

KBK Antriebstechnik GmbH

We couple the drive



KBK History



2003	Company foundation - Trennfurt
2011	Relocation and expansion at the new site in Röllfeld
2013	Generational change. Sven Karpstein takes over management from Robert Karpstein
2017	Expansion through the construction of a warehouse
2017	Acquisition of 50% of company shares by Sven Karpstein from Robert Karpstein
2019	Development and integration of a new product line Magnetic Couplings
2020	Site expansion with a modern office loft
2020	Acquisition of business operations of Merz Antriebstechnik GmbH - Measuring Gearboxes
2021	Launch of a new product line Slit Couplings
2023	Rental of additional storage space to increase capacity
2024	Market launch of a new product segment Oldham Couplings
2025	Acquisition of the remaining company shares by Sven Karpstein - Sole owner (100%)

KBK – Facts



Number of Employees: 60 (Office: 20)

Office Space: 140 m²

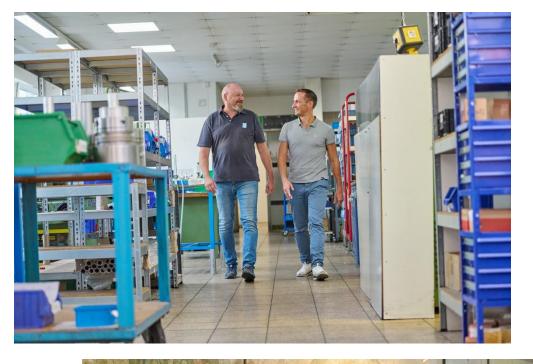
Production space: 600 m²

Storage space: 1200 m²

7 CNC-Machines

8 conventional lathes





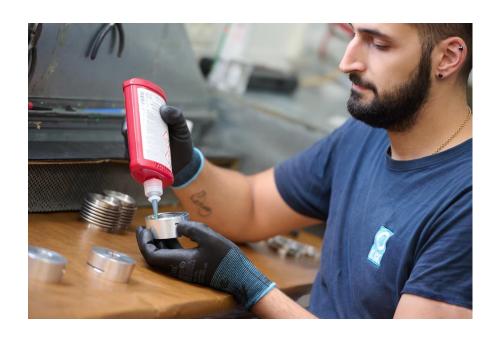












Successful since 2003

Our products are built on decades of experience in developing and producing of shaft hub connections and backlash free couplings – complemented by expert advice, reliable service, and extensive technical know how. The well thought out modular system forms the basis for high quality, interchangeable products at attractive prices. It enables us to produce almost all elastomer, metal bellows, safety couplings, and line shafts, as well as locking devices from our standard range within two hours, customize them with specific bores, and dispatch them to you immediately via direct courier. Our strategically favorable location on the edge of the Rhine Main region also ensures smooth and speedy delivery - both nationally and internationally.

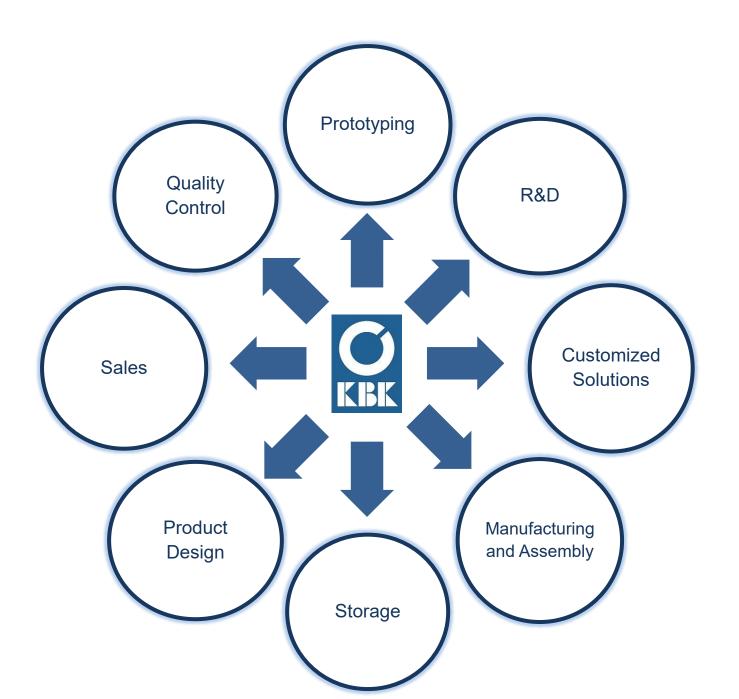


Worldwide Representation











QUALITY YOU CAN RELY ON

















100% Quality Control

During production and assembly, all couplings are tested multiple times. The results are documented.

