



PRODUCT TECHNICAL SPECIFICATION

BUTTERFLY VALVE LUG

SCOPE

Butterfly Valve, Lug, Ductile Iron
Sizes and Materials comply with the EN Standards, has TSE Certificate in accordance with the TS EN 593 Standard
DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 500, 600
PN 16

A. MATERIALS

Body	in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Disc	in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating), outer surface Nickel plated Stainless Steel, AISI 304 (CF8)
Lever	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
Seat	Shore A EPDM or Fluorinated or NBR Rubber, Hardness 70 ± 5, coating via Vulcanization process
Sealing	



Components EPDM or Fluorinated or NBR

B. FACE TO FACE DIMENSIONS

TS EN 558-1 SERIES-20

C. LUG CONNECTION DIMENSIONS

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

D. NOMINAL PRESSURE / OPERATING PRESSURE

PN 16 / 16 Bar

E. OPERATING TEMPERATURE RANGE

-10 ~ +120 °C

F. MARKING

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

MANUFACTURER

(BRAND) TS EN 593

BODY MATERIAL

DUCTILE IRON: **EN GJS 400**

PRESSURE GRADING: **PN6 / PN10 / PN16**

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

After EPDM Coating Top coat, wet spray 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

Products are shipped as packed in individual plastics bags

K. OTHER ISSUES

The valves with an operating pressure of 16 bars not only fulfill opening, closing and partial adjustment functions in installations, but also provide 100% sealing in the closed position.

Lug type butterfly valves can also be used as end-of-line blanking valves by bolting them to a single flange.

Valves with a connection diameter of DN40 to DN 200 are lever controlled, those with a connection diameter of DN250 and above are reducer (gear box) controlled.

They are compatible with ISO 5211 actuator connection standards providing the torque values for all sizes of butterfly valves in the table below.

Single Acting Pneumatic Actuator

Double Acting Pneumatic Actuator

Multi Turn Electrical Actuator

can be installed, valve closing and opening can be controlled with these actuators.

VALV E SIZE [DN]	TORQU E VALUE [Nm]	TORQU E VALUE x 1.25 [Nm]	DOUBLE ACTING PNEUMATIC	SINGLE ACTING PNEUMATIC	MULTI TURN ELECTRICAL ACTUATOR
			ACTUATOR TORQUE VALUE [Nm]	ACTUATOR TORQUE VALUE [Nm]	ACTUATOR TORQUE VALUE [Nm]
4	13	16	40	14,8	60
5	23	29	40	48,2	60
6	29	36	40	48,2	60
8	36	45	95	48,2	80
1	46	58	95	106,7	80
1	71	89	95	106,7	10
1	105	131	186	134,7	150
2	198	248	320	230,3	300
2	313	391	578	607,8	500
3	434	543	578	607,8	600
3	624	780	765	1.150	800
4	871	1.089	1500	1.150	1.200
5	1.509	1.886	2900		
6	3.268	3.960	2900		