

DIN EN 12767:2019-10 (E)

Passive safety of support structures for road equipment - Requirements and test methods

Contents	Page
European foreword	4
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Symbols and abbreviations	10
5 General test parameters	11
5.1 Test site	11
5.2 Backfill	11
5.3 Test vehicle	12
6 General test item parameters	13
6.1 General test item documentation	13
6.2 Test item selection	13
7 Test method	15
7.1 General	15
7.2 Impact angle	15
7.3 Impact point	15
7.4 Impact speed	21
7.5 Simplified test method for non-harmful support structures	21
8 Impact data measurement	22
8.1 General	22
8.2 Impact data to be recorded	22
8.3 Test item behaviour	23
8.4 Vehicle behaviour	24
8.5 Impact severity indexes	24
8.6 Photographic coverage	24
9 Test report	25
9.1 General	25
9.2 Test data decimal rounding	25
Annex A (normative) Data evaluation	27
Annex B (normative) Backfill requirements	32
Annex C (informative) Push / pull test	35
Annex D (normative) Vehicle data	36
Annex E (normative) Vehicle calibration	38
Annex F (informative) Bogie vehicle	40

Annex G (normative) Product families	41
Annex H (normative) Changed versions	44
Annex I (normative) Determining the speed and mass of the falling support	45
Annex J (informative) Test report	46
Annex K (normative) Deemed to comply	52
Annex L (normative) Use of test results performed in accordance with previous versions of Annex M (normative) Virtual testing	55
Bibliography	69