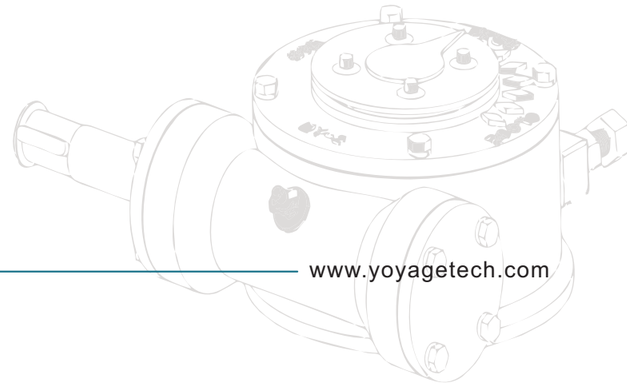
YOYAGE

Valve Gearbox



www.yoyagetech.com

YOYAGE

YOYAGE MACHINERY TECHNOLOGY CO., LTD.

ADD : TangTou Industrial Park Oubei Town
Wenzhou.Zhejiang,China

TEL：+86 18058832860 +86 577-66991988

E-mail:harold@yoyagetech.com

www.yoyagetech.com









YOYAGE MACHINERY TECHNOLOGY CO., LTD.

CONTENTS



YOYAGE

- About YOYAGE
- Quality Assurance
- Engineering Case
- Qualification Certificate
- Testing Report
- Production Equipment
- Product Display

YZ-S	Series Quarter turn manual gear actuator	01
YZ	Series Quarter turn manual gear actuator	03
MY	Series Quarter turn manual gear actuator	04
QDX3	Series Quarter turn manual gear actuator	05
HXH	Series Partial swing gearbox	07
HX	Series Quarter turn manual gear actuator	08
HX-S	Series Quarter turn manual gear actuator	09
YZ-SS	Series Partial swing gearbox	11
MY-1S	Series Quarter turn manual gear actuator	13
MY-S	Series Quarter turn manual gear actuator	15
YZ-G	Series Worm+Bevel gear actuator	16
YZ-1S-L	Series Quarter turn manual gear actuator	17
SD	SD Series pneumatic valve manual mechanism	19
ZHX	Series Quarter turn manual gear actuator	21
MY-F	Series Quarter turn declutchable type manual gear actuator	22
YZ-L	Series Quarter turn manual gear actuator	23
ZH-Q	Series Multi-turn manual gear actuator	24
ZH	Series Multi-turn manual gear actuator	25
ZH-1S	Series Multi-turn manual gear actuator	27
BA	Series Multi-turn manual gear actuator	29
MY-V	Series Multi-turn manual gear actuator	31
MY-V-1S	Series Multi-turn manual gear actuator	32
MY-V-Q	Series Multi-turn manual gear actuator	33
MY-SS	Series Multi-turn gear actuator	35
MY-S-Q	Series Multi-turn manual gear actuator	37
CK	Series Multi-turn manual gear actuator	39
CK-1S	Series Multi-turn manual gear actuator	40
BA-L	Series Multi-turn manual gear actuator	41
BA-Z	Series Multi-turn gear actuator with indicator	42
BA-G	Series Multi-turn manual gear actuator	43
YZ-ZC	Series Multi-turn manual gear actuator	44
YZ-SD	Series Quarter turn electric gear actuator	45
YZ-D	Series Quarter turn electric gear actuator	49
MY-D	Series Quarter turn electric gear actuator	50
MY-1-SD	Series Quarter turn electric gear actuator	51
MY-V-SD	Series Multi-turn electric gear actuator	55
MY-SD-Q	Series Multi-turn electric gear actuator	58
MY-V-D	Series Multi-turn electric gear actuator	62
MY-V-D-Q	Series Multi-turn electric gear actuator	63
RK-DZ	Series Multi-turn manual gear actuator	65
QJ	Series Spherical hinge	67
YZ-JZ	Series Gearbox with mounting base and lever arm	68
YZ-ZC-D	Series Multi-turn electric gear actuator	69
MY-YZ	Handwheel size	70
YZ-XT-S	Series Straight stroke linear thruster	71
YZ-XT	Series Straight stroke linear thruster	72

ABOUT YOYAGE

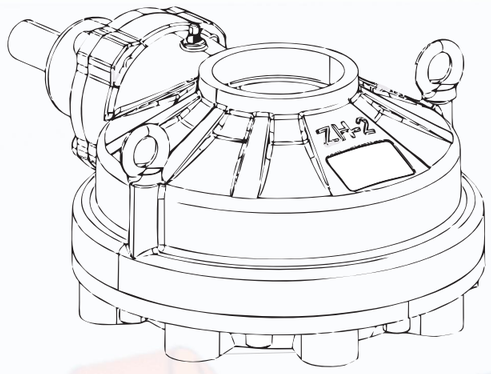
YOYAGE Tech is a professional manufacturer of gearbox for industrial valves, located in the "Valve Town" Wenzhou Oubei.

Our company occupies a space of 5920 sq. meters of land, with the building area 9980 sq. meters. We have advanced and efficient equipments like CNC. Products had passed CE and ISO 9001 quality system certification, and we own nine design and invention patents. Producing standard for multi-turn gearbox is GB/T12222-2005(idt ISO 5210:1991)and for quarter turn gearbox is GB/ T 12223-2005(idt ISO 5211:2001).

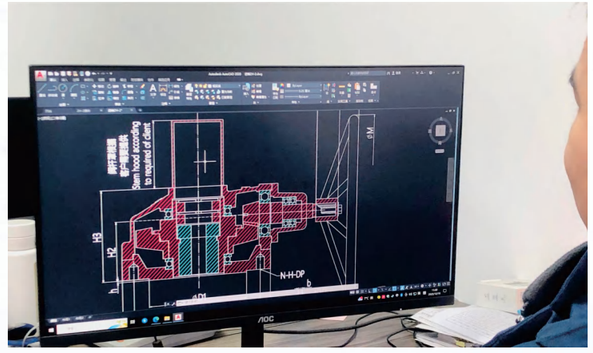
Our gearbox can be used in gate valve, check valve, butterfly valve, ball valve and plug valve etc, also it can be worked combine with Electric actuator, Pneumatic actuator, Hydraulic actuator. Major materials for gearbox Housing are: CF8M, CF8, LCB, LC1, WCB, ASTM A536 65-45-12 ect, stem but and gear:D2, H94, H62 and ASTM A536 65-45-12,All products can be adjusted according to customer's requirements of ratio, temperature, protection grade, anti corrosion grade, Customers are from domestic famous valve factory, Russia, Brazil, America and Australia etc.

With the quality concept of "Surpass China, Gear with the international standards",we will continue our efforts to expand our product with the most innovative automation products on the market,











VALUES

Passion Innovation Sincerity Win-win

PRODUCTION

EQUIPMENT











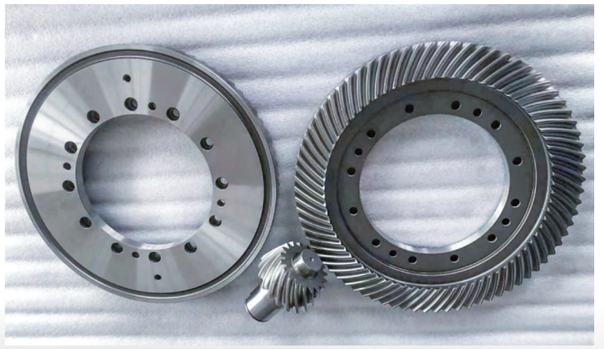




YOYAGE

YOYAGE In the pursuit of accuracy and refinement of production. Constantly improve their lean production, Including each component, Strictly according to the standard meticulously, To ensure product quality.





TESTING REPORT

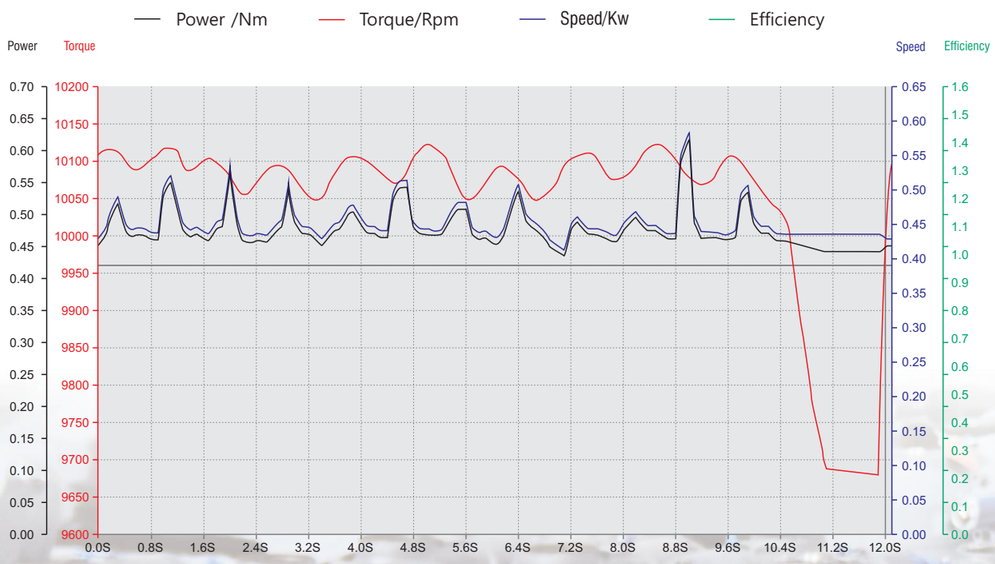
Gearbox Torque Test Report

■ Peak record

	Torque/Nm	Speed/Rpm	Power/Kw	Efficiency
Plugging point	10123.624	0.444	0.47	0.3
	10077.444	0.585	0.618	0.3
	10077.444	0.585	0.618	0.3
	9680.075	0.436	0.442	0.3

Remarks: Ratio 55:1

■ Test oscillogram



PRODUCT DISPLAY



Multiaxial output quarter turn electric gear actuator



Multi-turn electric gear actuator



Multi-turn manual gear actuator with opening instructions



Quarter turn manual gear actuator



Quarter turn electric gear actuator



Quarter turn electric gear actuator



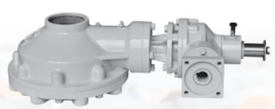
Multi-turn electric gear actuator



Multi-turn single stage gear actuator



Multi-turn electric gear actuator



Manual and hydraulic double action bevel gearbox



Quarter turn vertical operation type gear actuator



Quarter turn chain wheel operational gear actuator

ENGINEERING

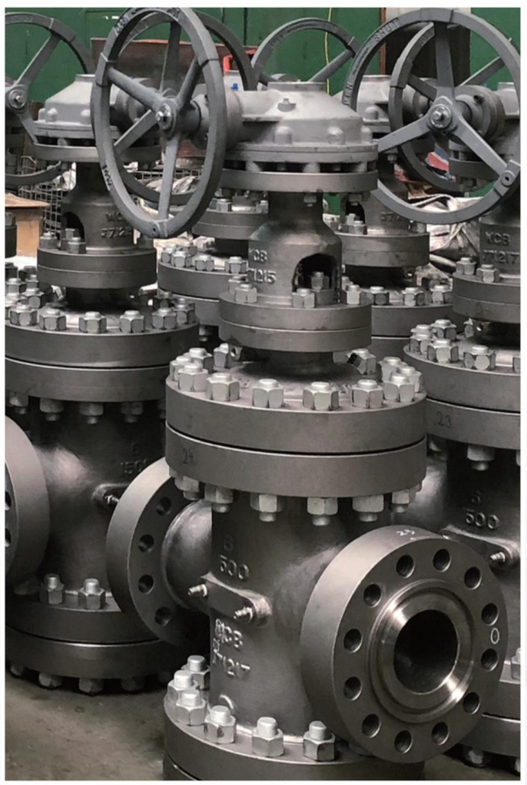
CASE











Focus on a large number of quality customers of major projects continue to take root, blossom and bear fruit, we understand valve actuators, more understand your needs.

