INTERNATIONAL STANDARD

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AMENDMENT 1
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Sintered metal materials, excluding hardmetals — Determination of transverse rupture strength

AMENDMENT 1: Precision statement

Matériaux métalliques frittés à l'exclusion des métaux-durs — Détermination de la résistance à la rupture transversale
AMENDEMENT 1: Données concernant la fidélité

Reference number
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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this Amendment may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO 3325:1996 was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*, Subcommittee SC 3, *Sampling and testing methods for sintered metal materials (excluding hardmetals)*.

Sintered metal materials, excluding hardmetals — Determination of transverse rupture strength

AMENDMENT 1: Precision statement

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Add the following subclause concerning a precision statement:

6.3 The values given in Table 1 were calculated for repeatability limit (r) and reproducibility limit (R). These values state that it is to be expected that when testing samples from any given lot, a laboratory will repeat its own measurements within the appropriate value of (r) 95 % of the time and that a laboratory will duplicate the results of any other given laboratory within the larger value of (R), 95 % of the time.

Table 1 — Precision data

Material [a]	$\bar{R}_{tr}$ N/mm^2	r N/mm^2	R N/mm^2
Iron, 0,5 % combined carbon	490	38	97
Iron, 2 % Cu, 0,8 % combined carbon	990	86	145
Pre-alloyed 4 600, 2 % Cu, 0,8 % combined carbon	1 200	199	286
Iron, 2 % Ni, 0,5 % combined carbon Heat treated	1 320	163	279

[a] Additional information on the materials can be taken from MPIF (Metal Powder Industries Federation, USA) Standard 41:1998, *Determination of Transverse Rupture Strength of Powder Metallurgy Materials.*

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