

# Offset In-Line Helical Gear Reducer Cutaway



Model: 205-250

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 Cutaway (205-250) is one of an extensive series of actual industrial gear reducer cutaways for use in hands-on mechanical drives training in either the classroom or the laboratory.

Each cutaway 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.

## **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 cutaway 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 Cutaway 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 cutaway.

## **Expand Training Capabilities with Custom Options**

The Offset, In-Line Helical Gear Reducer Cutaway 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 cutaway include: an IPT Industrial Trades Training Manual or Handbook and an Electromechanical Workstation.

### **FEATURES & SPECIFICATIONS**

- 7-gauge, formed-steel baseplate with provision for bench-top, workstation, and storage rack mounting.
- Painting, where necessary, using a high-durability, urethane coating.
- Replacement hardware where necessary.
- Applicable installation and maintenance manual from original manufacturer.
- Sectioning and restoration of actual industrial gear reducer. (Popular models by well-known manufacturers are chosen for industrial relevancy.)
- Simulated motion via hand crank.
- Packaging for shipment via courier or parcel service.

### **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
13.5" x 18" x 11" (343 x 450 x 280 mm)  
30 lbs. (13.5 kg)
- **Shipping Dimensions**  
(L x W x H)  
15" x 25" x 24" (381 x 635 x 610 mm)  
55 lbs. (25 kg)

### **OPTIONS**

- Recommended #902 - Electromechanical Workstation
- #510-000 - IPT Industrial Trades Training Manual
- #510-001 - IPT Industrial Trades Handbook
- #903 - Electromechanical Workstation, Extended
- #M205-01 - e-Learning: Introduction to Gear Drives
- #M205-02 - e-Learning: Types of Gears
- #M205-03 - e-Learning: Maintaining Gear Drives

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