

WORM GEARBOX



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LT-Q Series

Features

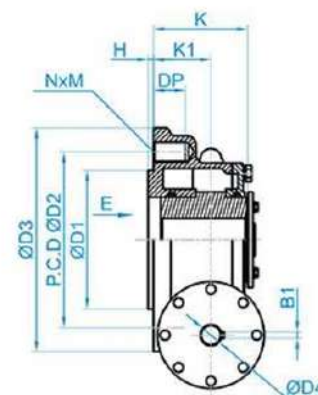
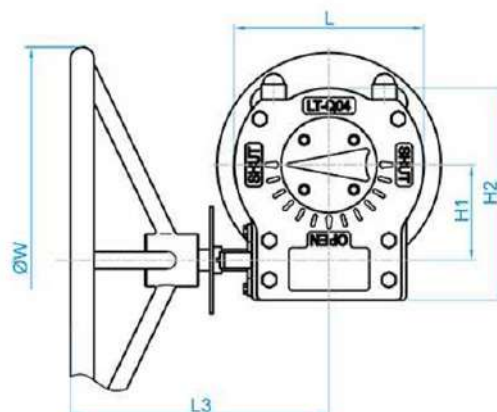


- Housing and worm wheel material: Ductile Iron
- Complete Models and Ratio Alternatives. Each model matching with different flange standard numbers.
- Flange Connection by ISO 5211
- Fully Enclosed Construction, One Time Grease for Internal Parts,Long Time Performance.
- With Locking Device.
- Stroke: 0-90 degree ($\pm 5^\circ$ adjustable)
- Applicable Temperature:-20° C to +120° C
- Enclosure: IP66
- Coupling to Valve: Shaft Key, Flat Hole, Square Head,etc
- The position of the handwheel is on the right by default
- Turn the hand wheel clockwise to close the valve and turn it counterclockwise to open it

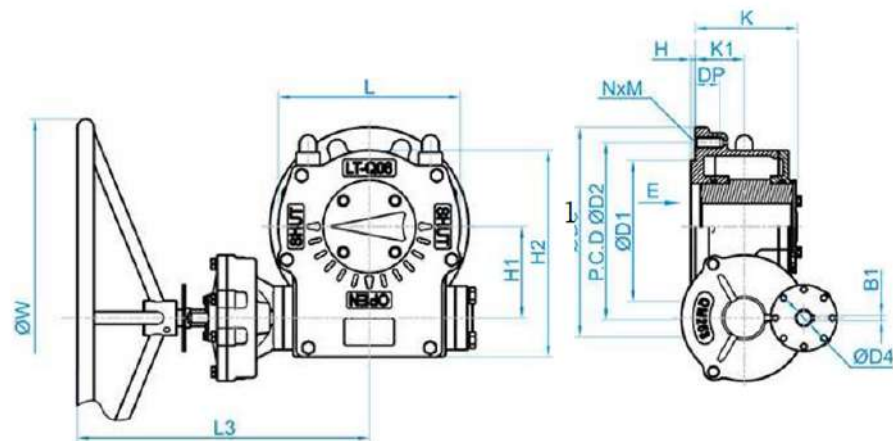
Customization

- Enclosure: IP68
- Worm Wheel Material: Aluminum bronze
- Input Shaft Material: Stainless Steel
- Applicable Temperature: -29°C,-46°C Or +120°C, 170°C
- The position of the handwheel is on the left.
- Customized Handwheel Diameter.

