



Mechanical Power Transmission Association

STANDARD SURFACE FINISH FOR TRANSMISSION PULLEYS MPTA B4-2002

Formerly SF-87 (2000)

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

MACHINED SURFACE AREA

MAXIMUM SURFACE ROUGHNESS HEIGHT

R_a* (Arithmetic Average)

V-Pulley Groove Sidewalls	3.2 Micro Meter (125 Micro Inch)
V-Pulley O.D. and Rim Edges	6.3 Micro Meter (250 Micro Inch)
Flat Pulley Rim O.D.'s	6.3 Micro Meter (250 Micro Inch)
Trapezoidal Synchronous Pulley Tooth Flanks and Tips	3.2 Micro Meter (125 Micro Inch)
Curvilinear Synchronous Pulley Tooth Flanks and Tips	1.6 Micro Meter (63 Micro Inch)
Rim I.D's, Hub Ends, and Hub O.D.s	As Cast Surface
Bores Straight and Tapered	3.2 Micro Meter (125 Micro Inch)

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

END OF PUBLICATION

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