

DIN EN ISO 286-1:2010-11 (E)

Geometrical product specification (GPS) - ISO code system for tolerances on linear sizes - Part 1: Basis of tolerances, deviations and fits (ISO 286-1:2010)

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
3.1 Basic terminology	6
3.2 Terminology related to tolerances and deviations	6
3.3 Terminology related to fits	9
3.4 Terminology related to the ISO fit system	13
4 ISO code system for tolerances on linear sizes	15
4.1 Basic concepts and designations	15
4.2 Designation of the tolerance class (writing rules)	17
4.3 Determination of the limit deviations (reading rules)	18
4.4 Selection of tolerance classes	30
5 ISO fit system	30
5.1 General	30
5.2 Generics of fits	31
5.3 Determination of a fit	31
Annex A (informative) Further information about the ISO system of limits and fits and former practice	33
Annex B (informative) Examples of the use of ISO 286-1 to determine fits and tolerance classes	35
Annex C (informative) Relationship to the GPS matrix model	40
Bibliography	42