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.

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.
You determine the course.

We make sure you reach safe shores.
Which product for your purpose? We will gladly assist –› www.centa.info/contact
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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.

**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.

**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.

**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 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.

**CENTAFLEX–DS**
Dual stage coupling with progressive characteristics. 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.

**www.centa.info/cf–a**
| Torque range | 0.01 to 12.5 kNm |
| Elastic material | NR / Si |
| Temperature range | –45° to + 80°C |

**www.centa.info/cf–acv**
| Torque range | 0.16 to 11 kNm |
| Elastic material | NR |
| Temperature range | –45° to + 80°C |

**www.centa.info/cf–agm**
| Torque range | 0.16 to 11 kNm |
| Elastic material | NR |
| Temperature range | –45° to + 80°C |

**www.centa.info/cf–am**
| Torque range | commercial 0.12 to 8 kNm |
| Elastic material | NR |
| Temperature range | –45° to + 80°C |

**www.centa.info/cf–ds**
| Torque range | 0.15 to 1.75 kNm |
| Elastic material | NR / NBR |
| Temperature range | –25° to + 80°C |
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 high
flexible rubber element. Specially designed to reduce noise and vibrations under con
strained 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.

CENTAFLEX–M

- Torque range: 0.25 to 15 kNm
- Elastic material: CENTALAN / HD
- Temperature range: -45°C to +100°C for HD
- Also available for non-standard flywheels.
- Robust flanged bearing housing made of tempered aluminium. Extremely easy maintainable. Delivered preassembled. With flywheel connections acc. to SAE.
- Available for non-standard flywheels.

CENTAFLEX–R

- Highly flexible coupling with progressive characteristics. For heavy duty applications. Extremely robust and fail-safe design with rubber rollers subjected 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 en
-ine 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 for a variety of shaft connec
tions. 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: -45°C to +100°C for HD
- Also available for non-standard flywheels.

CENTAFLEX–RV

- Highly flexible intermediate coupling with progressive characteristics. For drive concepts with many drive shaft variants. Combination of highly flexible roller coupling and built-in bear
ing 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.
- Torque range: 1.6 to 10 kNm
- Elastic material: CENTALAN / HD
- Temperature range: -45°C to +100°C for HD
- Also available for non-standard flywheels.

CENTAMAX–HTC

- Robust coupling with high torsional flexibility. For resonance-free operation of drives sus
cceptible to torsional vibration. Torque transmission via a toothed outer ring on 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: -45°C to +80°C for CENTALAN HT
- CENTALAN HT – 25°C to +120°C short term +120°C
- CENTALAN HT – 25°C to +120°C short term +120°C

CENTAMAX–S

- Robust coupling with high torsional flexibility. For resonance-free operation of drives sus
cceptible to torsional vibration. Torque transmission via a toothed outer ring on 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, ad
dition to the temperature range ideal 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: -45°C to +80°C for Si
- Si – 45°C to +120°C CENTALAN HT – 25°C to +120°C short term +120°C

CENTADISC–C

- A torsionally stiff weight membrane coupling for the application in vessels, ferries and in wind energy applications where weight and alignment are of importance. Two membranes arranged in series and combined with a fibre reinforced tube function as a kinematic joint with optimum operating characteristics. Stitch and lightweight tubes allow for high speeds thus longer drivshafts are possible in combination with substantially reduced bearings. The combination with further CENTA products, cardanshafts, homokinetic joints or couplings on the other shaft end guarantee for optimal adaption. Positive fit of all components by standardized serration between coupling element and tube or power unit. Easy handling due to modular design and standardization.
- Temperature range: -40° to +150°C
- Also available for non-standard flywheels.
- Also available for non-standard flywheels.

CENTADISC–M

- High-performing drive shaft with tandem membrane. For light-weight design. Double-cardan 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 compen
sating 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.
- Temperature range: -45° to +80°C
- Also available for non-standard flywheels.
- Temperature range: 1.6 to 10 kNm
- Elastic material: Si
- Temperature range: -45° to +100°C
- Also available for non-standard flywheels.
- Temperature range: 0.25 to 15 kNm
- Elastic material: NR
- Temperature range: -45° to +100°C
- Also available for non-standard flywheels.
- Temperature range: 0.1 to 24 kNm
- Elastic material: CFK
- Temperature range: -40° to +90°C
- Also available for non-standard flywheels.
- Temperature range: 12.5 to 650 kNm
- Elastic material: PA / GFK
- Temperature range: -40° to +150°C
- Also available for non-standard flywheels.
- Temperature range: 0.175 to 0.35 kNm
- Elastic material: NR
- Temperature range: -45° to +80°C
- Also available for non-standard flywheels.
- Temperature range: 5 to 50 kNm
- Elastic material: PA / GFK
- Temperature range: -40° to +150°C
- Also available for non-standard flywheels.
**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.

**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.

**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–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. For drives with cardan shafts. Safe transmission of torque via a highly flexible precompressed rubber element with precisely centred plain bearings. Characterized by high torsional flexibility with linear characteristics. 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 PH recommended for larger deflection angles.

**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 considerable 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.

**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. Effectively ventilated and with high allowable energy loss. Also available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in various variants.

**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. Extremly short and high-performing design. Characterized 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.

**COMPACT LINK**

Available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in numerous variants. Suitable for various cardan connections. Also available for non-standard flywheels. Flange bearing CENTA PH recommended for larger deflection angles.

**CONFECTION**

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 considerable axial, radial and angular misalignments. Effectively ventilated and with high allowable energy loss. Also available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in numerous variants.

**COMPACT LINK**

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. Extremly short and high-performing design. Characterized 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.

**COMPACT LINK**

Available with ring element or with segmented rubber element. Fail-safe device optionally available. Flanges and hubs available in numerous variants. Suitable for various cardan connections. Also available for non-standard flywheels. Flange bearing CENTA PH recommended for larger deflection angles.
You count on high-performing partners.

We are ready available wherever you are.
CENTA Power Transmission is now part of Rexnord. As a global leader in premium couplings, Rexnord provides the same high quality customer solutions and service you've come to expect from CENTA since 1970.