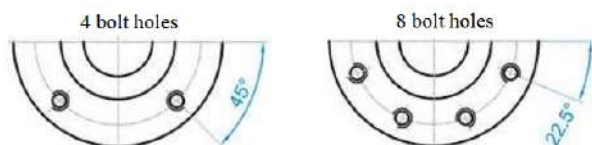
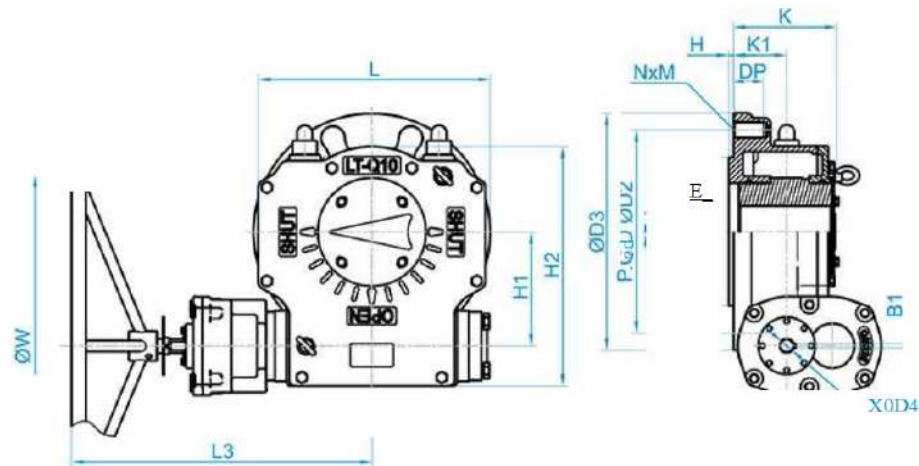
Model A Single Stage



Model B Single Stage



Model C Single Stage



E Direction

Model	Technical Data						Connection Flange				Outline Dimension						Handwheel and Coupling		
	Flange	Ratio	Output Torque N·m	Input Torque N·m	Efficiency %	Max. Stem mm	D1	D2	N-M-DP	D3	H	H1	H2	K	K1	L3	D4	B1	W

	F3 0						23 0	29 8	8xM 20- 30		4								
LT- Q10	F2 5	56 0:1	17 00 0	13 0	13 4	11 5	20 0	25 4	8xM 16- 24	35 0	4	18 0	38 5	15 1	77	50 4	25	8	60 0
	F3 0							4											
LT- W11 Q	F2 5	69 5:1	25 00 0	13 0	19 3	13 0	20 0	25 4	8xM 16- 24	35 0	4	20 3	50 1	19 5	12 2	54 1	25	8	60 0
	F3 0							4											
	F3 5							4	41 5	4									
LT- W12 Q	F2 5	79 3:1	32 00 0	14 5	22 3	13 0	20 0	25 4	8xM 16- 24	35 0	4	23 0	55 3	19 5	12 4	55 6	25	8	70 0
	F3 0							4											
	F3 5							4	41 5	4									

W SERIES

Features

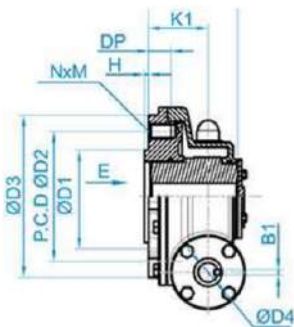
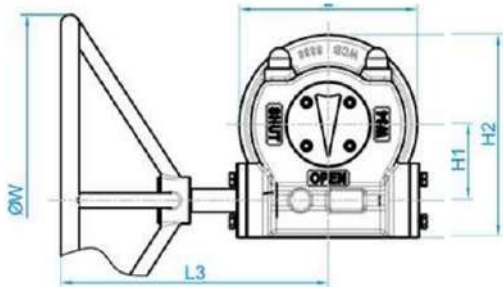


- Housing material: WCB; Worm Wheel material: Ductile Iron
- Complete Models and Ratio Alternatives. Each model matching with different flange standard numbers.
- Flange Connection by ISO 5211
- Stroke: 0-90 degree ($\pm 5^\circ$ adjustable)
- Applicable Temperature:-20° C to +120° C
- Enclosure: IP66
- Coupling to Valve: Shaft Key, Flat Hole, Square Head,etc
- The position of the handwheel is on the right by default
- Turn the hand wheel clockwise to close the valve and turn it counterclockwise to open it
- Input can be coupling with electric actuator (ISO 5210 or GB2920 flange)

