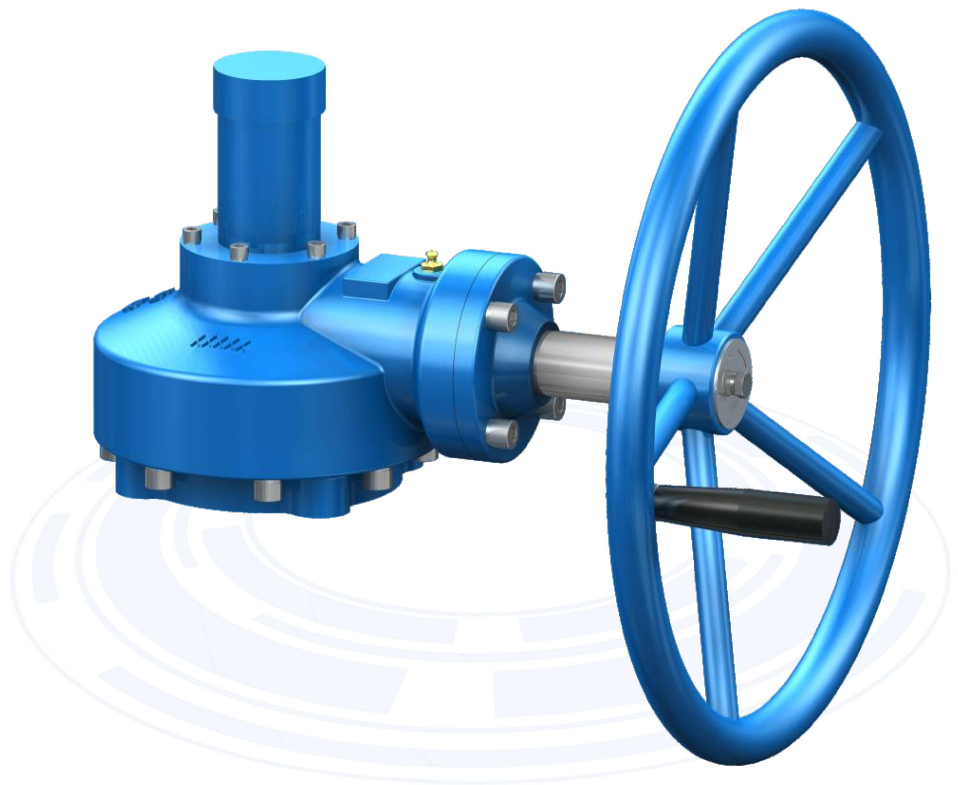

Suitable for sluice, gate and globe valves. Robust and reliable.
Manual and electric application options.
Torque range: 220Nm~6200Nm
Thrust range: 69KN~820KN
9 sizes. Ratios from: 2.3:1 to 7.11:1

SB Series

Multi-turn Gearboxes

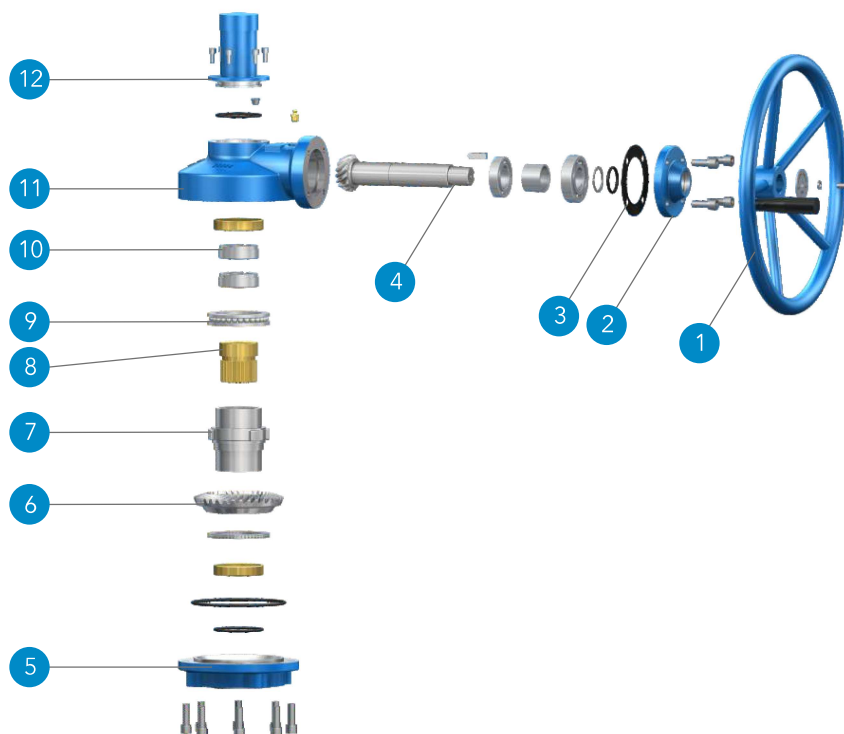


Features:

