Manual Handle and Worm Gear for Butterfly Valves



Applications

For manually operating D6... , EXT-D6... series butterfly valves.

Technical data

Materials			
Worm Gear	Gear train	Ductile cast iron and steel gear sets	
	Housing	ZD6N-S100~ZD6N-S150	Cast Aluminium
		ZD6N-S350~ZD6N-S600	Cast Iron
	Shaft	Steel 45	
	Hand wheel	Cast iron	
Handle		ZD6N-H100~ZD6N-H150	Cast Aluminium
Stop Plate		Steel	

Ordering sample

ZD6N H 100
- Size: For BFV DN100
- H: Handle
- Manual Operator

ZD6N S 100
- Size: For BFV DN50...100
- W: Worm Gear
- Manual Operator

Combination table

	D650N(L)	D665N(L)	D680N(L)	D6100N(L)	D6125N(L)	D6150N(L)	D6100W(L)	D6125W(L)	D6150W(L)	D6200W(L)	D6250W(L)	D6300W(L)	D6350N(L) / B(L)
ZD6N-H100	■	■	■	■			■						
ZD6N-H150					■	■		■	■	■			
ZD6N-S100	■	■	■	■			■						
ZD6N-S150					■	■		■	■	■	■		
ZD6N-S350												■	
ZD6N-S400													■
ZD6N-S450													
ZD6N-S500													
ZD6N-S600													

	D6450N(L) / B(L)	D6500N(L) / B(L)	D6600N(L) / B(L)
ZD6N-H100			
ZD6N-H150			
ZD6N-S100			
ZD6N-S150			
ZD6N-S350			
ZD6N-S400			
ZD6N-S450	■		
ZD6N-S500		■	
ZD6N-S600			■

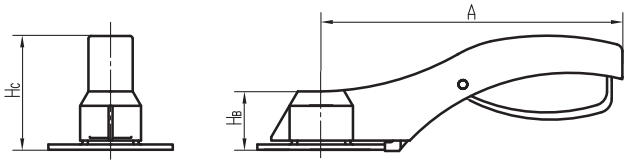
■ Suitable combination

UL marked actuators is optional, please contact your local Sales Representative for details.

V8.4 06.2026•Subject to modification

Dimensions [mm]

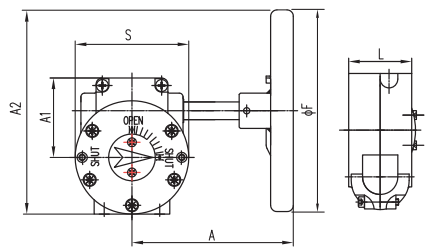
Manual Handle



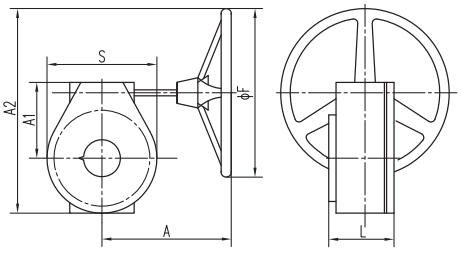
ZD6-H100~ZD6-H150

Type	Top Flange	Dimensions [mm]			Weight (kg)
		A	H_B	H_C	
ZD6N-H100	F05, 14x14	170	32	64	0.50
ZD6N-H150	F07, 17x17	260	37	75	0.65

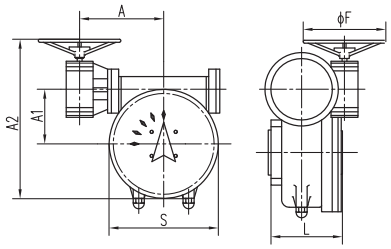
Worm Gear



Single-stage Worm Gear
ZD6N-S100 ~ ZD6N-S350



Single-stage Worm Gear
ZD6N-S400 ~ ZD6N-S450



Double-stage Worm Gear
ZD6N-S500 ~ ZD6N-S600

Type	Top flange		Dimensions [mm]					Speed Ratio	Weight (kg)
		A	A1	A2	L	S	øF		
ZD6N-S100	F05, 14x14	164.5	76	170	71	107	146	24:1	4.6
ZD6N-S150	F07, 17x17	164.5	76	170	71	107	146	24:1	4.6
ZD6N-S350	F10, 22x22	228	113	301.5	82	160	285	50:1	11.8
ZD6N-S400	F14, 36x36	260	155	439.5	98	254	385	80:1	16.5
ZD6N-S450	F14, 36x36	260	155	439.5	98	254	385	80:1	21.8
ZD6N-S500	F14, 36x36	280	110	390	124	220	285	560:1	34.5
ZD6N-S600	F16, 36x36	306	136	442	129	272	385	560:1	49

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