

# Datasheet

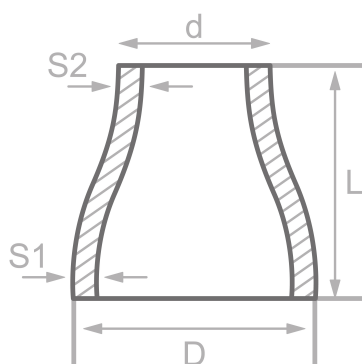
## Description

Conc. red., DIN2616/EN10253-1  
S235JR, certificate 3.1

## Main data

609.60 x 6.30 / 323.90 x 6.30

|    |           |
|----|-----------|
| D  | 609.60 mm |
| S1 | 6.30 mm   |
| d  | 323.90 mm |
| S2 | 6.30 mm   |
| L  | 508.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: S235JR

Mat. grade: 1.0038

| C    | Si | Mn   | P     | S     | Cr | Cu   | Mo | Nb | Ni | Ti | V | Others |
|------|----|------|-------|-------|----|------|----|----|----|----|---|--------|
| 0.17 |    | 1.40 | 0.035 | 0.035 |    | 0.55 |    |    |    |    |   | N      |

## Mechanical properties

Short name: S235JR

Mat. grade: 1.0038

| Upper yield strength reH or Rp0.2 min<br>for wallthicknesses T in mm, N/mm2 at room temperature |          | Tensile strength Rm for wallthickn. T<br>in mm, N/mm2 at room temperature |          | Elongation A at room-<br>temperature, min.% |         | Min. impact energy<br>KV in J |         |
|-------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------|----------|---------------------------------------------|---------|-------------------------------|---------|
| T<=16                                                                                           | 16<T<=60 | T<=16                                                                     | 16<T<=60 | Longit.                                     | Transv. | Longit.                       | Transv. |
| 235                                                                                             | 225      | 360-510                                                                   | 360-510  | 24                                          | 22      |                               | 27      |

Sources: EN 10253, DIN 17175, DIN 2528, DIN 1629, Stahlschlüssel, ASTM