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STANDARD SURFACE FINISH for TRANSMISSION PULLEYS



MPTA Standard

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Abstract

This standard defines the maximum surface finish for transmission pulleys.

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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 was updated to the format defined by MPTA-A1. The contributors list was updated to reflect the current members. No technical revisions were made.

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

Scope

This informational bulletin applies to v-groove sheaves, cylindrical (flat) pulleys and synchronous sprockets.

The machined surface finish of various areas of transmission pulleys shall not be coarser than the values in Table 1 below:

TABLE 1

Maximum Surface Roughness Height
Ra (Arithmetic Average)
3.2 Micrometer (125 Microinch)
6.3 Micrometer (250 Microinch)
6.3 Micrometer (250 Microinch)
3.2 Micrometer (125 Microinch)
1.6 Micrometer (63 Microinch)
As Cast Surface
3.2 Micrometer (125 Microinch)

^{*} Note: The measuring methods defined in ASME-B46.1 shall be used to determine these values.

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