- WCB housing
- Removable output sleeve
- Thrust ball bearing
- IP67
- NBR seals
- Standard temperature range -20°C~120°C

Options:

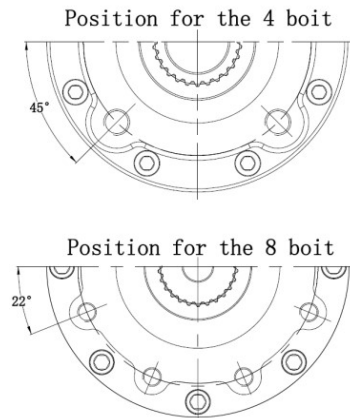
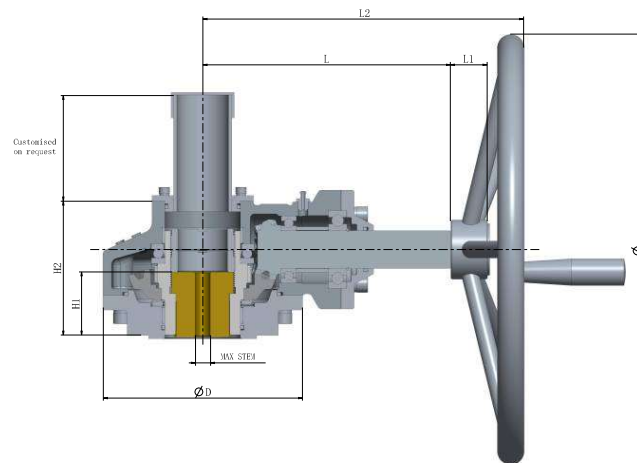
- High and low temperatures
- Stainless steel input shaft
- IP68
- Position indicator
- Interlock



Material Specification

No.	Part name	Material				
		GB	ASTM/AWS	DIN	BS	ISO
1	Hand wheel	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A
2	End cap	ZG280-520	WCB	GS-20Mn5	GP280GH	C26-52
3	Seal			NBR		
4	Input shaft	20CrMnTi		30MnCrTi4		
5	Baseplate	ZG280-520	WCB	GS-20Mn5	GP280GH	C26-52
6	Bevel gear	20CrMnTi		30MnCrTi4		
7	Drive Axle	ZG270-500	485-275	GS-52	A2	270-480
8	Drive Sleeve	ZQSn10-2	C90500	G-CuSn10Zn	G1	CuSn10Zn2
9	Bearing			Thrust ball bearing		
10	Lock Nut	45	1045	C45E CK45	C45E 080M46	C45E4
11	Housing	ZG280-520	WCB	GS-20Mn5	GP280GH	C26-52
12	Stem Cover	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A

Note: Due to the company's policy of continuous improvement, Stard-Gears reserves the right to change specification details without prior notice.



Main Technical Specifications

Model	SBS10	SBS20	SB-0	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
Ratio	2.3:1	2.35:1	2.6:1	3.6:1	4:1	4.1:1	5.2:1	6.3:1	7.11:1
Thrust Rating max	KG	7061	11020	11735	12245	22000	26020	27040	46122
	N	69200	108000	115000	120000	220000	255000	265000	452000
Input Torque(Nm)	106	172	252	290	414	542	723	810	970
Output Torque(Nm)	220	365	590	930	1490	2000	3400	4600	6200
Efficiency(%)	91	89	88	89	90	90	90	90	90
M.A.(±10%)	2.1	2.1	2.3	3.2	3.6	3.7	4.7	5.7	6.4

Valve Connection

Max Stem Diameter	T-thread	25	32	40	46	48	65	70	105	120
	KEY	23	30	35	43	45	60	65	95	110
Valve Connection Flange		F10	F10	F12	F16	F16	F25	F25	F30	F30
		F10	F12	F14	F16	F20	F25	F30	F35	F35 F40

Dimension table

ΦD	Φ146	Φ165	Φ185	Φ210	Φ258	Φ292	Φ385	Φ487	Φ550
H1	44	56.5	58.7	71.5	85	81.5	111	163.5	150
H2	115.3	124.5	124.5	130	167	163	220	273.5	277
L	191	216	229.8	256.5	212	250.2	303	368.2	400
L1	34	34	34	34	53	53	53	53	55
L2	251	276	297.8	324.5	320	358.2	494	559.2	591
Φ	Φ250	Φ300	Φ400	Φ500	Φ630	Φ710	Φ800	Φ900	Φ900