

ISO 286-1:2010-04 (E)

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

| Contents | | Page |
|--|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 3.1 | Basic terminology | 2 |
| 3.2 | Terminology related to tolerances and deviations | 2 |
| 3.3 | Terminology related to fits | 5 |
| 3.4 | Terminology related to the ISO fit system | 9 |
| 4 | ISO code system for tolerances on linear sizes | 11 |
| 4.1 | Basic concepts and designations | 11 |
| 4.2 | Designation of the tolerance class (writing rules) | 13 |
| 4.3 | Determination of the limit deviations (reading rules) | 14 |
| 4.4 | Selection of tolerance classes | 26 |
| 5 | ISO fit system | 26 |
| 5.1 | General | 26 |
| 5.2 | Generics of fits | 27 |
| 5.3 | Determination of a fit | 27 |
| Annex A (informative) Further information about the ISO system of limits and fits and former practice | | 29 |
| Annex C (informative) Relationship to the GPS matrix model | | 36 |
| Bibliography | | 38 |