

Right Angle Straight Bevel Gear Reducer Dissectible



Model: 205-110

Bevel gearing features cone-shaped gears on which the tooth-bearing surfaces are the faces rather than the edges of the gears. This enables the edges of the mating gears to mesh at a right angle (90-degree angle) to transmit torque. The teeth of straight bevel gears are cut straight and oriented perpendicular to the outside edge of the gear.

The right angle geometry of bevel gears makes them perfect for applications in which a change of direction is necessary. They're popular across a wide variety of industries and applications, including: printing machines, chemical mixers, packaging machinery, roller conveyors, and rotary axis drives used in food processing, woodworking, paper, textile, material handling, automation, and packaging.

DAC Worldwide's Right Angle Straight Bevel Gear Reducer Dissectible (205-110) 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 right angle straight bevel gear reducer commonly encountered in industrial electro-mechanical systems.

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 Right Angle Straight Bevel Gear Reducer Dissectible features a carefully-restored, sectioned, industrial right angle straight bevel gear reducer to provide learners with a realistic training experience that will build skills that translate easily to the workplace.

The Right Angle Straight Bevel 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. It also features a rectangular, galvanized-steel parts container with two protective fiberboard liners, as well as a formed-steel, magnetic parts container with protective liner. An applicable installation and maintenance manual from the original manufacturer is also included with each dissectible.

Expand Training Capabilities with Custom Options

The Right Angle Straight Bevel 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 Industrial Mechanics and Maintenance textbook, an IPT Industrial Trades Training Manual or Handbook, an Electromechanical Workstation, and a Gear Drives Maintenance Tool Kit.

FEATURES & SPECIFICATIONS

- 7-gauge, formed-steel baseplate with provision for bench-top, workstation, and storage rack mounting.
- Restoration of actual industrial straight bevel gear reducer, including oil removal, cleaning, and repainting. (Examples from well-known manufacturers are chosen for industrial relevancy.)
- Painting using a high-durability, urethane coating.
- Aluminum support stand-offs.
- Rectangular, galvanized steel parts container with two protective fiberboard liners.
- Replacement hardware where necessary.
- Formed-steel, magnetic parts container with protective liner.
- Applicable installation and maintenance manual from original manufacturer.
- Crating for shipment via motor freight or sea freight.

PRODUCT DIMENSIONS

- **Product Dimensions**
(W x L x H)
Approx. 13" x 24" x 9" (335 x 610 x 225 mm)
35 lbs. (16kg)
- **Shipping Dimensions**
(W x L x H)
Approx. 15.5" X 34" X 23.5" (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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