

DIN 18008-3:2013-07 (E)

Glass in Building - Design and construction rules - Part 3:Point fixed glazing

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions, symbols and units	5
3.1	Terms and definitions	5
3.2	Symbols and units	5
4	Construction products	5
5	Conditions of application and design	5
6	Additional stipulations for horizontal glazing	8
6.1	Support by plate-type fastening	8
6.2	Combination of support types	9
6.3	Linear supports with point-fixed clamping	9
7	Additional stipulations for vertical glazing	9
8	Exposure to stress and proofs of resistance	10
Annex A (informative) Materials		11
A.1	General	11
A.2	Material-related calculation parameters	11
Annex B (informative) Verifications carried out in the drill hole area using Finite Element models ...		12
B.1	General	12
B.2	Discretization in the drill hole area	12
Annex C (informative) Simplified procedure for proof of load-bearing capacity and serviceability of point-supported glazing		14
C.1	General	14
C.2	Formula Symbols	14
C.3	Verification of load-bearing capacity in ultimate limit state (ULS)	15
C.3.1	Verification in point-fastening area	15
C.3.2	Verification at span centre	17
C.3.3	Calculation for laminated safety glass	17
C.4	Verification of serviceability in serviceability limit state (SLS)	17
Annex D (normative) Testing and verification for glass holders and intermediate materials ("Test specifications for point fastenings")		18
D.1	General	18
D.2	Formula symbols	18
D.3	Determination of load-bearing capacity	19
D.4	Determining the serviceability limit state	20
D.5	Determining stiffness values	20
D.6	Documentation	21
Bibliography		23