

Test equipment of section “structures and structural members for fire protection”

Test equipment	max. dimensions [m]	Tests can be conducted on
Vertical furnaces	w x h ≤ 4,0 m x 4,0 m (without load) w x h ≤ 3,0 m x 3,0 m (with load)	Walls / gates / doors / barriers / glazing systems / fire dampers
Vertical furnace	w x h ≤ 5,5 m x 5,2 m (without load)	Facades / walls / gates / doors / barriers / glazing systems / fire dampers
Vertical furnace	l x w x h ≤ 3,6 m x 3,6 m x 7,0 m (with and without load)	Columns / frames / cabinets / walls / gates / doors / glazing systems / fire dampers
Horizontal furnaces	l x w x h ≤ 10,0 m x 4,0 m x 3,0 m (with and without load)	Floors / grids / floors from above / compartments / hinged doors / cable systems / barriers / glazing systems / false floors / natural smoke ventilators
Vertical / horizontal furnace	Floor opening w x l = 1,0 m x 1,5 m 2 wall openings w x h = 0,7 m x 1,1 m	Basic orientation tests, small fire tests, fittings active anchor test 4 x 45 kN
Test stands (continuous duty tests)	w x h ≤ 5,5 m x 5,4 m	Doors / gates / curtains / hinged doors / fittings (e. g. locks, hinges, closing devices, handles)
Special test stand	w x h ≤ 35,0 m x 9,0 m	Gates, curtains
Test stand smoke control system	w x h = 5,5 m x 5,4 m	Doors / gates / hinged doors / walls
Vertical /horizontal furnace	l x w x h ≤ 12,0 m x 4,0 m x 4,0 m	mechanical smoke extraction, fans, fire dampers, ducts

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