

Press Release

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LIGNA 2009

Ready-to-Install AGK Drive Units with Patented Screw Support

Maximum speed also on very long strokes



Rexroth AGK drive units designed as compact functional units with a protective housing and traveling spindle support provide extensive protection from ambient conditions and enable maximum speeds even on very long strokes.

AGK drive units are suitable for particularly high-dynamic applications or very long travel distances where screw drives still have to meet typical standards of precision and load capacity even in very harsh ambient conditions, for example in the wood industry. As ready-to-install functional units they reduce design work and save the user having to develop his own screw supports.

Many applications require travel speeds which lie above the bend-critical speed of driven screws. Rexroth developed its patented traveling screw supports in order to reduce the free screw lengths on large strokes in horizontal applications, i.e. in order to push back the physical limits. These supports, which are controlled by the stroke movement of the nuts, move back and forth on the screw and are configured in pairs in numbers to suit the screw length. If the nut moves from center position, the supports are pushed together in the direction of

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movement and deposited behind the nut in predefined positions. With the comparatively short, free screw lengths now existing between the screw supports, limits on the maximum possible speed are extended well upwards.

The AGK drive units are ready-to-install functional units, fully equipped with a screw, a cylindrical single nut in a nut mount, and pillow block units. While the driven screw rotates, the nut performs the desired feed movement. The precision ball screw assembly is configured in various tolerance classes and pitches, including with zero-backlash and pre-tensioned, according to requirements. On request the drive units can be supplied with flange and coupling or with a belt auxiliary transmission with different speed reductions, in each case finish-assembled with motor attachment.

Rexroth is exhibiting at LIGNA 2009 in Hall 26, Stand A35.

Bosch Rexroth AG is one of the world's leading specialists in the field of drive and control technologies. Under the brand name of Rexroth the company supplies more than 500,000 customers with tailored solutions for driving, controlling and moving machinery used in industrial and factory automation as well as in mobile applications. Bosch Rexroth is a partner for industrial applications and factory automation, mobile applications and using renewable energies. As The Drive & Control Company, Bosch Rexroth develops, produces and sells components and systems in more than 80 countries. In 2008 Bosch Rexroth AG, part of the Bosch Group, achieved sales of around 5.9 billion Euro with 35,300 employees.

For more information please visit: www.boschrexroth.com

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