

Summary

Hnatiuk O. Research teams conditions of large diameter face mills cutter for the processing of multi-machines.

Master paper contains 173 pages, 35 figures, 7 tables, 29 bibliographic sources. The graphical part consist of 5 letters and 5 posters.

Paper Purpose - Improving the efficiency of face mills cutter with large diameter and increase processing performance by improving their design parameters .

Object of study: workability face cutters of large diameter, the analysis of their operating properties.

In the master's paper solved the following problems:

- Investigates the permissible wear value under certain cutting conditions, defined recovery time end mills cluster of large diameter.
- Theoretically investigated the performance of internal stresses and stability of end cluster frezy1 the purpose of predicting the state of the instrument.
- Based on theoretical and experimental studies of end mills stiffness given advice on the choice of optimal conditions and operating modes of the instrument.

PRECAST MILLS, STIFFNESS, STRENGTH, VIBRATION,
EFFECTIVENESS CUTTING TOOL