

# Right Angle Spiral Bevel Gear Reducer Dissectible



Model: 205-120

DAC Worldwide's Right Angle Spiral Bevel Gear Reducer Dissectible (205-120) is part of an extensive series of actual industrial gear reducers for use in classroom and laboratory hands-on training related to mechanical drives. This example, which was procured as industrial surplus, has been cleaned, restored, repainted, and mounted on a modular heavy-gauge steel baseplate. The dissectible can be mounted on a related bench, workstation, and storage products, and all features have been retained.

Using a steel baseplate and industry-grade aluminum components, the equipment provides a variety of training scenarios to aide learners in becoming better prepared for the tasks they will encounter on the job. This mechanical training system includes restoration of actual industrial gear reducers. Learners will use these components to study topics such as gear trains and ratios, the role of right angle drives, the components of a spiral bevel gear, and much more.

This versatile piece of training equipment, combined with the ability to disassemble/reassemble the product, represents a complete course in this fundamental industrial technology, and is useful within industrial training programs, as well as in the educational setting.

## **Practice Hands-On Mechanical Skills for Various Applications**

This Right Angle Spiral Bevel Gear Reducer Dissectible features a durable, flexible system mount, including a 13-gauge steel baseplate with provisions for tabletop, workstation, and storage rack mounting. The dissectible is covered in a high-durability urethane coating, providing durability to stand up to frequent use. Learners will use these components to practice hands-on skills, such as identifying gear types, troubleshooting complications, and much more.

## **Expand Training with Additional Mechanical Options**

The providing durability to stand up to frequent use is only one of DAC Worldwide's expansive mechanical training products. Additional mechanical dissectibles and cutaways include a Wrap-Spring Clutch Sample (200-2203), Multiple Disc Pneumatic Clutch Cutaway (200-2206), an Extended Gear Reducer Cutaway Series (205-200), and many more!

## **Optional Student Training Manual and Textbook Available**

Copies of this course's Student Training Manual & Textbook are an optional supplement with this mechanical dissectible. Sourced from the Exercises and Learning Activities, the Student Training Manual takes the technical content contained in the learning objectives, and combines it into one perfectly-bound book. The textbook, called *IPT Industrial Trades*, presents clear objectives and performance standards for learners. If you would like to inquire about purchasing additional Student Training Manual or Textbooks for your program, please contact your local DAC Worldwide Representative for more information.

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### **FEATURES & SPECIFICATIONS**

- 7-Gauge, formed-steel baseplate with provision for bench-top, workstation and storage rack mounting.
- Restoration of actual industrial spiral bevel gear reducer, including oil removal, cleaning and repainting
- Examples from well-known manufacturers are chosen for industrial relevancy.
- High-durability urethane coating, which stands up to frequent use.
- Aluminum support stand-offs.
- Replacement hardware, where necessary.
- Formed-steel magnetic parts container with liner.
- Crating for shipment via motor freight or sea freight.

### **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
Approx. 13in. x 24in. x 11in. (335 x 610 x 279 mm)  
35 lbs. (16kg).
- **Shipping Dimensions**  
(L x W x H)  
Approx. 15.5in. X 34in. X 23.5in. (395 x 864 x 597 mm)  
55 lbs. (25kg).

### **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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