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PINION HAS SUPERIOR COMPATIBILITY WITH SPEED REDUCERS

Now available in the UK from R.A. Rodriguez (U.K.) Limited is the new KHK R series pinion for speed reducers. The new pinion is not only ideal for Nabtesco GH series gearhead reducers, but provides superior compatibility with flanged speed reducers from a host of leading OEMs.

A myriad of different industrial machines and systems require speed reducers, where selecting the optimal pinion often proves challenging. However, this task is now inherently simpler thanks to the KHK R series, which offers perfect harmony with the servos of gearhead reducers. As a result, a wide range of machine building projects can benefit; everything from gantry-style robots through to pipe benders, offshore equipment and large machinery used in the print and packaging industry.

In particular, the R series is highly compatible with GH series gearhead reducers from Nabtesco Precision Europe GmbH – part of the Nabtesco Group – for which R. A. Rodriguez is also the UK distributor. Users can select the R series for Nabtesco GH7, GH17, GH24, GH40 and GH100 models. Nabtesco cycloidal gearheads enable reduction in ratios from 30:1 to more than 300:1 without any of the additional pre-stages necessary when using standard planetary gears.

The KHK R series pinion is available in Module 3-6 (10-20 circular pitch) and manufactured from S45C carbon steel or SCM440 chrome-molybdenum alloy steel. All teeth are induction-hardened and ground to accuracy class JIS N7/N6. Four mounting hub diameters are available (common to all speed reducers): 24, 32, 47 and 60 mm.

As a point of note, the R series catalogue number is composed of the base SSG ground spur gear + R + the mounting hub diameter. The KHK SSG series of ground spur gears is available in Module 0.5-10 and manufactured from S45C carbon steel. These gears have been hardened and ground with a good balance of accuracy, wear resistance and cost.

KHK's R series is ready-made to fit without the need for further machining. However, if required, secondary operations are possible for all features, with the exception of the teeth.

R. A. Rodriguez has over 40 years experience in the supply of precision components to manufacturing industry in the UK, Ireland and Scandinavia. This ISO 9001:2000 company acts as factory representative for a number of the world's leading component designers and manufacturers. Its product programme falls into five divisions – bearings, linear motion, aerospace, conveyor equipment, gears and associated products. R. A. Rodriguez bearing products include the world-renowned Kaydon Reali-Slim® and Ultra-Slim® designs. In the linear motion field, R. A. Rodriguez supplies a range of solutions from components and sub-assemblies through to complete turnkey systems.

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