INTERNATIONAL STANDARD ISO 10360-6:2001
TECHNICAL CORRIGENDUM 1

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Geometrical Product Specifications (GPS) — Acceptance and reverification tests for coordinate measuring machines (CMM) —

Part 6:
Estimation of errors in computing Gaussian associated features

TECHNICAL CORRIGENDUM 1

Spécification géométrique des produits (GPS) — Essai de réception et de vérification périodique des machines à mesurer tridimensionnelles (MMT) —

Partie 6: Estimation des erreurs dans le calcul des éléments associés gaussiens

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 10360-6:2001 was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

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In the next to last row of Table 3, change r_1 to r_2. In the last row of Table 3, change r_2 to r_1.

Page 14, Annex A

In Table A.3, in the part of the table relating to cone, replace $5 \leqslant \xi \leqslant \frac{1}{2\tan\frac{\psi}{2}}$ with $4 \leqslant \xi \leqslant \frac{1}{2\tan\frac{\psi}{2}}$.

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Page 14, Annex A

In Table A.3, replace the Torus section with the following:

Torus	—	$\xi = r_2 / r_1$
	FM, FI	$\frac{1}{10} \leqslant \xi \leqslant \frac{9}{10}$ $\pi\,\text{rad} \leqslant \theta \leqslant 2\pi\,\text{rad}$ $\frac{1}{2}\pi\,\text{rad} \leqslant \phi \leqslant \frac{3}{2}\pi\,\text{rad}$
	PM, PI	$\frac{1}{10} \leqslant \xi \leqslant \frac{9}{10}$ $\frac{\pi}{2}\,\text{rad} \leqslant \theta \leqslant \pi\,\text{rad}$ $\frac{3}{4}\pi\,\text{rad} \leqslant \phi \leqslant \frac{5}{4}\pi\,\text{rad}$

Page 15, Annex A

In the second sentence of the first paragraph of A.4, interchange 10^{-4} with 10^{-3}, to give the following:

> "The maximum form deviation of the sampled points ζ [see A.2, h] is 10^{-3} for reference data set types (FM, PM) and 10^{-4} for reference data set types (FI, PI), respectively, multiplied by the extent size."

Page 15, Annex A

Replace the second paragraph of A.5 with the following:

> "A nominal sampling point shall be generated at random in each subset and shall then be projected onto the deformed extent, normally to the nominal extent, by taking the same value(s) of the linear (1D) or real (2D) coordinate(s) of the nominal sampling points in the deformed extent."

Page 16, Annex A

In Table A.5:

1) Change superscript [b] to [c] at the end of the specification for torus and at the bottom of the table.

2) Change superscript [a] to [b] at the end of the specification for cone and at the bottom of the table.

3) Add a superscript [a] to the end of the specification for the sphere and add a note to the bottom of Table A.5 with superscript [a] saying: "The use of the linear coordinate z instead of the angular (θ,φ) avoids oversampling near the poles and provides patches of equal area."

Page 17, Annex A

In Table A.6, replace 10 with: "The lesser of 10 µm and the maximum form error size of the feature."