

# Datasheet

## Description

Elbows, DIN2605/EN10253-2-A-3D-90°  
P355NH, certificate 3.1

## Main data

Type 3/LR, 90°, 76.10 x 5.60

|   |          |
|---|----------|
| D | 76.10 mm |
| S | 5.60 mm  |
| r | 95.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: P355NH

Mat. grade: 1.0565

| C    | Si   | Mn   | P     | S     | Cr   | Cu   | Mo   | Nb   | Ni   | Ti   | V    | Others |
|------|------|------|-------|-------|------|------|------|------|------|------|------|--------|
| 0.18 | 0.50 | 1.70 | 0.025 | 0.010 | 0.30 | 0.30 | 0.08 | 0.05 | 0.50 | 0.03 | 0.10 | Al, N  |

## Mechanical properties

Short name: P355NH

Mat. grade: 1.0565

| 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. |
| 355                                                                                             | 345         | 490-650                                                                   | 490-630     | 22                                           | 20      | 55                            | 39      |

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