

DIN EN ISO 5010:2021-11 (E)

Earth-moving machinery - Wheeled machines - Steering requirements (ISO 5010:2019)

Contents		Page
European foreword		3
Annex ZA (Informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC machinery, and amending Directive 95/16/EC (recast) [2006 L157] aimed to be covered		4
Foreword		6
Introduction		7
1	Scope	8
2	Normative references	8
3	Terms and definitions	8
4	General requirements	11
4.1	General	11
4.2	Required steering systems	12
4.3	All steering systems	12
4.4	Tests with all steering systems	13
4.5	Primary steering system	14
4.6	Secondary steering system	14
4.7	Powered steering system	14
4.8	Steering systems with principal and alternative steering control elements	15
4.9	Ergonomic requirements	15
5	Steering test course	16
6	Machinery specifications for test	17
7	Wheel circle test procedure	18
8	Steering tests	18
8.1	Tests with primary steering system	18
8.2	Tests with secondary steering system	19
8.3	Steering test with alternative steering control elements	21
9	Test report	22
10	Information for use	23
10.1	General	23
10.2	Instruction handbook	23
10.2.1	Machinery equipped with powered steering system	23
10.2.2	Machinery equipped with secondary steering system	24
10.2.3	Machinery equipped with steering systems with alternative steering control element with a controlled or limited speed range	24
Bibliography		25