

Press Release

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SKF Disc Couplings enhance service in high torque applications

SKF's range of Disc Couplings in a variety of configurations, offer cost-effective, lubrication-free service in medium to high torque applications that require torsional rigidity.

The Couplings consist of two hubs and a laminated stainless steel disc pack secured by a series of fitted bolts retained by nylon insert lock nuts. The Couplings feature a capacity range up to 178 kNm in a variety of configurations including single disc, double disc and spacer for both horizontal and vertical mounting, delivering benefits to a wide range of applications.

"In many applications, the challenge posed by exposure to the elements requires quality parts that continue to operate smoothly," says David Beggs, SKF Power Transmission Global Technical Manager. "The SKF Disc Coupling offers robust performance, with all-steel machined components that allow for high-speed applications to be handled with ease. With two-plane dynamic balancing, higher speeds are often permissible."

The Couplings minimise the need for maintenance because they offer some allowance for misalignment and do not require lubrication. Single Disc Couplings accommodate angular offset, while double disc pack units with a spacer will allow for angular, parallel or combined offset. The disc pack, or spacer may be removed and re-installed radially, meaning the prime mover and driven machine need not be moved at all.

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With hub pilot bores to simplify boring to requirements, SKF Disc Couplings bring cost-effective high performance to a range of applications and industries including petro-chemical (direct drive fan drives, pumps and compressors), printing and paper (positioning), plastics, power generation (high speed turbine type drives, alternators, pumps), refrigeration (compressors) and marine.

SKF is a leading global supplier of bearings, seals, mechatronics, lubrication systems, and services which include technical support, maintenance and reliability services, engineering consulting and training. SKF is represented in more than 130 countries and has around 17,000 distributor locations worldwide. Annual sales in 2017 were SEK 77 938 million and the number of employees was 45 678. www.skf.com

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