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# Datasheet

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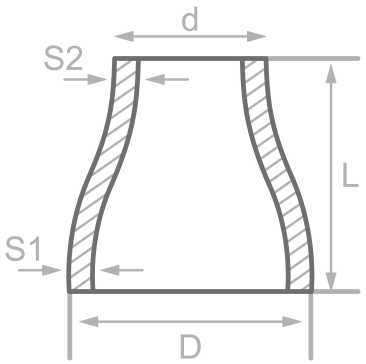
## Description

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

## Main data

60.30 x 3.60 / 33.70 x 3.20 mm

| | |
|---|---|
| D | 60.30 mm |
| S1 | 3.60 mm |
| d | 33.70 mm |
| S2 | 3.20 mm |
| L | 76.00 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 for wallthicknesses T in mm, N/mm2 at room temperature | | Tensile strength Rm for wallthickn. T in mm, N/mm2 at room temperature | | Elongation A at room-temperature, min.% | | Min. impact energy 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

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