

TIP 0605-02

OLD TIP NO. 003-2
ISSUED – 1963
REVISED – 1967
REAFFIRMED – 1988
REAFFIRMED – 1994
REVISED – 1999
REAFFIRMED – 2004
© 2004 TAPPI

The information and data contained in this document were prepared by a technical committee of the Association. The committee and the Association assume no liability or responsibility in connection with the use of such information or data, including but not limited to any liability or responsibility under patent, copyright, or trade secret laws. The user is responsible for determining that this document is the most recent edition published.

Pulpstone speed chart

Scope

This chart allows the user to easily determine the surface speed of a pulpstone by knowing the stone diameter and operating RPM. The stone surface speed is important in determining the grinder performance and will change as the stone wears. Using this chart, an operator can adjust stone RPM to maintain a set surface speed.

Definition

Pulpstone surface speed is the velocity in feet/minute that the outer surface of the stone is moving.

Safety Precautions

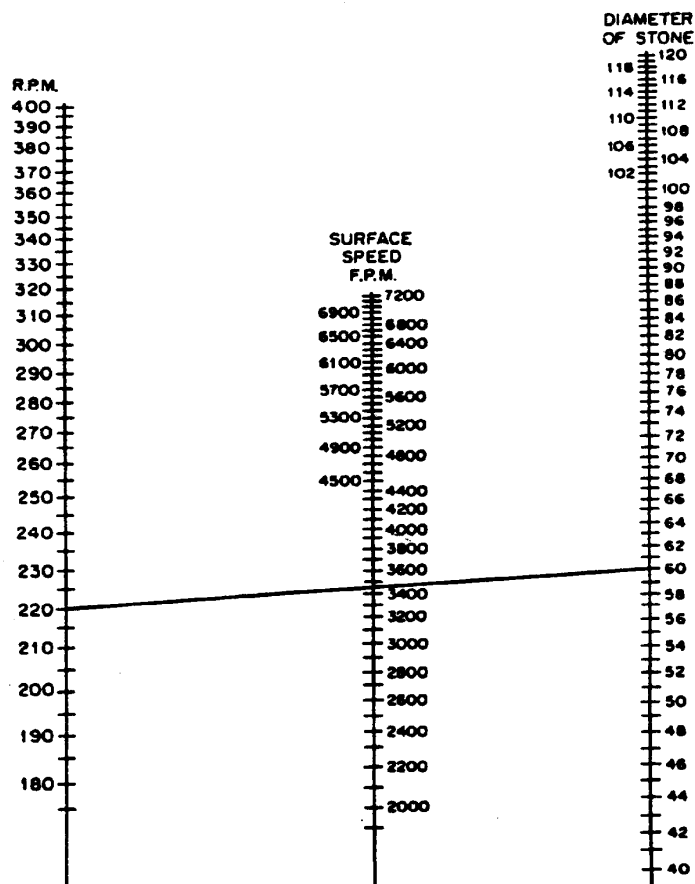
All pulpstones are speed rated by their manufacturers and those speeds should not be exceeded without manufacturer authorization.

TIP Category: Data and Calculations



Documents
Document Sharing Hub

Content



Example of use

Draw line from known diameter of stone to known R.P.M. Circumferential speed is indicated at point where line crosses scale.

NOTE: Pulpstones are usually designed with an adequate safety factor. However, to ensure safe operation speeds in excess of 6000 surface feet per minute should not be used without investigating manufacturer's recommendations.

Keywords

Grinders, Pulpstones, Rotation, Machine speed, Velocity