All You Need – Always There

KBK Antriebstechnik GmbH

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Code of Conduct und CSR-Erklärung der KBK Antriebstechnik GmbH

1. Ethik und Integrität

Wir verpflichten uns, in allen Geschäftsaktivitäten höchsten ethischen Standards zu folgen. Von jedem Mitarbeiter der KBK Antriebstechnik GmbH wird erwartet:

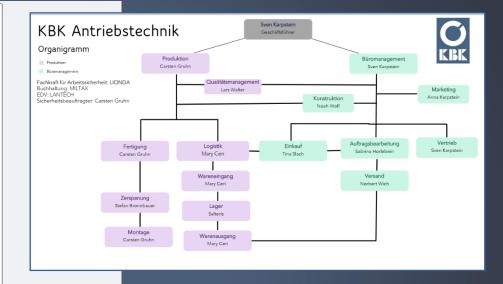
- Ehrlich und integer zu handeln.
- . Korruption, Bestechung oder unlauteres Verhalten in jeglicher Form zu vermeiden.
- Vertrauliche Informationen unseres Unternehmens und unserer Kunden zu schützen und nicht ohne Genehmigung weiterzugeben.

2. Arbeitsplatz und Mitarbeiter

Wir schätzen unsere Mitarbeiter und verpflichten uns, eine positive und inklusive Arbeitsumgebung zu schaffen:

- Gleiche Chancen und Fairness für alle Mitarbeiter zu gewährleisten, unabhängig von Geschlecht, Rasse, Religion, sexueller Orientierung oder Herkunft.
- Diskriminierung, Mobbing oder Belästigung am Arbeitsplatz in keiner Weise zu tolerieren

GF	Bereich	Abteilung	Prozesse			Qs
strategische Planung		Verkauf	Akquise	Betreuung	Angebotserstellung	
personelle Planung	Verwaltung	Auftragsbearbeitung	Erfassen von Kundenbestellungen			
		Einkauf	Beschaffung Serienteile	Beschaffung Sonderteile	Lieferanten- entwicklung	
		Konstruktion	Erstellung von Produktdaten	Erstellung von Fertigungszeichnunge n		Überwachung in Prozesse
KVP		Marketing	Erstellung von Verkaufsunterlagen			
Interessierte Parteien	Fertigung	Arbeitsvorbereitung	Prüfung von Beständen	Anforderung Serienteile	Anforderung Fertigungsaufträge	
		Produktion	Herstellung / Bearbeitung von Komponenten	Montage		
	Lager	Wareneingang	Warenannahme			Wareneingan prüfung
		Versand	Verpacken			Warenausgang prüfung
	Unterstützung extern	IT	Buchhaltung	QM		



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Your inquiry about "CA Proposition 65" for KBK Antriebstechnik GmbH products

Dear valued customer

Thank you for your inquiry regarding KBK Antriebstechnik GmbH compliance with California Proposition 65, formerly known as the Safe Drinking Water and Toxic Enforcement Act of 1986, which was enacted as a ballot initiative in November 1986.



Areas of Use - KBK Products

Automation

- Machine Tools
- Packaging Machines
- Printing Machines
- Woodworking Machines
- Filling Systems
- Press Construction
- Textile Machines
- Assembly Automation
- Grinding Machines
- Agricultural Technology

- Measurement and Control Systems
- Photovoltaics
- Semiconductor Technology
- Microtechnology
- Handling Systems
- Laser Technology
- Medical Technology
- Optotechnology
- Testing Equipment
- Conveyor Technology

Areas of Use - KBK Products



- Encoders
- Stepper Motors
- Servo Motoren
- Servo Gear Units
- Linear Axes
- TorqueTransducers













Our Product Range



- ➤ Metal Bellows Couplings
- Slit Couplings
- ➤ Elastomer Couplings
- Line Shafts
- Cardan Couplings / Linear Couplings
- Oldham Couplings
- Rigid Shaft Couplings
- Safety Couplings
- Magnetic Couplings
- > Friction Clutches
- Collars
- ➤ Locking Devices, Shrink Discs, Locking Elements
- Measuring Gearboxes



