

DIN EN ISO 286-1:2019-09 (E)

Geometrical product specifications (GPS) - ISO code system for tolerance s on linear sizes - Part 1: Basis of tolerances, deviations and fits (ISO 286-1:2010 + Cor 1:2013) (includes Corrigendum :2013)

Contents

Page

Foreword	3
☐AC☐ European Foreword to Corrigendum ☐AC☐.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
3.1 Basic terminology	7
3.2 Terminology related to tolerances and deviations.....	7
3.3 Terminology related to fits.....	10
3.4 Terminology related to the ISO fit system	14
4 ISO code system for tolerances on linear sizes.....	16
4.1 Basic concepts and designations	16
4.2 Designation of the tolerance class (writing rules)	18
4.3 Determination of the limit deviations (reading rules).....	19
4.4 Selection of tolerance classes	31
5 ISO fit system	31
5.1 General.....	31
5.2 Generics of fits.....	32
5.3 Determination of a fit	32
Annex A (informative) Further information about the ISO system of limits and fits and former practice	34
Annex B (informative) Examples of the use of ISO 286-1 to determine fits and tolerance classes.....	36
Annex C (informative) Relationship to the GPS matrix model.....	41
Bibliography.....	43