR
temperature range	-45° to +80°C
more information	www.centa.info/cf-acv

CF-AGM

CF-AM



CENTAFLEX-AGM

Highly flexible homokinetic drive shaft for the connection of gear and propeller shaft. For applications with moderate angular deflections.

Backlash-free torque transmission via a double-cardanic drive shaft with two highly flexible rubber elements. Propeller thrust transmitted to the boat hull by a self-aligning thrust bearing. Specially designed to reduce noise and vibrations. Dampens torsional vibrations and shocks, interrupts structure-borne noise and tolerates (homokinetic) angular deflections of up to 3 degrees. Additionally offers a high degree of electrical insulation.

Mounted with minimum effort by means of a clamping hub. Delivered with fail-safe device and to a large extent ready to install.

torque range	0.16 to 11 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cf-agm

CENTAFLEX-AM

Highly flexible coupling for connecting gear and propeller shaft to isolate noise and vibration from the boat hull.

Backlash-free transmission of torque and propeller thrust via a highly flexible rubber element with thrust bearing. Specially designed to reduce noise and vibrations. Dampens torsional vibrations and shocks, interrupts structure-borne noise and compensates moderate axial, radial and angular misalignments. Additionally offers a high degree of electrical insulation. Available in a wide range of standard sizes covering engine power up to several hundred KW.

Mounted with minimum effort by means of a clamping hub. Delivered with fail-safe device and ready to install.

torque range	commercial	0.12 to 8 kNm
	pleasure	0.175 to 10 kNm
elastic material	NR	
temperature range	-45° to +80°C	

more information www.centa.info/cf-am

CF-B



CF-CO



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CENTAFLEX-B

Flexible shaft coupling in economical design. For maximum application flexibility.

Extremely robust and fail-safe jaw-type design with elastomer element subjected only to compressive stress. Characterised by intermediate torsional stiffness with progressive characteristic. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Many design variants and economical design. Oil-resistant and also available in thermally resistant design.

As drive shaft available in any length required by the installation requirements. Delivered preassembled. Axial or radial mounting with minimum effort. CENTALOC clamping or taper lock bushes optionally available to prevent wear and frictional corrosion on not backlash-free hub to shaft connections.

torque range	0.032 to 1.4 kNm
elastic material	PU TPE
temperature range	PU -40° to +80°C TPE -50° to +150°C
more information	www.centa.info/cf-b

CENTAFLEX-CO

Highly flexible coupling with almost linear characteristic. For drives subject to torsional vibration.

Extremely robust and fail-safe construction with rubber rollers subjected only to compressive stress. Characterised by almost constant torsional stiffness throughout the entire torque range. Dampens torsional vibrations and shocks and compensates moderate axial, radial and angular misalignments. With extremely compact dimensions, effectively ventilated and with high allowable energy loss. Suitable for high ambient temperatures. The HD design includes oil-resistance.

Blind assembly and free adjustability. Minimum maintenance effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.08 to 0.5 kNm
elastic material	NR Si
temperature range	NR -45° to +80°C Si -45° to +120°C
more information	www.centa.info/cf-co

CF-D



CF-DS



CENTAFLEX-D

Flexible flange coupling with progressive characteristic. For use in heavy duty applications.

Extremely robust and fail-safe jaw-type construction with elastomeric buffers subjected only to compressive stress. Features medium torsional stiffness with progressive characteristic. Developed for a resonance-free operation of diesel-driven powertrains, particularly generators. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Reliable and rupture-proof, in an especially short and economical design.

Blind assembly for minimum mounting effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.28 to 40 kNm
elastic material	NBR
temperature range	-25° to +80°C

more information www.centa.info/cf-d

CENTAFLEX-DS

Dual stage coupling with progressive characteristic. For smooth operation and reliable load transmission.

Combines good damping characteristics of a torsionally flexible roller coupling under partial load with the robustness of a claw-type coupling under full load. Extremely short and economic design for smooth operation at low idling speeds resp. for applications with high degree of idling. Effectively ventilated and with high allowable power loss.

Blind assembly for minimum mounting effort. Delivered with fail-safe device and flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.15 to 1.75 kNm
elastic material	NBR
	NR
temperature range	-25° to +80°C

more information www.centa.info/cf-ds

CF-E



CF-H



34

CENTAFLEX-E

Flexible shaft coupling for a wide range of applications. For safe transmission of high torques.

