

PRODUCT TECHNICAL SPECIFICATION

GATE VALVE, ELASTOMER SEAT, FLANGED

SCOPE

Gate Valve, Straight Type, Flanged, Gray Cast Iron / Ductile Iron, according to F4 / F5 Sizes and Materials EN Standards

Has the TSE Certificate in accordance with TS EN 1171

DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600

PN 16

A. MATERIALS

Body	in accordance with the TS 552 EN 1561 Standard; Gray Cast Iron, EN GJL 250 (GG 25 according to the older rating) in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Bonnet	in accordance with the EN 1561 Standard; Gray Cast Iron, EN GJL 250 (GG 25 according to the older rating) in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Stem	Stainless Steel, AISI 410 or 420 or 304
Bolt / Core	Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Wedge Coating	EPDM Vulcanization
Fitting Components	Minimum Property Class 6.8
Handwheel	Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)

B. FACE TO FACE DIMENSIONS

in accordance with the TS EN 558-1 SERIES-14 Straight Type F4 Gate Valve Standard
in accordance with the TS EN 558-1 SERIES-15 Straight Type F5 Gate Valve Standard

C. FLANGE SIZES

in accordance with the TS EN 1092-2 and BS EN 1092-2 Standards; PN 16

D. NOMINAL PRESSURE / OPERATING PRESSURE

PN 16 / 16 Bar

E. OPERATING TEMPERATURE RANGE

-10 ~ +110 °C

F. MARKING

Minimal marking that is legible and obtained in the form of embossing from casting;

MANUFACTURER

(BRAND) TS 1171

BODY MATERIAL

IF GRAY CAST IRON: **EN GJL 250**

IF DUCTILE IRON: **EN GJS 400**

PRESSURE GRADING: **PN 16**

NOMINAL SIZE: **DN40/DN50/DN65 / DN80 / DN100 / DN125 / DN150 / DN200 / DN250
/ DN300 / DN350 / DN400 / DN450 / DN500 / DN600**

G. PAINT

After Casting: Cast iron parts are primed using Shop Primer

Before Assembly: Epoxy powder paint

H. TEST

in accordance with the EN 12266-1 Standard; RATE-A (Zero leakage)

I. WARRANTY

2-year warranty against workmanship and material defects

J. PACKAGING AND SHIPMENT

Plastic plugs in fluid bore openings

Products are shipped as packed in individual plastics bags