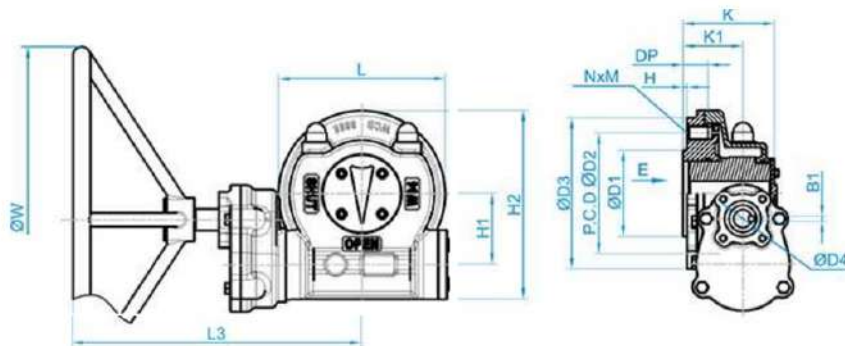
Customization

- Enclosure: IP68
- Manual gearbox with locking device
- Input by chain wheel
- Worm Wheel Material: Aluminum bronze
- Input Shaft Material: Stainless Steel
- Applicable Temperature: -46°C,-59°C ,-73°C Or +120°C, 170°C
- The position of the handwheel is on the left.
- Customized Handwheel Diameter.
- Housing material: Stainless steel or cryogenic Steel

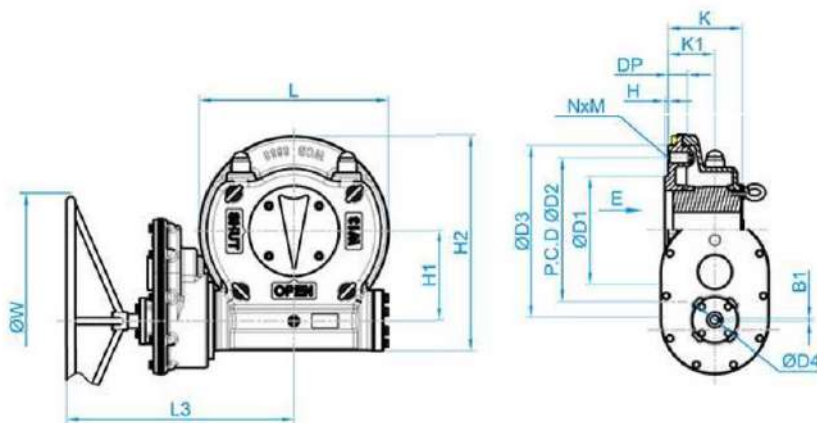
Model A



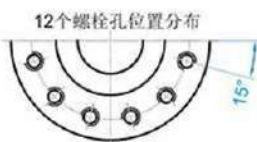
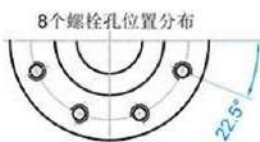
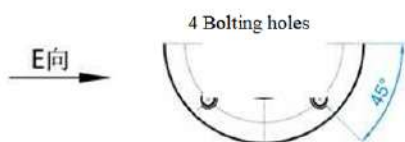
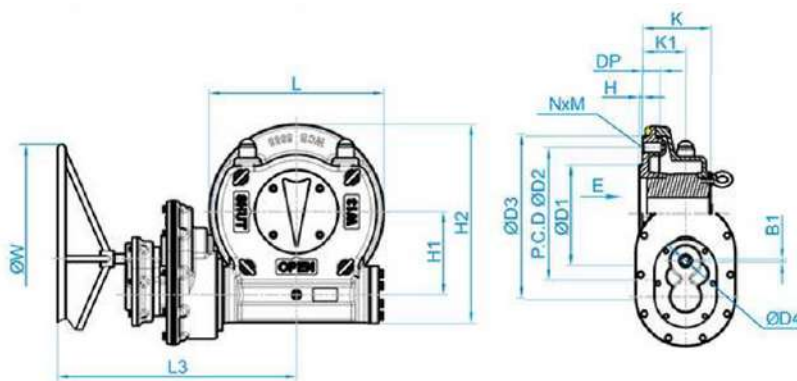
Model B



