



SIZE	DN	L	$\phi D$	n-UnC	$\&^{\circ}$	ISO 5211 PAD NO.	$\phi D1$	$\phi D2$	n- $\phi d$	$\phi D3$	T	h	Torque N*M	Weight
2"	50	42	$\phi 120.7$	4- UnC 5/8"	90°	F05	$\phi 65$	$\phi 50$	4- $\phi 7$	$\phi 12.6$	4	30	18	3.5 KG
2 1/2"	65	44.7	$\phi 139.7$	4- UnC 5/8"	90°	F05	$\phi 65$	$\phi 50$	4- $\phi 7$	$\phi 12.6$	4	30	26	4 KG
3"	80	45.2	$\phi 152.4$	4- UnC 5/8"	90°	F05	$\phi 65$	$\phi 50$	4- $\phi 7$	$\phi 12.6$	4	30	39	4.5 KG
4"	100	52.1	$\phi 190.5$	8- UnC 5/8"	45°	F07	$\phi 90$	$\phi 70$	4- $\phi 10$	$\phi 15.8$	4	30	58	5.2 KG
5"	125	54.4	$\phi 215.9$	8- UnC 3/4"	45°	F07	$\phi 90$	$\phi 70$	4- $\phi 10$	$\phi 18.9$	4	30	92	7.5 KG
6"	150	55.8	$\phi 241.3$	8- UnC 3/4"	45°	F07	$\phi 90$	$\phi 70$	4- $\phi 10$	$\phi 18.9$	4	30	128	9 KG
8"	200	60.6	$\phi 298.5$	8- UnC 3/4"	45°	F10	$\phi 125$	$\phi 102$	4- $\phi 12$	$\phi 22.2$	4	45	238	14 KG
10"	250	65.6	$\phi 362.0$	12- UnC 7/8"	30°	F10	$\phi 125$	$\phi 102$	4- $\phi 12$	$\phi 28.5$	4	45	399	30 KG
12"	300	76.9	$\phi 431.8$	12- UnC 7/8"	30°	F12	$\phi 150$	$\phi 125$	4- $\phi 14$	$\phi 31.6$	4	45	565	50 KG

\* 1. The torque without Safety factor.  
 \* 2. Safety factor of 1.3 is recommended.

1	Nondestructive Testing		
1.1	Pressure Test	Mandatory	Yes
1.2	Chemical composition certification	Mandatory	Yes
1.3	Penetrant Test	All Body Surface	Yes
1.4	Magnetic particle testing	All Body Surface	Yes

8	Key	SS	1
7	O-Ring	Viton	1
6	Short Bushing	PTFE	2
5	Seat	UHMWPE	1
4	Disc	A351 CF8M + Lined UHMWPE	1
3	Stem	A276 SS316	1
2	Long Bushing	PTFE	2
1	Body	A216 WCB + Epoxy	1
NO.	NAME	MATERIAL	QTY
TEST PRESSURE	CWP:16Bar		SHELL
	HYDROSTATIC		24 bar
	AIR		6 bar
STAND-ARD	DESIGN CODE		API 609
	INSPECTION & TEST		API 598
	END STANDARD		ASME B16.5 150LB
	FACE TO FACE		API 609

TITLE : CONCENTRIC BUTTERFLY VALVE BARE SHAFT LINED UHMWPE  
 NPS 2"~12" - 150LB - LUG

APPROVED		DWG NO.	REV
CHECKED			
DRAWN			
DESIGNED		SCALE	UNIT mm

