

DIN EN 15528:2022-02 (E)

Railway applications - Line categories for managing the interface between load limits of vehicles and infrastructure

Contents		Page
European foreword		3
Introduction		4
1 Scope		5
2 Normative references		6
3 Terms, definitions, symbols and abbreviated terms		6
4 Classification system		10
5 Classification of infrastructure		12
6 Categorization of vehicles		14
7 Static compatibility of the interface between vehicle and infrastructure		22
Annex A (normative) Reference wagons and load models representing the line categories		24
Annex B (informative) Flow chart: Classification of infrastructure and categorization of vehicles		29
Annex C (informative) Speeds which do not require dynamic compatibility checks		30
Annex D (informative) Methods used to determine the load carrying capacity of existing structures		32
Annex E (informative) Application of line classification result		33
Annex F (informative) Comparison of RA classification with line categories		35
Annex G (informative) Example of calculation methodology		36
Annex H (informative) Maximum permissible axle load P - Wagons with two 2-axle bogies		42
Annex I (informative) Maximum permissible axle load P - Wagons with two 3-axle bogies		45
Annex J (informative) Line categories of 6-axle locomotives		48
Annex K (informative) L4 locomotive classes (4-axle locomotives)		49
Annex L (informative) L6 locomotive classes (6-axle locomotives)		50
Annex M (informative) Weight note for locomotives		52
Annex N (informative) Geometric train parameters		55
Annex O (informative) Categorization of MUs by parameter check Identification of line category by maximum axle load		57
Annex P (informative) Guidance for tabling light rail MUs into line category a10, a12 or a14		64
Bibliography		73