

DIN EN 16116-1:2022-09 (E)

Railway applications - Design requirements for steps, handrails and associated access for staff - Part 1: Passenger vehicles, vans and locomotives

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	General requirements for steps and handrails	7
5	Requirements for handling screw couplings with side buffers	8
5.1	General	8
5.2	Shunter's stand	9
5.3	Steps	10
5.3.1	Shunter's step	10
5.3.2	Steps at corners of shunting powered units	10
5.4	Handrails	10
5.4.1	Shunter handrail	10
5.4.2	Handrails corresponding to shunter's stand	11
5.4.3	Handrails for steps at corners of shunting powered units	11
5.5	Transverse platform for shunting powered units	11
6	Reserved spaces	12
6.1	General	12
6.2	Space for shunting staff operation	12
6.2.1	Space for shunter during coupling	12
6.2.2	Space for the shunter during temporary travel	12
6.2.3	Clearance around draw hook	13
7	External access to driving vehicles	13
7.1	General	13
7.2	Steps	14
7.3	Handrails and door handles	16
7.4	Additional requirements for passenger entrance doors used for access to driver's cab	16
8	Access to other equipment	17
8.1	General	17
8.2	Steps	17
8.3	Handrails	17
Annex A (informative) Gratings		18
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive (EU) 2016/797 aimed to be covered		20
Bibliography		22