## Bonfiglioli's heavyweight champions showcase world title credentials at BULKEX

Some of the world's most advanced heavy industrial drives will be introduced to Australasia by Bonfiglioli at BULKEX 09, including the largest of the new HD helical drive series and the most powerful Trasmital planetary drive currently available.



The latest HDO160 bevel helical - mounted on a baseplate with fluid coupling brake and electric motor - will be complemented by other members of the totally new modular design HD series, produced on Bonfiglioli's new Australasian production and testing line that cuts delivery times out of Europe by more than half

The HD series, assembled here in capacities from 14,000-125,000Nm, will share stand 76 with models that showcase Bonfiglioli's expanded ranges and stocking in Australia and New Zealand, as well as its ability to custom engineer drives to meet individual needs and local conditions. These will include:

- Bonfiglioli's largest current planetary drive, the Trasmital 321L5FZ, which offers up to 650,000Nm of torque for use on heavy duty applications, such as coal thickeners or winches. Bonfiglioli says the Trasmital series, which is already widely used in Australia, is being evolved to meet the most extreme demands presented by heavy industries such as mining.
- A Hi Torque drive, which is a combination Trasmital 319 planetary and HDO120 bevel helical especially engineered for a wide variety of slow moving applications, such as shuttle drives, belt feeders, apron feeders, cranes and winches.
- A HDO140 with raised split casing to display its rugged internal gears and bearings. According to Bonfiglioli the HDO bevel helical and HDP parallel shaft series is engineered for outstanding torque per dollar, high casing strength, long-life bearing technology and quieter, trouble-free operation.
- A HDO alignment-free drive, engineered to provide a less expensive alternative to a baseplate design. HDO drives in sizes 100-140 and HDP drives in sizes 60-140 are



HDP size chart showing the torque output in Nm of the different sizes of HDP helical drives.



Graph shows the torque outputs of different combinations of HD drives, with the highest four outputs relating to combinations of HD helicals and Trasmital planetaries.



HD series drive and motor with fluid coupling and backstop.



An apron feeder application of the new HD drives.

among the first to be assembled locally on the complete assembly and testing line commissioned this year for the HD range.

Bonfiglioli Transmission (Australia) managing director Mr Malcolm Lewis says the HD series is deservedly a global leader in its class and a major focus of the company's showing at BULKEX - "It is a totally new design from the ground up, designed to be assembled remotely around the globe to customer requirements by qualified Bonfiglioli subsidiaries such as our own.

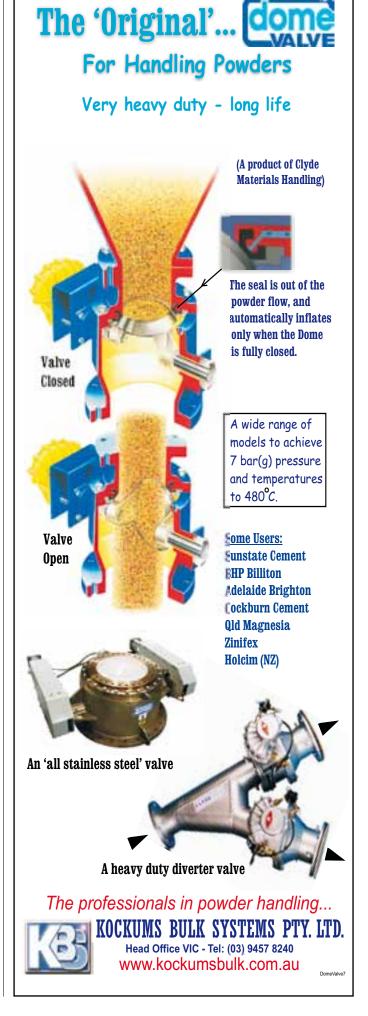
"This totally new bevel helical series offers outstanding performance with compact dimensions and flexibility. Gear cases constructed from nodular cast iron guarantee rigidity in all circumstances, while gears are integrally ground finished on their profiles to ensure quiet and vibration-free operation even in the harshest conditions.

"The commissioning at our Sydney headquarters this year of a totally new assembly and testing line for the HD series is the latest of a series of more than \$20 million in investments we have made in Australia and New Zealand to extend our leadership in range, stocking, engineering capabilities and customer responsiveness."

The HD series is ideally complemented by the Trasmital 300 series planetaries, which are compact, and yet extremely powerful, says Mr Lewis. A cutaway Trasmital planetary will be shown at BULKEX to demonstrate the drive train that makes them the ideal choice for all the severe-duty applications where shock loads and impacts are more the rule than the exception.

Trasmital drives can be specified and assembled in Australasia and planetary gearbox combinations are available here with peak torque outputs of more than a million Nm. Even larger Trasmitals are under development for ultra-heavy duty applications, particularly in resource industries.

Applications range from cranes and winches, conveyors and feeders, mixers, agitators, and aerators, clarifiers and thickeners. Bonfiglioli says the Trasmital configuration is highly versatile, with multiple options for mounting, gear layout, output shaft and motor interface. All the features are available for each of the 18 finely spaced frame sizes, spanning over the 1,000-500,000Nm torque range.



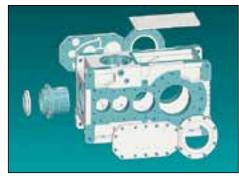


HD casing shows the rugged structure of the new series.

Bonfiglioli's showing at Bulkex will also feature:

- Versatile C helical, A bevel helical and F shaft-mounted helicals (size 90). According to Bonfiglioli these versatile drives feature high efficiency gears, sturdiness, quiet operation and a broad range of sizes, ratios and configurations to fit numerous applications, including materials handling and lifting equipment; roller conveyors; belt and chain conveyors; screw conveyors; mixers, aerators and batchers; and industrial crane travel drives
- 715T state-of-the-art slew drives for cranes, stacker-reclaimers and special equipment industries, including yaw and pitch drives for wind energy, a drives technology in which Bonfiglioli is a global player. Also on show will be a 713C3B alternate compact winch drive unit, which fits inside the winch drum.
- Electronic Active range with working model. Bonfiglioli
  has responded to expanding demand for its Vectron ACT

"The HD Series is a totally new design from the ground up, designed to be assembled remotely around the globe to customer requirements..."



Construction of the modular HD series.



Background shows HDO + baseplate + fluid coupling + motor – the HD Drive Power Pack. Foreground is of a combination HDO and 300 series planetary – HD Hi-Torque Drive.

201 and 401 selectable vector drives by more than doubling the capacity of ranges available ex-stock in Australia and New Zealand. Expanded local stocking of the ACT series of drives up to 132kW means enhanced availability and delivery of the advanced technology drives, which are designed to offer outstanding flexibility for variable speed industrial process applications.

Bonfiglioli Transmission (Australia) is part of the international Bonfiglioli group, with 2500 employees worldwide and sales of two million products annually worth almost 650 million Euros (\$A1036 Million). The full Australian branch is part of a global network of 13 full branches and eight production plants supported by nearly 80 national distributors and an Australasian network of distributors complemented by offices in Australian States and New Zealand.

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