

### METAL SPECIFICATIONS FOR BUTTERFLY VALVES

Parts	Material Description	Specification	Chemical Composition (%)									Tensile strength (PSI/Mpa)	Yield strength (PSI/Mpa)	Elongation (%)
			Aluminum	Carbon	Chromium	Copper	Iron	Manganese	Molybdenum	Nickel	Silicon			
Body	Cast Iron	ASTM A 126 Class B	-	3.2	-	-	Bal	0.8	-	-	2	31030 / 214	-	-
Body / Disc	Stainless Steel	ASTM A 351 CF8 (SS304)	-	0.08	20.5	-	Bal	1.5	0.5	9.5	2	70000 / 485	30000 / 205	35
Body / Disc	Stainless Steel	ASTM A 351 CF8M (SS316)	-	0.08	20.5	-	Bal	1.5	2.5	10.5	1.5	70000 / 485	30000 / 205	30
Body / Disc	Carbon Steel	ASTM A 216 WCB	-	0.3	0.5	0.3	Bal	1	0.2	0.5	0.6	70000 / 485	36000 / 250	22
Body / Disc	Ductile Iron	ASTM A 536 Gr - 65-45-12	-	3.85	-	-	Bal	0.45	-	1.75	2.5	65000 / 448	45000 / 310	12
Stem	Stainless Steel	ASTM A 479 Type 410	-	0.15	12.5	-	Bal	1	-	-	1	110000 / 760	85000 / 585	15
Stem	Stainless Steel	ASTM A 479 Type SS 316 SH	-	0.08	17	-	Bal	2	-	12	1	89925 / 795	65270 / 450	30
Stem	Carbon Steel	BS:970 Gr - 080M40	-	0.4	-	-	Bal	0.8	-	-	0.25	118900 / 820	79770 / 550	12
Stem	Stainless Steel	ASTM A564 Type 630	-	0.07	16.25	4	Bal	1	-	4	1	125000 / 860	105000 / 725	16

**NOTE :** All information provided here is for reference only.

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