201
Belt Drive Trainer

Product Dimensions
(L x W x H)
36in. x 13in. x 14in. (910 x 330 x 350 mm)
70lbs. (32kg)

Shipping Dimensions
(L x W x H)
40in. x 15in. x 24in. (1020 x 380 x 610 mm)
136lbs. (62kg)

FEATURES AND SPECIFICATIONS
- 7-Gauge, formed-steel baseplate with provision for tabletop mounting.
- Welded aluminum motor and driven elements.
- High-durability powder coating, allowing for repeated use and rough handling.
- Multiple motor positions allow for demonstration of multiple tensioning requirements.
- Heavy-duty, adjustable motor base for parallel tensioning.
- Provision for two-point tensioning using jacking bolts.
- Heavy-duty, flanged bearings allowing for variations in shaft misalignment.
- Fractional horsepower belts and sheaves, allowing for installation at two shaft centerline distances.
- Multiple type-A belt set, including tapered bushing, 2-groove sheaves, matched belts and a mismatched belt example.
- Positive drive belt set including belt and sheaves.
- Sheave bushings, including QD and taper-lock varieties.
- Belt maintenance tool set.
- Provision for mounting on related bench and workstation products.
- Packaging for shipment via motor freight.

SERVICE REQUIREMENTS
None

GENERAL DESCRIPTION
This heavy-duty, multi-functional training fixture allows for convenient training in the identification, installation, tensioning and alignment of common belt drives types found in industry.

A steel baseplate and aluminum components combine to create a lightweight, yet realistic and stable device.

Packaged with hardware for applications related to multiple matched belts, fractional horsepower belts, positive drive belts and variable pitch sheaves, this device provides a variety of training scenarios in one benchtop piece of equipment. Optional drive hardware relating to other belt types and chain drives are available to expand the device's usefulness.

This versatile product, combined with a variety of realistic exercises, represents a complete course in this fundamental industrial technology, useful within industrial training programs, as well as in the educational setting.

OPTIONS
#099-00S - 6-Topic Power Transmission Installation and Maintenance Training DVD (IBT)
#201-002 - Wedge Belt and Sheave Set
#201-005 - Laser-Type Sheave/Sprocket Alignment Tool
#201-007 - Motorization Option
#208-003 - Standard Shim Kit
#208-015 - Magnetic Base/Dial Indicator Set
#223-003 - Silent Chain and Sprocket Set
#510-000 - IPT Industrial Trades Training Manual
#510-001 - IPT Industrial Trades Handbook
#514-002 - Textbook, Industrial Mechanics and Maintenance, 3rd Ed.
#837 - Belt Sample Board
#902 - Electromechanical Workstation
#201-001 - Chain drive option
#201-004 - Heavy-duty, foam-lined, resusable packing container.
#201-006 - High torque, synchronous belt drive set (Poly Chain).
#201-500 - Additional Use/Exercise Guide.
#201-PAC - Belt Drive Trainer, Quick-Start Package, including: #201, #201-002, #208-015.

RELATED ITEMS
#200 - Combined Mechanical Trainer
#223 - Chain Drive Trainer

STANDARD ACCESSORIES
* Belt sample set (nine samples). * Belt tension gauge. *
COURSE CONTENT

The courseware, useful in both an instructor-led or self-directed format, includes a textbook with a chapter on belt drives and sheave alignment technique, and twelve, illustrated, hands-on exercises.

Exercises include:

- Sheave inspection gauge.
- * Allen wrench set.
- * Combination wrenches.
- * Straight edge/rule.
- * String.
- * Angle indicator.
- * Shim selection (5 each of 5 sizes).
- * Toolbox.
- * Use/Exercise Guide, with 12 hands-on exercises.

In accordance with DAC's established policy of continuous improvement, these specifications and product descriptions are subject to change without notice. This information is the latest technical information as of the time of viewing or printing.