

#### INTERNATIONAL ORGANIZATION FOR STANDARDIZATION MEЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ ORGANISATION INTERNATIONALE DE NORMALISATION

### Test conditions for pillar type vertical drilling machines – Testing of the accuracy – Part II : Practical test

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#### FOREWORD

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Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2773/ff (originally Draft International Standard VIEW ISO/DIS 3032) was drawn up by Technical Committee ISO/TC 39, *Machine tools*, and circulated to the Member Bodies in January **1973**andards.iteh.ai

It has been approved by the Member Bodies of the following countries : ISO 2773-2:1973

Austria	https://standards.iteh.ai/cat India Italy c4730	alog/standards/sist/ece9ef31-a59a-4470-8b4e- )52577152/spand73-2-1973
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No Member Body expressed disapproval of the document.

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### Test conditions for pillar type vertical drilling machines – Testing of the accuracy – Part II : Practical test

### 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the practical test to be carried out for checking pillar type vertical drilling machines and is a continuation of ISO 2773/I, Test conditions for pillar type vertical drilling machines – Testing of the accuracy – Part I: Geometrical tests.

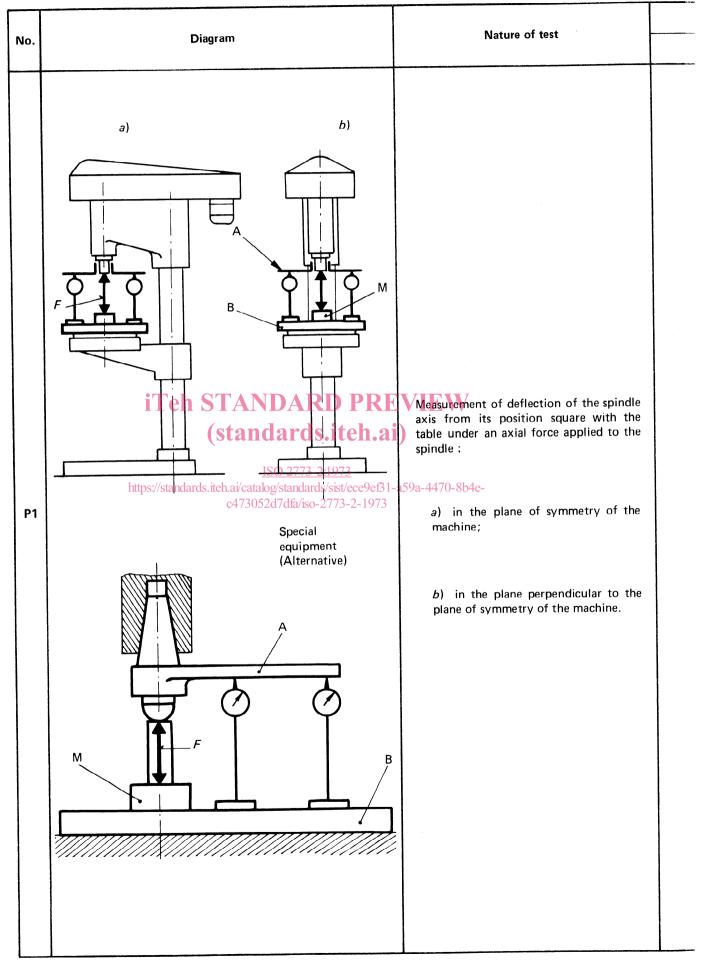
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### 2 PRACTICAL TEST



Permissible deviation		Measuring	Observations
mm	in	instruments	and references to the test code ISO/R 230
2/1000	iTeh ST. (st.	ANDARD PRE Special and a equipment ch.ai ISO 2773-2:1973 (catalog/standards/sist/ecce9ef31- 73052d7dfDial-gauges2-1973 and load cell	It is unnecessary to follow the test code ISO/R 230. A drilling test shall not be carried out but an axial force $F$ shall be exerted on the spindle nose, using the table surface as a support. The application of force $F$ and the measurement of the deflection under load of the axis of the spindle in relation to the table surface shall be made directly on the spindle nose with the aid of special
	L	L	

### ANNEX

### **GRAPH GIVING THE AXIAL FORCE** F AS A FUNCTION OF THE DRILLING CAPACITY $\phi$ OF THE MACHINE

NOTE – This graph only gives typical values representing average thrusts when drilling medium steel (Tensile strength R = 0.55 to 0.65 GPa<sup>\*</sup>)



\* Provisional value : R = 55 to 65 hbar.

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