

# Datasheet

## Description

Ecc. red., DIN2616/EN10253-2-A  
P235GH, certificate 3.1

## Main data

323.90 x 7.10 / 273.00 x 6.30

|    |           |
|----|-----------|
| D  | 323.90 mm |
| S1 | 7.10 mm   |
| d  | 273.00 mm |
| S2 | 6.30 mm   |
| L  | 203.00 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

