

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.

All information herein is proprietary and confidential and may not be copied or reproduced without the expressed written consent of DelTech Controls.

or