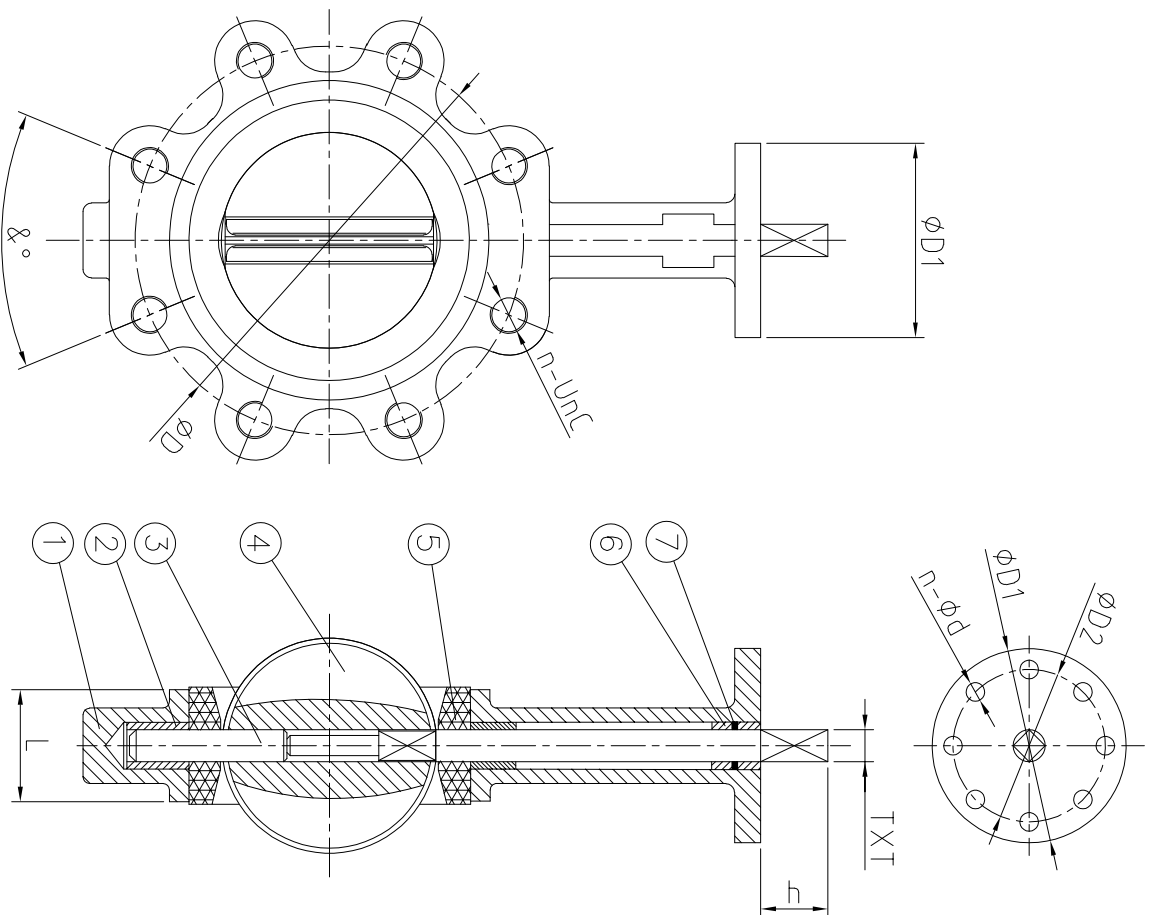


SIZE	DN	L	φD	n-UnC	∠°	ISO 5211 PAD NO.	φD1	φD2	n-φd	TXT	h	Torque N*M	Weight
1 1/2"	40	42	φ98.4	4- UnC 1 1/2"	90°	F05	φ90	φ50	4-φ8	9X9	30	17	3.5 KG
2"	50	42	φ120.7	4- UnC 5/8"	90°	F05	φ90	φ50	4-φ8	9X9	30	17	3.5 KG
2 1/2"	65	44.7	φ139.7	4- UnC 5/8"	90°	F05	φ90	φ50	4-φ8	9X9	30	25	4 KG
3"	80	45.2	φ152.4	4- UnC 5/8"	90°	F05	φ90	φ50	4-φ8	9X9	30	38	4.5 KG
4"	100	52.1	φ190.5	8- UnC 5/8"	45°	F07	φ90	φ70	4-φ10	11X11	30	56	5.2 KG
5"	125	54.4	φ215.9	8- UnC 3/4"	45°	F07	φ90	φ70	4-φ10	14X14	30	90	7.5 KG
6"	150	55.8	φ241.3	8- UnC 3/4"	45°	F07	φ90	φ70	4-φ10	14X14	30	124	9 KG
8"	200	60.6	φ298.5	8- UnC 3/4"	45°	F10	φ125	φ102	4-φ12	17X17	40	233	14 KG
10"	250	65.6	φ362.0	12- UnC 7/8"	30°	F10	φ125	φ102	4-φ12	22X22	45	392	30 KG
12"	300	76.9	φ431.8	12- UnC 7/8"	30°	F10	φ125	φ102	4-φ12	22X22	45	560	50 KG
14"	350	76.2	φ476.3	12- UnC 1"	30°	F10	φ125	φ102	4-φ12	22X22	45	736	75 KG
16"	400	85.7	φ539.8	16- UnC 1"	22.5°	F14	φ175	φ140	4-φ14	27X27	45	1011	98 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

NO.	NAME	MATERIAL	QTY
1	Body	A351 CF3M	1
2	Long Bushing	PTFE	2
3	Stem	A276 SS316L	1
4	Disc	A351 CF3M	1
5	Seat	RPTE	1
6	Short Bushing	PTFE	2
7	0-Ring	Viton	1

TEST PRESSURE	SHELL	SEAL
CWP:16Bar	24 bar	17.6 bar
HYDROSTATIC	6 bar	6 bar

STANDARD	DESIGN CODE	API 609
INSPECTION & TEST	API 598	
END STANDARD	ASME B16.5 150LB	
FACE TO FACE	API 609	
WORKING TEMPERATURE	-29C° ~ +120C°	

TITLE : CONCENTRIC BUTTERFLY VALVE SQUARE BARE SHAFT
NPS 1 1/2"~16" - 150LB - LUG - CF3M/SS316L/RPTFE

APPROVED		DWG NO.		REV
CHECKED				
DRAWN				
DESIGNED		SCALE		UNIT
				mm