Extremely robust and fail-safe jaw-type construction with elastomeric elements subjected only to compressive stress. Features medium torsional stiffness with progressive characteristic. For resonance-free operation and reliable transmission of high torques at low reaction forces. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Heavy duty performance and compact dimensioning. Oil and temperature-resistant, rupture-proof and available in numerous standard and special designs.

Available as homokinetic drive shaft in any length required by the installation. Axial blind assembly for minimum mounting effort.

torque range	0.075 to 40 kNm
elastic material	NBR
temperature range	-25° to +80°C

more information www.centa.info/cf-e

CENTAFLEX-H

Torsionally stiff coupling with heavy duty performance. For resonance-free operation of diesel-hydraulic drives.

Based on a flexible element of heavy duty elastomer with built-in aluminium or steel bushes. Especially powerful and compactly dimensioned design with high torsional stiffness. Dampens torsional vibrations and shocks and compensates high axial as well as moderate radial and angular misalignments. At the same time very durable and economical. Oil-resistant and suitable for extremely high temperatures.

Blind assembly for minimum mounting effort. Available with CENTALOC clamping hub (page 32 · CF-B). With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.1 to 4 kNm
elastic material	TPE
temperature range	-50° to +150°C

more information www.centa.info/cf-h

CF-K



CF-KE



CENTAFLEX-K

Compactly dimensioned coupling with high torsional stiffness. For resonance-free operation.

Material combination of steel and highly shock-resistant glass-fibre reinforced plastic. Highly robust and short design with high torsional stiffness for fail-safe transmission of small to medium operation ranges. Enables optimum design adaptation to existing space requirements. Extremely durable and economical. Oil-resistant and suitable for high ambient temperatures.

Blind assembly for minimum mounting effort. Delivered with preassembled hubstar and flywheel connections acc. to SAE. Also available with CENTALOC clamping hub (page 32 · CF-B) and for non-standard flywheels.

torque range	0.4 to 5.2 kNm
elastic material	GFK
temperature range	-40° to +150°C

more information www.centa.info/cf-k

CENTAFLEX-KE

Compactly dimensioned one piece design coupling with high torsional stiffness. For applications with radial misalignment.

Flexible element made of high-quality glass-fibre reinforced plastic with elastic rubber-coated bushes on the outer diameter. Highly robust and short design with high torsional stiffness protecting shafts and bearings from mechanical loads. Tolerates moderate misalignments in radial direction. At the same time very durable and economical. Additionally oil-resistant and suitable for high ambient temperatures.

Blind assembly for minimum mounting effort. Delivered ready to assemble and with flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.2 to 0.6 kNm
elastic material	GFK
temperature range	-40° to +150°C

more information www.centa.info/cf-ke

CF-M

CF-R



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CENTAFLEX-M

Highly flexible coupling for the connection of gear and propeller shaft. For applications with limited mounting space.

Backlash-free transmission of torque and propeller thrust via highly flexible rubber element. Specially designed to reduce noise and vibrations under confined space requirements. Dampens torsional vibrations and shocks, interrupts structure-borne noise and compensates axial, radial and angular misalignments. Additionally offers a high degree of electrical insulation.

Mounted with minimum effort by means of a clamping hub. Delivered with fail-safe device and ready to install. Further handling, maintenance and cost benefits by omitting additional components, such as spacers.

torque range	commercial	0.175 to 0.35 kNm
	pleasure	0.25 to 0.5 kNm
elastic material	NR	
temperature range	-45° to +80°C	
more information	www.centa.info/cf-m	

CENTAFLEX-R

Highly flexible coupling with progressive characteristic. For heavy duty applications.

Extremely robust and fail-safe design with rubber rollers subjected only to compressive stress. Characterised by a slight stiffness at lower speeds and a moderately increased stiffness at rising torques. For smooth operation and reliable transmission over the entire operation range. Also effectively ventilated and with high allowable energy loss. Suitable for high ambient temperatures. HD design includes oil-resistance and even higher temperature resistance.

