

DIN EN 1176 Beiblatt 1:2020-12 (E)

Playground equipment and surfacing - Safety requirements and test methods; Supplement 1: Explanations

Contents	Page
Foreword	4
1 General	6
2 Normative references	8
3 Explanatory information relating to DIN EN 1176-1:2017-12, Playground equipment and surfacing — Part 1: General safety requirements and test methods.....	8
3.1 Re Introduction.....	8
3.2 Re 3.32: adequate level of impact attenuation	8
3.3 Re 4.2.3: Accessibility for adults.....	9
3.4 Re 4.2.7.1: General	9
3.5 Re 4.2.7.3: Entrapment of clothing/hair	9
3.6 Re 4.2.7.6: Entrapment of fingers.....	9
3.7 Re 4.2.8.1: Determination of free height of fall.....	9
3.8 Re 4.2.8.2.4: Extent of the impact area and re 4.2.8.2.5: Extent of the falling space	9
3.9 Re 4.2.8.4: Protection against injuries in the falling space	10
3.10 Re 4.2.8.5.2, first sentence:.....	10
3.11 Re 4.2.8.5.2, second sentence:.....	11
3.12 Re 4.2.8.5.2, Table 4: Examples of commonly used impact attenuating materials, depths and corresponding maximum free heights of fall.....	11
3.13 Re 4.2.11: Consumable components (wear and tear).....	11
3.14 Re Annex F	11
3.15 Re Annex H: Procedure for confirming the adequate level of impact attenuation after installation of impact attenuating surfacing	11
3.16 Re Annex E: Overview of possible entrapment situations	12
3.17 Re Annex I:.....	12
4 Explanatory information relating to DIN EN 1176-2:2020-04, Playground equipment and surfacing — Part 2: Additional specific safety requirements and test methods for swings	12
4.1 Additional information regarding nest swings.....	12
4.2 Re 4.10.1: Free height of fall	13
4.3 Re 4.10.2: Dimensions of falling space and impact area.....	13
5 Explanatory information relating to DIN EN 1176-3:2017-12, Playground equipment and surfacing — Part 3: Additional specific safety requirements and test methods for slides.....	13
5.1 Re 3.1: Slide	13
6 Explanatory information relating to DIN EN 1176-4:2019-05, Playground equipment and surfacing — Part 4: Additional specific safety requirements and test methods for cableways.....	14
6.1 Re 4.3: Calculation of forces acting on the cable of a cableway	14
6.2 Re 4.12: Ground clearance	14
7 Explanatory information relating to DIN EN 1176-5:2019-12, Playground equipment and surfacing — Part 5: Additional specific safety requirements and test methods for carousels	14
7.1 Re 1: Scope.....	14

8	Explanatory information relating to DIN EN 1176-6:2019-05, Playground equipment and surfacing — Part 6: Additional specific safety requirements and test methods for rocking equipment.....	14
8.1	Re 4.5: Restraint of motion.....	14
9	Explanatory information relating to DIN EN 1176-7:2020-06, Playground equipment and surfacing — Part 7: Guidance on installation, inspection, maintenance and operation	15
9.1	General.....	15
9.2	Re Scope.....	15
9.3	Re 3.6 safe and 3.7 safety	15
9.4	Re 6.1 Note 6, last sentence	15
9.5	Re 6.2.2: Personnel performing the inspection	15
9.6	Re 7.1, paragraph 1.....	15
10	Explanatory information relating to DIN EN 1176-10:2008-10, Playground equipment and surfacing — Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment	16
10.1	General.....	16
10.2	Impact attenuation, protection against impact and falls.....	16
10.3	Visibility, escape and rescue routes	16
11	Explanatory information relating to DIN EN 1176-11:2014-11, Playground equipment and surfacing — Part 11: Additional specific safety requirements and test methods for spatial network.....	16
11.1	General.....	16
11.2	Technical facts.....	17
12	Dimensions for safety and protection in accordance with DIN EN 1176.....	17
	Index of terms used in DIN EN 1176 series and DIN EN 1176 Supplement 1.....	21
	Bibliography	33