



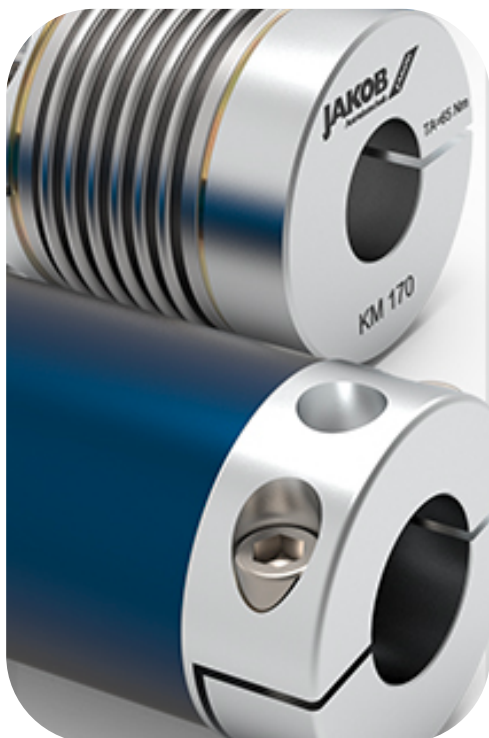
Safety couplings are essential components in power transmission systems, designed to protect equipment and machinery from overloads or unexpected failures.



SAFETY COUPLING SELECTION GUIDE

1. Determine the operating torque and limit torque

The operating torque is the torque required for the system's regular operation, while the limit torque is the maximum the coupling can withstand before disconnecting the transmission. It is essential to choose a coupling with an adjustable range that covers both values, ensuring safe operation under variable conditions.



2. Evaluate the operating speed

The safety coupling must be compatible with your system's rotational speed. Ensure that the selected model can operate stably at the required revolutions per minute (RPM) without compromising its safety function.

3. Consider the type of connection

Safety couplings must fit the shafts you need to connect, and the available mounting space is crucial. **Various configurations exist**, such as direct connections, flanged connections, or slot connections, each suitable for different shaft arrangements.

4. Analyze operating Conditions

It is essential to consider factors such as temperature, vibrations, and potential contaminants (dust, moisture, oils) that may affect the coupling's performance. The material and design must withstand these conditions without losing efficiency.

5. System Compatibility

When selecting a safety coupling, it is vital to consider shaft alignment and the space available for installation. Some couplings allow for minor misalignment corrections, which is ideal for complex systems where perfect alignment may be difficult to achieve.



6. Maintenance requirements

Preventive maintenance and ease of reinstallation are key factors in reducing downtime and operational costs. Choose a coupling with a design that allows for easy restoration after a disconnection event.

7. Consult the manufacturer

It is important to review the technical specifications provided by the manufacturer to ensure the selected coupling meets the specific requirements of your application. Personalized technical advice is key to selecting the best option.

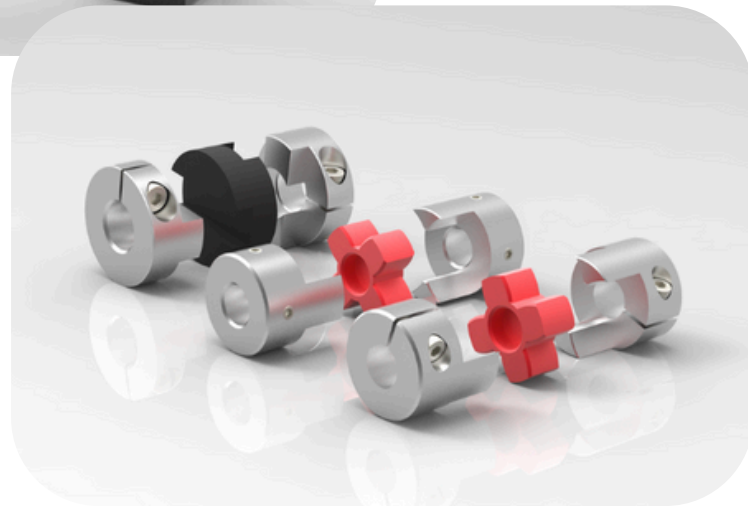
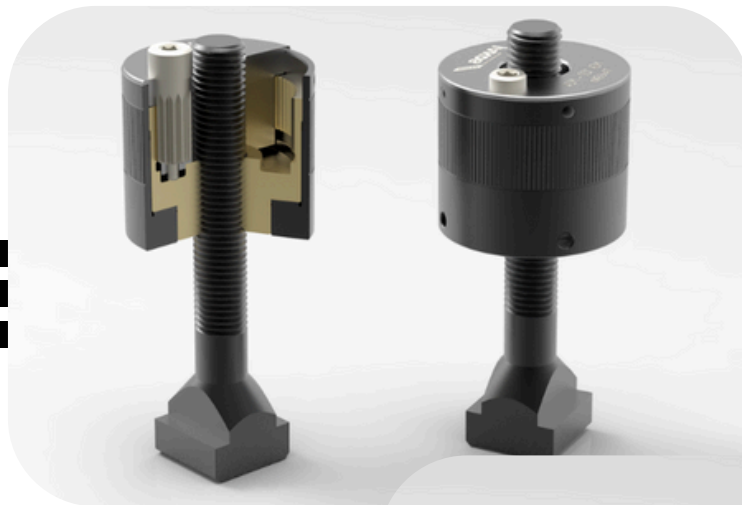


CONCLUSION




Proper selection of a safety coupling not only protects your investment but also improves operational efficiency and extends equipment life. Jakob safety couplings are ideal for complex industrial applications, ensuring high-reliability performance in demanding conditions.


By taking the time to evaluate these factors, you are investing in your system's safety and success, ensuring operational continuity and reducing the risk of failures. For more information or personalized technical advice, feel free to contact Jakob.




CONTACT

 (55) 5318 4146

 ventas@grupogaden.com

 (56) 2436 7295

 Silca No. 4 Col. Vista Hermosa
Tlalnepantla, Estado de México
C.P. 54080

JAKOB
Antriebstechnik 