

# Datasheet

## Description

Conc. red., DIN2616/EN10253-2-B  
P235GH, certificate 3.1

## Main data

273.00 x 5.00 / 219.10 x 4.50

|    |           |
|----|-----------|
| D  | 273.00 mm |
| S1 | 5.00 mm   |
| d  | 219.10 mm |
| S2 | 4.50 mm   |
| L  | 178.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: P235GH

Mat. grade: 1.0345

| C    | Si   | Mn   | P     | S     | Cr   | Cu   | Mo   | Nb   | Ni   | Ti   | V    | Others |
|------|------|------|-------|-------|------|------|------|------|------|------|------|--------|
| 0.16 | 0.35 | 1.20 | 0.025 | 0.020 | 0.30 | 0.30 | 0.08 | 0.01 | 0.30 | 0.04 | 0.02 | Al     |

## Mechanical properties

Short name: P235GH

Mat. grade: 1.0345

| 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                                          | 23      | 40                            | 27      |

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