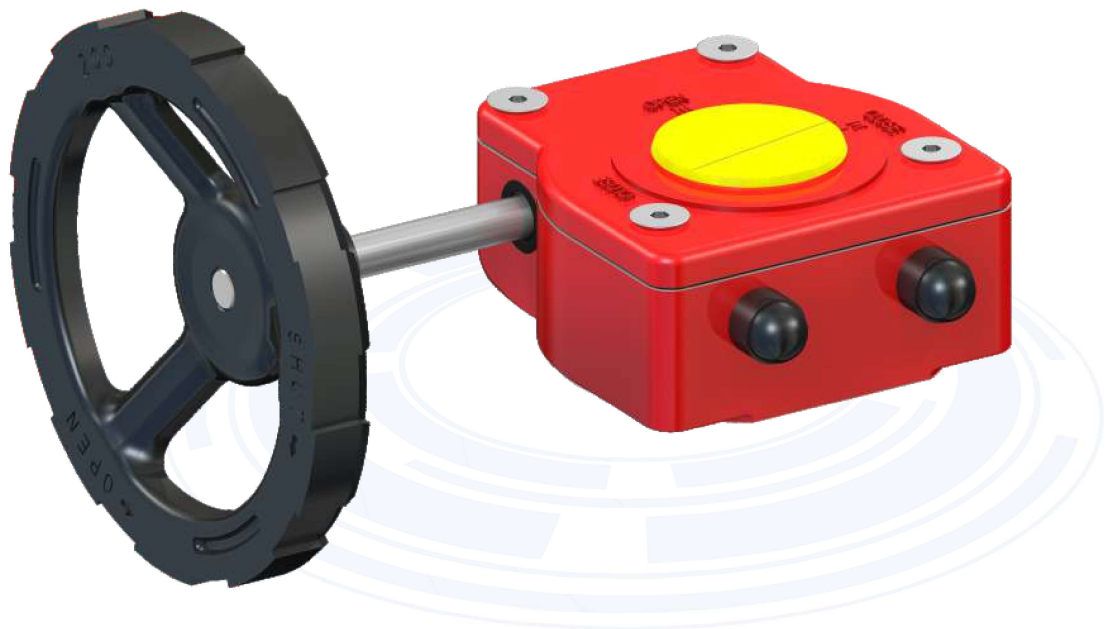

Lightweight aluminium alloy part-turn gearbox, suitable for manual valves with low torque in waterworks, power plants, air ducts, fire protection, etc. Can also be used for small part-turn valves such as butterfly valves, ball valves, and plug valves.

Torque range: 150Nm~1200Nm

4 sizes. Ratios from: 37:1 to 45:1

SD Series

Aluminium Worm Gearbox

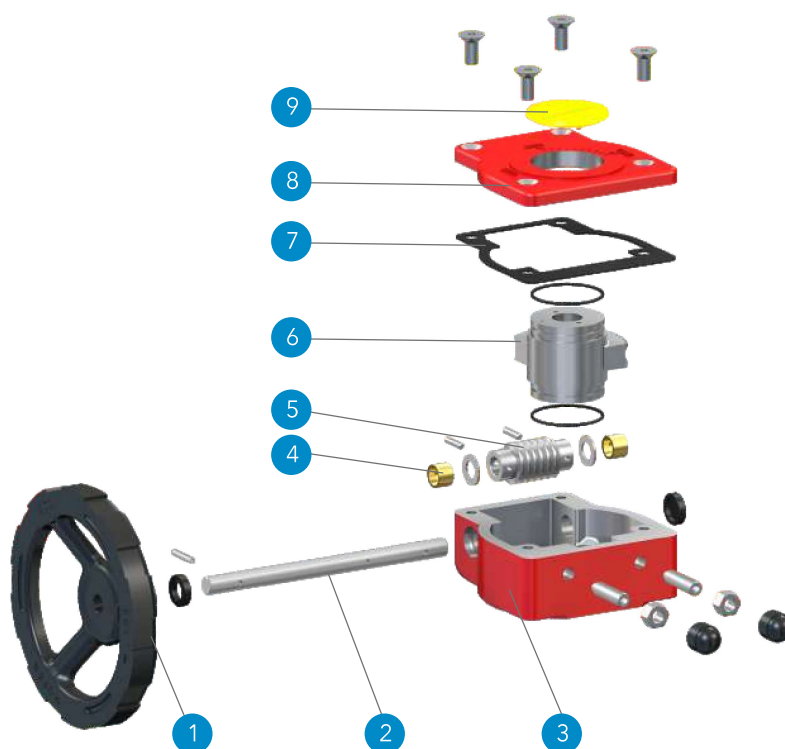


Features:

