

DIN EN 1507:2006-07 (E)

Ventilation for buildings - Sheet metal air ducts with rectangular section - Requirements for strength and leakage

Contents		Page
Foreword		4
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms, definition and symbols	7
4	Requirements	9
4.1	Leakage	9
4.2	Deformation	9
4.3	Deflection of a duct	9
4.4	Deflection of a joint	9
4.5	Bulging and/or caving	9
5	Testing	9
5.1	Test rig specification	9
5.2	Leakage testing	9
5.2.1	Test object	9
5.2.2	Test procedure	10
5.2.3	Correction of leakage test result	10
5.3	Strength testing	10
5.3.1	Test object	10
5.3.2	Test procedure	10
5.3.3	Determination of deflection of a duct	10
5.3.4	Determination of deflection of a joint	10
5.3.5	Determination of bulging and/or caving	10
6	Measurement accuracy and test reports	11
6.1	Measurement accuracy requirements	11
6.1.1	General requirements	11
6.1.2	Air flow measurement	11
6.1.3	Differential pressure measurement	11
6.1.4	Barometric pressure	11
6.1.5	Temperature measurement	11
6.1.6	Deflection, bulging or carving	11
6.2	Leakage test report	11
6.2.1	General data	11
6.2.2	Test result	12
6.3	Strength test report	12
6.3.1	General data	12
6.3.2	Test result	12
Bibliography		16