

Gear Box as Part Turn Valve Actuator

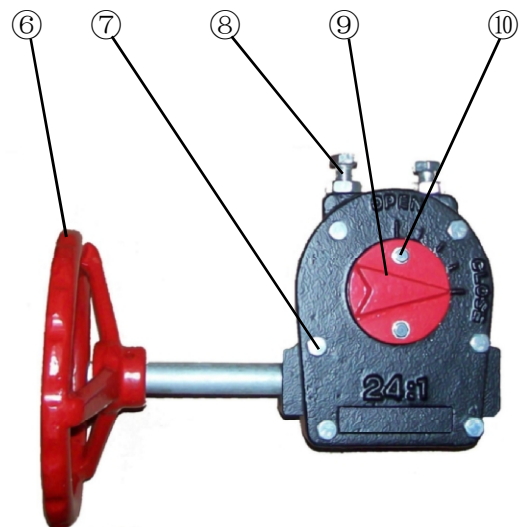
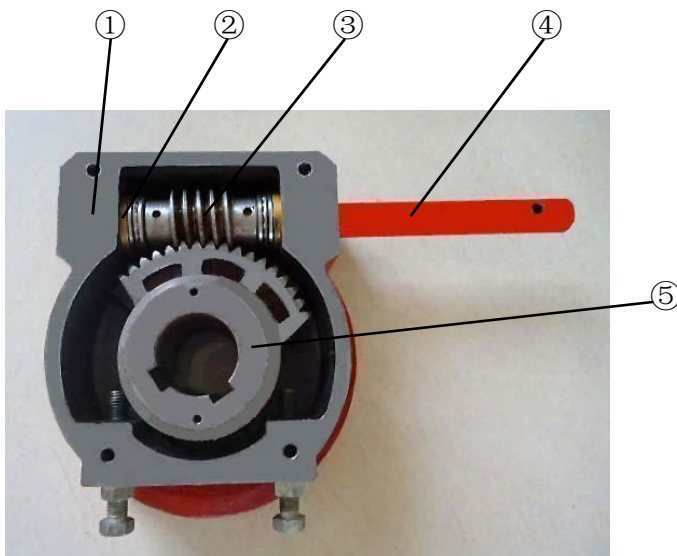


Conforming Standard

The Gear Boxes as Part Turn Valve Actuator are designed and manufactured according to ISO 5211 : 2001

Suitable Valves

As an actuator, the gear boxes are suitable for Part Turn industrial valves including Butterfly Valves, Ball Valves, Plug Valves etc.



Part & Material

No.	Part Name	Material	Grade
1	Body	Grey Cast Iron	EN 1561: 1997 EN-JGL-200
2	Busing	Brass	DIN 17660:1974 CuZn37
3	Worm Shaft	Ductile Cast Iron	EN 1563: 2005 EN-GJS-450-10
4	Handle Stem	Carbon Steel / Stainless Steel	DIN 17200 / JIS C45 / SUS 304
5	Worm Gear	Ductile Cast Iron	EN 1563: 2005 EN-GJS-450-10

No.	Part Name	Material	Grade
6	Handle	Grey Cast Iron	EN 1561: 1997 EN-JGL-200
7	Bolt	Carbon Steel / Stainless Steel	DIN 17200 / JIS C20 / SUS 304
8	Adjusting Bot / Nut	Carbon Steel / Stainless Steel	DIN 17200 / JIS C20 / SUS 304
9	Indicator	Grey Cast Iron	EN 1561: 1997 EN-JGL-200
10	Bolt	Carbon Steel / Stainless Steel	DIN 17200 / JIS C20 / SUS 304



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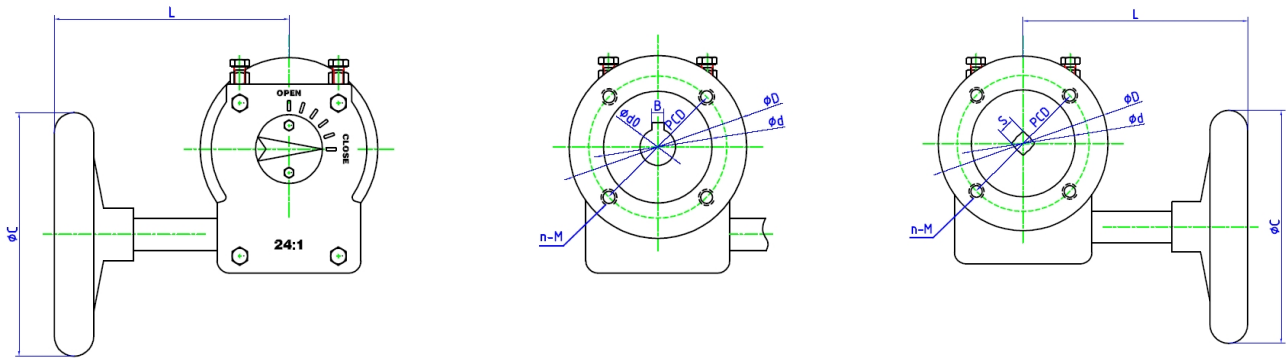
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Gear Box as Part Turn Valve Actuator



