

## Heating, ventilation and sanitation systems: Metalwork, pipe suspension – type solutions

### Scope

SSG 3708E comprises recommendations and type solutions for the suspension and assembly of piping and ventilation ducts. For an overall guideline in selecting piping suspensions, see [SSG 7000E – Anchorages and supports – design recommendations for pipelines](#).

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### 1 General requirements

#### General:

- Metalwork for the suspension or piping and ventilation ducts shall be coordinated with other installations.
- Fastening of metalwork shall be coordinated with the person responsible for the building construction.
- Locking nuts shall be used within electrical areas.
- All open profile ends shall be fitted with plastic plugs as an impact safety measure.

#### Piping:

- Metalwork for piping dimensions shall be carried out in accordance with SSG's standard for piping suspension. The same applies to piping within process premises and pipe ways/pipe bridges.
- Piping suspension shall be designed so that no load is brought to bear on pipe connections at, for example, batteries and pumps.

#### Ventilation:

- Smaller ventilation units shall be placed on racks min height  $h_{\min} = 300 \text{ mm}$ .
- Max length of primary metalwork approx 1.0 m after which side supports, or alternatively a space frame, must be used to prevent pendulum effect.