Delivered with fail-safe device and for a variety of shaft connections. With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.25 to 15 kNm	
elastic material	CENTALAN	
	HD	
temperature range	CENTALAN	-45° to +100°C
	HD	-45° to +130°C
more information	www.centa.info/cf-r	

CF-RV



CF-T



CENTAFLEX-RV

Highly flexible intermediate coupling with progressive characteristic. For drive concepts with many drive shaft variants.

Combination of highly flexible roller coupling and built-in bearing support. Characterised by slight stiffness at lower speeds and moderately increased stiffness at rising torques. Dampens torsional vibrations and noise. Ensures smooth operation and long lifespan of the coupled units. HD design includes oil-resistance and even higher temperature resistance.

Minimum mounting and maintenance effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels. CENTA FH flange bearing (page 42) is recommended for larger deflection angles of connected cardan shafts.

torque range	1.6 to 10 kNm
elastic material	CENTALAN HD
temperature range	CENTALAN -45° to +100°C HD -45° to +130°C
more information	www.centa.info/cf-rv

CENTAFLEX-T

Torsionally stiff wedge type coupling with optimised geometry. For high torques in confined spaces.

Based on a bridge bearing principle allowing a high power density and good misalignment properties. Torsionally stiff design, however, highly flexible in axial and angular directions ensuring reliable compensation of misalignments. Proves superior when compared to standard wedge type solutions by an extremely compact design and high performance density achieved by optimising its geometry and omitting the hubstar.

Also available as homokinetic drive shaft. Further handling, maintenance and cost benefits through a reduced number of wedged elements. Easy and safe integration into the drive train.

torque range	1.2 to 24 kNm
elastic material	NR
temperature range	-45° to +80°C
more information	www.centa.info/cf-t

CM-G



CM-HTC



CENTAMAX-G

Robust coupling with high torsional flexibility. For quick and easy mounting in drives subject to torsional vibration particularly on gensets.

Transmission of torque via toothed outer ring onto a rubber element. Additionally equipped with a taper locking bush for quick and easy installation. Highly dependable and fail-safe design. Characterised by high torsional flexibility with linear characteristic. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss.

Blind assembly for minimum mounting effort. With flywheel connections acc. to SAE. Also available for engine and generator connections acc. to din 6281.



torque range	1.2 to 7 kNm	
elastic material	NR / SI / CENTALAN HT	
temperature range	NR	-45° to +80°C
	Si	-45° to +120°C
	CENTALAN HT	-25° to +100°C short term +120°C
more information	www.centa.info/cm-g	

CENTAMAX-HTC

Robust coupling with high torsional flexibility. For resonance-free operation of drives susceptible to torsional vibration.

Torque transmission via a toothed outer ring onto a rubber element. Highly reliable and rupture-proof design for the transmission of high torques in a compact design.

Characterised by high torsional flexibility with linear characteristic. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss.

Blind assembly for minimum axial mounting effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	5.4 to 45 kNm	
elastic material	NR	
	CENTALAN HT	
temperature range	NR	-45° to +80°C
	CENTALAN HT	-42° to +100°C short term +120°C
more information	www.centa.info/cm-htc	

CM-S



CD-C



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CENTAMAX-S

Robust coupling with high torsional flexibility. For resonance-free operation of drives susceptible to torsional vibration.

Torque transmission via a toothed outer ring onto a rubber element. Highly reliable and rupture-proof design for the transmission of high torques in a compact design.

Characterised by high torsional flexibility with linear characteristic. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss. In silicon design, additionally oil resistant and suitable for higher temperatures.

Blind assembly for minimum axial mounting effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels.



torque range	0.1 to 24 kNm
elastic material	NR / SI / CENTALAN HT
temperature range	NR -45° to +80°C
	Si -45° to +120°C
	CENTALAN HT -25° to +100°C short term +120°C
more information	www.centa.info/cm-s

CENTADISC-C

Light-weight drive shaft in two different plastic materials for a light-weight design.

