

DIN EN 13715:2020-10 (E)

Railway applications - Wheelsets and bogies - Wheels - Tread profile

Contents		Page
European foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 General		6
5 Definition of the tread profile		6
6 Symbols and abbreviations		7
7 Construction method		9
7.1 Definition of the axes		9
7.2 Base profile		9
7.3 Profile construction		9
8 Geometric characteristics		14
8.1 R20,5 connecting radius		14
8.2 RE and RI 12 mm connecting radii		14
8.3 Rfa connecting radius		14
8.4 R13 connecting radius		14
8.5 Wheel tread		14
8.6 Reverse slope - Chamfer		14
9 Profile designation		14
10 Verification of the wheel profile		15
Annex A(normative) Flange		16
A.1 Definition of the flange		16
A.2 Flange geometry		17
Annex B(normative) 1/40th profile		18
B.1 Complete reference profile: construction with a 32,5 mm thick flange and 15 % reverse slope		18
B.2 Profile construction: specific zones		18
Annex C(normative) S1002 profile		20
C.1 Complete reference profile: construction with 32,5 mm thick flange and 6,7 % reverse slope		20
C.2 Profile construction: specific zones		20
Annex D(normative) EPS profile		25

D.1	Complete reference profile: construction with 32,5 mm thick flange and 10 % reverse slope	25
D.2	Profile construction: specific zones	25
Annex ZA(informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2016/797/EU aimed to be covered		28
Bibliography		31