NEW PRODUCT
RECOMMENDATION

Double speed ratio gear box

1 High output torque

2 High transmission efficiency

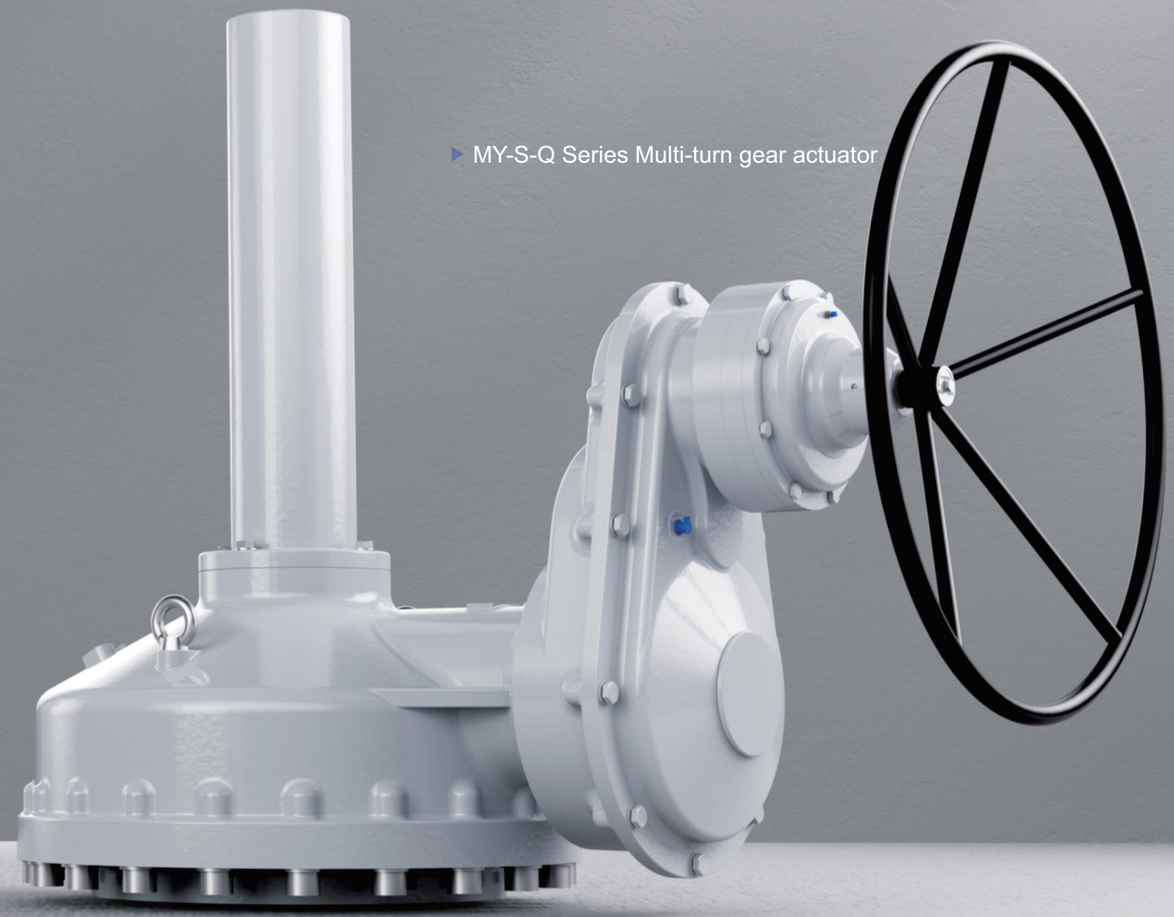
3 Switching speed is 4-10 times faster

4 Switching speed ratio is easy to operate

It can be used as IP67, IP68 or submerged underwater



▶ YZ-SS Series Partial swing gearbox



▶ MY-S-Q Series Multi-turn gear actuator

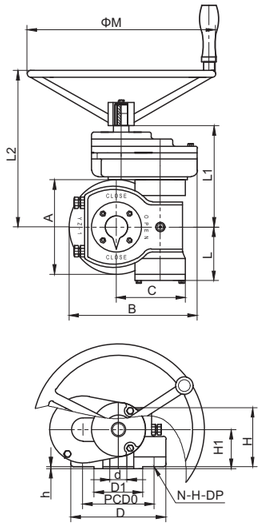
YZ-S

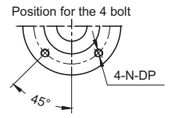
YOYAGE

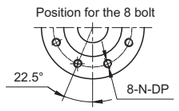
YZ-S Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP67. For special environment can be done IP68 and immersion.

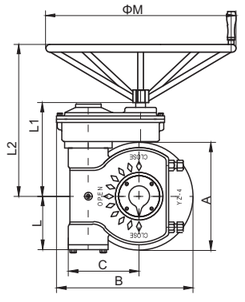


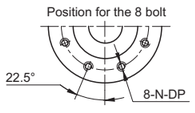


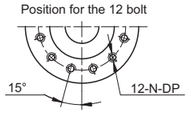


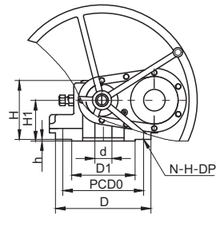


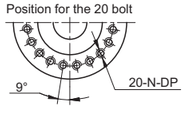


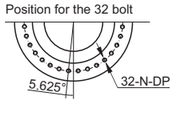












YZ-S

YOYAGE

YZ-S Series Quarter turn manual gear actuator

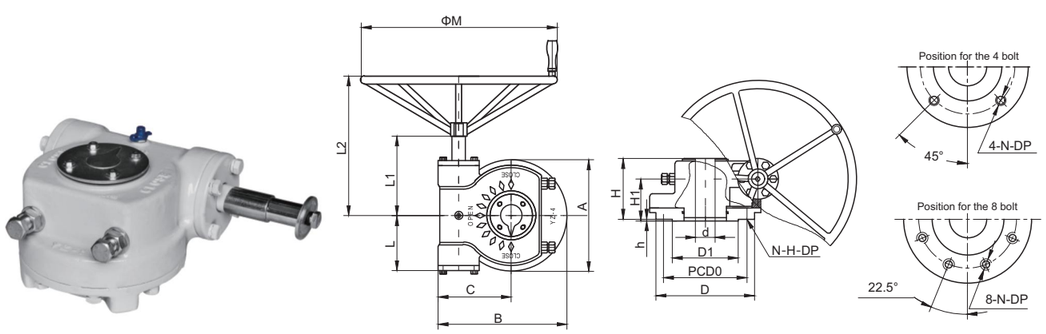
Model		YZ-1-S	YZ-2-S	YZ-2J-S	YZ-3-S	YZ-3J-S	YZ-4-S	YZ-4J-S	YZ-5-S	YZ-5J-S	YZ-6-S	YZ-6J-S	YZ-7-S	YZ-7X-S	YZ-7J-S	YZ-8-S	YZ-8J-S	YZ-9-S	YZ-9J-S	YZ-10-S	YZ-11-S	YZ-12-S
TECHNICAL-PARAMETERS																						
Ratio		78:1	78:1	127:1	200:1	375:1	495:1	798:1	868:1	938:1	1100:1	2067:1	2260:1	3030:1	3960:1	5535:1	5900:1	7760:1	8526:1	9660:1	14130:1	19320:1
Max-torque	N·m	1300	1600	3000	4500	7500	12000	16500	23000	28000	32000	48000	63000	80000	100000	140000	190000	250000	350000	400000	650000	850000
	kgf·M	132	204	306	612	765	1124	1684	2346	2857	3265	4898	6428	8163	10204	14285	19388	25510	35714	40816	66326	86734
Input torque N.m		69	85	91	90	85	93	86	110	106	104	106	110	110	110	110	140	140	180	180	200	200
CONNECTION-SIZE																						
FLANGE		F12	F14	F16	F16	F20	F25	F30	F30	F35	F35	F40	F40	F48	F48	F48	F60	F60	F60	F80	F100	F100
Flange / Dia. (D)		150	175	210	210	250	300	350	350	415	415	475	475	560	560	560	686	686	686	900	1200	1200
Bolt Circle Dia. (PCD D0)	D0	125	140	165	165	205	254	298	298	356	356	406	406	483	483	483	603	603	603	813	1042	1042
	N-H-DP	4-M12 -18	4-M16 -20	4-M20 -30	4-M20 -30	8-M16-24	8-M16 -24	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -40	8-M36 -54	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54	20-M36 -54	20-M42 -65	32-M42 -65	32-M42 -65
Convex (D1×h)		85×3	100×4	130×5	130×5	140×5	200×5	230×5	230×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8	470×8	670×10	870X10	870X10
Max stem dia.(d)		42 12×8	50 14×9	60 18×11	60 18×11	75 22×14	90 25×14	110 28×16	110 28×16	120 32×18	120 32×18	145 40×22	160 40×22	170 45×25	180 45×25	200 50×28	210 50×28	220 50×28	270 63×32	300 70×36	380 80×40	420 90×45
APPEARANCE-SIZE																						
A		150	175	210	225	300	340	350	390	430	470	560	590	620	660	730	770	800	1030	1150	1550	1830
B		204	226	245	300	331	430	418	468	488	595	637	765	705	735	895	910	995	1290	1405	1730	2085
C		110	120	140	125	186	222	243	232	275	298	357	375	395	405	452	525	535	680	710	955	1170
L		85	95	115	122	148	167	185	187	225	232	280	295	315	340	365	395	420	530	475	770	820
L1		161	171	244	249	305	317.5	371.5	370.5	406.5	373.5	459	469	757	777.5	787.5	894	915	1016	1046	1431	1676
L2		251	261	334	339	405	417.5	471.5	470.5	506.5	573.5	659	669	957	977.5	987.5	1094	1115	1216	1246	1631	1876
H		105	114	132	154	155	185	185	190	195	200	243	244	270	292	305	380	400	428	415	555	655
H1		68	78	93	106	105	127	122	120	132	127	145	153	167	193	208	215	250	261	263	355	410
ΦM		300	350	400	400	500	500	500	600	600	650	650	700	750	750	750	800	800	1200	1000	1200	1200

YZ

YOYAGE

YZ Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. The gearboxes output torque according to mounting flange allowed torque. Stem diameter and height adapt international standard. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP67. For special environment can be done IP68 and immersion.



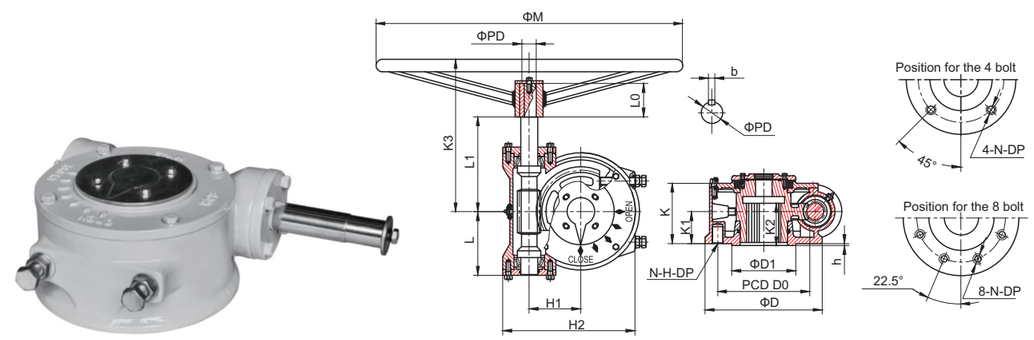
Model		YZ-0	YZ-1	YZ-2	YZ-2J	YZ-3	YZ-3J	YZ-4	YZ-4J	YZ-5	YZ-5J	YZ-6
TECHNICAL-PARAMETERS												
Ratio		34:1	44:1	44:1	50:1	50:1	53:1	55:1	67:1	62:1	67:1	65:1
Max-torque	N·m	500	1000	1500	2500	3200	4500	4950	5200	5580	6030	6825
	kgf·M	51	102	153	255	327	459	505	530	569	615	696
Input torque N.m		50	90	115	166	215	300	300	258	300	300	350
CONNECTION-SIZE												
Flange		F10	F12	F14	F16	F16	F16/F20	F25	F30	F30	F35	F35
Flange/ Dia. (D)		125	150	175	210	210	250	300	350	350	415	415
Bolt Circle Dia. (PCD D0)	D0	102	125	140	165	165	205	254	298	298	356	356
	N-H-DP	4-M10-15	4-M12-18	4-M16-20	4-M20-30	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M20-30	8-M30-45	8-M30-40
Convex (D1×h)		70×3	85×3	100×4	130×5	130×5	140×5	200×5	230×5	230×5	260×5	260×5
Max stem dia.(d)		30 8×7	42 12×8	50 14×9	60 18×11	60 18×11	75 25×14	90 22×14	110 28×16	110 28×16	120 32×18	120 32×18
APPEARANCE-SIZE												
A		125	150	175	210	225	300	340	350	390	430	470
B		156	185	207	245	265	331	393	418	427	488	532
C		90	110	120	140	125	186	222	243	232	275	298
L		80	85	95	115	122	147	167	185	187	225	232
L1		120	133	155	189	205	240	242.5	270	287	325	332
L2		210	223	245	279	305	340	342.5	470	487	525	532
H		100	105	114	132	154	155	185	185	190	195	200
H1		70	68	78	93	106	105	127	122	120	132	127
ΦM		250	350	400	450	500	600	600	650	750	800	900

MY

YOYAGE

MY Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP67. For special environment can be done IP68 and immersion.