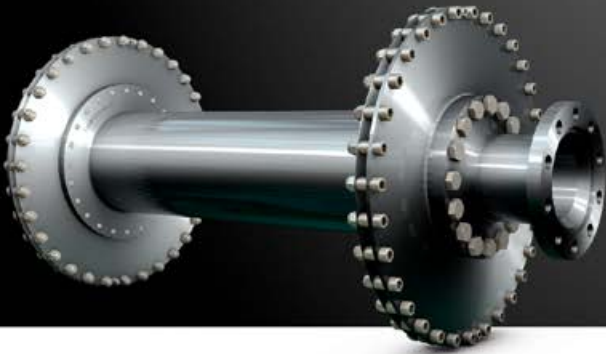
Double-cardanic system with two tandem membranes in series, made of heavy duty plastics for increased angular flexibility or with glass-fibre reinforced plastic for higher torque transmission. Torsionally stiff design, yet compensating considerable axial and angular misalignments. Ideal for long spans due to low weight and high strength as so eliminating the need for additional intermediate bearings. Extremely durable, also corrosion- and oil-resistant. Suitable for high ambient temperatures.

Available in any length with up to 10 metres per section. Radially mountable and with minimum maintenance effort. Further handling, maintenance and cost benefits by the omission of additional components, such as bearings and foundations.

torque range	1 to 40 kNm
elastic material	PA
	GFK
temperature range	-40° to +150°C
more information	www.centa.info/cd-c

CD-M

CP



CENTADISC-M

High-performing drive shaft with tandem membrane. For light-weight design.

Double-cardanic system with two tandem membranes in series and an intermediate tube made of steel or carbon-fibre reinforced plastic. Torsionally stiff design, yet capable of compensating considerable axial misalignments. Ideal for long spans due to low weight and high strength as so eliminating the need for additional intermediate bearings. Extremely durable, also oil-resistant and suitable for high ambient temperatures.

Available in any length with up to 10 metres per section. Radially mountable and with minimum maintenance effort. Further handling, maintenance and cost benefits by the omission of additional components, such as bearings and foundations.

torque range	12.5 to 650 kNm
elastic material	dependent upon the coupling installed
temperature range	dependent upon the coupling installed
more information	www.centa.info/cd-m

CENTA CLUTCH PACK

Versatile clutch coupling with flange bearing. For short engaging operations and effective protection against mechanical loads.

Combination of a torsional coupling with an electromagnetic clutch coupling, installed inside a flanged bearing housing. Highly robust design with reliable bearing. Allows starting and stopping the driven unit under load and protects connected shafts and bearings against harmful reaction forces. Effectively ventilated with high allowable energy loss. Short total length, extremely economic design when compared to standard hydraulically operated couplings.

Can be operated with on-board voltage. Delivered preassembled. With flywheel connections acc. to SAE.

torque range	0.7 to 4.2 kNm
elastic material	dependent upon the coupling installed
temperature range	dependent upon the coupling installed
more information	www.centa.info/cp

CARBON



FH



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CENTA CARBON

Light-weight drive shaft made of carbon-fibre reinforced plastic. For energy-efficient power transmission while simultaneously permitting increased velocities of the driven machines.

Developed in cooperation with the Technical University of Darmstadt and leading classification societies. Strength and stability comparable to steel, but significant savings in weight. Combinable with a variety of flexible couplings and connecting elements for optimum adaption of the torsional situation. Extremely durable and noise damping. With low thermal expansion, fatigue-free and corrosion-proof.

Available in any length with up to 10 metres per section. Further handling, maintenance and cost benefits by the omission of additional components, such as bearings and foundations.

torque range	0.1 to 650 kNm
elastic material	CFK
temperature range	-40° to +90°C
more information	www.centa.info/carbon

CENTA FH

Flange bearing to protect engine crankshafts from high bending moments. For compensation of high forces resulting from large deflection angles of connected components.

Robust flanged bearing housing made of tempered aluminium. Extremely easy maintainable design on durable bearing. Takes up reaction forces and transmits them to the flywheel housing for the protection of the crankshaft and its bearing. Also available with speed-controlled centrifugal clutch for soft engagement of connected components. Extremely light-weight and compact design. Effectively ventilated.

Minimum mounting and maintenance effort. Pre-assembled as unit for flywheel connections acc. SAE.

torque range	0.77 to 24 kNm
elastic material	dependent upon the coupling installed
temperature range	dependent upon the coupling installed
more information	www.centa.info/fh

CL

CS-V



CENTALINK

Torsionally stiff drive shaft with outstanding kinematics. For reliable misalignment compensation and smooth operation.

