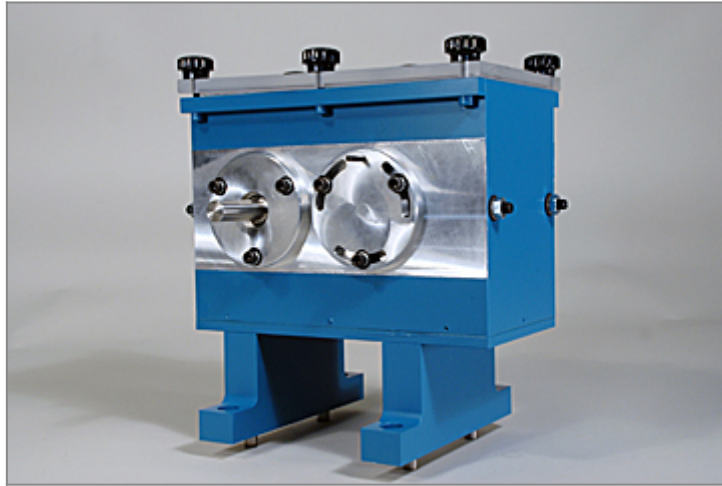


Gear Fault Accessory



Model: 203-020

DAC Worldwide's Gear Fault Accessory (203-020) is a specialized product option enhances selected related vibration analysis study and demonstration products with respect to the unique vibration signatures created by gear faults in rotating equipment. The accessory fits with DAC Worldwide's 203E Extended Vibration Analysis Training System.

The detection of improper gear meshing and physical gear deformities, are regularly encountered by maintenance personnel when performing preventive and predictive maintenance tasks on industrial rotating equipment. The custom-machined, supplementary gear mounting enclosure, can be easily mounted on the modular T-slotted mounting services and attached to the rotor assembly of select related products.

Four, 2-part gear sets are provided of 2 varieties allowing for study of undamaged helical and spur gear sets as well as allowing for two of the gear sets to be modified by the purchaser.

Specially-machined bearing housings allow for shaft repositioning creating new backlash and gear contact circumstances. A specialty manual brake assembly is provided, in order to enhance resulting signatures.

FEATURES & SPECIFICATIONS

- For use with #203E - Extended Vibration Analysis Training System
- Welded and re-machined modular aluminum gearbox, with provision for mounting on related product mounting surfaces via raised support feet with alignment pins
- Clear acrylic viewing and access safety cover, with locking knobs
- Two (2) Helical gear sets, 12-pitch, 4 total
- Two (2) Spur gear sets, 10-pitch, 4 total
- One (1) Load/Brake Device
- Four custom bearing housings/caps of two designs allowing installation of deep groove ball bearings on the fixed input shaft and on the variable-position output shaft

- Provision for adjustment of output shaft centerline position, allowing for modified mesh patterns
- Machined steel precision input and output shaft set, with keyways, and keys
- Connecting helical beam coupling
- Disc brake-type mechanical load device, allowing operation of gear set under load. Includes machined steel disk, manual adjustable brake calliper, and mounting bracket

PRODUCT DIMENSIONS

- 8-in. L x 6.5-in. W x 8.5-in. H (200 x 165 x 215 mm)
- 15 lbs. (7 kg)

REQUIREMENTS For use with 203E Extended Vibration Analysis Training System

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