



TOP OILFIELD PRODUCTS

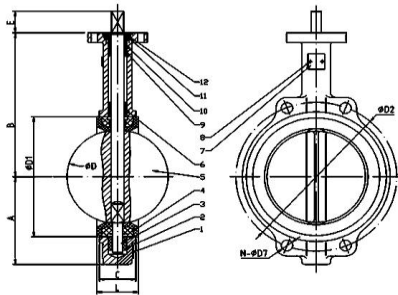
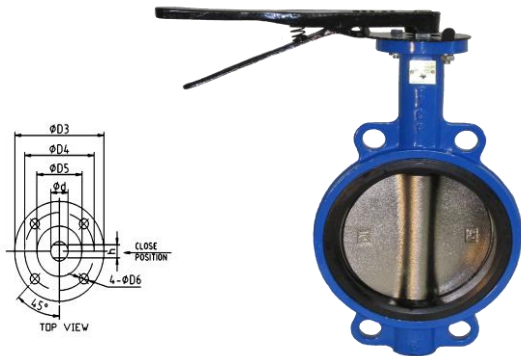
ALIGNMENT HOLE BUTTERFLY "LONG NECK"

200PSI Nickel Disc/Buna Seat

TWA-NBL2LS-Series

Standard Features

- Ductile Iron Body
- **Nickel Plated Ductile Iron Disc**
- Buna Seat
- ISO 5211 Mounting Pad
- **Pinless Single Shaft**, Double "D"
- Lever Handle
- Test Standard API 598
- Flange ANSI B16.1 Class 125
- Face To Face API 609



Parts & Materials

NO.	Description	Material
1	Body	Ductile Iron
2	Lower Bushing	F4
3	Shaft	Carbon Steel/ Zinc
4	Seat	Buna
5	Disc	Nickel Plated DI
6	Long Bushing	F4
7	Name Plate	Aluminum
8	Plate Rivet	Aluminum
9	Short Bushing	F4
10	O-Ring	Buna
11	Screw	Carbon Steel/ Zinc
12	Stop Plate	Carbon Steel, Epoxy

Test Pressures		
Shell Test	300 PSI	2.1Mpa
Seat Test	220 PSI	1.6 Mpa

Working Pressure/Temp

Normal Pressure	200 PSI	1.4 Mpa
NBR	Neg. 20°C	90°C

NPS	D	D2	N	D7	D1	D3	D4	D5	D6	d	A	B	C	L	h	E	ft. lb	wt.
2"	2.08	4.75	4	0.75	3.00	3.03	1.97	1.61	0.28	0.50	3.15	6.34	1.65	1.81	0.35	1.10	10.32	8.38
3"	3.10	6.00	4	0.75	4.09	3.03	1.97	1.61	0.28	0.50	3.74	7.13	1.78	1.93	0.35	1.10	19.98	11.90
4"	4.10	7.50	8	0.75	5.31	3.62	2.76	2.17	0.39	0.62	4.49	7.87	2.05	2.18	0.44	1.10	36.65	12.57
5"	4.86	8.50	8	0.88	6.26	3.62	2.76	2.17	0.39	0.74	5.00	8.39	2.14	2.31	0.50	1.10	62.47	18.74
6"	6.13	9.50	8	0.88	7.42	3.62	2.76	2.17	0.39	0.74	5.47	8.90	2.20	2.33	0.50	1.10	96.88	21.38
8"	7.97	11.75	8	0.88	9.37	4.92	4.02	2.76	0.47	0.87	6.89	10.24	2.39	2.52	0.63	1.50	175.02	35.57
10"	9.86	14.25	12	1.00	11.51	4.92	4.02	2.76	0.47	1.12	7.99	11.50	2.58	2.83	0.81	1.57	309.3	54.67
12"	11.87	17.00	12	1.00	13.55	5.51	4.02	2.76	0.47	1.24	9.53	13.27	3.03	3.19	0.87	1.57	491.60	85.98

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*Due to continuous improvements, design may change without prior notice.