

DIN EN 1263-1:2015-03 (E)

Temporary works equipment - Safety nets - Part 1: Safety requirements, test methods

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Symbols and terms and definitions	6
3.1	Symbols	6
3.2	Terms and definitions	8
4	Classification	9
4.1	Nets	9
4.2	Safety nets	9
4.3	Ropes	12
5	Designation	14
5.1	Safety net	14
5.2	Rope	14
6	Requirements	14
6.1	Construction	14
6.2	Tensile strength of ropes	16
6.3	Energy absorption capacity of the test mesh	16
6.4	Static strength of a net sample	16
6.5	Dynamic strength of safety net System S (net with border rope)	17
6.6	Dynamic strength of safety net System T (net attached on brackets for horizontal use)	17
6.7	Dynamic strength of safety net System U (net attached to supporting construction for vertical use)	17
6.8	Dynamic strength of safety net System V (net with border rope attached to a gallow type support)	17
7	Test methods	17
7.1	General	17
7.2	Dimensional inspection of the mesh size	18
7.3	Test method for mesh rope	19
7.4	Test for the static strength of nets	21
7.5	Test for the breaking load of border-, tie- and coupling ropes	23
7.6	Test for the energy absorption capacity of the net mesh	23
7.7	Natural ageing test	23
7.8	Artificial ageing test	26
7.9	Testing the dynamic strength of safety nets System S (net with border ropes)	31
7.10	Testing the dynamic strength of safety nets System T (nets attached on brackets for horizontal use)	32
7.11	Testing the dynamic strength of safety nets System U (net attached to supporting framework for vertical use)	35
7.12	Testing the dynamic strength of safety nets System V (net with border rope attached to a gallow type support)	36
7.13	Test report	37
8	Marking and labelling	38

9	Handling instructions	38
10	Conformity	38
	Annex A (informative) Prototype assessment	39
	Annex B (informative) On-going production inspection	40
B.1	On-going production inspection	40
B.2	Annual inspection of test mesh	41
	Bibliography	42