

Dura

Water Wafer Butterfly Valve

Specifications

Recommended use	The Dura butterfly valve is a soft sealing valve for installation with flanges drilled in accordance with AS 2129 Table E. Engineered for long- term, maintenance-free performance, Dura butterfly valves are selected for a wide range of industries.
Features	Light-weight compact design Epoxy Coating Corrosion Resistant Low Torque Operation
Working Pressure	1600 kPa
Temperature Range	-10°C to 120°C
Warranty	12 Months
Standards	ATS 5200.012 Flange - AS2129 Table E Top Flange - ISO5211/1
WaterMark Approval	WM-020013

Product Image



Materials

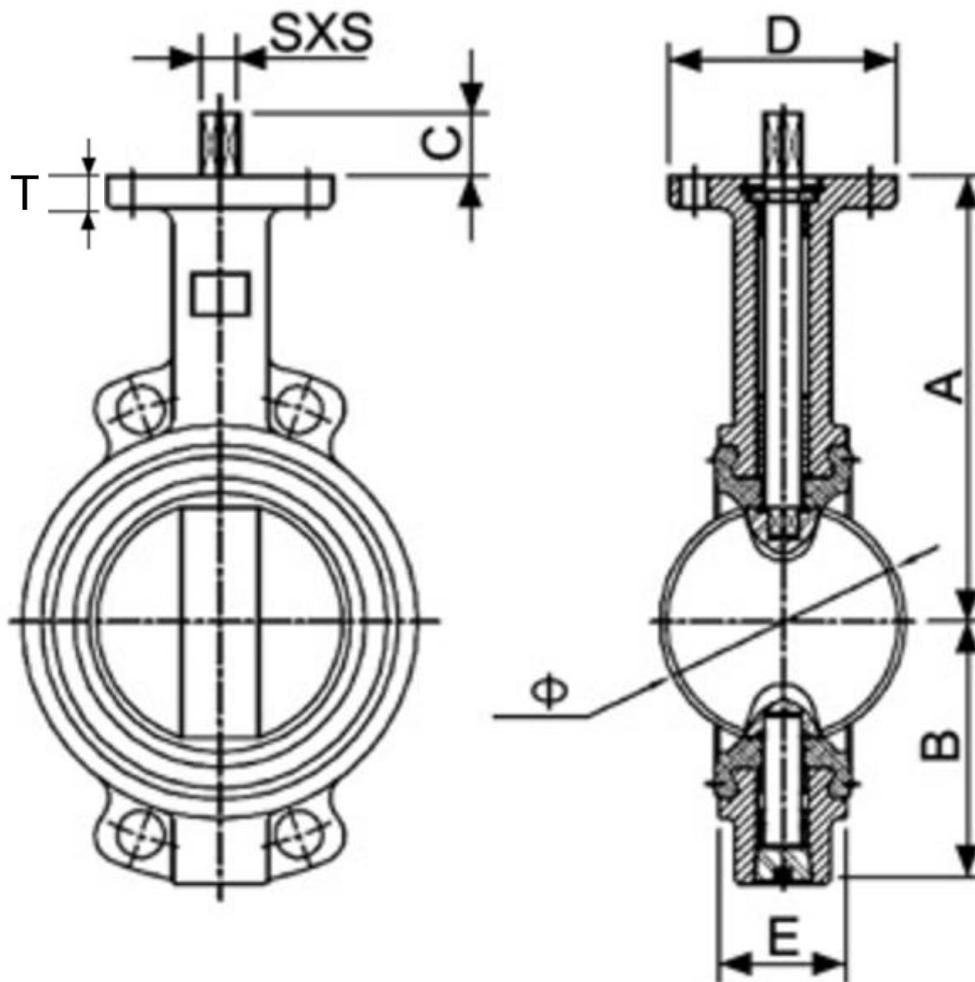
Body	Cast Iron w/Epoxy Coating
Shaft	416 Stainless Steel
Disc	316 Stainless Steel
Bushing	PTFE
Liner	EPDM
O-Ring	EPDM

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Dimensions

Product Code	Product Description	A	B	C	D	E	ϕ	SXS	Weight
		mm	mm	mm	mm	mm	mm	mm	kg
1011510	DURA B/FLY VALVE WAFER S/S C/W HDL 50MM	161	80	30	90	43	56.8	11X11	2.6
1011516	DURA B/FLY VALVE WAFER S/S C/W HDL 65MM	175	91	30	90	45	71.5	11X11	3.6
1011522	DURA B/FLY VALVE WAFER S/S C/W HDL 80MM	181	95	30	90	46	83	11X11	4.0
1011528	DURA B/FLY VALVE WAFER S/S C/W HDL 100MM	200	115	30	90	51.5	101.5	14X14	5.3
1011534	DURA B/FLY VALVE WAFER S/S C/W HDL 125MM	215	134	30	90	56	127.8	14X14	6.9
1011540	DURA B/FLY VALVE WAFER S/S C/W HDL 150MM	225	138	30	90	56.5	151.1	17X17	8.4
1011546	DURA B/FLY VALVE WAFER S/S C/W HDL 200MM	241	174	30	125	60	200.5	17X17	13.3
1011552	DURA B/FLY VALVE WAFER S/S C/W HDL 250MM	296	198	30	125	68.5	251.3	22X22	19.6
1011558	DURA B/FLY VALVE WAFER S/S C/W HDL 300MM	336	234	30	125	79.5	300.5	22X22	32.2

Product Drawing



Disclaimer: Products in this specification manual must by regulation be installed by licensed and registered trade people. The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer/distributor takes no responsibility for printing errors.