- Lightweight design
- Carbon steel input shaft
- Self-locking
- IP65
- Aluminium alloy housing
- Standard temperature range: -20°C~120°C

Options:

- Stainless steel input shaft
- IP67/IP68
- Change of handwheel diameter
- Locking device



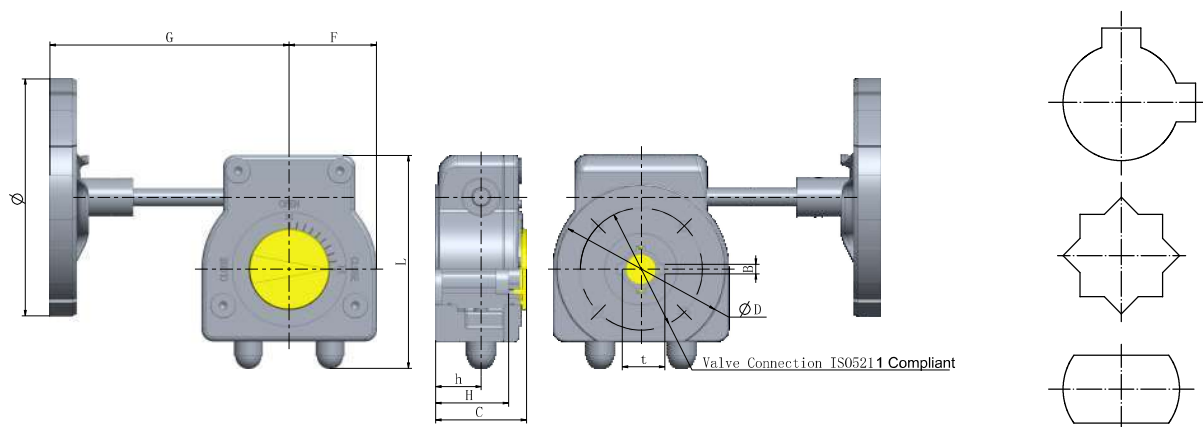
Material Specification

No.	Part name	Material				
		GB	ASTM/AWS	DIN	BS	ISO
1	Hand wheel	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A
2	Input shaft	45	1045	C45E CK45	C45E 080M46	C45E4
3	Body	ZL102	A14130	G-ALSi12	LM20	ALSi12
4	Bearing	Oil free bearing				
5	Worm	45	1045	C45E CK45	C45E 080M46	C45E4
6	Quadrant	QT500-7	88-55-06	GGG-50	500/7	500-7
7	Seal					
8	Coverplate	ZL102	A14130	G-ALSi12	LM20	ALSi12
9	Position Indicator	PA66				

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	Ratio	Input Torque (Nm)	Output Torque (Nm)	Efficiency(%)	M.A.(±10%)
SD-10	40:1	16.5	150	22.75	9.1
SD-15	37:1	25	250	27	10.0
SD-50	45:1	55	750	30	13.6
SD-120	40:1	100	1200	30	12.0



SD Aluminium Worm Gearbox Dimensions

Model	Max Stem Diameter	Valve Connection	ΦD	B	t	h	H	C	F	G	L	ΦHW
SD-10	Φ22	F05F07	Φ80	6	24.8	26	50	53	40	108	111	Φ100
SD-15	Φ30	F07	Φ89	8	33.3	27	48	60	50	180	132	Φ120
SD-50	Φ42	F10	Φ140	12	45.3	38	61	76	73	223.5	178	Φ200
SD-120	Φ50	F12	Φ175	14	53.8	39.5	80	86	87.5	266	214	Φ300