

DIN 878

**DIN**

ICS 17.040.30

Together with  
DIN EN ISO 463:2006-06,  
supersedes  
DIN 878:1983-10

**Geometrical product specifications (GPS) –  
Mechanical dial gauges –  
Limits for metrological characteristics**

Geometrische Produktspezifikation (GPS) –  
Mechanische Messuhren –  
Grenzwerte für messtechnische Merkmale

Document comprises 3 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original should be consulted as the authoritative text.



## Foreword

This standard has been prepared by Technical Committee NA 152-03-07-02 *Eindimensionale Längenprüftechnik* of the *Normenausschuss Technische Grundlagen* (Fundamentals in Technology Standards Committee).

DIN 878:1983-10 has been fully revised to reflect the publication of DIN EN ISO 463:2006, the latter being a framework standard that defines the most important design and metrological characteristics of mechanical dial gauges but does not specify numerical values for the metrological characteristics; Germany had been against the decision to delete these values.

This new edition of DIN 878 has been published to ensure German industry continues to have access to the limit values of metrological characteristics.

## Amendments

This standard differs from DIN 878:1983-10 as follows.

- a) Only numerical values for limits of metrological characteristics are specified.
- b) The title has been changed to reflect the content.
- c) The standard has been editorially revised.

## Previous editions

DIN 878-1: 1941-02, 1943-08, 1959-06

DIN 878-2: 1955-12

DIN 878: 1970-06, 1979-01, 1983-10

## 1 Scope

This standard applies to mechanical gauges as in DIN EN ISO 463 having scale intervals of 0,01 mm and a measuring range of 0,4 mm; 0,8 mm; 3 mm; 5 mm and 10 mm. It specifies the numerical values for limits of metrological characteristics.

This standard does not cover waterproof or watertight mechanical gauges, which are subject to special requirements.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN EN ISO 1, *Geometrical product specifications (GPS) — Standard reference temperature for geometrical product specifications and verification*

DIN EN ISO 463, *Geometrical Product Specifications (GPS) — Dimensional measuring equipment — Design and metrological characteristics of mechanical dial gauges*