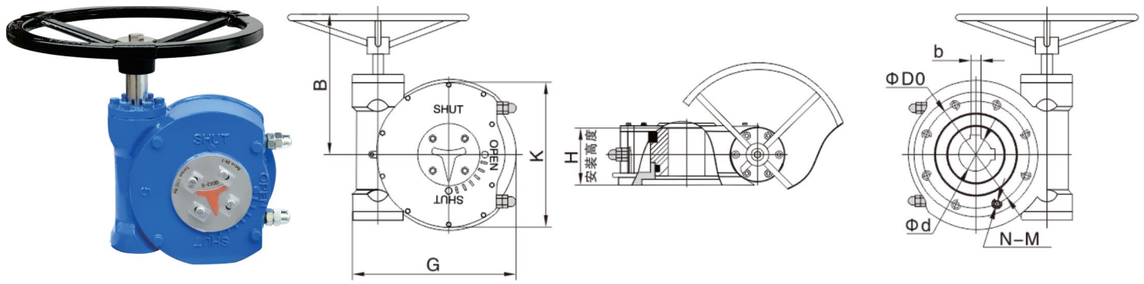
Model		MY-000	MY-00	MY-0	MY-1	MY-2	MY-3	MY-4	MY-5	MY-6
TECHNICAL-PARAMETERS										
Ratio		24:1	33:1	39:1	46:1	49:1	53:1	60:1	62:1	68:1
Max-torque	N·m	300	500	980	1600	2700	4200	5600	7000	8500
	kgf·M	31	51	100	143	255	478	617	714	867
Input torque N.m		41	50	85	115	185	255	315	380	425
CONNECTION-SIZE										
FLANGE		F07	F10	F12	F14	F16	(F20)	F25	F30	F35
Flange/ Dia. (D)		90	125	150	175	210	250	300	350	415
Bolt Circle Dia.(PCD D0)	D0	70	102	125	140	165	205	254	298	356
	N-H-DP	4-M8-15	4-M10-15	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-27	8-M30-45
Convex (D1×h)		55×3	70×3	85×3	100×4	130×5	140×5	200×5	230×5	260×5
Max stem dia.(d)		20 6×6	30 8×7	38 10×8	45 14×9	55 16×10	65 20×12	80 22×14	105 28×16	115 32×18
APPEARANCE-SIZE										
H1		41	55	66	75	92	111	145	160	200
H2		124	151	208	230	270	303	373	420	495
K		75	70	89	89	108	110	140	140	179
K1		40	43	51	52	63	61	85	87	110
K2			42	47	58	62	60	100	102	112
K3		195	200	224.5	237.5	279	307	337	498	532
L		65	70	83	92	113	125	160	197	230
L1		105	110	134.5	147.5	189	207	237	298	332
handwheel	PD	15	15	21	21	28	28	28	45	45
	(b)key	5	5	6	6	8	8	8	12	12
	L0	32	32	36	36	46	46	46	61	61
	M	250	250	300	350	450	500	600	650	700

QDX3

YOYAGE

QDX3 Series Quarter turn manual gear actuator

This series of products is 90°(±5°adjusted) quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves etc. Housing material is ductile iron (ASTM A536 65-45-12). New design, nice appearance. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Environment temperature:-20℃ to +120 ℃(-4°F to +248°F)



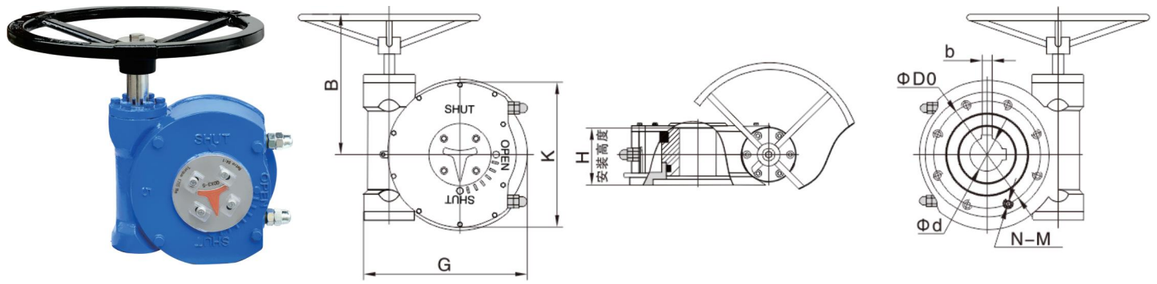
Model	TECHNICAL-PARAMETERS			CONNECTION-SIZE						APPEARANCE-SIZE				
	Ratio	Input torque N.m	Output torque N.m	Flange / Dia. (D)	Bolt Circle Dia. (PCD D0)	Bolt Spec (N-M-DP)	Convex (D1×h)	Std. Stem Bore (S)	Max stem dia.(d)	B	G	K	H	Hand wheel
2	30：1	50	400	F07/90	70	M8*4	55*4	16*5*1	20	144	132	112	52	190
3	42：1	70	800	F10/125	102	M10*4	70*4	24*8*1	28	167	169	146	62	240
4	43：1	120	1500	F12/150	125	M12*4	85*4	30*10*1	38	188	203	175	68	270
5	54：1	130	2000	F14/175	140	M16*4	100*4	36*10*1	42	215	245	212	75	310
6	64：1	160	3000	F14/210	140	M16*4	100*4	40*12*2	55	254	292	243	105	340
				F16/210	165	M20*4	130*5							
S6	624：1	100	6500	F14/210	140	M16*4		45*14*2		324				340
				F16/210	165	M20*4	130*5							
6D	72：1	170	3500	Φ230	185	M20*4	150*5	45*14*2	58	270	314	266	110	400
7	78：1	180	4000	F16/260	165	M20*4	130*5	50*16*2	62	278	338	292	110	400
				Φ260	200	M16*8	160*5							
S7	650：1	120	9000	F16/260	165	M16*4	130*5	55*16*2		348				340
				Φ260	200	M16*8	160*5							
S8	765：1	150	13000	Φ300	250	M16*8		60*18*2	72	392	378	330	120	400
				F25/300	254	M20*8	200*5							
S9	900：1	160	17000	F25/350	254	M30*8	230*5	80*22*2	93	415	433	382	135	510
				F30/350	298	M30*8	230*5							
S9D	997：1	210	25000	F35/415	356	M20*12	260*5	90*25*2	105	415	531	472	135	510
				Φ415	356	M20*8	260*5							
S10	1120：1	220	29000	Φ415	298	M20*12	260*5	90*25*2	105	496	522	475	150	510
				F35/415	356	M30*8	260*5							
				Φ415	356	M20*12	260*5							
S10D	1560：1	190	35000	F40/475	406	M36*8	300*8	100*28*2	125	460	597	550	150	510
				Φ475	406	M20*12	300*8							
S11	1776：1	190	40000	Φ475	356	M36*8	300*8	110*28*2	125	565	612	568	180	590
				Φ475	356	M20*12	300*8							
				F40/475	406	M36*8	300*8							
				Φ475	406	M36*12	300*8							
S11D	2774：1	170	55000	Φ560	406	M36*8	370*8	120*32*2	150	565	696	646	180	590
				Φ560	483	M20*12	370*8							
				F48/560	403	M36*12	370*8							
S12	2698：1	220	70000	Φ560	406	M36*8	370*8	130*32*2	150	639	717	675	195	590
				Φ560	406	M36*8	370*8							
				F48/560	483	M20*12	370*8							
				Φ560	483	M36*12	370*8							
S12D	2964：1	260	90000	Φ650	483	M36*12		150*36*2	180	639	789	754	195	590
				Φ650	590	M36*12	490*8							
S13	3344：1	280	110000	Φ650	483	M36*12		160*40*2	180	789	854	812	230	590
				Φ650	590	M36*12	490*8							
S13D	4539：1	300	160000	F60/683	603	M36*12	470*8	200*45*2	270	839	958	920	285	590
S14	5808：1	300	200000	Φ800	720	M36*12	600*8		430	880	1060	1012	330	590
S15	7425：1	380	330000	Φ1200	603	M42*12	900*10		500		1553	1400	340	590

QDX3-Q

YOYAGE

QDX3-Q Series Quarter turn manual gear actuator

This series of products is 90°(±5°adjusted) quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves etc. Housing material is ductile iron (ASTM A536 65-45-12). New design, nice appearance. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Environment temperature:-20℃ to +120 ℃(-4°F to +248°F)



Model	TECHNICAL-PARAMETERS			CONNECTION-SIZE						APPEARANCE-SIZE				
	Ratio	Input torque N.m	Output torque N.m	Flange / Dia. (D)	Bolt Circle Dia. (PCD D0)	Bolt Spec (N-M-DP)	Convex (D1×h)	Std. Stem Bore (S)	Max stem dia.(d)	B	G	K	H	Hand wheel
Q2	28：1	40	300	F07/90	70	M8*4	55*3	16*5*1	16			110	45	190
Q2D	37：1	40	400	F10/125	102	M10*4	70*3	18*6*1	20			130	50	240
Q3	40：1	50	600	F10/125	102	M10*4	70*3	24*8*1	28			150	60	240
Q4	40：1	75	900	F12/150	125	M12*4	85*3	30*10*1	32			170	60	270
Q4D	47：1	85	1200	F12/160	125	M12*4	85*3	32*10*1	34			190	60	270
Q5	54：1	95	1500	F14/175	140	M16*4	100*4	36*10*1	40			220	70	310
Q6	58：1	135	2300	F16/210	165	M20*4	130*5	40*12*2	45			245	80	340
QS6	360：1	120	5000					45*14*2						310
Q6D	68：1	130	2600	F16/230	165	M20*4	130*5	45*14*2	56			270	90	340
QS6D	422：1	120	5800					50*16*2						310
Q7	78：1	150	3500	Φ260	200	M16*8	160*5	50*16*2	60			300	100	400
QS7	551：1	100	6500					60*18*2						340
Q8	76：1	175	4000	F25/300	254	M16*8	200*5	60*18*2	70			340	110	510
QS8	583：1	120	8000					70*20*2						400
Q9	89：1	170	4500	F30/350	298	M20*8	230*5	80*22*2	85			400	120	510
QS9	682：1	130	10000					80*25*2						400
QS10	1005：1	210	25000	F35/415	356	M30*8	260*5	90*25*2	95			480	160	510

HXH

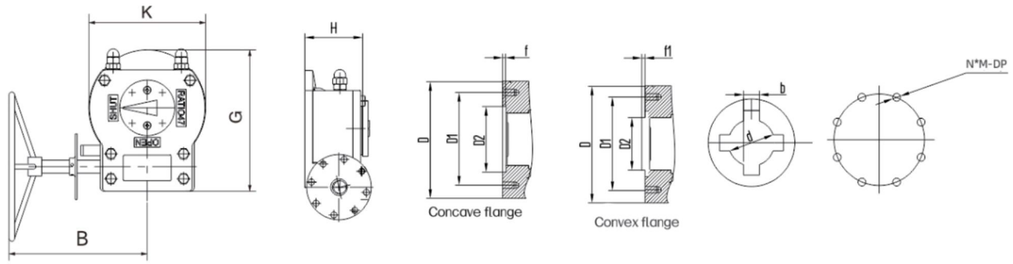
YOYAGE

Light-duty Export-type Split Worm

This series has an elegant appearance and is a 90partial rotation manual drive device.It is applicable to types of valves such as ball valves butterfy valves and plug valves. The box body is made of ductie iron precision casting and the handwheel steel pipe is welded.The product itself is equipped with a locking mechanism,which can prevent others from opening the valve at will when installed outdoors.