Model C



Model D



	Model	Technical Data							Standard Flange					Standard Outline Dimension				Handwheel and Coupling		
		Ratio	Output Torque Nm	Input Torque Nm	Effec t ±1 0 %	Flange	Flange Optional	Max. Ste m m	D 1	D 2	N-M- DP	D 3	H	K	K1	L	L3	D 4	B 1	W
A	W03	44: 1	14 00	100	14 .1	F1 2	F10- F14	45	85	12 5	4xM1 2-18	15 0	3	85	53	16 5	27 1	20	6	36 0
	W04	52: 1	20 00	135	15	F1 4	F12- F16	55	10 0	14 0	4xM1 6-24	17 5	3	95	64	19 2	27 8	20	6 →	46 0
	W05	56: 1	25 00	150	16 .8	F1 6	(F12)- F14	65	13 0	16 5	4xM2 0-30	21 0	3	10 7	71	22 5	30 8			50 0
	W06	67: 1	32 00	170	18 .9	F2 0	(F14)- F16- F25	72	16 0	20 0	8xM1 6-24	25 5	4	11 0	73	25 7	34 8	25	8	60 0
	W07	77: 1	38 00	190	20	F2	F16-	85	20	25	8xM1	30	4	12	80	27	38	25	8	60

		1	00		.1	5	F20		0	4	6-24	0		1		2	0			0
	W08	86:1	4500	196	22.5	F25	F25	95	200	254	8xM16-24	300	4	135	92	300	387	25	8	650
B	W03-1S	110:1	1500	50	30	F12	F10-F14	45	85	125	4xM12-18	150	3	85	53	165	292	20	6	320
	W04-1S	130:1	2100	66	32	F14	F12-F16	55	100	140	4xM16-24	175	3	95	64	192	330	20	6	360
	W05-1S	165:1	3800	79	48	F16	(F12)-F14	65	130	165	4xM20-30	210	3	107	71	225	376	25	8	400
	W06-1S	195:1	4800	89	54	F20	(F14)-F16-F25	72	160	200	8xM16-24	255	4	110	73	257	386	25	8	500
	W07-1S	195:1	6000	111	54	F25	F16-F20	85	200	254	8xM16-24	300	4	121	80	272	424	25	8	600
	W07-2S	286:1	7200	91	79	F25	F16-F20	85	200	254	8xM16-24	300	4	121	80	272	424	25	8	600
	W08-1S	314:1	9000	113	80	F25	F25	95	200	254	8xM16-24	300	4	135	92	300	457	25	8	600
	W09-1S	347:1	11000	128	86	F30	F25	100	230	298	8XM20-30	350	4	143	95	320	475	25	8	600

