

# Datasheet

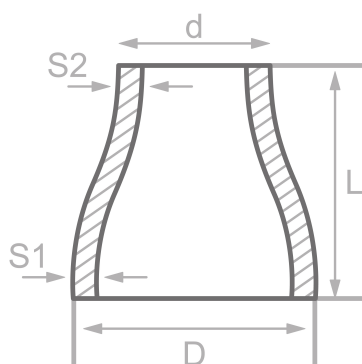
## Description

Conc. red., DIN2616/EN10253-2-B  
St35.8/I, certificate ohne

## Main data

42.40 x 2.60 / 21.30 x 2.00 mm

|    |          |
|----|----------|
| D  | 42.40 mm |
| S1 | 2.60 mm  |
| d  | 21.30 mm |
| S2 | 2.00 mm  |
| L  | 50.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: St35.8/I

Mat. grade: 1.0305

| C    | Si   | Mn   | P     | S     | Cr | Cu | Mo | Nb | Ni | Ti | V | Others |
|------|------|------|-------|-------|----|----|----|----|----|----|---|--------|
| 0.17 | 0.35 | 0.80 | 0.040 | 0.040 |    |    |    |    |    |    |   |        |

## Mechanical properties

Short name: St35.8/I

Mat. grade: 1.0305

| 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      | 360-480                                                                   | 360-480  | 25                                          | 23      |                               | 34      |

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