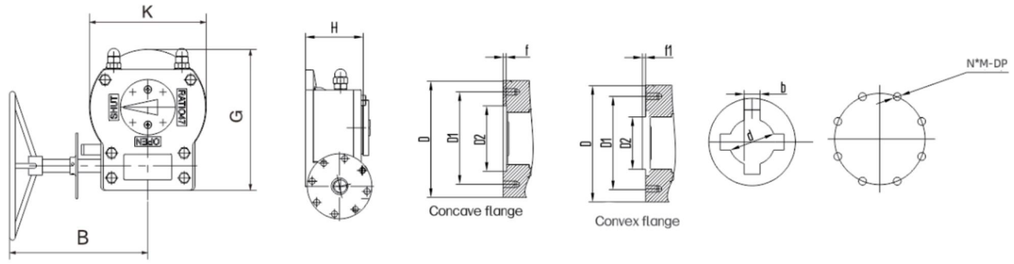


Model	TECHNICAL-PARAMETERS			CONNECTION-SIZE					APPEARANCE-SIZE				
	Ratio	Input torque N.m	Output torque N.m	Flange / Dia. (D)	Bolt Circle Dia. (PCD D1)	Bolt Spec (N-M-DP)	Convex (D1×h)	Max stem dia.(d)	B	G	K	H	Hand wheel
HXH15	29：1	32	260	F07/90	70	M8*4	55*3	15					250
HXH20	37：1	48	520	F07/90	70	M8*4	55*3	22	220	142	105	56	250
				F10/125	102	M10*4	70*3						
HXH21	38：1	75	850	F10/125	102	M10*4	70*3	28	230	163	126	60	300
				F12/150	125	M12*4	85*3						
				F14/175	140	M16*4	100*4						
HXH30	40：1	110	1350	F12/150		M12*4	85*3	43	275	202	152	82	350
				F14/175	140	M16*4	100*4						
				F16/210	165	M20*4	130*5						
HXH55	47：1	135	2000	F12/150	125	M12*4	85*3	50	295	229	176	90	460
				F14/175	140	M16*4	100*4						
				F16/210	165	M20*4	130*5						
HXH58	55：1	140	2500	F14/210	140	M16*4	100*4	55	325	270	200	87	520
				F16/210	165	M20*4	130*5						
				Φ255	200	M16*8	160*5						

HXH

YOYAGE

Light-duty Export-type Split Worm



Model	TECHNICAL-PARAMETERS			CONNECTION-SIZE					APPEARANCE-SIZE				
	Ratio	Input torque N.m	Output torque N.m	Flange / Dia. (D)	Bolt Circle Dia. (PCD D1)	Bolt Spec (N-M-DP)	Convex (D1×h)	Max stem dia.(d)	B	G	K	H	Hand wheel
HXH88	61：1	160	3000	F14/210	140	M16*4	100*4	55	355	285	225	103	520
				F16/210	165	M20*4	130*5						
				Φ255	200	M16*8	160*5						
				F25/300	254	M16*8	200*5						
HXH100	64：1	165	3200	Φ255	200	M16*8	160*5	60	355	320	240	102	520
				F25/300	254	M16*8	200*5						
HXH88	198：1	85	4000	F14/210	140	M16*4	100*4	55	415	285	225	103	520
				F16/210	165	M20*4	130*5						
				Φ255	200	M16*8	160*5						
				F25/300	254	M16*8	200*5						
HXH100	205：1	100	5000	Φ255	200	M16*8	160*5	60	415	320	240	102	520
				F25/300	254	M16*8	200*5						
HXH195	167：1	150	6000	F16/210	165	M20*4	130*5	70	435	327	255	115	520
				Φ255	200	M16*8	160*5						
				F25/300	254	M16*8	200*5						
HXH195	208：1	130	6500	F16/210	165	M20*4	130*5	70	435				520
				Φ255	200	M16*8	160*5						
				F25/300	254	M16*8	200*5						
HXH280	285：1	130	9000	F25/300	254	M16*8	200*5	80	455	346	280	140	600
				F30/350	298	M20*8	230*5						
HXH300	290：1	145	10000	F25/300	254	M16*8	200*5	90	455	385	310	142	600
				F30/350	298	M20*8	230*5						
HXH300	348：1	135	11000	F25/300	254	M16*8	200*5		502				
				F30/350	298	M20*8	230*5						
HXH680	372：1	155	14000	F25/350	254	M16*8	200*5	105	534	425	390	146	600
				F30/350	298	M20*8	230*5						
HXH680	519：1	150	16000	F25/350	254	M16*8	200*5		597				
				F30/350	298	M20*8	230*5						
HXH780	572：1	160	19000	F30/350	298	M20*8	230*5	125	563	466	404	176	600
				F35/415	356	M30*8	260*5						
HXH780	627：1	150	24000	F30/350	298	M20*8	230*5		606				
				F35/415	356	M30*8	260*5						
HXH664	664：1	160	26000	F30/415	298	M20*8	230*5	120	553	507	472	173	600
				F35/415	356	M30*8	260*5						
HXH664	730：1	160	28000	F30/415	298	M20*8	230*5		615				
				F35/415	356	M30*8	260*5						
HXH992	992：1	150	34000	F35/415	356	M30*8	260*5	120	635	528	472	176	600
HXH1210	1210：1	150	40000	F35/475	356	M30*8	260*5	155	639	595	558	200	600
				F40/475	406	M36*8	300*8						
HXH1281	1281：1	160	46000	F40/475	406	M36*8	300*8	180	731	665	595	225	600
HXH1705	1705：1	150	58000	F40/475	406	M36*8	300*8		680				
HXH2015	2015：1	165	65000	F40/475	406	M36*8	300*8		765				
HXH2395	2395：1	165	84700	F40/560	406	M36*8	300*8	200	820	752	720	235	700
				F48/560	483	M36*12	370*8						
HXH2895	2895：1	180	120000	F40/560	406	M36*8	300*8		857	752	720		
				F48/560	483	M36*12	370*8						

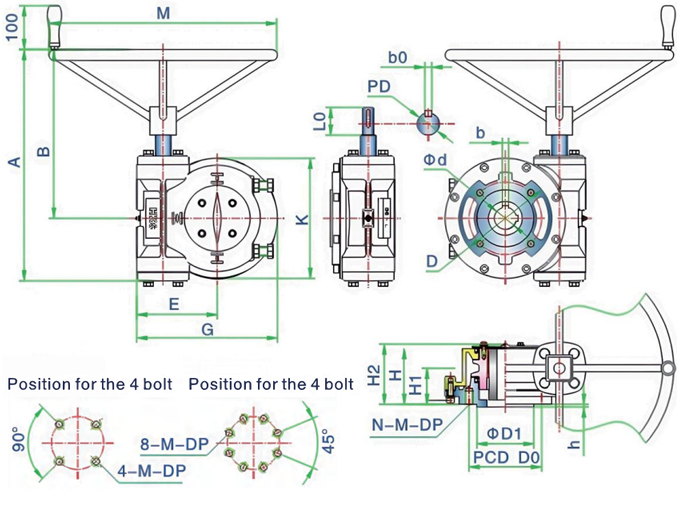
HX

YOYAGE

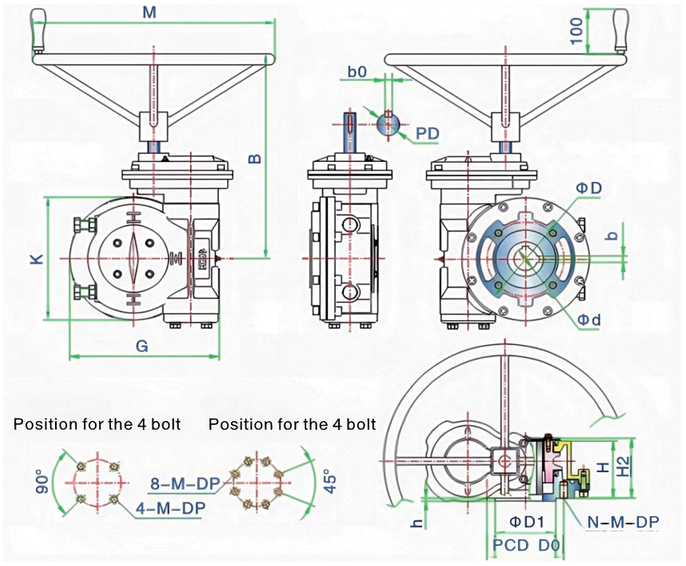
Series Quarter turn manual gear actuator

This series is a 90° partial rotation manual drive device. It is applicable totypes of valves such as ball valves, butterfly valves and plug valves. This serieshas an attractive appearance and the box body is made of ductile iron. Thehandwheel is welded with steel pipes, featuring a large output torque andstrong load-bearing capacity. It has strong interchangeability, a completerange of models and is convenient for valve matching.









HX

YOYAGE

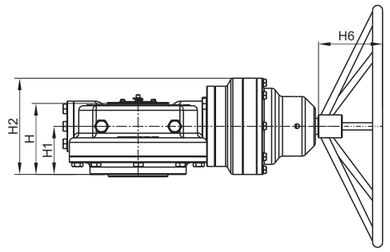
Series Quarter turn manual gear actuator

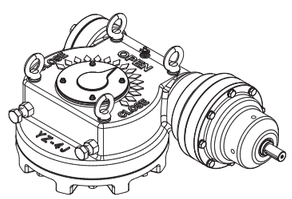
Model	TECHNICAL-PARAMETERS			CONNECTION-SIZE					APPEARANCE-SIZE				
	Ratio	Input torque N.m	Output torque N.m	Flange / Dia. (D)	Bolt Circle Dia. (PCD D1)	Bolt Spec (N-M-DP)	Convex (D1×h)	Max stem dia.(d)	B	G	K	H2	Hand wheel
Hx2	36:1	65	670	F10/125	102	4-M10-15	70*3	26	249	160	144	80	350
Hx3	38:1	80	910	F12/150	125	4-M12-18	85*3	36	256	199	175	90	350
Hx4	48:1	120	1700	F14/175	140	4-M16-24	100*4	42	301	239	210	100	460
Hx5	58:1	140	2200	F16/210	165	4-M20-30	130*5	60	353	274	235	110	460
HxS5	150:1	130	5000						429				
Hx6	68:1	160	2800	F16/210	165	4-M20-30	130*5	65	355	320	274	125	600
HxS6	185:1	150	7300						457				
Hx7	78:1	160	3500	260	200	8-M16-24	160*5	80	395	356	312	135	600
HxS7	260:1	145	10000						469				
Hx8	78:1	195	4500	F25/300	254	8-M16-24	200*5	75	465	411	358	162	600
HxS8	406:1	135	14000					95	553			150	
Hx9	88:1	195	4500	F20/350	298	8-m20-30	230*5	90	478	451	398	167	600
HxS9	664:1	120	20000					115	563			150	
HxS10	1110:1	120	32000	F35/145	356	8-M30-45	260*5	140	689	575	530	189	600
				F40/475	406	8-M36-54	300*8						
	1099:1	145	38000	F35/145	356	8-M30-45	260*5		660				
				F40/475	406	8-M36-54	300*8						
HxS11	1444:1	145	50000	F40/475	406	8-M36-54	300*8	155	714	702	620	252	600
				F48/560	483	12-M36-54	370*8						
	1425:1	190	65000	F40/475	406	8-M36-54	300*8		685				
				F48/560	483	12-M36-54	370*8						
	2428:1	165	90000	F48/560	483	12-M36-54	370*8	180	827	740	630	250	600
HxS12	2663:1	180	118000	F40/475	406	8-M36-54	300*8	190	857	814	705	266	600
				F48/560	483	12-M36-54	370*8						
	2990:1	185	130000	F48/560	483	12-M36-54	370*8	220	858	878	752	274	600
				F60/686	603	20-M36-54	470*8						
	3510:1	195	160000	F48/560	483	12-M36-54	370*8		890				
				F60/686	603	20-M36-54	470*8						
HxS13	3972:1	200	190000	F60/686	603	20-M36-54	470*8	260	949	1010	860	350	700
	4170:1	200	220000	F60/686	603	20-M36-54	470*8	270	925	1040	858	312	700

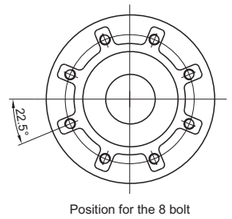
YZ-SS

YZ-SS Series Partial swing gearbox

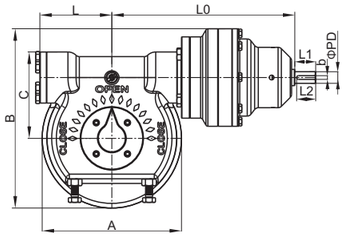
The device is a manual device directly installed on some rotary valves such as ball valve, butterfly valve, plug valve, hemispherical valve and rotary ball valve. The device adopts the structure of worm gear and spur gear reducer, with large output torque, low noise and stable operation. The protection grade of conventional products is IP65. Under special circumstances, it can be used as IP67, IP68 or submerged underwater. Hand wheel, valve connecting plate and shaft hole can be customized according to user's needs. The product can switch two speed ratios at will. When opening and closing the valve, you can use the high speed ratio to output high torque to open and close the valve. When the valve pressure is removed, you can use the low speed ratio to operate the valve quickly. The number of opening and closing turns can be adjusted in combination with different valve requirements.