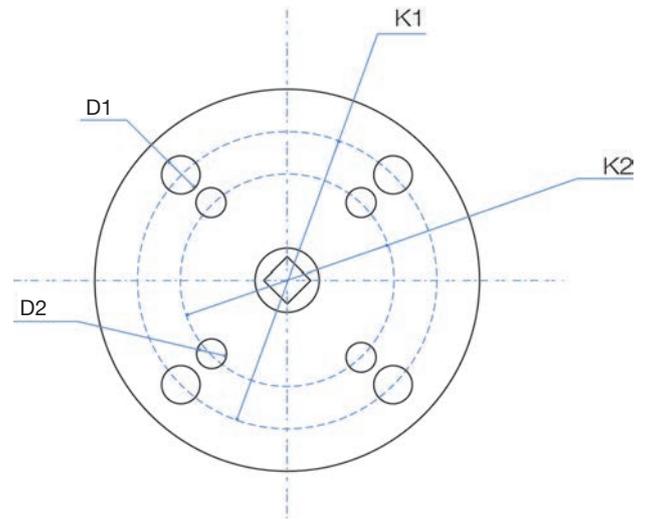


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Top Flange Dimensions

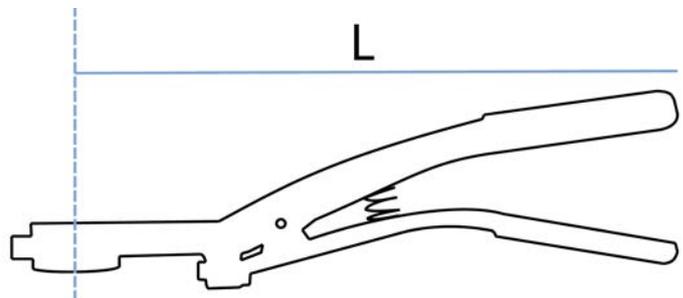
Size	T*	K1	K2	D1	D2
DN	mm	mm	mm	mm	mm
50	12	70	50	7	9
65	13	70	50	7	9
80	13	70	50	7	9
100	14	70	-	9	-
125	14	70	-	9	-
150	14	70	-	9	-
200	14	102	-	11	-
250	16	102	-	11	-
300	18	102	-	11	-

* Refer to T dimension on page 2



Lever Handle Dimensions

Size	L	Valve Weight Including Lever	Torque Rating
DN	mm	kg	Nm
50	258	3.7	25
65	258	4.4	40
80	258	4.8	50
100	258	6.1	50
125	263	7.7	75
150	263	9.2	90
200	330	14.5	155
250	418	21.4	215
300	418	34	380

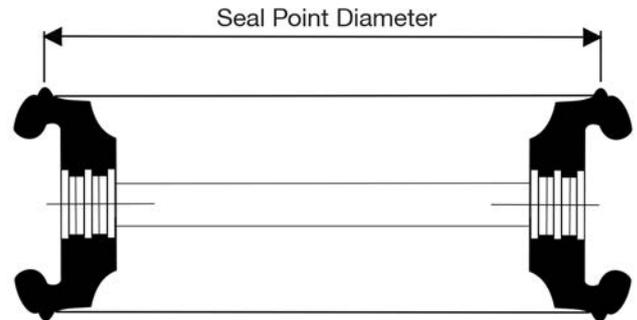


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Seal Point Diameter (ø)

Size	Seal Point Diameter (ø)
DN	mm
50	70
65	88
80	103
100	123
125	148.5
150	174
200*	213 & 229
250*	264 & 280.5
300*	311.5 & 326

*Double bead seal



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INSTALLATION NOTES

- Step 1:** To protect valve disc and disc seat, ensure pipeline and pipe faces are clean of any foreign material such as pipe scale or metal chips.
- Step 2:** The disc seat sits above the body, so gaskets are not required to fit this valve between flanges.
- Step 3:** Position valve disc to partially open position (approximately 10 degrees open). Failure to open valve will distort valve seat and make valve disc difficult to unseat.
- Step 4:** Check pipework for correct alignment and spread piping flanges a distance apart to allow valve to be positioned between flanges easily.
- Step 5:** Prepare valve for lifting using the locating holes or a sling around the neck of the body. Never lift valve up by the handle or geared operator.
- Step 6:** Check fasteners and ensure bolts with washers fitted are correct length and bolt threads are clean. Bolt threads should be lightly oiled with good quality lubricating oil before use.
- Step 7:** Lift and insert valve between flanges and position all bolts loosely but do not tighten
- Step 8:** Carefully open the valve disc to fully open position and hand-tighten all bolts following a cross over flange bolt tightening pattern (Fig. 1).
- Step 9:** Close valve very slowly to ensure valve disc clearance from adjacent pipe flange inside diameter.
- Step 10:** Open valve disc to fully open and tighten all bolts evenly following the cross over flange bolt tightening pattern.

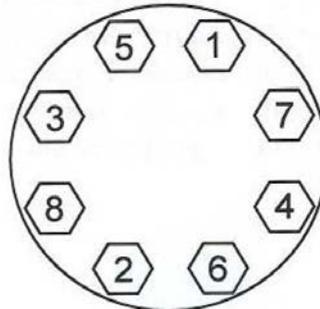


Fig: Flange bolt tightening sequence

- Step 11:** Fully close valve disc to ensure proper clearances and correct seat face sealing

Notes

- When fitting geared operator, align geared operator handle in fully open position with valve disc also in fully open position before installation.
- For use as an end of line valve, Dura lugged butterfly valves must still be fitted between 2 flanges following steps 1 to 11 (above)

Maintenance

Periodic inspection and operation of the butterfly valves is recommended to prevent build-up of foreign materials inside the valves and piping system.