Chain Drive Training System



Model: 223-000

DAC Worldwide’s Chain Drive Training System (223-000) is a heavy-duty learning aide that allows for in-depth training in industrial chain drives, heavy/silent chains, and sprocket set usage. Through the use of a welded aluminum driver and actual industrial hardware, the trainer provides a complete introduction to chain nomenclature, assembly, disassembly, alignment, and maintenance.

Packaged with several chain types, connecting links, attachment chain samples, sprockets, bushings, and applicable tools, this learning system offers a complete training experience in this fundamental industrial drive technology. Learners will use these industrial-grade components to study topics such as taper lock bushings, chain drive maintenance, installation/alignment of chains, and tensioning of chains. Not only do the components provide durability to stand up to frequent use, but they also help learners to become better prepared for the tasks they will encounter on the job.

The Chain Drive Training System includes the use of straight, keyed-bore, taper-bore, taper-lock, QD bushings, Morse HV chains, and silent chains, which allows for a variety of hands-on exercises. It also provides skill-building for industry-relevant tasks, like installing/removing QD and taper-lock bushings, fabricating shaft keys, and how to align industrial idlers.

Practice Hands-On Mechanical Skills for Various Applications

The Chain Drive Training System features a formed-steel baseplate with provision for tabletop mounting, as well as a welded aluminum motor and driven elements. It includes training on ground steel shafting, using a handwheel, and understanding multiple motor positions, which allows for establishment of several different chain lengths. It also comes with a chain, including 40 series standard, double-pitch, and single-pitch/double-strand, as well as six mixed diameter sprockets with provisions for keyed, taper-bore, taper-lock and QD huds.

Courseware & Hands-On Exercises

The Chain Drive Training System’s courseware consists of an IPT Industrial Trades Training Manual and a user’s guide with hands-on exercises. These can be used as part of either an instructor-led course or self-directed study.

Learners will explore a wide variety of fundamental chain drive topics, creating a complete, in-depth, hands-on

course for use throughout industry. Hands-on exercises include industry-relevant skills, such as: chain drive components and concepts; identification of chain types; silent chains; sprocket terminology and use; installation and removal of Q.D. & taper lock bushings; use of a dial indicator in chain drive maintenance; chain drive maintenance pre-checks; fabrication and installation of shaft keys; and installation, alignment, and tensioning of roller chain, idlers, double pitch roller chain, multiple strand roller chain, and silent chain.

Expand Training with Additional Mechanical Options

The Chain Drive Training System is only one of DAC Worldwide's expansive mechanical training products, including a Combined Mechanical Trainer (200), a Belt Driver Trainer (201), a Quick Start Chain Sample Board Package (838-PAC), and many more!

FEATURES & SPECIFICATIONS

- 7-Gauge, formed-steel baseplate with provision for tabletop mounting
- Welded aluminum motor and driven elements
- Ground steel shafting
- Handwheel
- Multiple motor positions, allowing for establishment of several different chain lengths
- Provision for motor element jacking
- Heavy-duty flanged bearings allowing for variation of misalignment
- Chain, including 40 series standard, double-pitch and single-pitch double strand chain
- Connecting links, including cotter pin, spring clip and offset types
- Idler bracket assembly
- Six mixed diameter sprockets, with provision for keyed, taper-bore, taper-lock and QD hubs
- All components can be mounted on related bench and workstation products
- Chain breaker tool
- Chain puller
- Combination wrenches
- Allen wrench set
- Straight edge
- Magnetic angle indicator
- String
- Shim selection (four each of five sizes)

- Twelve connecting links of three varieties
- Two offset links (#40 series)
- Chain sample kit (six samples)
- Attachment chain sample
- Tool box
- Use/Exercise Guide, with 13 hands-on exercises
- Industrial Trades Training Manual, with chapter on chain drives (IPT)
- Packaging for shipment via motor freight

PRODUCT DIMENSIONS

- **Product Dimensions**
  (L x W x H)
  36in. x 13in. x 14in. (910 x 330 x 350 mm)
  60lbs. (27kg)

- **Shipping Dimensions**
  (L x W x H)
  40in. x 15in. x 24in. (1020 x 380 x 610 mm)
  132lbs. (60kg)

OPTIONS

- #208-015 - Magnetic Base/Dial Indicator Set (Required)
- #902F - Electromechanical Workstation
- #099-00S - DVD, Power Transmission Installation and Maintenance Training (IBT)
- #208-003 - Standard Shim Kit
- #223-001 - Heavy Series Chain and Sprocket Set
- #223-003 - Silent Chain and Sprocket Set
- #510-000 - IPT Industrial Trades Training Manual
- #510-001 - IPT Industrial Trades Handbook
- #838-PAC - Chain Sample Board
- #208-002 - Economy Shim Kit
- #223-500 - Use/Exercise Guide, Chain Drive
- #223-PAC - Chain Drive Training System Plus

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