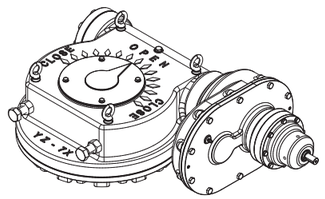


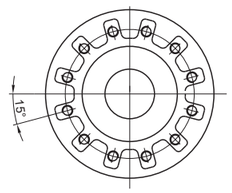




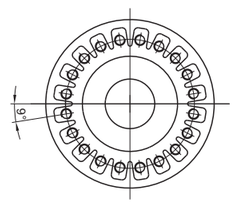
Position for the 8 bolt



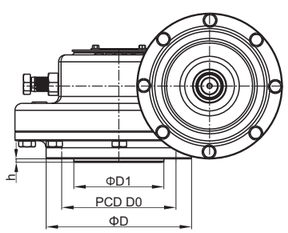


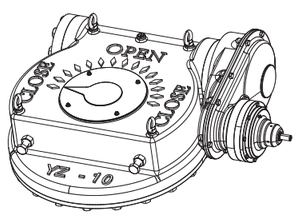


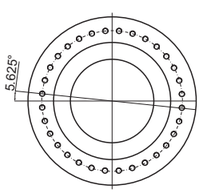
Position for the 12 bolt



Position for the 20 bolt







Position for the 32 bolt

YZ-SS

YZ-SS Series Partial swing gearbox

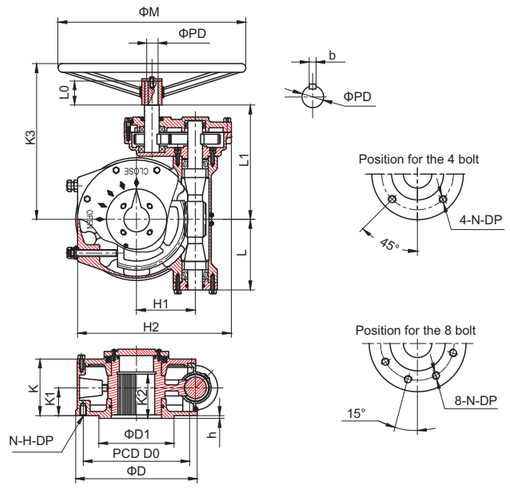
Model		YZ-3J -SS	YZ-4 -SS	YZ-4J -SS	YZ-5 -SS	YZ-5J -SS	YZ-6 -SS	YZ-6J -SS	YZ-7 -SS	YZ-7X -SS	YZ-7J -SS	YZ-8 -SS	YZ-8J -SS	YZ-9 -SS	YZ-9J -SS	YZ-10 -SS	YZ-11 -SS	YZ-12 -SS
TECHNICAL-PARAMETERS																		
Ratio		53:1	55:1	57:1	228:1	301:1	306:1	433:1	568:1	722:1	940:1	1316:1	1252:1	1646:1	2210:1	2840:1	3080:1	4025:1
Ratio		265:1	378:1	625：1	958:1	1266:1	1285:1	1820:1	2386:1	3030:1	3950:1	5530:1	7510:1	9880:1	13260:1	17045:1	24620:1	32200:1
Max-torque	N•m	7500	10000	16500	23000	28000	32000	48000	63000	80000	100000	140000	190000	250000	350000	450000	650000	850000
	kgf•m	765	1124	1684	2346	2857	3265	4898	6428	8163	10204	14285	19388	25510	35714	45918	66326	86734
Input torque Nm		110	110	110	110	110	110	110	110	110	110	110	110	110	115	115	120	120
CONNECTION-SIZE																		
FLANGE		F20	F25	F30	F30	F35	F35	F40	F40	F48	F48	F48	F60	F60	F60	F80	F100	F100
Flange/ Dia. (D)		250	300	350	350	415	415	475	475	560	560	560	686	686	686	900	1200	1200
Bolt Circle Dia.(PCD D0)	D0	205	254	298	298	356	356	406	406	483	483	483	603	603	603	813	1042	1042
	N-H-DP	8-M16 -24	8-M16 -24	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -40	8-M36 -54	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54	20-M36 -54	20-M42 -54	32-M42 -54	32-M42 -54
Convex (D1×h)		140X5	200×5	230×5	230×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8	470×8	670×10	870X10	870X10
Max stem dia.(d)		75 22X14	90 25×14	110 28×16	110 28×16	120 32×18	120 32×18	145 40×22	160 40×22	170 45×25	180 45×25	200 45×25	210 50×28	220 50×28	270 63×32	300 70×36	380 80×40	420 90×45
APPEARANCE-SIZE																		
A		300	340	350	390	430	470	560	590	620	660	730	770	800	1030	1150	1550	1830
B		381	435	450	497.5	537.5	585	674.5	734.5	785	819	897	968	1056	1290	1405	1901	2207.5
C		186	222	243	232	275	298	357	375	395	405	452	525	535	680	710	955	1170
L		155	167	185	187	225	232	280	295	315	340	365	395	420	530	475	770	820
L1		394	378.5	398.5	582	617.5	576.5	686	682	757	778	787	894	914.5	1016	1046	1431	1676
H		155	182.5	185	190	195	200	243	244	270	292	305	380	400	428	415	555	655
H1		105	122.5	122	120	132	127	145	153	167	193	208	215	250	261	263	355	410
H2		210	227.5	229.5	237.5	242.5	254	288.5	305	355	373	390	437.5	522	541	547	744	796
Handwheel	PD	25	25	25	25	25	25	25	25	25	25	25	25	25	32	32	32	32
	(b)key	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10
	L1	45	45	45	45	45	45	45	45	45	45	45	45	45	60	60	60	60
	L2	41	41	41	41	41	41	41	41	41	41	41	41	41	51	51	51	51
	H6	140	140	140	160	160	160	160	180	180	180	180	200	200	200	200	200	200
	M	500	500	500	600	600	600	650	700	750	750	750	800	800	1000	1000	1200	1200

MY-1S

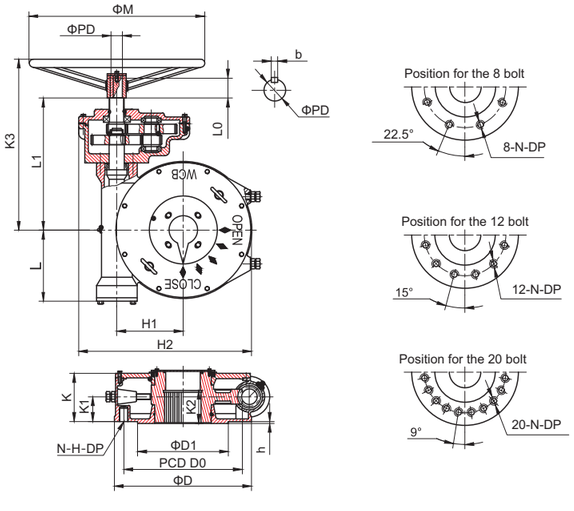
MY-1S Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Two connection types for choose: stem and key connection and removable nut type. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP67. For special environment can be done IP68 and immersion.









MY-1S

MY-1S Series Quarter turn manual gear actuator

Model		MY-0 -1S	MY-1 -1S	MY-2 -1S	MY-3 -1S	MY-4 -1S	MY-4 -1SZ	MY-5 -1S	MY-5 -1SZ	MY-6 -1S	MY-6 -1SZ	MY-7 -1SZ	MY-8 -1SZ	MY-9 -1SZ	MY-10 -1SZ
TECHNICAL-PARAMETERS															
Ratio		72:1	85:1	122:1	187:1	190:1	335:1	273:1	625:1	408:1	952:1	1390:1	1840:1	4035:1	5280:1
Max-torque	N·m	1000	1850	3000	4500	6500	8000	10000	15000	15000	18000	40000	53000	130000	170000
	kgf·M	102	188	306	408	663	816	1020	1530	1531	1836	2857	5408	8163	8163
Input torque N.m		54	84	96	93	131	96	103	96	147	79	120	120	140	140
CONNECTION-SIZE															
Flange		F12	F14	F16	(F20)	F25	F25	F30	F30	F35	F35	F40	F48	F60	F60
Flange/ Dia. (D)		150	175	210	250	300	300	350	350	415	415	475	560	686	686
Bolt Circle Dia.(PCD D0)	D0	125	140	165	205	254	254	298	298	356	356	406	483	603	603
	N-H-DP	4-M12 -18	4-M16 -24	4-M20 -30	8-M16 -24	8-M16 -24	8-M16 -24	8-M20 -27	8-M20 -30	8-M30 -45	8-M30 -45	8-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54
Convex (D1×h)		85×3	100×4	130×5	140×5	200×5	200×5	230×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8
Max stem dia.(d)		38 12×8	45 14×9	55 16×10	65 20×12	80 22×14	80 22×14	105 28×16	105 28×16	115 32×18	115 32×18	140 36×20	155 40×22	200 45×25	220 50×28
APPEARANCE-SIZE															
H1		66	75	92	111	145	145	160	160	200	200	225	270	315	355
H2		196	221	283	322	388	388	404	404	510	510	582	670	740	765
K		89	89	108	110	140	140	140	140	179	179	188	203	230	240
K1		47	45	63	57	80	80	70	70	90	90	100	100	117	125
K2		47	58	62	60	100	100	102	102	112	112	140	155	176	200
K3		243.5	253.5	312.5	322.5	362.5	383	395	421	530	556	633.5	676	803	852.5
L		83	92	113	125	155	155	197	197	230	230	264	300	368	370
L1		153.5	163.5	222.5	232.5	262.5	283	295	321	330	356	433.5	476	603	652.5
handwheel	PD	15	21	21	28	28	28	28	28	32	32	38	45	45	45
	(b)key	5	6	6	8	8	8	8	8	10	10	10	12	12	12
	L0	32	36	36	46	46	46	46	46	61	61	61	61	61	61
	M	300	350	400	450	500	500	600	600	650	650	700	750	800	800

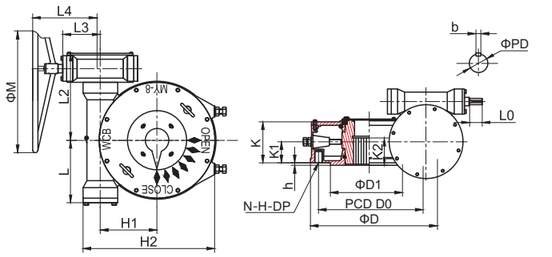
MY-S

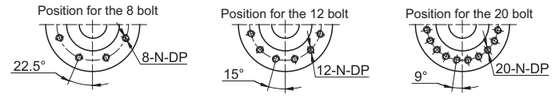
YOYAGE

MY-S Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Two connection types for choose: stem and key connection and removable nut type. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP65.







Model		MY-4S	MY-5S	MY-6S	MY-7S	MY-8S	MY-9S
TECHNICAL-PARAMETERS							
Ratio		1170:1	1426:1	1541:1	1593:1	2250:1	2550:1
Max-torque	N·m	8000	15000	18000	28000	53000	100000
	kgf·M	816	1530	1836	2857	5408	8163
Mechanical efficiency M.A.±10%		105.3	128.3	138.7	143.4	202.5	229.5
CONNECTION-SIZE							
Flange		F25	F30	F35	F40	F48	F60
Flange/ Dia. (D)		300	350	415	475	560	686
Bolt Circle Dia.(PCD D0)	D0	254	298	356	406	483	603
	N-H-DP	8-M16-24	8-M20-27	8-M30-45	8-M36-54	12-M36-54	20-M36-54
Convex (D1×h)		200×5	230×5	260×5	300×8	370×8	470×8
Max stem dia.(d)		80 22×14	105 28×16	115 32×18	140 36×20	155 40×22	180 45×25
APPEARANCE-SIZE							
H1		145	160	200	225	270	335
H2		344	390	465	540	632	740
K		140	140	179	188	203	215
K1		80	70	90	100	100	117
L		155	197	230	264	300	368
L2		244	286	319	372	410	508
L3		83	92	92	113	125	155
L4		230	285	285	330	380	430
handwheel	PD	21	21	21	28	28	28
	(b)key	6	6	6	8	8	8
	L0	36	36	36	46	46	46
	M	300	350	400	450	500	600

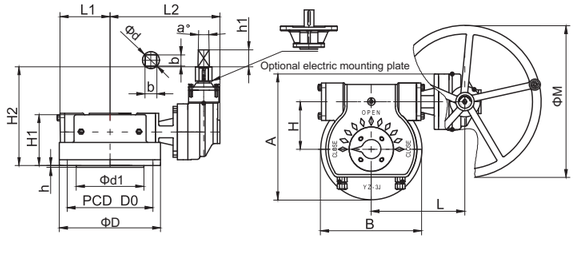
YZ-G

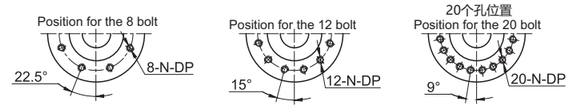
YOYAGE

YZ-G Series Worm + Bevel gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Two connection types for choose: stem and key connection and removable nut type. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP65.





