

# Datasheet

## Description

Loose Fl., DIN2642-F/EN1092-1-02-A  
PN25,S235JR+N, certificate 3.1

## Main data

DN 32/ 38.00 mm

|    |              |
|----|--------------|
| D  | 140.00 mm    |
| H2 | 16.00 mm     |
| L  | 4 x 18.00 mm |



## Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: S235JR+N

Mat. grade: 1.0038

| C    | Si | Mn   | P     | S     | Cr | Cu   | Mo | Nb | Ni | Ti | V | Others |
|------|----|------|-------|-------|----|------|----|----|----|----|---|--------|
| 0.17 |    | 1.40 | 0.035 | 0.035 |    | 0.55 |    |    |    |    |   | N      |

## Mechanical properties

Short name: S235JR+N

Mat. grade: 1.0038

| 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      | 360-510                                                                   | 360-510  | 24                                          | 22      |                               | 27      |

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