

DIN EN 15882-2:2023-02 (E)

Extended application of results from fire resistance tests for service installations - Part 2: Fire dampers

Contents		Page
European foreword		3
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Test requirements for assessment of design changes and modification of the manufacturing process	7
4.1	General	7
4.2	Design and manufacturing changes	7
4.2.1	Pre-test	7
4.2.2	Fire test	8
4.2.3	Extended field of application	8
4.3	Actuators, remote triggering devices, actuating mechanisms, fusible links and sensing elements	8
4.3.1	Actuators	8
4.3.2	Actuators with an associated thermal element device that controls the action of the actuator to close the fire damper in the event of fire	9
4.3.3	Remote triggering device (e.g. magnet)	10
4.3.4	Actuating mechanism	10
4.3.5	Fusible links and elements (not associated with the actuator supplier)	11
5	Determination of worst case	12
6	Conditions and application rules	13
6.1	Change of fixing damper to supporting construction	13
6.2	Multiple damper assemblies	13
6.2.1	E Classification only	13
6.2.2	EI, E-S, EI-S classifications	15
6.2.3	Field of application	15
6.3	Alternative penetration seals	16
7	Influence of parameters and factors on fire damper performance	16
8	Critical parameters and factors	16
8.1	General	16
8.2	Common operational parameters and factors	17
9	Constructional parameters	17
9.1	General	17
9.2	Parameters of components of damper	18
9.3	Parameters for installation	19
10	Methodology	19
11	Extended field of application report	42
Bibliography		45