Main Dimensions and Max. Torque for drive by diagonal square head

Model	Ratio	Flange						Drive		Handle	Shaft	Max. Torque
		ISO Code	PCD	D	d	Bol t	n	□ s	C	L	Nm	
24F07D9-120	24: 1	F07	70	90	55	M8	4	9x9	120	119	250	
24F07D11-120								11x11				
24F07D14-175								175	14x14			
24F07D17-175									17x17			
30F10D14-175	30: 1	F10	102	125	70	M10	4	14x14	175	200	500	
30F10D17-250								17x17	250	225		
30F10D22-250								22x22	250	225		
30F12D22-175								175	200	22x22		1000
30F12D22-250										22x22		
50F12D22-350	50: 1	F12	125	150	85	M12	4	22x22	350	285	1000	
50F12D27-350								27x27				
50F14D27-350								27x27			2000	
50F14D36-350												36x36

Main Dimensions and Max. Torque for drive by key(s)

Model	Ratio	Flange						Drive		Handle	Shaft	Max. Torque						
		ISO Code	PCD	D	d	Bol t	n	d0	B	C	L	Nm						
24F07V18-120	24: 1	F07	70	90	55	M8	4	18	6	120	119	250						
24F07V22-120								22	6									
30F10V18-175	30: 1	F10	102	125	70	M10	4	18	6	175	200	500						
30F10V22-250								22	6	250	225							
30F10V36-250								36	10	250	225							
50F14V36-350	50: 1	F14	140	175	100	M16	4	36	10	350	285	2000						
50F14V42-350								42	12									
50F16W48-350								F16	165			210	130	M20	4	48	14	4000
50F16W72-350																72	20	
64F25W60-350	64: 1	F25	200	300	254	M16	8	60	18	350	285	8000						
64F25W80-350								80	22									
78F25W60-350	78: 1	F25	200	300	254	M16	8	60	18	350	285	8000						
78F25W80-350								80	22									
316F25W60-350	316: 1	F25	200	300	254	M16	8	60	18	350	285	8000						
316F25W80-350								80	22									



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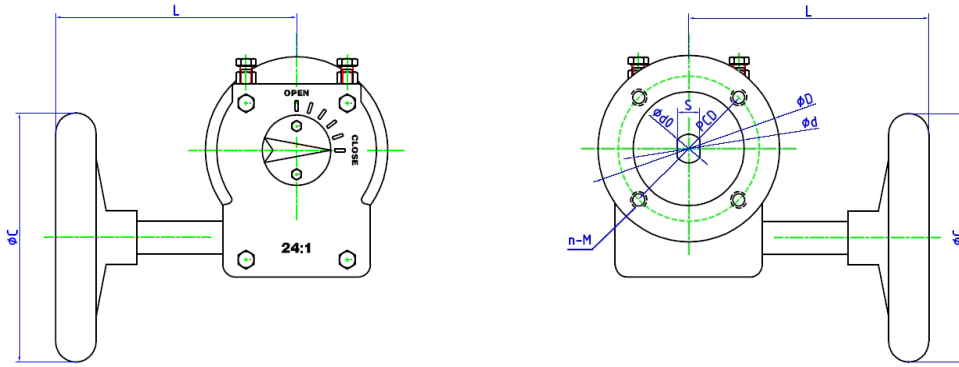
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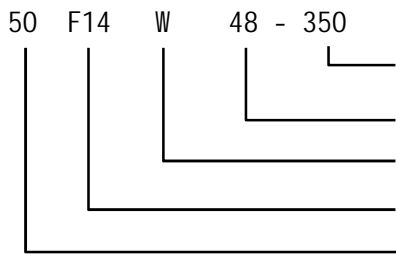


Main Dimensions and Max. Torque for drive by flat head

Model	Ratio	Flange						Drive		Handle	Shaft	Max. Torque
		ISO Code	PCD	D	d	Bol t	n	d0	s	C	L	Nm
24F07H11-120	24:1	F07	70	90	55	M8	4	14.1	11	120	119	250
24F07H14-120								18.1	14			
24F07H11-175								14.1	11	175	128	
24F07H14-175								18.1	14			
30F10H17-175	30:1	F10	102	125	70	M10	4	22.2	17	175	200	500
30F10H19-250								25.2	19	250	225	
30F10H22-250								28.2	22	250	225	
30F12H19-175								F12	125	150	85	
30F12H22-250	28.2	22	250	225								
50F12H19-350	50:1	F12	125	150	85	M12	4	25.2	19	350	285	1000
50F12H22-350								28.2	22			
50F14H22-350		F14	140	175	100	M16	4	28.2	22			2000
50F14H27-350								36.2	27			

Description for our Models

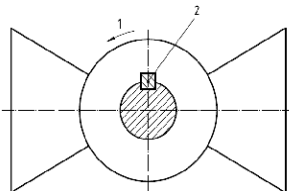
Example:



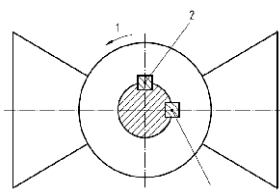
Handle Diameter
Main Dimension of drive
Drive Type
Flange Code of ISO 5211
Speed Ratio

D: Diagonal square head
V: Single key
W: Double keys
H: Flat head

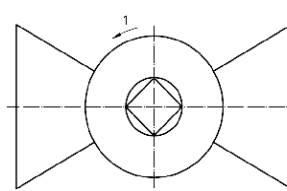
Position of driven components at interface below part-turn actuator



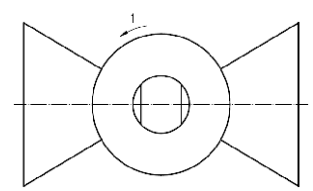
1 Opening direction 2 Key
V type: single key



1 Opening direction
2 Primary Key 3 secondary key
W type: double keys



1 Opening direction
D type: diagonal square head



1 Opening direction
H type: flat head



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