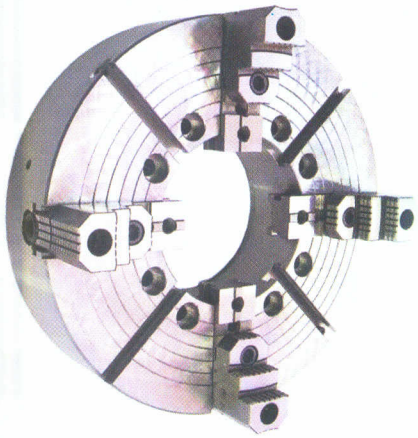
Workholding solutions in the pipe from Leader

Workholding specialist Leader Chuck Systems now offers an extensive range of oil country chucks from Polish workholding manufacturer, Bison-Bial. The Tamworth-based company is a distributor for the sale of Bison's extensive cost-effective product range, which includes pre-sales technical support, stocks of popular items and spare parts being held at Leader's dedicated logistics facility in Leamington Spa.

Industry-specific products like the oil country chucks designed and produced by Bison provide focused workholding solutions, and highlight how the company listens to its customers and develops robust and efficient answers to the manufacturing problems they face. These high quality oil country chucks are ideally suited to the oil, gas and petrochemical industry sectors for customers with demanding workholding applications. The extensive range of large through-hole chucks provides a solution for any manufacturer turning long, large diameter parts.

Like all chucks from Bison, the oil country chucks are made from forged steel or cast iron. And, all of the working surfaces are induction hardened and ground to ensure that the finished product is a rugged chuck that meets high sliding, stability, and durability parameters that customers have come to expect from the company.

All of the 3-jaw self-centring chucks can work individually or in pairs, mounted on opposite sides of the lathe spindle, ensuring the same vertical position of the jaws in both chucks. This allows the accurate turning of very long components such as pipes.



The cast iron bodied Type 3295 3-jaw self-centring chuck offers a large through-hole compared to the outside diameter of the chuck body. Chuck body sizes are 400, 500, 660 and 800 mm diameter with the ability to hold parts from 168 up to 566 mm diameter. Maximum operational speeds range from 500 rpm down to 200 rpm for the largest chuck.

Providing increased rigidity and greater wear resistance, the steel bodied Type 3597 provides higher gripping forces and can withstand increased machining forces. This allows the chuck to operate at between 2,500 rpm and 700 rpm for the 315 and 800 mm diameter chucks respectively, with the bore through ranging from 145 to 460 mm diameter.

Also employing a steel body, the extensive heavy-duty Type 3515 HD range supports through-hole, face and internal fixturing for all turning applications. Available in 400, 500, 630 and 800 mm diameter the chucks can hold parts between 25 and 800 mm diameter. The gripping force ranges from 6,200 daN for the smallest chuck up to 9,000 daN for the largest, and the maximum operating speed is 1,400 and 600 rpm respectively.

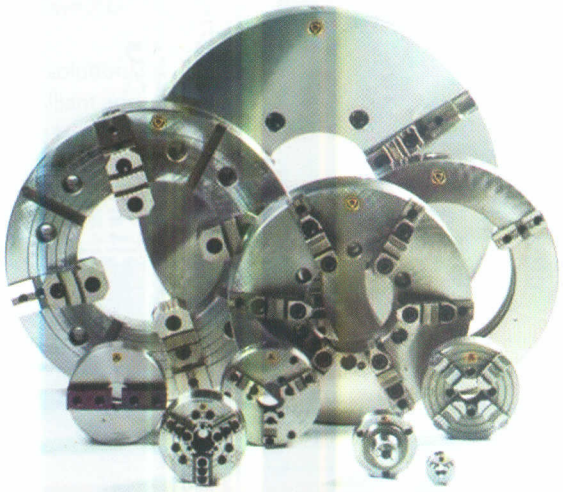
All of the heavy-duty 4-jaw independent chucks feature forged steel bodies and can work individually or in pairs, mounted on opposite sides of the lathe spindle, ensuring the same vertical position of the jaws in both chucks. This allows high gripping forces and the accurate turning of very long components such as pipes, flanges, valve bodies and long prismatic parts.

Available in an extensive range of sizes the Type 4317 HD can hold parts between 45 and 1250 mm diameter with a gripping force of up to 5,000 daN per jaw. Through-hole sizes go from 136 mm diameter for the 415 mm diameter model up to 530 mm diameter for the 1 m diameter version.

Type 4347 HD provides a high precision workholding solution for manufacturers that require increased gripping accuracy to generate tight tolerance parts. Available as 415, 500 or 710mm diameter models, the chucks can accurately hold parts between 45 and 710 mm diameter. While the 1000 or 1250 mm diameter Type 4307 HD has a gripping range between 50 and 1,250 mm diameter and a 200 mm diameter through-hole on both sizes.

Supplied as standard with hard master jaws all chucks can be specified with soft or hard top jaws. And, most models feature reversible jaws to accommodate internal and external chucking operations. Mountings are available for standard or special spindles.

Each chuck is thoroughly inspected before the product leaves the factory. With checks for gripping force and run-out to ensure accuracy in order to meet Bison's quality standards that exceed all DIN standards. Only then is the chuck given the Bison label of quality.



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