

# Datasheet

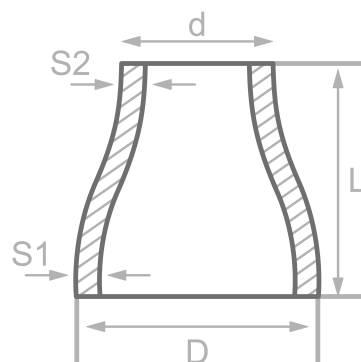
## Description

Conc. red., DIN2616/EN10253-1  
S235, certificate 2.2

## Main data

114.30 x 3.60 / 70.00 x 2.90

|    |           |
|----|-----------|
| D  | 114.30 mm |
| S1 | 3.60 mm   |
| d  | 70.00 mm  |
| S2 | 2.90 mm   |
| L  | 128.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: S235

Mat. grade: 1.0037

| C    | Si | Mn   | P     | S     | Cr | Cu | Mo | Nb | Ni | Ti | V | Others |
|------|----|------|-------|-------|----|----|----|----|----|----|---|--------|
| 0.17 |    | 1.40 | 0.045 | 0.045 |    |    |    |    |    |    |   | N      |

## Mechanical properties

Short name: S235

Mat. grade: 1.0037

| 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      | 360-500                                                                   | 360-500  | 25                                          | 25      |                               |         |

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