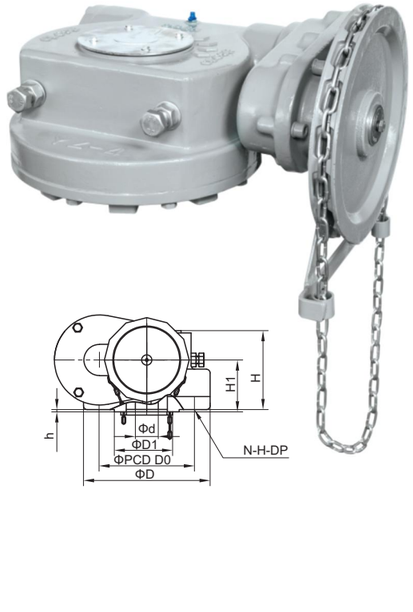


Model	YZ-1-G	YZ-2-G	YZ-2J-G	YZ-3-G	YZ-3J-G	YZ-4-G	YZ-4J-G	YZ-5-G	YZ-5J-G	YZ-6-G	YZ-6J-G	YZ-7-G	YZ-7X-G	YZ-7J-G	YZ-8-G	YZ-8J-G	YZ-9-G	YZ-9J-G	YZ-10-G
TECHNICAL-PARAMETERS																			
Ratio	102:1	102:1	112:1	118:1	345:1	380:1	740:1	855:1	870:1	1170:1	1350:1	2952:1	2946:1	3240:1	4725:1	5940:1	8300:1	7308:1	13150:1
Max-torque N·m	1200	2000	3000	4500	7500	12000	16500	23000	28000	32000	48000	63000	80000	100000	140000	190000	250000	350000	400000
input torque N·m	60	90	130	190	125	175	120	155	160	150	175	150	150	195	190	160	190	240	190
Max stem dia.(d)	42 12×8	50 14×9	60 18×11	60 18×11	75 22×14	90 25×14	110 28×16	110 28×16	120 32×18	120 32×18	145 40×22	160 40×22	170 45×25	180 45×25	200 45×25	210 50×28	200 50×28	270 63×32	300 70×36
CONNECTION-SIZE																			
Flange	F12	F14	F16	F16	F20	F25	F30	F30	F35	F35	F40	F40	F48	F48	F48	F60	F60	F60	F80
Flange/ Dia. (D)	150	175	210	210	250	300	350	350	415	415	475	475	560	560	560	686	686	686	900
Bolt Circle Dia.(PCD D0) D0	125	140	165	165	205	254	298	298	356	356	406	406	483	483	483	603	603	603	813
Bolt Circle Dia.(PCD D0) N-H-DP	4-M12 -18	4-M16 -20	4-M20 -30	4-M20 -30	8-M16 -24	8-M16 -24	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -40	8-M36 -54	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54	20-M36 -54	20-M42 -65
Convex (D1×h)	85×3	100×4	130×5	130×5	140×5	200×5	230×5	230×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8	470×8	670×10
APPEARANCE-SIZE																			
A	217.5	240	269.5	296.5	373	423	450	460	555	595	682	715	740	770	894.5	965	1056	1290	1405
B	150	175	210	225	300	340	350	390	430	470	555	590	620	660	730	770	800	1030	1150
L	212	222	242	253	277	289.5	333.5	336	558.5	571	627	637	657	682	704.5	809	807	854.5	924.5
L1	85	95	115	122	147.5	167.5	185	187.5	225	232.5	280	295	315	340	360	395	417.5	530	475
L2	257	267	287	301	325	334.5	382	384.5	602	614.5	689.5	690	719.5	735	778	831	880.5	928	998
H	70	80	92	104	140	160	170	160	200	220	262	280	290	300	342	360	535	495	550
H1	100.5	110	128.5	150	150	177.5	184.5	182.5	190	195	235	235	262	274	295	368	392	428	405
H2	246.5	256.5	270	291.5	286.5	327.5	340.5	338.5	351	346	403	404	426	444	482	497	524	543	537
h1	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
b	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Φd	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
a	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ΦM	350	350	400	400	400	500	500	500	500	500	600	600	600	600	650	700	700	800	800

YZ-1S-L

YZ-1S-L Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP65. For special environment can be done IP68 and immersion.



YZ-1S-L

YZ-1S-L Series Quarter turn manual gear actuator

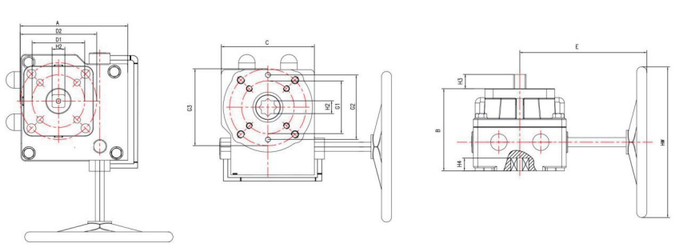
Model		YZ-1 -S-L	YZ-2 -S-L	YZ-2J -S-L	YZ-3 -S-L	YZ-3J -S-L	YZ-4 -S-L	YZ-4J -S-L	YZ-5 -S-L	YZ-5J -S-L	YZ-6 -S-L	YZ-6J -S-L	YZ-7 -S-L	YZ-7X -S-L	YZ-7J -S-L	YZ-8 -S-L	YZ-8J -S-L	YZ-9 -S-L	YZ-9J -S-L	YZ-10 -S-L	YZ-11 -S-L	YZ-12 -S-L
TECHNICAL-PARAMETERS																						
Ratio		78:1	78:1	127:1	200:1	375:1	495:1	798:1	868:1	1100:1	1285:1	2067:1	2260:1	3030:1	3960:1	5535:1	5900:1	7760:1	8526:1	9660:1	14130:1	19320:1
Max-torque	N-m	1300	1600	3000	4500	7500	12000	16500	23000	28000	32000	48000	63000	80000	100000	140000	190000	250000	350000	400000	650000	850000
	kgf-m	132	204	306	612	765	1124	1684	2346	2857	3265	4898	6428	8163	10204	14285	19388	25510	35714	40816	66326	86734
Input torque N.m		69	85	91	90	85	93	86	110	106	104	106	110	110	110	110	140	140	180	180	200	200
CONNECTION-SIZE																						
Flange		F12	F14	F16	F16	F20	F25	F30	F30	F35	F35	F40	F40	F48	F48	F48	F60	F60	F60	F80	F100	F100
Flange/ Dia. (D)		150	175	210	210	250	300	350	350	415	415	475	475	560	560	560	686	686	686	900	1200	1200
Bolt Circle Dia.(PCD D0)	D0	125	140	165	165	205	254	298	298	356	356	406	406	483	483	483	603	603	603	813	1042	1042
	N-H-DP	4-M12 -18	4-M16 -20	4-M20 -30	4-M20 -30	8-M16 24	8-M16 -24	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -40	8-M36 -54	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54	20-M36 -54	20-M42 -65	32-M42 -65	32-M42 -65
Convex (D1×h)		85×3	100×4	130×5	130×5	140X5	200×5	230×5	230×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8	470×8	670×10	870×10	870×10
Max stem dia.(d)		42 12×8	50 14×9	60 18×11	60 18×11	75 22X14	90 25×14	110 28×16	110 28×16	120 32×18	120 32×18	145 40×22	160 40×22	170 45×25	180 45×25	200 45×25	210 50×28	220 50×28	270 63×32	300 70×36	380 80×40	420 90×45
APPEARANCE-SIZE																						
A		150	175	210	225	300	340	350	390	430	470	560	590	620	660	730	770	800	1030	1150	1550	1830
B		204	226	245	300	331	430	418	468	488	595	637	670	705	735	895	910	995	1290	1405	1730	2085
C		110	120	140	125	186	222	243	232	275	298	357	375	395	405	452	525	535	680	710	955	1170
L		85	95	115	122	148	167	185	187	225	232	280	295	315	340	365	395	420	530	475	770	820
L1		160	172	220	224	295	295	328	354	365	416	465	515	495	714	670	737	940	1016	980	2160	2300
L2		250	262	240	324	405	445	468	554	525	616	685	715	675	835	820	937	1090	1216	1130	2360	2500
H		105	114	132	154	155	185	185	190	195	200	243	244	270	292	305	380	400	428	415	555	655
H1		68	78	93	106	105	127	122	120	132	127	145	153	167	193	208	215	250	261	263	355	410
ΦM		300	300	400	400	500	500	500	600	600	650	650	700	750	750	750	800	800	1200	1000	1200	1200

SD

SD Series pneumatic valve manual mechanism

A new type of manual mechanism is used in combination with pneumatic actuator.Used formanual or pneumatic switching and driving of ball valves,butterfly valves,plug valves,with a 90° opening.The new manual mechanism is a product innovatively developed characterized by small size,linght weight,hightorque.and pressure resistance and corrosion resistance.Each unit is equipped with four row bearing combinations,greatly improving product performance.The overall product is dust-proof and waterproof,with a protection level of up to IP65(protection level of Ip68 can be achieved ac-cording to customer needs).It is widely used in production processes with high safety requirements such as power plants,chemical engineering,and oil refining.





SDseries pneumaticvalve handheld mechanism connection size table

Model	A	B	C	D1	D2	E	F	G1	G2	G3	H1	H2	H3	H4	HW
SD-1	115	89.5	105	F05	F07	143	196	F05	F07	ϕ57	□14	□14	15	22	170
SD-2	135	120	113	F07	F10	178	245	F07	F10	ϕ70	□17	□17	20	26	190
SD-3	160	133	131	F07	F10/F12	200	271	F07	F10/F12	ϕ89	□22	□22	22	28	270
SD-4	202	180	167	F10	F12/F14	280	370	F10	F12/F14	ϕ108	□27	□27	29	32	300
SD-5	245	221	186	F14	F16	348	458	F14	F16	ϕ108	□36	□36	40	43	400
SD-6	280	251	205	/	F16	378	498	F14	F16	ϕ159	□46	□46	50	52	500
SD-7	315	286	205	ϕ200	F16	395	520	ϕ200	F16	ϕ159	□46	□46	50	52	550

SD

SD Series pneumatic valve manual mechanism

TThe company's products use precision processing equipment to ensure stable and reliable product quality, and meticulous monitoring is the guarantee of product quality.
Small size,light weight, reasonable design,and novel appearance
Integrated design with high torque and resistance to pressure and corrosion
Standard for rust prevention,dust prevention,waterproof sealing of products







Technical parameters of SD series pneumatic valve manual mechanism

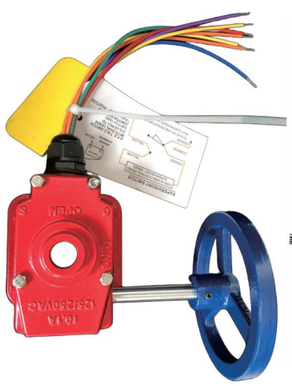
Model	AT双作用（DA） AT double action (DA)	AT单作用（SR） AT spring retum (SR)	速比 Speed ratio	输出扭矩 Output torque
SD-1	DA52-105	SR52-92	26:1	240N.M
SD-2	DA105-125	SR105-125	28:1	600N.M
SD-3	DA140-160	SR125-140	38:1	900N.M
SD-4	DA190-210	SR160-190	54:1	1600N.M
SD-5	DA210-240	SR190-210	80:1	2100N.M
SD-6	DA240-270	SR210-240	78:1	3000N.M
SD-7	DA270-300	SR240-270	98:1	3800N.M

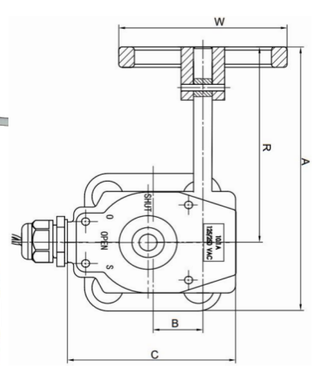
ZHX

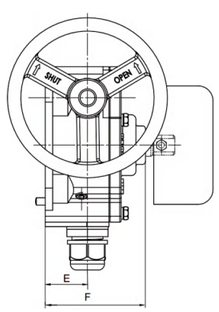
YOYAGE

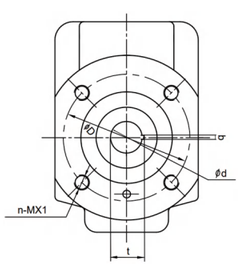
ZHX Series quarter turn manual gear actuator

This series is a 90 ° partial rotary fire valve signal manual drive. Apply to ball valve, butterfly valve and other fire valves. The box body adopts precision casting, novel style and beautiful appearance. Adopt worm and worm drive, carry microswitch, E211048 certified wire, transmission signal is accurate. More flexible transmission, high efficiency. Flanges all use ISO5211 international standards, and valve supporting more convenient. Water and oil leakage is treated with full sealing gasket with Ip67.









