

DIN EN ISO 5459:2011-12 (E)

Geometrical product specifications (GPS) - Geometrical tolerancing - Datums and datum systems (ISO 5459:2011)

Contents		Page
Foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		6
4 Symbols		10
5 Role of datums		11
6 General concepts		13
6.1 General		13
6.2 Intrinsic characteristics of surfaces associated with datum features		14
6.2.1 General		14
6.2.2 A single datum established from a single feature		14
6.2.3 Common datum established from two or more single features simultaneously		14
6.2.4 Datum systems established in a defined sequence from two or more single features		16
6.3 Single datums, common datums and datum systems		16
6.3.1 General		16
6.3.2 Single datums		16
6.3.3 Common datums		18
6.3.4 Datum systems		18
7 Graphical language		21
7.1 General		21
7.2 Indication of datum features		21
7.2.1 Datum feature indicator		21
7.2.2 Datum feature identifier		22
7.2.3 Datum targets		22
7.3 Specification of datums and datum systems		25
7.4 Indication and meaning of rules		25
7.4.1 General		25
7.4.2 Rules		26
Annex A (normative) Association for datums		
Annex B (informative) Invariance classes		51
Annex C (informative) Examples		53
Annex D (informative) Former practices		75
Annex E (informative) Examples of a datum system or a common datum established with contacting features		77
Annex F (normative) Relations and dimensions of graphical symbols		83
Annex G (informative) Relationship to the GPS matrix model		84
Bibliography		85