
Multi-turn gearbox with worm gear construction. Used for manual operation of linear pneumatic actuators in case of loss of power source. Can be mounted between the pneumatic actuator and the valve, or on top of the pneumatic actuator.
Thrust range: 50KN~150KN
3 sizes. Ratios from 22:1 to 50:1

MVS Series

Pneumatic Actuator Manual Override

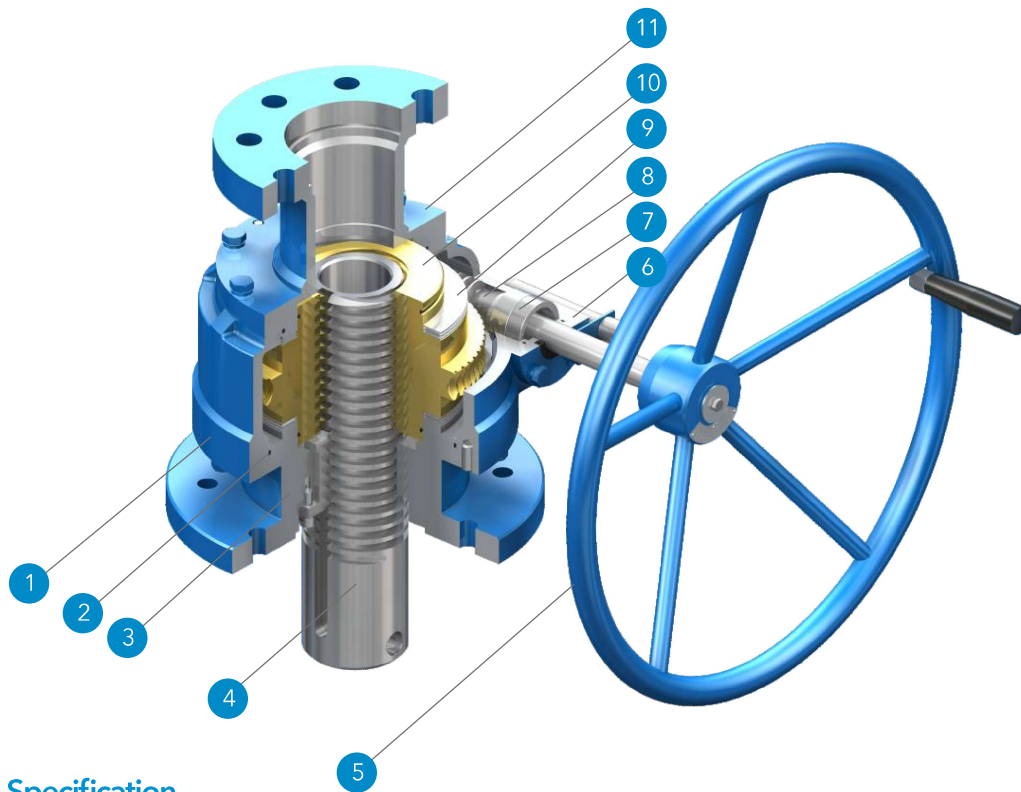


Features:

Ductile Iron Quadrant
IP67

Options:

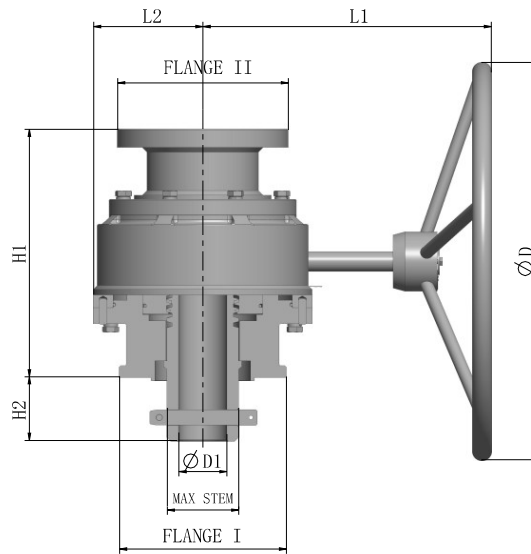
Bronze worm gear quadrant



Material Specification

No.	Part name	Material				
		GB	ASTM/AWS	DIN	BS	ISO
1	Housing	ZG280-520	WCB	GS-20Mn5	GP280GH	C26-52
2	Seal			NBR		
3	Baseplate	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A
4	Drive screw	40Cr	G51400	41Cr4	530A40 530M40	41Cr4
5	Handwheel	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A
6	Side Cover	Q235A	A570 Gr.A	S235JR	S235JR	Fe 360A
7	Bearing I			Tapered Roller Bearings		
8	Worm	45	1045	C45E CK45	C45E 080M46	C45E4
9	Bearing II			Thrust Needle Bearing		
10	Worm gear	QT500-7	88-55-06	GGG-50	500/7	500-7
	Worm gear(Optional)	ZQAI10-3	C95200	C75200		ZCuAl10Fe3
11	Top Bracket	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	MVS-5	MVS-10	MVS-15
Ratio	22:1	35:1	50:1
Thrust Rating max	KG	5000	10000
	N	50000	100000
Rating Input Torque(Nm)	46	65	70
Handwheel Diameter(mm)	Φ400	Φ500	Φ500
Handwheel rim force(N)	230	260	280

Connection Size

Max Stem Diameter	T-thread TW	75	90	90 5
Flange I	Valve Connection (Customized)			
Flange II	Actuator Connection (Customized)			

Dimension Table

ΦD	Φ400	Φ500	Φ500
ΦD1	Allows customization		
H1	Allows customization		
H2	Allows customization		
L1	239	363	375
L2	90	137.5	182.5