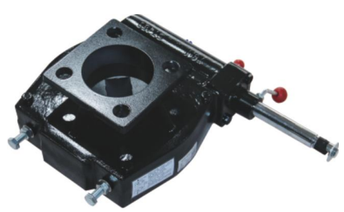
Model	ZHX07	ZHX07-1	ZHX20	ZHX40
TECHNICAL-PARAMETERS				
Ratio	40:1	40:1	40:1	60:1
Output-torque N.M	270	270	590	900
Bore(d)	24	24	24	32
CONNECTION-SIZE				
FLANGE(Φ)	F07	F07	F10	F12
Bolt Circle Dia.(PCD D0)	70	70	102	125
Bolt(N-M)	4xM8-12	4xM8-12	4xM10-15	4xM12-18
APPEARANCE-SIZE				
A	169	169	213	306
B	32	32	50	68
C	108	108	138	165
E	28. 5	28. 5	34	39
F	68. 5	68. 5	71. 8	78. 5
R	125	125	166	240
W	108	125	150	250

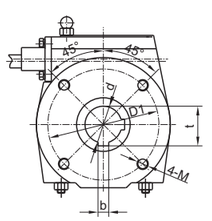
MY-F

YOYAGE

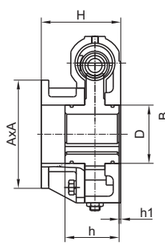
MY-F Series Quarter turn declutchable type manual gear actuator

These are quarter turn gear actuators, suitable for ball valves,butterfly valves and plug valves etc.The housing is precisely cast, with fresh pattern and nice appearance.It transmitted by worm gear and worm, with self-locking function.Tapered roller bearing and thrust ball bearing combination makes the transmission more flexible and efficient. Max-torque of actuators matches with connecting flange standard, stem diameter and install height are all international standard.The connectting flange adapts to I.S.O.5211 makes it easy working with valves.Protection grade can be IP65, IP67, IP68 and Immersion mode according to customers requirements.

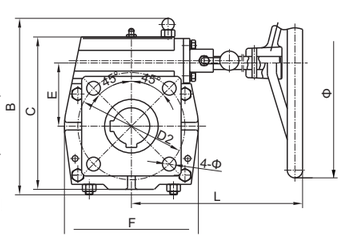




Valve Connection



Close position



Actuator Connection

Model		F26	F38		F54	F80	F78A	F100	F320	F420
TECHNICAL-PARAMETERS										
Ratio		26:1	38:1		54:1	80:1	78:1	100:1	320:1	420:1
Input-torque N.M		60	60	75	120	140	200	200	200	200
Output-torque N.M		390	550	620	1200	2000	3500	5000	8000	16000
Limit-adjustment		±5°	±5°	±5°	±5°	±5°	±5°	±5°	±5°	±5°
Butterfly-valve DN		80	200	250	350	400	500	600	800	900
Ball-valve DN		50	150	150	200	250	300	400	500	600
CONNECTION-SIZE										
Bolt Circle Dia.(PCD D0)	A0×A1	68×68	110×110	110×110	130×130	157×157	161×161	235×235	290×290	350
	D1	70	102	102	140	165	165	200	254	298
	4-Φd1	4-Φ9	4-Φ12	4-Φ12	4-Φ18	4-Φ22	4-Φ22	8-Φ18	8-Φ18	8-Φ22
Valve connection size	Bore(d)	22	32	38	48	60	76	80	85	100
	Key(b)×Height×NO×90°	8×7×2	10×8×2	10×8×2	14×9×2	18×11×2	20×12×2	22×14×2	25×14×2	28×16×2
	Bolt Circle Dia. PDC(D0)	70	102	102	140	165	165	200	254	298
	Bolt(N-M)	4-M8	4-M10	4-M10	4-M16	4-M20	4-M20	8-M16	8-M16	8XM20
	H	85	90	90	100	125	130	118	200	250
Handwheel(Φ)		200	200	250	300	400	500	500	500	600
APPEARANCE-SIZE										
A		222	265	265	295	395	465	590	655	720
B		170	203	203	220	280	324	445	510	530
E		84	97	97	123	165	185	160	168	209
G		133	159	159	201	283	325	350	385	470
H2		87	96	96	108	132	136	143	255	283.5
F		106	126	126	173	235	282	300	300	350

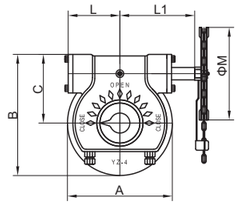
YZ-L

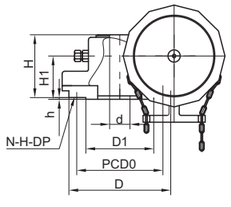
YOYAGE

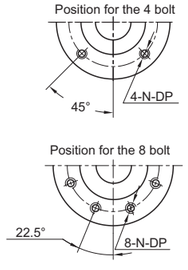
YZ-L Series Quarter turn manual gear actuator

This series of products is quarter turn manual gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. The gearboxes output torque according to mounting flange allowed torque. Stem diameter and height adapt international standard. The mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. General products protection grade is IP65. For special environment can be done IP68 and immersion.









Model		YZ-0-L	YZ-1-L	YZ-2-L	YZ-2J-L	YZ-3-L	YZ-3J-L	YZ-4-L	YZ-4J-L	YZ-5	YZ-5J-L	YZ-6-L
TECHNICAL-PARAMETERS												
Ratio		34:1	44:1	44:1	50:1	50:1	50:1	55:1	67:1	62:1	67:1	65:1
Max-torque	N·m	500	1000	1500	2500	3200	4500	4950	5200	5580	6030	6825
	kgf·m	51	102	153	255	327	459	505	530	569	615	696
Input torque	N.m	50	90	115	166	215	300	300	258	300	300	350
CONNECTION-SIZE												
Flange		F10	F12	F14	F16	F16	F16/F20	F25	F30	F30	F35	F35
Flange/ Dia. (D)		125	150	175	210	210	250	300	350	350	415	415
Bolt Circle Dia.(PCD D0)	D0	102	125	140	165	165	205	254	298	298	356	356
	N-H-DP	4-M10-15	4-M12-18	4-M16-20	4-M20-30	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M20-30	8-M30-45	8-M30-40
Convex (D1×h)		70×3	85×3	100×4	130×5	130×5	140×5	200×5	230×5	230×5	260×5	260×5
Max stem dia.(d)		30 8×7	42 12×8	50 14×9	60 18×11	60 18×11	75 25×14	90 22×14	110 28×16	110 28×16	120 32×18	120 32×18
APPEARANCE-SIZE												
A		125	150	175	210	225	300	340	350	390	430	470
B		156	185	207	245	265	331	393	418	427	488	532
C		90	110	120	140	125	186	222	243	232	275	298
L		80	85	95	115	122	147	167	185	187	225	232
L1		115	140	150	193	202	213	242	270	287	325	332
L2		205	220	230	335	352	335	392	430	487	525	562
H1		100	105	114	132	154	155	185	185	190	195	200
H2		70	68	78	93	106	105	127	122	120	132	127
ΦM		200	300	400	400	500	500	500	600	750	800	900

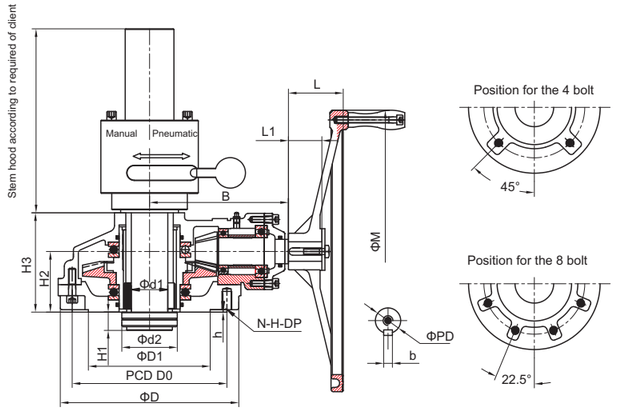
ZH-Q

YOYAGE

ZH Series Multi-turn manual gear actuator

The manual gear actuator can be installed directly on the pneumatic. By using Spiral bevel gears and thrust ball bearing, the gear actuator can run smoothly, and have high output torque, low noise and high efficiency. It can avoid from waterproof & oil leakage as sealing glands are used at all the through part. Protection grade can be IP65. When have no air source, can manual switch to handle direct operation. Also can install second stage gearbox according to the thrust.

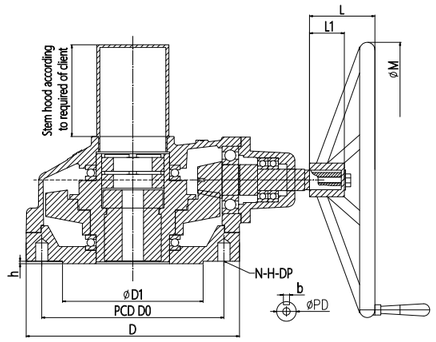


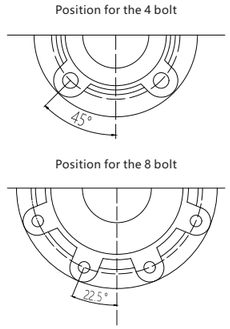


Model		ZH-000-Q	ZH-00-Q	ZH-0-Q	ZH-1-Q	ZH-2-Q	ZH-3-Q	ZH-4-Q
TECHNICAL-PARAMETERS								
Ratio		4:1	4:1	4:1	4:1	6:1	6:1	6:1
Max-torque Nm		380	500	850	1700	3870	5200	9000
Max-thrust N		43000	64000	98000	196000	340000	490000	630000
Max stem dia.(d)		25	30	43	52	70	92	100
CONNECTION-SIZE								
Flange		F12	F14	F16	F25	F30	F35	F35
Flange/ Dia. (D)		150	175	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	125	140	165	254	298	356	356
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1×h)		85×3	100x3	130x3	200x4	230x4	260x5	260x5
H1		25	25	25	35	35	45	45
HANDWHEEL								
handwheel	L	65	65	65	85	95	95	95
	PD	25	25	25	32	32	45	38
	(b)key	8x7	8x7	8x7	10x8	10x8	12x8	12x8
	L1	40	40	40	50	55	55	60
	M	300	350	400	450	520	600	600

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.







Model	ZH-000	ZH-00	ZH-0	ZH-01	ZH-1	ZH-02	ZH-2	ZH-03	ZH-3	ZH-4
TECHNICAL-PARAMETERS										
Ratio	3:1	4:1	4:1	4:1	4:1	6:1	6:1	6：1	6:1	6:1
Max-torque NM	380	500	850	1350	1700	2960	3870	4320	4750	5620
Max stem dia.(d)	Φ28	Φ30	Φ43	Φ48	Φ56	Φ60	Φ70	Φ80	Φ92	Φ100
CONNECTION-SIZE										
Flange	F12	F14	F16	F25	F25	F30	F30	F35	F35	F35
Flange/ Dia. (D)	150	175	210	300	300	350	350	415	415	415
Bolt Circle Dia.(PCD D0) D0	125	140	165	254	254	298	298	356	356	356
Bolt Circle Dia.(PCD D0) N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M20-30	8-M30-45	8-M30-45	8-M30-45
Convex (D1×h)	85X3	100X3	130X3	200X4	200X4	230X4	230X4	260X5	260X5	260X5
HANDWHEEL										
L	65	65	65	85	85	95	95	95	95	95
hand wheel PD	25	25	25	32	32	32	38	38	32	38
hand wheel (b)key	8X7	8X7	8X7	10X8	10X8	10X8	12X8	12X8	10X8	12X8
hand wheel L1	40	40	40	50	50	55	55	55	55	55
hand wheel M	300	350	400	450	450	520	600	600	600	900

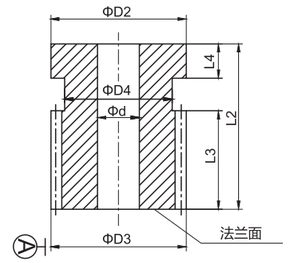
ZH

YOYAGE

ZH Series Multi-turn manual gear actuator

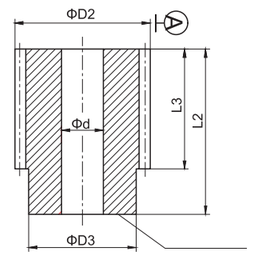
ZHstem nut dimension
User could machining the limit stem nut hole according to this drawing. When you machining hole d, please pay attention to coaxality with reference A.
Stem nut material: brass H62, bronze H94, ductile iron, D-2 and so on. you can choose it depends on your demand.