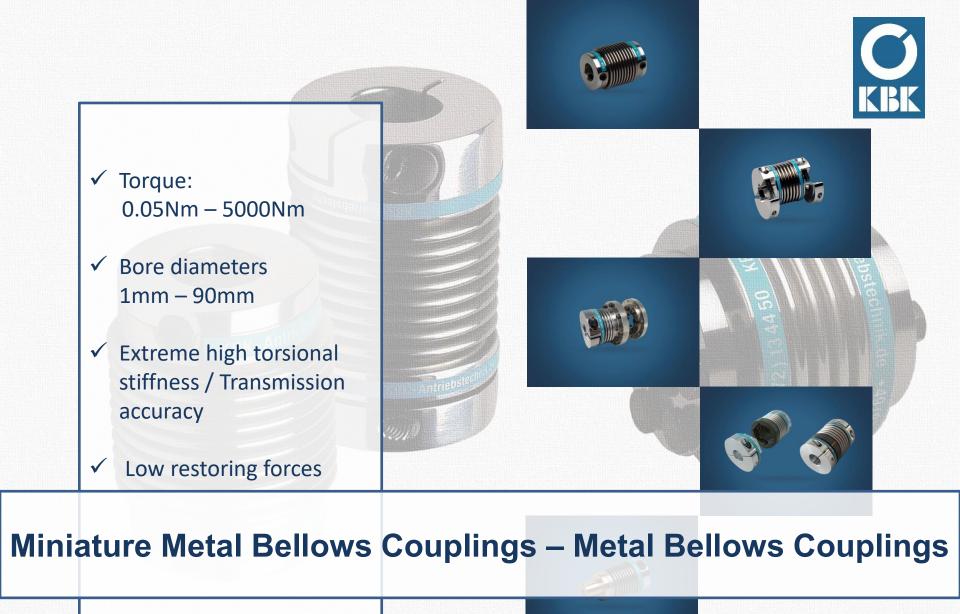
Product Portfolio



Backlash-free Shaft Couplings / Servo Couplings

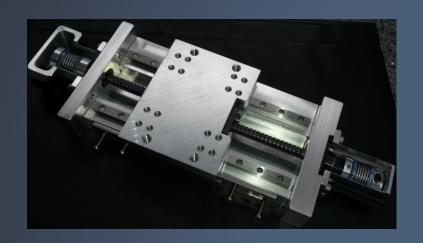
- ✓ Shaft to Shaft Connection
- ✓ Torque Transmission

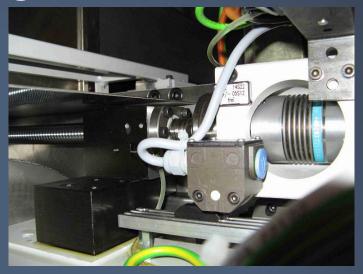
Mögliche Lageabweichung von Wellen a) axiale b) radiale c) Winkel- d) Drehwinkelabweichung



Applications Metal Bellows Couplings







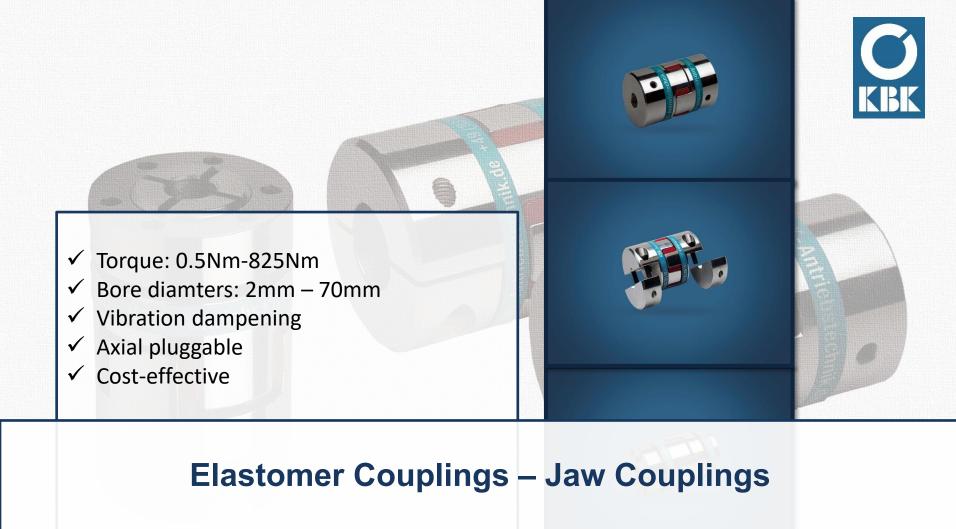


Slit Couplings



- Backlash-free Slit Couplings with clamping hubs
- Backlash-free Slit Couplings with split hubs
- Bore Diameters: 3-40 mm
- > Torque: 3-240 Nm
- Easy to mount design
- Ideal for use in hygiene-critical servo motor applications
- Hub material: aluminium or stainless steel
- High torsional stiffness, compensation for high misalignments with low restoring forces!