Equipped with links designed for push and pull, and bolted together with flexible rubber bushes. Extremely high-performing and torsionally stiff design with linear characteristic. Unique design with ability to compensate axial, radial and angular misalignments. In addition, offers the utmost degree of electrical insulation and reliable interruption of structure-borne noise. Protects the system against electrical corrosion and ensures significant reduction in noise transmission.

Reduces installation time to a minimum and keeps lifecycle costs low. Available in optional intermediate and special sizes within the wide standard series. Also available as carbon-fibre or glass-fibre design.

torque range	3.3 to 150 kNm
temperature range	-45° to +80°C

more information www.centa.info/cl

CENTASTART-V

Speed-controlled centrifugal clutch with high flexibility. For zero-loss power transmission.

Combination of a highly flexible rubber element, subjected only to compressive stress, and several centrifugal weights with friction lining connected by tension springs. Thermally resistant design with precisely determinable engaging speed. Allows complete separation of frictional connection as well as soft engaging and slip-free power transmission when reaching engagement speed. Extremely compact dimensions, additionally protects against overload.

Available in numerous standard and special designs. With flywheel connections acc. to SAE. Also available for non-standard flywheels.

torque range	0.08 to 2.5 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cs-v

CX-B



CX-K



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CENTAX-SEC-B

Robust coupling in economic design. For drives with high axial misalignments.

Ring element featuring high torsional flexibility and radial capacity, combined with axial pins and bushes. Very reliable design, easy to install. With medium to high torsional flexibility. Available in various Shore hardness, ensuring optimum tuning of the torsional system. Dampens torsional vibrations and shocks and compensates considerable axial and radial misalignments. Effectively ventilated and with high allowable energy loss. Also available as segmented design.

Mounted axially or radially with minimum effort. Extreme easy maintainable and durable.

CENTAX-K

Torsionally high flexible coupling with compact dimensions. For maximum mounting ease.

Ring element featuring high torsional and radial flexibility, combined with elements of coupling type CENTAFLEX-K (page 35) which features axial and angular flexibility. Design with highly compact dimensions and mounting ease. Optimum adaption to the individual torsional requirements by use of various degrees of Shore hardness. Dampens torsional vibrations and shocks and compensates considerable axial and radial misalignments. Also flexible in angular direction. Available in numerous standard and special designs.

Blind assembly for minimum mounting effort. With flywheel connections acc. to SAE. Also available for non-standard flywheels and with CENTALOC clamping hub (page 32 · CF-B).



torque range	5.5 to 260 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-b

torque range	1.1 to 6 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-k

CX-NL



CX-G



CENTAX-SEC-NL

Torsionally high flexible coupling with linear characteristic. For applications in soft mounted drive concepts.

Ring element featuring high torsional and radial flexibility, combined with flexibility in axial and angular directions. Designed with amply dimensioned secondary inertia. With high torsional flexibility and extreme variable adaption to the individual torsional requirements by use of various degrees of Shore hardness. Dampens torsional vibrations and shocks and compensates considerable axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss.

Minimum mounting effort. Fail-safe device optionally available. With flywheel connections acc. to SAE.

torque range	1.1 to 25 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-nl

CENTAX-SEC-G

Highly elastic membrane coupling with high misalignment capability. For use in flexible-mounted drive concepts.

Rubber element featuring high torsional and radial flexibility, combined with a membrane flexible in axial and angular directions. With high torsional flexibility and especially ideal system adaption by selection of one row or multi-row arrangement and different degrees of Shore hardness. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss.

Available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in numerous variants.



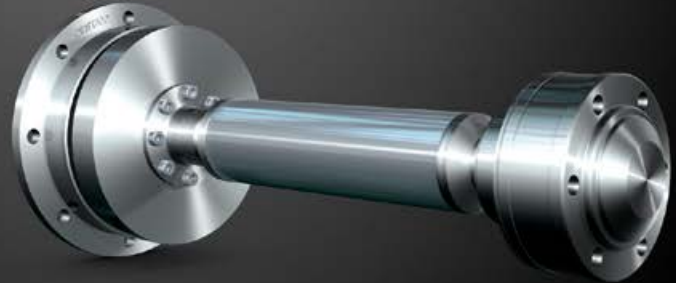
torque range	2.25 to 650 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-g

CX-L



CX-TEST



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CENTAX-SEC-L

Highly elastic link coupling with excellent misalignment capability. For use in soft-mounted drives.

