



CONSTRUCCIONES MECÁNICAS  
**MECOVAL** S.L.



# Core Chucks

Mecoval chucks may be customised to meet specific end-user and OEM needs including a “core kicker” option. In operation the chucks expand when the reel stand arms close, guaranteeing that the lugs expand concentric and true, gripping the core perfectly. With no internal components that can collapse or become adversely affected by dust, little maintenance is required.

## STANDARD

Highly recommended for its strength, cost-effectiveness and reliability and ideal when a reel is used 2-3 times. It may be supplied as a single, double or triple chuck to suit core sizes 76mm, 100mm and 152mm, or tailor-made to other specifications.

*Standard Chuck*



## TOTALGRIP

The chuck of choice when cores are re-used 5-6 times. The large contact surface of the lugs allows re-use of reels as many times as necessary whilst exerting a positive gripping force from the start. Its design allows total contraction of the lugs below the diameter of the chuck body, resulting in easy reel changes as the chuck becomes a slide fit into the reel with no lugs or pads for the reel to catch on. Can also be tailor-made, from 76mm to 406mm.

*TotalGrip Chuck*



## TOTALGRIP WITH AUTOMATIC EXPULSION

Suitable for winding or unwinding applications, it is the most complete chuck in the range. Recommended when reels are re-used 5-6 times and it is important to save time between reel changes, it has the same characteristics as the TotalGrip chuck but with the added benefit of automatic expulsion of the reels once the job is finished. Can be tailor-made, from 98mm to 406 mm and may be used with standard lugs or TotalGrip lugs.

*TotalGrip Chuck with Automatic Expulsion*



**JARSHIRE**  
SINCE 1979

## DOUBLE AND TRIPLE CHUCK

Adaptable for use with two or three different core sizes, the most common being 76/152 mm although other sizes may also be supplied.

## PNEUMATIC

Supplied in rigid format where the machine has its own pneumatic ejection system or with mechanical expansion featuring a large spring if there is no ejection system. Any design may be developed for custom-made solutions at no extra cost. Either manual air entrance or automatic back air entrance through the machine.



Double  
and Triple  
Chuck

## TORQUE CORE CHUCKS vs TOTALGRIP CORE CHUCKS

### Why we recommend TotalGrip

Torque core chucks feature complicated designs prone to excessive wear and dust accumulation. As the name indicates, the chucks are torque-activated – the lugs engage the core only when force is exerted to rotate the assembly, and, if in less than optimal condition, they may not provide a firm grip. A slippery grip causes the core to spin around the chucks, resulting in tension variation across the web. Further, dust trapped in the internal components can cause the lugs to engage incompletely or fail outright.

Complex designs and lots of small, failure-prone components make conventional torque-activated chucks more expensive with higher maintenance costs.

### TotalGrip Core Chuck

In contrast, the simple, Serco-inspired design with minimal internal parts make TotalGrip Core Chucks more durable and less susceptible to the damaging effects of dust and the wear and tear of heavy use.

The lugs in Mecoval Core Chucks activate with the closing of the roll-stand. When the cone is pressed towards the chuck base (as in closing the roll-stand) the simplified internal mechanism forces the lugs out, ensuring a firm, consistent grip throughout the production run.

The reliability, durability and simple design makes the Mecoval Core Chuck the most efficient and cost-effective on the market.