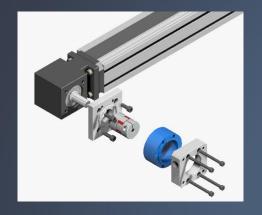




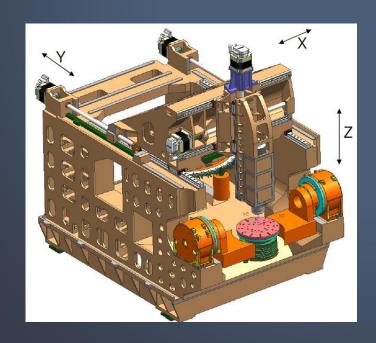


Applications Elastomer Couplings











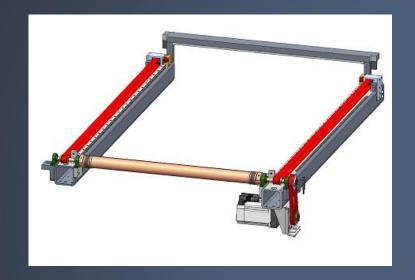
Line Shafts

- ✓ Line Shafts
- √ Torque: 4.5Nm 525Nm
- ✓ Bores: 4mm 65mm
- ✓ Length: up to 6m
- ✓ High torsional stiffness
- ✓ Low weight
- ✓ Combinable with metal bellows or elastomer inserts



Applications Line Shafts













Oldham Couplings



- Oldham Coupling
- > X- Serie
- Backlash-free
- ➤ Torque: 0.9 Nm 20Nm
- ➢ Bore diameters: 3mm 25mm
- Ideal für servo applications
- Price competitive design



X-SERIE





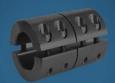


- ✓ Bore Diameters 5 104mm
- ✓ Torque: 21 12500Nm
- ✓ Single slit or split design
- ✓ Steel an stainless steel versions
- ✓ Solid connection of shafts
- Different bore diameter combinations possible

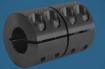


Rigid Shaft Couplings



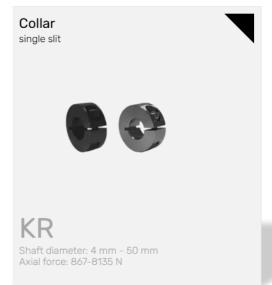


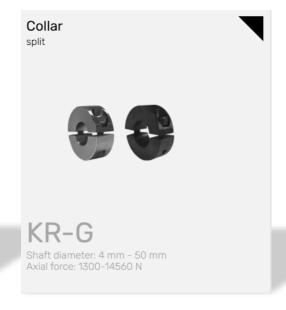


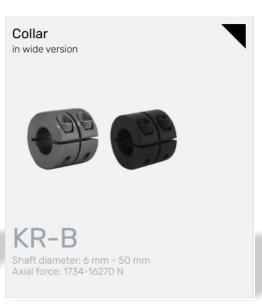


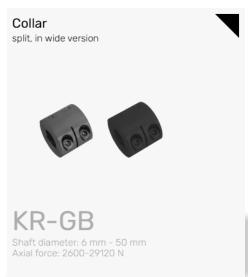
Collars

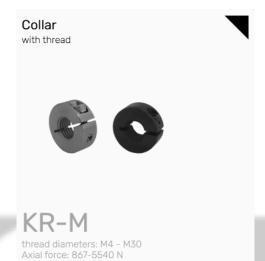












Safety Couplings – Torque Limiters

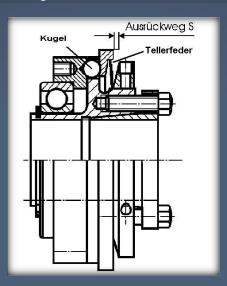


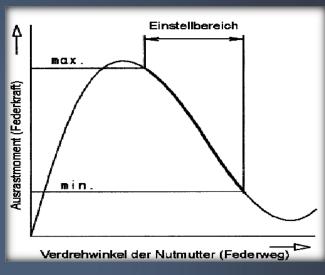


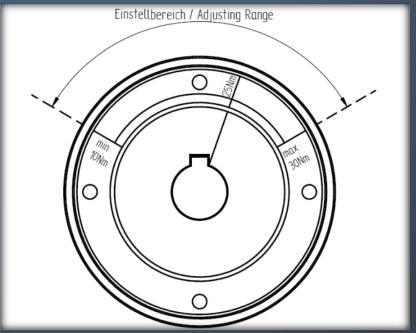
Torque Limiters

- Safety Couplings
- Torque Limiters
- Torque:

