

/// brevini



eSERIES



During this **long** journey of **growth** and **success**, where **knowledge** and **passion** have been the key to unlocking its **customers** full potential.

Brevini Power Transmission is among the world's top manufacturers in the sector of mechanical transmissions and gear drives, thanks to consolidated market shares in industrial applications (steel industry, plastics production, materials handling) and in innovative systems such as wind turbines, waste recycling plants, and energy production. Brevini is also a major player in the mining sector and in marine technologies. Established in 1960 by Renato, Luciano and Corrado Brevini, Brevini was the first Italian company to produce planetary gearboxes.

The New **e**SERIES

The ideal solution for industry in the third millennium

Technological excellence, mechanical efficiency, operational and functional economies, and Brevini Power Transmission's industrial experience are the strengths of the new E Series: the ideal solution for industry in the third millennium.

This innovative series of planetary gearboxes, perfect for industrial applications with intermediate torque and power requirements, is Brevini Power Transmission's solution for the needs of its globalized customers who want higher performance in a more compact space. The new E Series is based on a modular concept, of which Brevini has been the standard-bearer for half a century, enhanced with substantial technological innovation and the ability to offer the same outstanding performance in a gearbox that weighs less. Brevini Power Transmission engineered the sizes (and distributed the reduction ratios), following a harmonic scaled logic to supply the best possible solution for differing application needs without "gaps" in the product range.



