

32 Double Ended Rod

Certain Steel Threaded Rod from China, Inv. 731-1145 (Final)

This facsimile of the rare 1923 Sears catalog offers a nostalgic look back at consumer items during a nation's recovery from World War I. The catalog featured everything, from automobile accessories to toys.

Technical Manual

Vols. for 1970-71 includes manufacturers catalogs.

Body, Chassis, and Winches for Tractor Truck M26, Component of 40-ton Tank Transporter Trailer Truck M25

The idea to use air for transmitting power is very old. Ctesibius in ancient Greece described a catapult using pneumatic cylinders to first store energy and then rapidly accelerate an arrow. Heron of Alexandria developed automatic temple doors which opened and closed by means of hot air. And from the Greek word for breath he coined the term that was used as title for his book and today describes a whole industry: pneumatics. Pneumatic components and systems have become an important topic for textbooks. Most have their focus on the description of the steady-state behaviour, practical problems like troubleshooting or Boolean algebra to help designing control algorithms. Only a few textbooks covering the theoretical analysis and design of pneumatic systems have been published (Zemanzon et al. 1965; Andersen 1967; Andersson et al. 1975). But they were written at a time when digital computers were not easily available to engineers and therefore contain few material about modelling and simulation. This book tries to bridge the gap between scientific disciplines (fluid mechanics, thermodynamics, mathematics, control, etc.), the conventional approach to describe pneumatic components and systems by their steady-state behaviour, the wish of a design engineer to test his design before actually building hardware and the resulting need for mathematical models in order to use today's powerful digital computers.

Metallurgia

This book reports on topics at the interface between manufacturing and materials engineering, with a special emphasis on design and simulation issues. Specifically, it covers the development of CAx technologies for product design, the implementation of smart manufacturing systems and Industry 4.0 strategies, topics in technological assurance, numerical simulation and experimental studies on cutting, milling, grinding, pressing and profiling processes, as well as the development and implementation of new advanced materials. Based on the 3rd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2020), held on June 9-12, 2020 in Kharkiv, Ukraine, this first volume in a two-volume set provides academics and professionals with extensive information on the latest trends, technologies, challenges and practice-oriented lessons learned in the above-mentioned areas.

Directory of Metalworking Machinery

The Jan. 1956 issue includes Fluid power engineering index, 1931-55.

Metalworking Machinery

Specifications and Drawings of Patents Issued from the United States Patent Office

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