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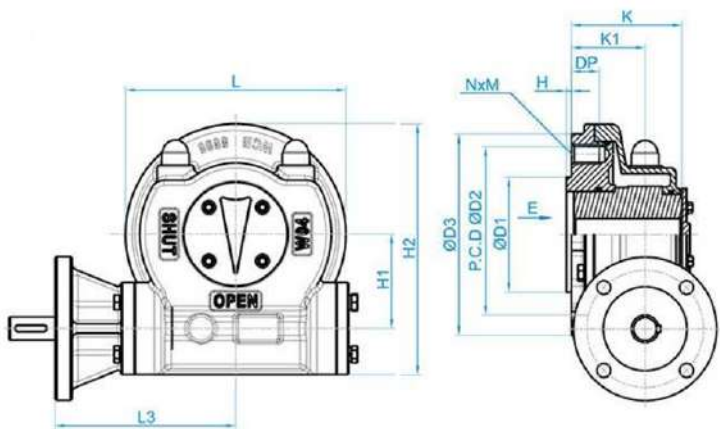
	W10-1SS	67 5:1	18 00 0	105	17 2	F3 0	F25	11 5	23 0	29 8	8xM2 0-30	35 0	4	15 3	10 0	37 0	49 0	25	8	60 0
	W11-1SS	83 5:1	28 00 0	121	23 1	F3 5	F25- F30	13 0	26 0	35 6	8xM3 0-45	41 5	4	18 3	12 2	45 0	57 4	25	8	60 0
	W12-1SS	95 3:1	35 00 0	131	26 8	F3 5	F25- F30	13 0	26 0	35 6	8 XM30 -45	41 5	4	18 5	12 4	49 5	58 9	25	8	70 0
	W13-1SS	14 03: 1	48 00 0	131	36 7	F4 0	F30- F35	15 0	30 0	40 6	8xM3 6-54	47 5	5	20 5	13 2	53 5	62 7	25	8	70 0
	W14-1SS	16 32: 1	63 00 0	148	42 7	F4 0	F30- F35	15 0	30 0	40 6	8xM3 6-54	47 5	5	21 7	14 4	61 0	69 2	25	8	80 0
	W15-1SS	20 74: 1	80 00 0	148	54 0	F4 8	F35- F40	18 0	37 0	48 3	12xM 36-54	56 0	5	23 9	15 2	66 0	73 1	25	8	80 0
	W16-1SS	24 34: 1	12 00 00	203	59 2	F4 8	F35- F40- F60	20 0	37 0	48 3	12xM 36-54	56 0	5	26 3	16 4	76 5	76 1	25	8	80 0
D	W11-1SS-1S	16 70: 1	28 00 0	70	40 5	F3 5	F25- F30	13 0	26 0	35 6	8 XM30 -45	41 5	4	18 3	12 2	45 0	67 2	25	8	60 0
	W12-1SS-1S	19 05: 1	35 00 0	82	42 7	F3 5	F25- F30	13 0	26 0	35 6	8 XM30 -45	41 5	4	18 5	12 4	49 5	68 7			60 0
	W13-1SS-1S	28 05: 1	48 00 0	75	64 3	F4 0	F30- F35	15 0	30 0	40 6	8 XM36 -54	47 5	5	20 5	13 2	53 5	72 5	25	8	60 0

	W14-1SS-1S	3265:1	63000	85	748	F40	F30-F35	150	300	406	8xM36-54	475	5	217	144	610	790	25	8	600
	W15-1SS-1S	4147:1	80000	85	945	F48	F35-F40	180	370	483	12xM36-54	560	5	239	152	660	829	25	8	700
	W16-1SS-1S	4941:1	120000	120	1035	F48	F35-F40-F60	200	370	483	12xM36-54	560	5	263	164	765	859	25	8	700

