MPTA-B9i-2013

TAPER-LOCK BUSHING & MATING HUB STANDARD

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MPTA Standard

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Abstract

This standard defines the general dimensions and tolerances for Taper-Lock detachable bushings and mating hubs.

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Foreword

This Foreword is provided for informational purposes only and is not to be construed to be part of any technical specification.

This standard is a revision of TL-1-2000 Guideline and is formatted for consistency with other MPTA documents.

Suggestions for the improvement of, or comments on this publication are welcome. They should be mailed to Mechanical Power Transmission Association, 5672 Strand Ct. Suite 2, Naples, FL 34110 on your company letterhead.

Scope

This standard is intended to provide dimensions and tolerances, which will permit bushings made by one manufacturer to be used to mount sheaves or other products made by a different manufacturer.

The bushing system described in this standard is limited to systems having the following characteristics:

- ...No external flange
- ...No external key
- ...A nominal 8 degree taper angle
- ...Split through entire bushing

Surface Finish per MPTA-B4c-2008.

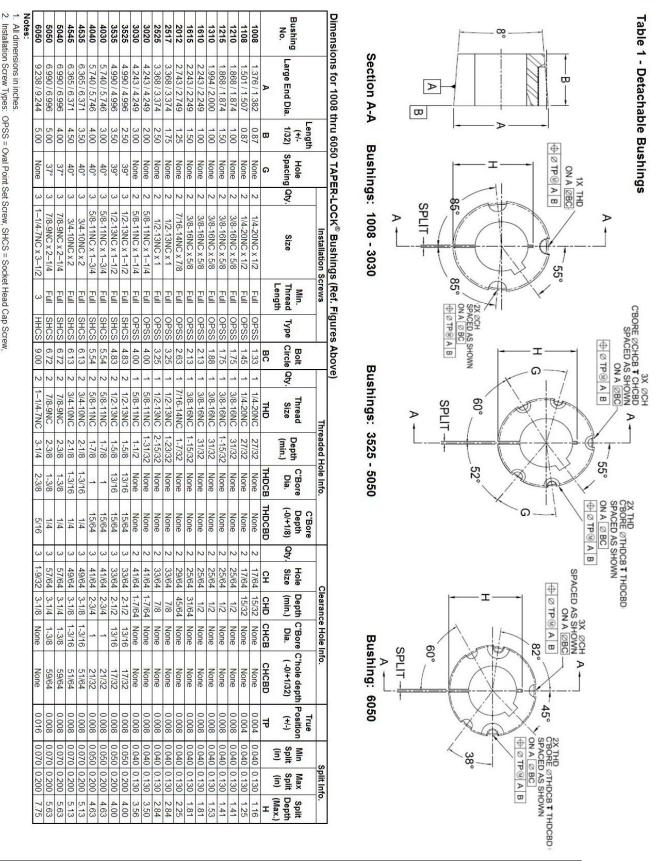
Refer to Manufacturer's guidelines for installation torque and maximum bore specification

TAPER-LOCK® is a Registered Trademark of Baldor Electric Company

The standard acceptable contact fit for the taper bore in hub is 1.6783 +/- .005 in/ft on diameter or

HHCS = Hex Head Cap Screw (Grade 5 Minimum, plus washers)

70% minimum contact using the appropriate ring gage



Surface Finish per MPTA-B4c-2008

70% minimum contact using the appropriate ring gage. Measurements taken before splitting bushing.

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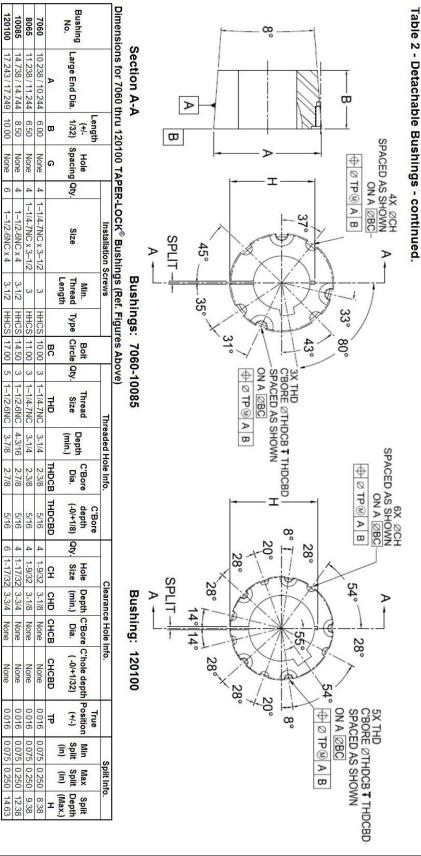
Refer to Manufacturer's guidelines for installation torque and maximum bore specification.

All dimensions in inches.

All dimensions in inches.

Installation Screw Types: OPSS = Oval Point Set Screw, SHCS = Socket Head Cap Screw, HHCS = Hex Head Cap Screw (Grade 5 Minimum, plus washers)

The standard acceptable contact fit for the taper bore in hub is 1.6783 +/-.005 in/ft on diameter or



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