Rubber element featuring high torsional and radial flexibility, combined with links flexible in axial and angular directions. With high torsional flexibility and especially ideal system adaption by selection of one row or multi-row arrangement and between different degrees of Shore hardness. Dampens torsional vibrations and shocks and compensates considerable axial, radial and angular misalignments. Additionally provides reliable acoustic decoupling. Effectively ventilated and with high allowable energy loss.

Available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in numerous variants.



torque range	2.25 to 330 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-l

CENTAX-TEST

Highly flexible test bed coupling for high speeds. For optimum test conditions.

Based on a highly flexible rubber element, combinable with homokinetic joints, cardan joints, slip joints, etc., as demanded by test requirements. Extremely adaptable design with high torsional flexibility. Dampens torsional vibrations and shocks and compensates axial, radial and angular misalignments. Suitable for high speed ranges and long-term tests.

Available in any length and mounting dimensions adaptable to the respective test situation. Easy mounting as slip joints and elements can be shifted in axial direction. Customised solutions for automatic docking onto combustion engines are optionally available.

torque range	0.28 to 0.45 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-test

CX-TT



CENTAX-TT

Compact coupling with high performance density. For heavy duty applications with high speeds.

Design with segmented rubber elements, each consisting of two concentrically arranged precompressed rubber segments, which jointly transmit the torque. Extremely short and high-performing design. Characterised by medium torsional stiffness, especially variable adaption to the torsional system by adjusting the number and the arrangement of the segments. Dampens torsional vibrations and shocks and compensates axial and radial misalignments. Effectively ventilated and with high admissible energy loss.

Mounted with minimum effort, replaceable without movement of the coupled units.

torque range	17.6 to 500 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-tt

CX-V



CENTAX-V

Torsionally highly flexible intermediate coupling with linear characteristic. For drive concepts with cardan shafts.

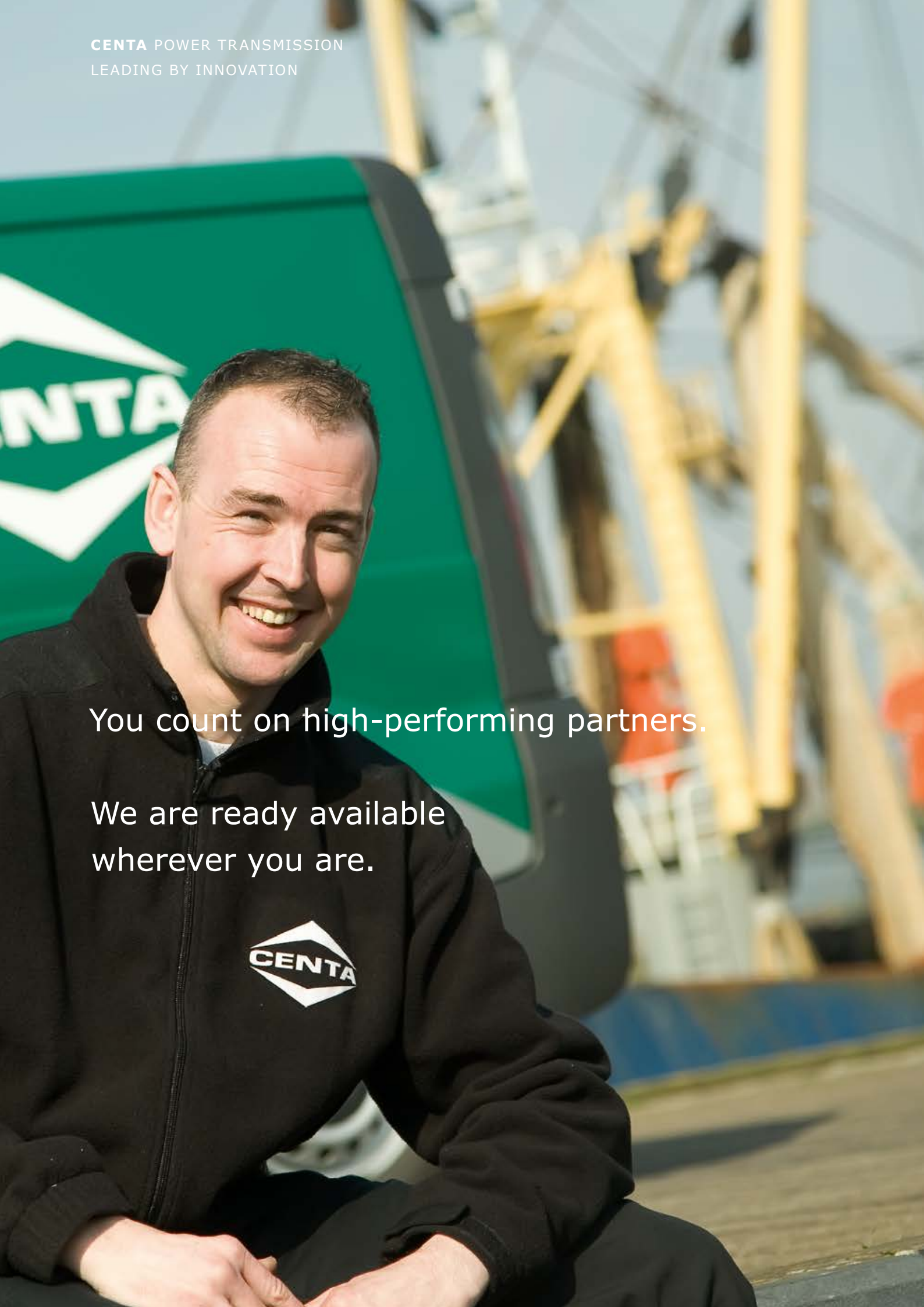
Safe transmission of torque via a highly flexible pre-compressed rubber element with precisely centred plain bearings. Characterised by high torsional flexibility with linear characteristic. Dampens torsional vibrations and noise, ensures smooth operation and long service life of the connected units. Also effectively ventilated and with high allowable energy loss.

