

DIN EN 16241:2017-01 (E)

Railway applications - Slack adjuster (includes Amendment :2016)

Contents		Page
	European foreword	4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Design and manufacture	6
4.1	Requirements	6
4.1.1	General	6
4.1.2	Maintenance of block to tread clearance	6
4.1.3	Take up	6
4.1.4	Pay out	6
4.1.5	Shock and Vibration	7
4.1.6	Space envelope	7
4.1.7	Maximum load absorption	9
4.2	Service life	9
4.3	Ambient temperature	10
4.4	Other environmental conditions	10
4.4.1	General	10
4.4.2	Humidity	10
4.4.3	Rain	10
4.4.4	Snow, ice and hail	11
4.4.5	Solar radiation	11
4.4.6	Resistance to pollution	11
4.5	External appearance	11
5	Materials	11
6	Type test methods	12
6.1	Sampling for type test	12
6.2	Test requirements	12
6.3	Test procedure	12
6.3.1	Principle	12
6.3.2	Check of physical and geometrical characteristics	12
6.3.3	Operation	12
6.3.4	Operation at extreme temperatures	14
6.3.5	Maximum load absorption	14
6.3.6	Life test	14
6.4	Approval validity	15
6.5	Test Report	15
7	Routine test	15
8	In-Service assessment	15
9	Designation	16
10	Identification and marking	16
	Annex A (informative) In-service trial	17

A.1	General	17
A.2	Test set-up and sampling	17
A.3	Procedure	17
A.4	Pass/fail criteria	17
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC		18
Bibliography		20