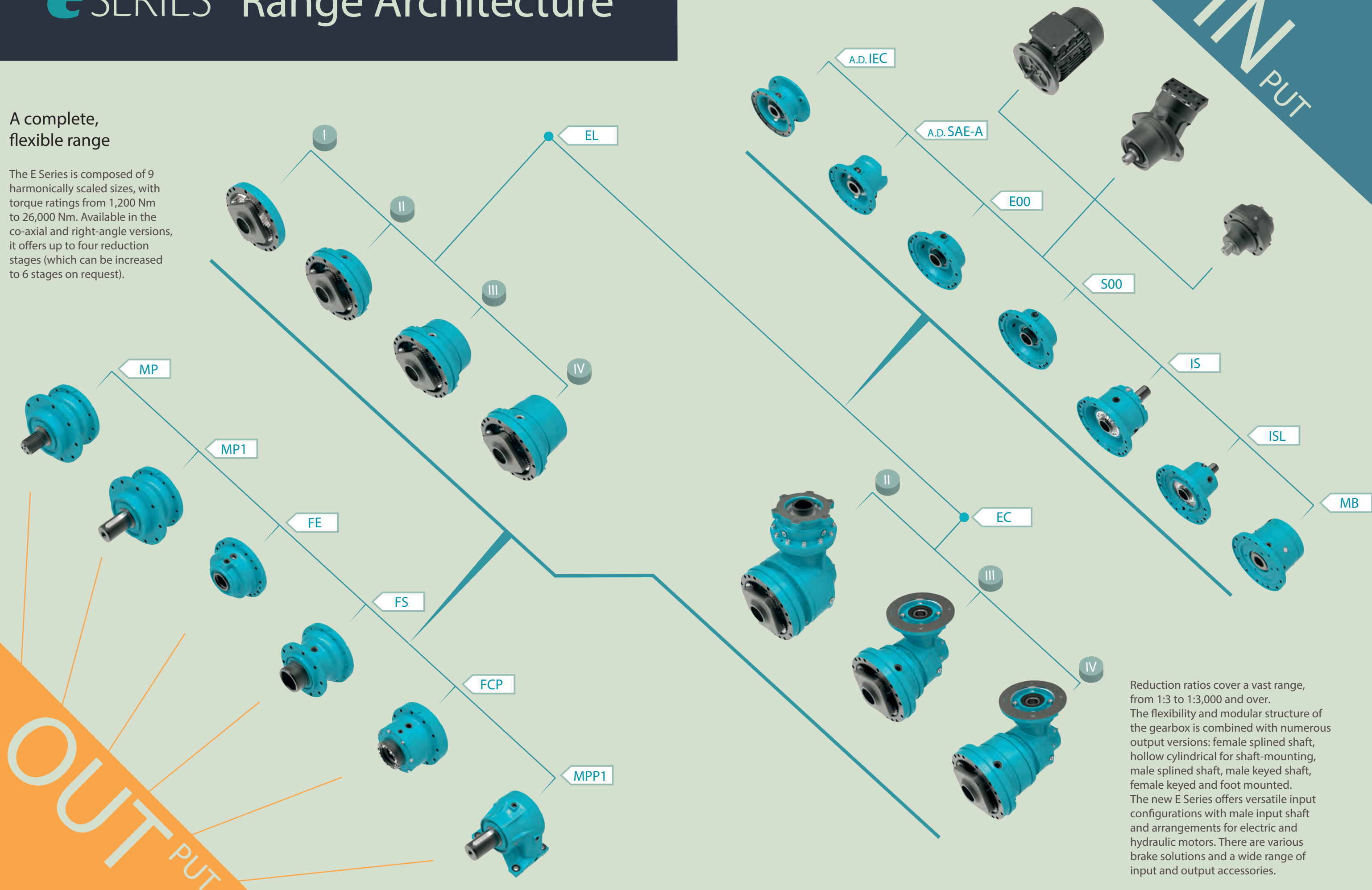
Top Quality

Gears and components are manufactured to the highest quality standards in order to satisfy the toughest requirements, with heat treatment and grinding levels greatly surpassing market standards. Brevini also insists on using only the finest materials, not just for its transmission components, but also for support elements. For example, the planet carrier is made of pressed steel instead of nodular cast iron.

eSERIES Range Architecture

A complete, flexible range

The E Series is composed of 9 harmonically scaled sizes, with torque ratings from 1,200 Nm to 26,000 Nm. Available in the co-axial and right-angle versions, it offers up to four reduction stages (which can be increased to 6 stages on request).



Reduction ratios cover a vast range, from 1:3 to 1:3,000 and over. The flexibility and modular structure of the gearbox is combined with numerous output versions: female splined shaft, hollow cylindrical for shaft-mounting, male splined shaft, male keyed shaft, female keyed and foot mounted. The new E Series offers versatile input configurations with male input shaft and arrangements for electric and hydraulic motors. There are various brake solutions and a wide range of input and output accessories.

knowledge and passion

We have always been dedicated
to unlock full customers' potential.

High performance and reliability

Performance does not only mean effective torque transmission, but also a longer useful life of the gearbox and easy management. The perfect meshing of the parts provides immediate results in terms of reduced vibrations, increased mechanical efficiency, and noise reduction.

Additional positive results come from improved oil circulation and the high load capacity of the bearings. All of these effects combined, greatly increase performance compared to a product with the same weight from Brevini's historic Industrial Range .



Engineering at the service of the customer

Reducing the masses in movement and number of components was the driving force behind the successful design of the new E Series. The number of components of the whole family was reduced by 40% compared to Brevini's historic Industrial Range (Gamma Base). The modular design not only means streamlined engineering and production phases, but also ensures a better level of service for the final customer.



Interchangeability

The new E Series was designed to be interchangeable with most solutions already on the market, regardless of whether they are equipped with another similar type of Brevini gearbox or one from other brands. In many cases the performances of E Series give the opportunity to utilize smaller sizes for the same technical requirements or working conditions. For cases in which interchangeability is not ensured with a product in the catalogue, Brevini offers a customization service that will study the best solution to suit the specific need.



Finding the right product for you

The gearbox is at the heart of the E Series, but the choice of the right configuration is absolutely essential for making a project work. Brevini places its technical sales offices and the information technology tools at the disposal of the customer to simplify the process of defining specifications and selecting the best solution.



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