

Offset In-Line Helical Gear Reducer Dissectible



Model: 205-150

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.

Offset in-line helical gear reducers have a unique set of benefits. On helical gears, the tooth traces are slanted. Compared to other gears, helical gears are very efficient and rather quiet because of higher meshing ratios. The term "offset" refers to the fact that the input and output shafts are not in line with one another.

Many different industries use offset in-line helical gear reducers. Specific applications include: conveyor systems, packaging, cranes, winches, hoists, agitators, and mixers.

DAC Worldwide's Offset In-Line Helical Gear Reducer Dissectible (205-150) is one of an extensive series of actual industrial gear reducer dissection models for use in hands-on mechanical drives training in either the classroom or the laboratory.

Each dissection model 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 dissection model provides learners with realistic, hands-on experience with the detailed disassembly, inspection, and assembly of an offset in-line 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 dissection model features a carefully-restored, sectioned, industrial offset in-line helical gear reducer to provide learners with a realistic training experience that will build skills that translate easily to the workplace.

The Offset In-Line Helical Gear Reducer Dissection Model 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 Offset, In-Line 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 Training Manual or Handbook, a relevant textbook, a gear drives maintenance tool kit, 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.
- Aluminum support stand-offs.
- Formed-steel, magnetic parts container with liners.
- Applicable installation and maintenance manual from original manufacturer.
- Crating for shipment via common carrier.

PRODUCT DIMENSIONS

- **Product Dimensions**
(W x L x H)
13" x 24" x 13" (335 x 610 x 330 mm)
35 lbs (16 kg)
- **Shipping Dimensions**
(W x L x H)
15.5" X 34" X 23.5" (395 x 864 x 597 mm)
55 lbs (25kg)

DISCLAIMER: Product Dimensions are approximate. Shipping Dimensions and Weights are for directional use only and may change based on manufacturer variables. For the most accurate Shipping Dimensions and Weights, please contact the manufacturer.

OPTIONS

- Recommended #902F – Electromechanical Workstation

- #510-000 - Industrial Trades Manual (IPT)
- #510-001 - Industrial Trades Handbook (IPT)
- #205-001 - Tool Kit, Gear Maintenance

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