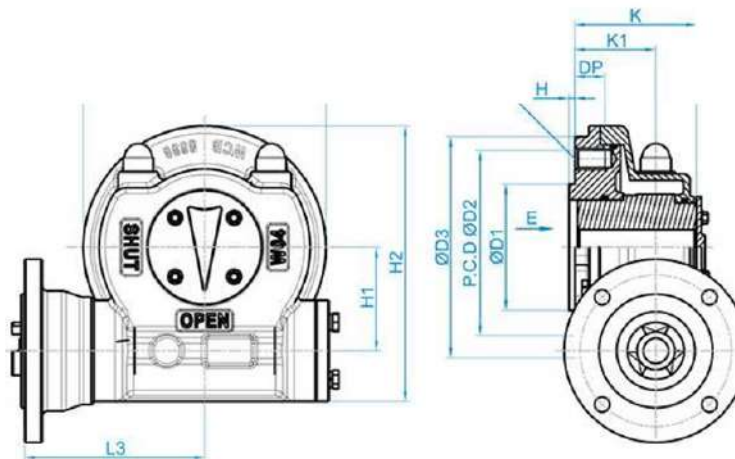
DW SERIES



ISO 5210 Flange connection



GB2920 Flange Connection

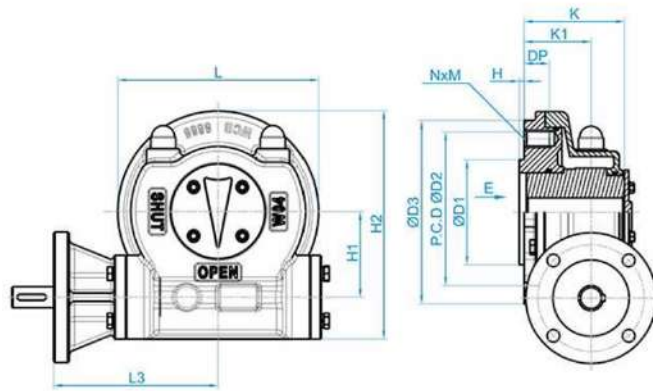


Mod el	Technical Data							Standard Flange					Standard Outline					Actuator Flange No.
	Rat io	Out put Tor que Nm	Inp ut Tor que Nm	Eff ect ±1 0%	Fla ng e	Flang e Optio nal	M ax .St e m m	D 1	D 2	NxM- DP	D 3	H	K	K1	L	H 1	H 2	
DW03	44:1	1000 1500	71 106	14.1	F12	F10-F14	45	85	125	4xM12-18	150	3	85	53	165	70	192	F10 Z10
DW04	52:1	1600 2100	107 140	15	F14	F12-F16	55	100	140	4xM16-24	175	3	95	64	192	82	218	F10 Z10
DW05	44:1	2500 3800	167 255	15	F16	(F12)-F14	65	130	165	4xM20-30	210	3	107	71	225	95	255	F10、 F14 Z10、 Z20/Z30
DW06	52:1	4000 4800	237 284	16.9	F20	(F14)-F16-F25	72	160	200	8xM16-24	255	4	110	73	257	111	287	F10、 F14 Z10、 Z20/Z30
DW07	52:1	5500 7200	328 429	16.8	F25	F16-F20	85	200	254	8xM16-24	300	4	121	80	272	127	332	F10、 F14、 F16 Z20/Z30. Z45
DW08	57:1	7500	437	17.2	F25	F25	95	200	254	8xM16-24	300	4	135	92	300	140	345	F10、 F14、 F16

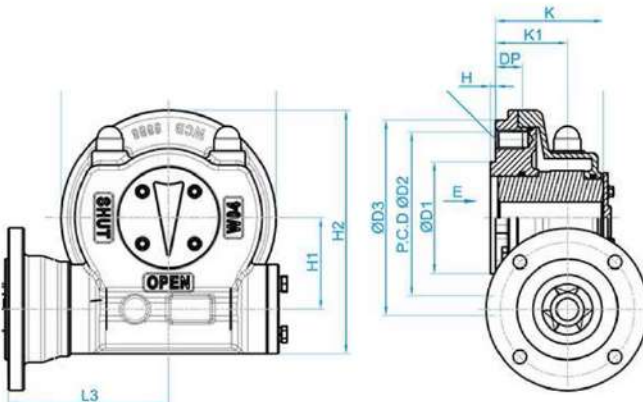
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DFW Series

