

ISO 8062-3:2007-06 (E)

Geometrical product specifications (GPS) - Dimensional and geometrical tolerances for moulded parts - Part 3: General dimensional and geometrical tolerances and machining allowances for castings

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviated terms	2
5 Tolerance grades	3
5.1 General	3
5.2 Dimensional casting tolerance grades (DCTG)	3
5.3 Geometrical casting tolerance grades (GCTG)	4
6 Surface mismatch (SMI)	7
7 Wall thickness	7
8 Required machining allowances (RMA)	7
8.1 General	7
8.2 Required machining allowance grades (RMAG)	8
9 Indication on drawings	8
9.1 Indication of general dimensional casting tolerances	8
9.2 Indication of required machining allowances	9
9.3 Indication of geometrical casting tolerances	9
10 Rejection	10
Annex A (informative) Casting tolerances and geometrical tolerances	11
Annex B (informative) Required machining allowance grades (RMAG)	14
Annex C (informative) Concept of general tolerancing of characteristics	15
Annex D (informative) Datums for general geometrical tolerances	17
Annex E (informative) Application of general geometrical tolerances for castings	21
Annex F (informative) Relation to the GPS matrix model	29
Bibliography	30