

# Datasheet

## Description

Elbows, DIN2605/EN10253-2-A-3D-45°  
ST37.0, certificate 3.1

## Main data

Type 3/LR, 45°, 406.40 x 8.80

|   |           |
|---|-----------|
| D | 406.40 mm |
| S | 8.80 mm   |
| r | 0.00 mm   |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: ST37.0

Mat. grade: 1.0254

| 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 |        |

## Mechanical properties

Short name: ST37.0

Mat. grade: 1.0254

| 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      | 350-480                                                                   | 350-480  | 25                                          | 23      |                               |         |

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