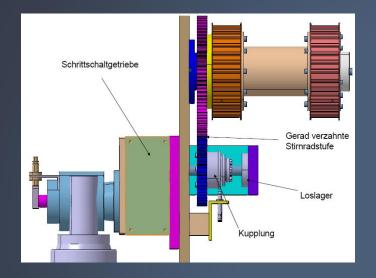
 0.2Nm 1400Nm
- Bore Diameters:3mm 75mm
- Disengagement: 2 5 ms
- Adjustable torque settings
- Low residual friction
- Precise repeatability





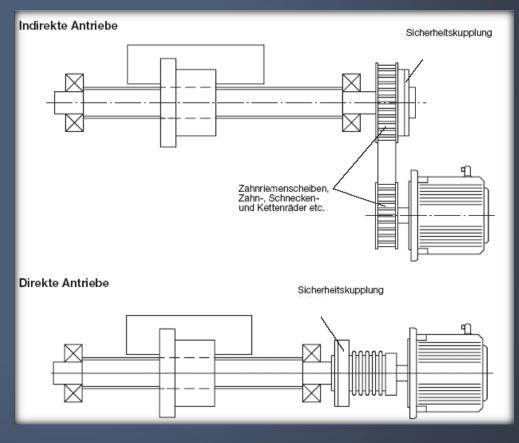


Applications Safety Couplings









Magnetic Couplings



Permanent Magnetic Coupling with clamp hubs (PMK)



Hysteresis Coupling with clamp hubs (HMK)



Hysteresis Clutch with inner and outer threads (HSM)

Hysteresis Magnetic Coupling wit screw-in thread (HLM)



Magnetic Disc Coupling with clamp hubs (AMK)



Friction Clutch





- For assembling pulleys, sprockets, etc.
- Smooth slipping on overload
- For shaft diameters from 3.7mm 120mm
- Easy to adjust by using a scaled ring
- Reliable overload protection for conveyors and many other applications
- Torque range: 0,5-6800Nm

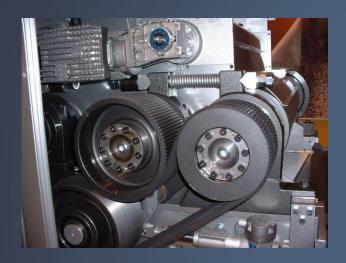


Shaft-Hub_Connections Locking Devices – Shrink Discs – Locking Elements



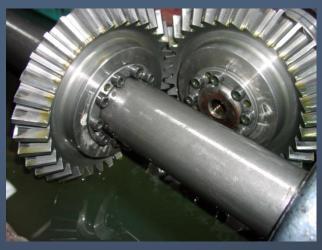
Applications Shaft-Hub-Connections

















VGA

The compact measuring gearbox version "A" is used for a direct attachment of encoders by using a pinion.

VGB

Attachment of encoders via coupling and mounting bell

- ✓ Backlash free Measuring Gearboxes
- ✓ Ratio according customer's request
- ✓ Upon request sealed and in stainless steel





- ✓ Shaft Hub Connections
- ✓ Elastomer Couplings
- ✓ Metal Bellows Couplings
- ✓ Safety Couplings





- ✓ Line Shafts
- ✓ Elastomer Couplings
- ✓ Metal Bellows Couplings
- ✓ Safety Couplings



- ✓ Magnetic Couplings
- ✓ Elastomer Couplings
- ✓ Metal Bellows Couplings
- ✓ Safety Couplings

GERWAH



ECOLOC



- ✓ Magnetic Couplings
- ✓ Shaft-Hub-Connections
- ✓ Elastomer Couplings
- ✓ Metal Bellows Couplings
- ✓ Safety Couplings



Entwicklung • Konstruktion • Beratung • Vertrieb Development • Engineering • Consulting • Sales Sviluppo • Construzione • Consulenza • Vendite

- ✓ Locking Devices
- ✓ Shrink Discs



- ✓ Locking Devices
- ✓ Shrink Discs

Further Competitors

















