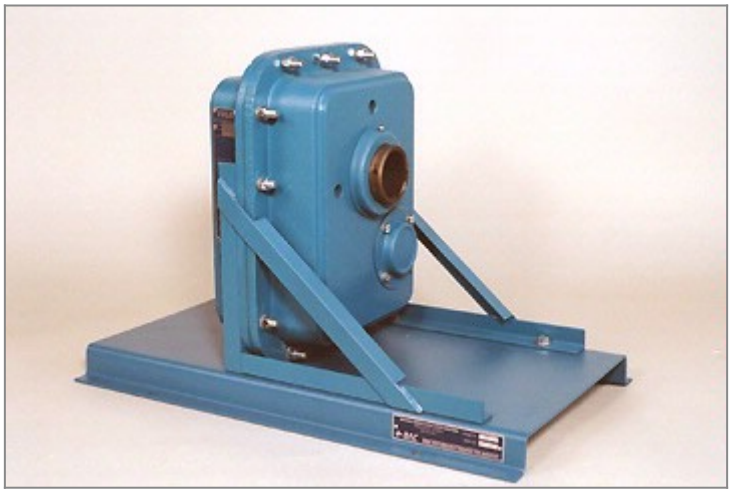
Shaft Mounted, Hollow-Shaft Helical Gear Reducer Dissectible



Model: 205-160

Gear reducers, also known as gear boxes, gear drives, or speed reducers, are enclosed mechanical devices that use gears to lower the speed and raise the torque of an electric motor. There are a wide variety of different types of gear reducers for specific applications.

Shaft mounted, hollow-shaft helical gear reducers have a unique set of benefits. On helical gears, the tooth traces are slanted. Compared to other gears, helical gears are stronger and produce less noise because of higher meshing ratios.

Shaft mount reducers with a hollow output are mounted directly on the input shaft of the driven machine. Supported by the shaft and torque arm arrangement or motor mount frame, the need for additional components to transmit torque from the reducer to the equipment is eliminated. They're used primarily for conveyors in many different types of industries, such as aggregate, baggage handling, grain, and wastewater treatment.

DAC Worldwide’s Shaft Mounted, Hollow-Shaft Helical Gear Reducer Dissectible (205-160) is one of an extensive series of actual industrial gear reducer dissectibles for use in hands-on mechanical drives training in either the classroom or the laboratory.

Each dissectible consists of a real piece of industrial equipment that has been cleaned, restored, repainted, and mounted on a modular, heavy-gauge, formed-steel baseplate. It can also be mounted on a compatible DAC Worldwide bench, workstation, or storage product.

All primary functional features are retained, and replacement hardware is provided where necessary. The dissectible provides learners with realistic, hands-on experience with the detailed disassembly, inspection, and assembly of a shaft mounted, hollow-shaft helical gear reducer commonly encountered in industry.

Industry-Standard Components Provide Realistic, Hands-On Training

Technical training is most effective when learners can gain hands-on practice with industry-standard components they’ll encounter on the job. The dissectible features a carefully-restored, sectioned, industrial shaft mounted,

hollow-shaft helical gear reducer to provide learners with a realistic training experience that will build skills that translate easily to the workplace.

The Shaft Mounted, Hollow-Shaft Helical Gear Reducer Dissectible is a sturdy unit mounted on a 7-gauge, formed-steel baseplate with provision for bench-top, workstation, or storage rack mounting. Where necessary, it has been painted with a highly-durable urethane coating. An applicable installation and maintenance manual from the original manufacturer is also included with each dissectible.

Expand Training Capabilities with Custom Options

The Shaft Mounted, Hollow-Shaft Helical Gear Reducer Dissectible can be customized with available options to create a training system that matches a particular industry's or user's specific needs. For example, available options for this dissectible include: an IPT Industrial Trades Manual or Handbook and an Electromechanical Workstation.

FEATURES & SPECIFICATIONS

- 7-gauge, formed-steel baseplate with provision for bench-top, workstation, and storage rack mounting.
- Restoration of actual industrial gear reducers.
- Painting, where necessary, using a high-durability, urethane coating.
- Replacement hardware where necessary.
- Applicable installation and maintenance manual from original manufacturer.
- Crating for shipment via common carrier.

PRODUCT DIMENSIONS

- **Product Dimensions**
  (L x W x H)
  Approx. 24in. x 13in. x 14in. (600 x 330 x 360 mm)
  Varies, 45-150lbs. (20-70kg)

- **Shipping Dimensions**
  Varies, 70-175 lbs. (32 - 80 kg)

OPTIONS

- Recommended #902F – Electromechanical Workstation
- #510-000 - Industrial Trades Manual (IPT)
- #510-001 - Industrial Trades Handbook (IPT)

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