



R + W America L.P.

1120 Tower Lane
Bensenville, IL 60106
USA
Phone: 630-521-9911
Fax: 630-521-0366
e-mail: info@rw-america.com
Web: www.rw-america.com

Press release press fit couplings series BK5

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Precision Press-Fit Couplings Model BK5 now up to 1,500 Nm

Taking up the challenge for greater technical demands in modern machine design and construction, R+W has further increased the torque of the unique **BK5** series of Bellow Couplings.

This coupling features a unique keyed tapered hub design allowing it to be quickly mounted and dismounted. When the two coupling halves are properly pretensioned this coupling is torsionally rigid with zero backlash. The stainless steel bellow compensates for axial, angular, and lateral misalignment simultaneously making this one of the most versatile couplings on the market.

Conventional hub designs incorporate a tightening screw requiring the assembler to access the coupling through a hole in a flange in order to assemble it to a shaft. Often in a break-down maintenance situation the tightening screw does not line up with the flange access hole making nearly impossible to disassemble the coupling from the drive shaft. The BK5 is the perfect solution in this situation. The bellow also isolates the shaft bearings of the drive and driven elements from any side loading due to misalignment, thus extending their service life.

These torsionally rigid, low moment of inertia, couplings are specifically suited for high dynamic servo applications like NC and CNC machine tools, robotic drives, linear actuators, etc.

The shaft hubs are custom bored on each side for shaft sizes from 8 to 80 mm (0.3 to 3.15 in.) with or without keyways.

Sizes are available for torque capacities ranging from 15 to 1500Nm (133 to 13,275 in. lbs.).

Contact R+W Antriebselemente GmbH at 0049/9372/98640 for more information or visit our website at www.rwcouplings.com