ISO 5210 Flange connection



GB2920 Flange Connection

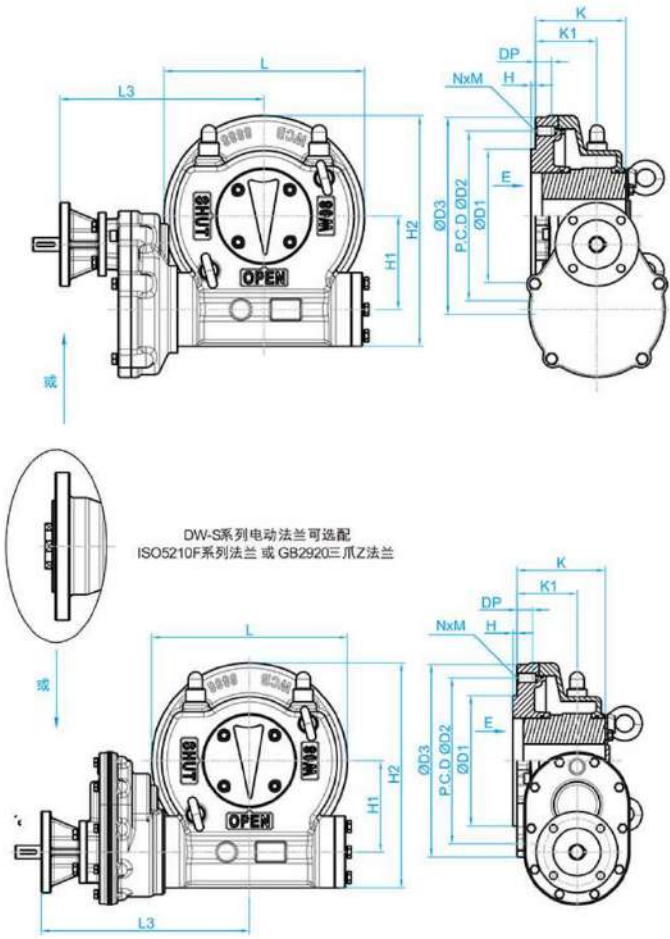


DW-S Series



Model A (DW-1S Series)

类型 A (DW-1S型号) ▼



Model B (DW-1SS Series)

类型 B (DW-1SS型号) ▼



	Model	Technical Data				Standard Flange Dimension					Standard Outline Dimension				
		Output Torque Nm	Flange	Flange Optional	Max. Stem mm	D1	D2	NxM-DP	D3	H	K	K1	L	H1	H2
A	DW03-1S	1500	F12	F10-F14	45	85	125	4xM12-18	150	3	85	53	165	70	192

	DW04-1S	2100	F14	F12-F16	55 3	10 0	14 0	4xM16-24	17 5		95	64	192	82	218
	DW05-1S	3800	F16	(F12)-F14	65	13 0	16 5	4xM20-30	21 0	3	10 7	71	225	95	255
	DW06-1S	4800	F20	(F14)-F16-F25	72	16 0	20 0	8xM16-24	25 5	4	11 0	73	257	111	287
	DW07-1S	6000	F25	F16-F20	85	20 0	25 4	8xM16-24	30 0	4	12 1	80	272	127	332
	DW07-2S	7200	F25	F16-F20	85	20 0	25 4	8xM16-24	30 0	4	12 1	80	272	127	332
	DW08-1S	9000	F25	F25	95	20 0	25 4	8xM16-24	30 0	4	13 5	92	300	140	345
	DW09-1S	11000	F30	F25	100	23 0	29 8	8xM20-30	35 0	4	14 3	95	320	152	377
B	DW07-1SS	7200	F25	F16-F20	85	20 0	25 4	8xM16-24	30 0	4	12 1	80	272	127	332
	DW08-1SS	9000	F25	F25	95	20 0	25 4	8xM16-24	30 0	4	13 5	92	300	140	345
	DW09-1SS	13500	F30	F25	100	23 0	29 8	8xM20-30	35 0	4	14 3	95	320	152	377
	DW10-1SS	18000	F30	F25	115	23 0	29 8	8xM20-30	35 0	4	15 3	100	370	176	427
	DW11-1SS	27000	F35	F25-F30	130	26 0	35 6	8xM30-45	41 5	4	18 3	122	450	203	503
	DW12-1SS	35000	F35	F25-F30	130	26 0	35 6	8xM30-45	41 5	4	18 5	124			
	DW13-1SS	45000	F40	F30-F35	150	30 0	40 6	8xM36-54	47 5	5	20 5	132	535	254	609
	DW14- 60000	F40 F30-F35			150	30	40	8xM36-	47	5	21	144	610	289	682

	DW15-1SS	80000	F48	F35-F40	180	370	483	12xM36-54	560	5	239	152	660	325	752
	DW16-1SS	120000	F48	F35-F40-F60	200	370	483	12xM36-54	560	5	263	164	765	380	873

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