

SYNOPSIS OF INDIAN STANDARDS

Number and Title of the Indian Standard:	IS 17257 : 2019 ISO 26303 : 2012 Machine tools — Short-term capability evaluation of machining processes on metal-cutting machine tools
a. Scope:	<p>This Standard defines procedures for acceptance of metal-cutting machine tools based on the tests of their capability in machining a specified workpiece (i.e. indirect testing). It gives recommendations for test conditions, applicable measurement systems and the requirements for machine tools.</p> <p>This Standard is consistent with ISO 22514 (all parts) describing statistical methods for process management and deals with the specific application of those methods to machine tools and machining of a sample batch of test pieces. This Standard covers neither functional tests, which are generally carried out before testing the accuracy performance, nor the testing of the safety conditions of the machine.</p> <p>Annex A gives additional information related to statistical evaluation, (normative) Annexes B and C provide agreement and evaluations forms for short-term capability tests, while Annex D gives an example.</p>
b. Salient features of content:	<p>The standard comprises of:</p> <ul style="list-style-type: none">- Terms and definitions- Symbols- Preliminary remarks- Procedure for short-term capability evaluation- Factors influencing short-term capability evaluation