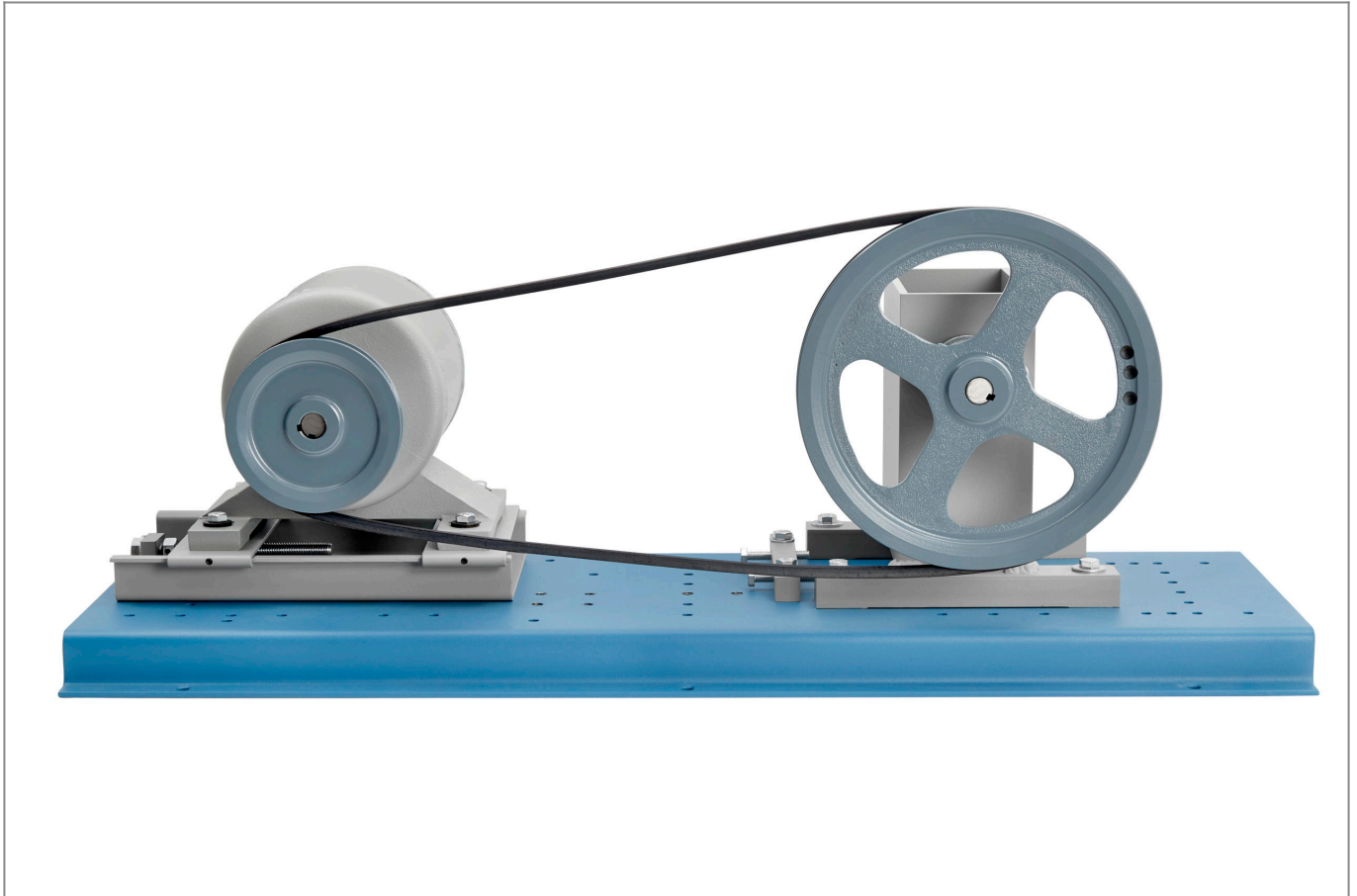


Belt Drive Training System



Model: 201-000

DAC Worldwide's Belt Drive Training System (201-000) is a heavy-duty, multi-functional training fixture that 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.

Explore Hands-On Belt Drive Alignment Training

The Belt Drive Training System includes flanged bearings, fractional horsepower belts and sheaves, multiple Type-A belt sets, sheave bushings, as well as an adjustable motor base, positive drive belt, tool kit, belt sample set, shim selection, Industrial Trades Manual, and Use/Exercise Guide. The system also requires the #208-015 Magnetic Base/Dial Indicator Set.

Packaged with hardware for applications related to multiple matched belts, fractional horsepower belts, positive drive belts, and variable pitch sheaves, the system 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 system's usefulness.

Belt Drive Training Includes Installation, Alignment, and More!

This versatile installation and alignment belt drive system, combined with a variety of realistic exercises,

represents a complete course in this fundamental industrial technology, useful within industrial training programs and educational settings. 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. The exercises include:

- Exercise 201-S01 - Introduction to Belt Drive Components and Concepts
- Exercise 201-S02 - Introduction to Belt Types
- Exercise 201-S03 - Belt Identification Systems
- Exercise 201-S04 - Introduction to Belt Drive Sheave Terminology and Use
- Exercise 201-S05 - Use of a Dial Indicator in Belt Drive Maintenance
- Exercise 201-S06 - Installation and Removal of Q.D. Bushings
- Exercise 201-S07 - Belt Drive Maintenance Pre-checks
- Exercise 201-S08 - Belt Drive Alignment and Tensioning of Fractional Horsepower Belts
- Exercise 201-S09 - Alignment and Tensioning of Multiple Conventional V-belts
- Exercise 201-S10 - Belt Drive Alignment and Tensioning of Belt Drives With Variable-Speed Sheaves
- Exercise 201-S11 - Alignment and Tensioning of Wedge Belts (optional)
- Exercise 201-S12 - Belt Drive Alignment and Tensioning of Positive Drive Belts

FEATURES & 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 sets, 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.
- Belt sample set (nine samples).
- Belt tension gauge.
- Sheave inspection gauge.
- Allen wrench set.
- Combination wrenches.
- Straight edge/rule.
- String.
- Angle indicator.
- Shim selection (five each of five sizes).
- Toolbox.
- Use/Exercise Guide with 12 hands-on exercises.
- Industrial Trades Training Manual with 55-page section on belt drives (IPT).
- Gates Belt Preventive Maintenance Manual.
- Packaging for shipment via motor freight.

PRODUCT DIMENSIONS

- **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)

OPTIONS

- Required #208-015 - Magnetic Base/Dial Indicator Set
- Recommended #902F - Electromechanical Workstation
- #099-00S - DVD, Power Transmission Installation and Maintenance Training (IBT)

- [#201-002 - Wedge Belt and Sheave Set](#)
- [#201-005 - Sheave/Sprocket Laser Alignment Tool](#)
- #208-003 - Standard Shim Kit
- #510-000 - Industrial Trades Manual (IPT)
- #510-001 - Industrial Trades Handbook (IPT)
- #837-PAC - Belt Sample Board
- #201-001 - Chain Drive
- #201-006 - High Torque, Synchronous Belt Drive Set (Poly Chain)
- #201-500 - Use/Exercise Guide, Belt Drive Training System
- #201-PAC - Belt Drive Training System Plus

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