Available with flywheel connections acc. to SAE and various cardan connections. Also available for non-standard flywheels. Flange bearing CENTA FH recommended for larger deflection angles (page 42).

torque range	0.23 to 50 kNm
elastic material	NR
temperature range	-45° to +80°C

more information www.centa.info/cx-v

CENTA POWER TRANSMISSION
LEADING BY INNOVATION



You count on high-performing partners.

We are ready available
wherever you are.

WORLDWIDE

SERVICE

NETWORK

Ten subsidiaries and 27 agencies combine to form a strong sales and service network ensuring expert consulting, local warehouses and quick replacement service all around the world. The 300 employees of the CENTA group have only one goal: to offer you the best service possible.

CONSULTING

Regardless whether you have a first draft or a finished copy, whether you need a standard solution or a completely new design: Your project is central to our consultation. We look forward to supporting you with our creativity and experience in order to find the perfect solution for your application. Let's talk about it.

MODULARITY

For an optimum adaptation to your application situation, our couplings are available in wide standard series. The modular concept of the system allows for any intermediate and special sizes. In addition, we offer quick and efficient realisation of customised solutions as well as the integration of special parts and components from other manufacturers. For a precise result.

SERVICE

Whether during project planning and design, initial assembly and training, during servicing, measuring and maintenance work, or when procuring urgently needed spare parts:

CENTA is at your disposal at any time.

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TEST ENGINEERING

Our designs are subject to extensive torsional vibration analysis, multib-mass and finite element analyses. Several test beds, each of them for different tasks and performance ranges, cover the practical side of our programme. In addition, we are in close contact with external research facilities as well as engineering and planning offices so that nothing is left to chance.

ENVIRONMENTAL MANAGEMENT

We conserve our available resources. To protect the environment, we commit to environmental protection standards according to ISO 14001. All environmental laws and regulations as well as additional recommendations are met and firmly integrated into the company's decision-making and implementation structures. That's how we understand sustainability.

QUALITY MANAGEMENT (IQ)

With an exemplary Quality Management, we ensure that our couplings withstand the roughest assignments. Selected materials combined with regular controls assure the high quality of our products. Our vision is intelligent solutions, which satisfy the highest design and quality demands. Your demands.

WWW.CENTA.INFO

PRODUCT CATALOG



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