此图型号有
This chart types are:
ZH-000
ZH-00
ZH-0
ZH-01
ZH-1
ZH-02
ZH-2





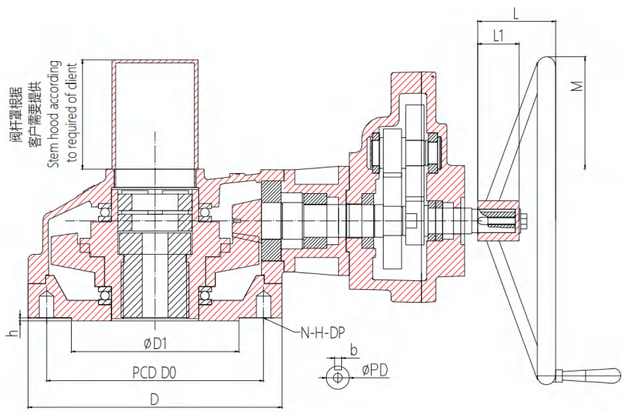
此图型号有
This chart types are
ZH-03
ZH-3
ZH-3-1S
ZH-4
ZH-4-1S

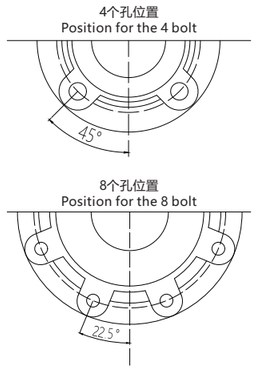
Size \ Model	ZH-00	ZH-0	ZH-01	ZH-1	ZH-02	ZH-2	ZH-03	ZH-3	ZH-3-1S	ZH-4	ZH-4-1S
D3	57	67	70	74	84	93	98	110	110	128	128
D2	57	68	74	78	88	98	111	123	123	141	141
L4	15	18	20	23	20	20					
L3	35	39	40	47	56	74	91	99	99	99	99
L2	60	67	70	80	88	106	112	140	140	155	155
D4	44.5	61.5	63	67	75.5	84.5					

ZH-1S

ZH Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.

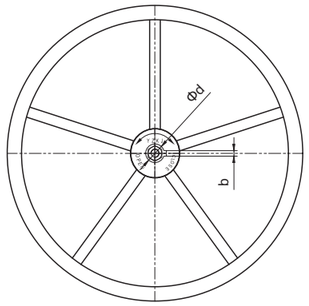


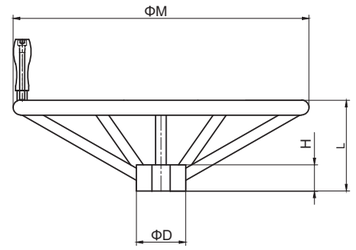


Model		ZH-0-1S	ZH-1-1S	ZH-2-1S	ZH-3-1S	ZH-4-1S
TECHNICAL-PARAMETERS						
Ratio		8:1	18:1	23:1	36:1	36:1
Max-torque NM		850	3500	4000	7800	9000
Max stem dia.(d)		43	56	70	92	100
CONNECTION-SIZE						
Flange		F16	F25	F30	F35	F35
Flange/ Dia. (D)		210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	165	254	298	356	356
	N-H-DP	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1×h)		130x3	200x4	230x4	260x5	260x5
handwheel	L	65	85	95	95	95
	PD	25	32	32	32	32
	(b)key	8x7	10x8	10x8	10x8	10x8
	L1	40	50	55	55	55
	M	400	450	520	600	600

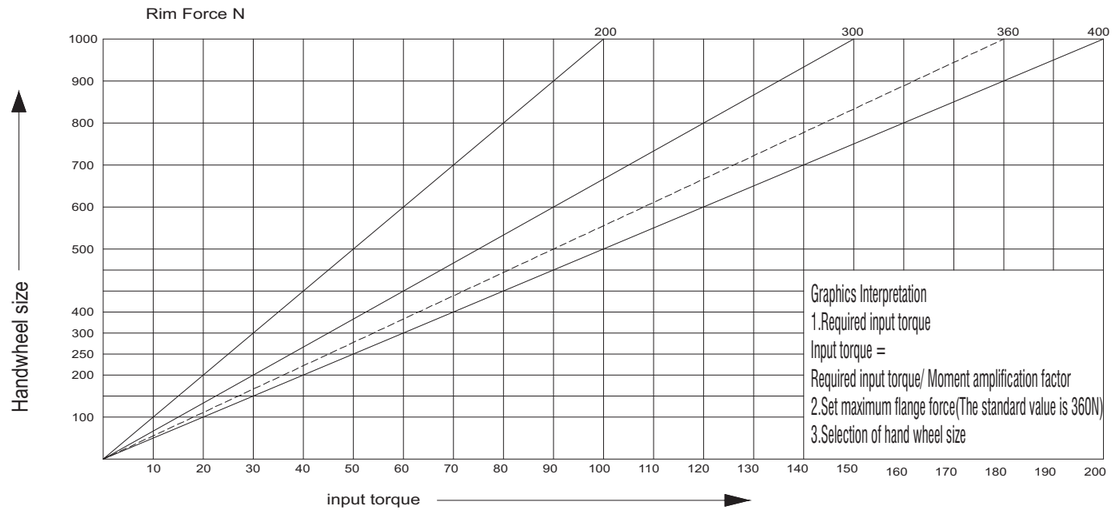
Handwheel

Handwheel



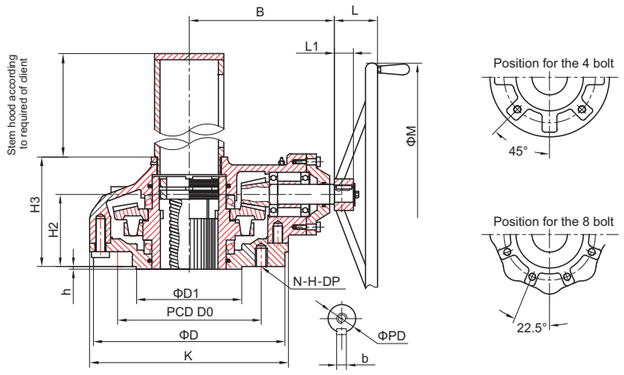


手轮尺寸 HANDWHEEL													
L		40	65	65	85	85	85	95	95	95	95	95	95
	PD	28	25	25	32	32	32	32	38	38	32	38	32
handwheel	(b)key	8X7	8X7	8X7	10X8	10X8	10X8	10X8	12X8	12X8	10X8	12X8	10X8
	L1	40	40	40	50	50	50	55	55	55	55	55	55
	M	300	350	350	450	450	450	520	600	600	600	900	600



This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP65. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.





Model		BA-000	BA-00	BA-0	BA-1	BA-2	BA-3	BAA-3
TECHNICAL-PARAMETERS								
Ratio		2.35:1	3:1	3.6:1	4.5:1	5.2:1	5.6:1	23:1
Max-torque Nm		360	480	735	1470	2940	4000	6000
Max-thrust N		43000	64000	98000	196000	340000	490000	630000
Max stem dia.(d)		25	30	40	52	70	90	110
Gate-valve DN		50	80-100	150-200	250-400	450-700	800-1000	1200
Globe-valve DN		50	80	100-150	200-250	300-350	400-500	550-650
Weight Kg		15	22	28	54	110	198	320
CONNECTION-SIZE								
Flange		F12	F14	F16	F25	F30	F35	F35
Flange/ Dia. (D)		150	175	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	125	140	165	254	298	356	356
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex(D1xh)		85×3	100×4	130×5	200×5	230×5	260×5	260×5
APPEARANCE-SIZE								
B		150	150	170	233	306	370	395
H2		80	80	85	97	142	160	178
H3		125	125	155	175	210	280	290
L		40	75	92	107	107	118	118
K		155	180	210	285	390	410	510
handwheel	PD	28	28	28	32	32	38	38
	(b)key	8×7	8×7	8×7	10×8	10×8	10×8	10×8
	L1	40	40	40	50	55	55	55
	M	300	300	400	460	520	600	600

BA stem nut dimension
User could machining the limit stem nut hole according to this drawing. When you machining hole d, please pay attention to coaxality with reference A.
Stem nut material: brass H62, bronze H94, ductile iron, D-2 and so on. you can choose it depends on your demand.



This chart types are:

BA-00
BA-0
BA-1
BA-2

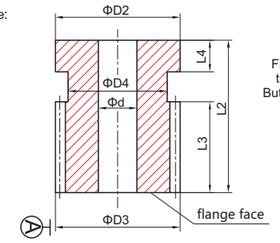


Figure in the hole Φd processing, the customer needed to change But can not exceed the Φdmax size, Φdmax see page 21.



This chart types are

BA-3
BAA-3

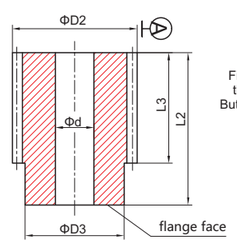


Figure in the hole Φd processing, the customer needed to change But can not exceed the Φdmax size, Φdmax see page 21.

size \ model	BA-000	BA-00	BA-0	BA-1	BA-2	BA-3	BAA-3
d	10	20	25	30	35	45	60
D3	50	57	64	74	94	108	132
D2	50	57	65	78	98	118	147
L4	12	15	15	22	31		
L3	25	25	37	46	55	80	108
L2	46	55	65	78	98	120	145
D4	42	50	58	68	86		

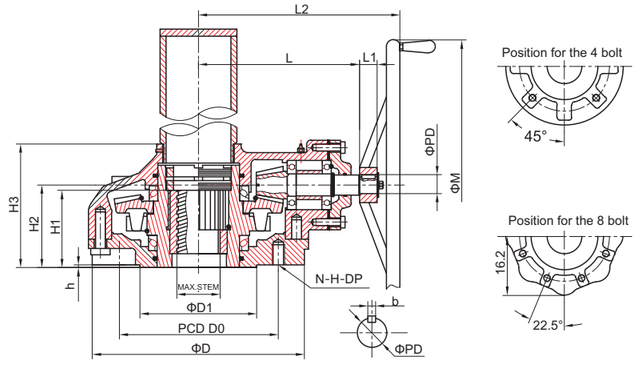
MY-V

YOYAGE

MY-V Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.





Model		MY-VS10	MY-VS20	MY-V0	MY-V1	MY-V2	MY-V3	MY-V35	MY-V4	MY-V5	MY-V6
TECHNICAL-PARAMETERS											
Ratio		2.3:1	2.35:1	3.1:1	3.6:1	4:1	4.1:1	5:1	6:1	6.3:1	7.1:1
Max-torque	N·m	216	363	589	932	1491	2296	3404	4000	4500	7250
	kgf·M	22	37	60	95	152	234	347	408	459	740
Max stem dia.(d)		20	25	35	40	52	60	70	90	100	120
Weight Kg		10	12	21.5	28	35	50	95.5	160	190	288
CONNECTION-SIZE											
Flange		F10	F12	F14	F16	(F20)	F25	F30	F35	F35	F40
Flange/ Dia. (D)		125	150	175	210	250	300	350	415	415	475
Bolt Circle Dia.(PCD D0)	D0	102	125	140	165	205	254	298	356	356	406
	N-H-DP	4-M10-15	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M30-45	8-M30-45	8-M36-54
Convex (D1×h)		70×3	85×3	100×4	130×4	140×5	200×5	230×5	260×5	260×5	300×8
APPEARANCE-SIZE											
H1		38	46	55	62	75	85	105	145	145	165
H2		65	70	70	75	90	100	140	160	155	210
H3		110	125	128	145	160	170	225	280	280	335
L		120	135	160	180	200	225	280	353	355	365
L2		215	230	260	320	340	365	420	445	515	565
handwheel	PD	28	28	28	28	32	32	32	38	38	50
	(b)key	8×7	8×7	8×7	8×7	10×8	10×8	10×8	10×8	10×8	2-16×10
	L1	40	40	40	40	50	50	50	50	50	55
	M	300	300	300	400	460	460	520	600	600	800

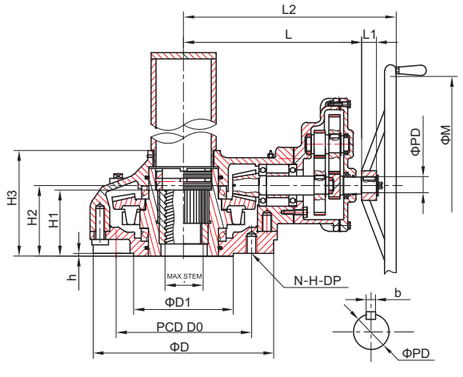
MY-V-1S

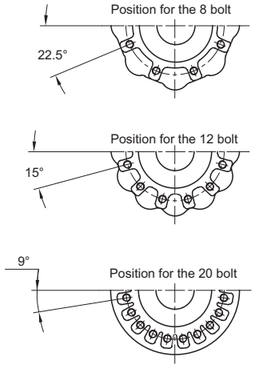
YOYAGE

MY-V-1S Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.

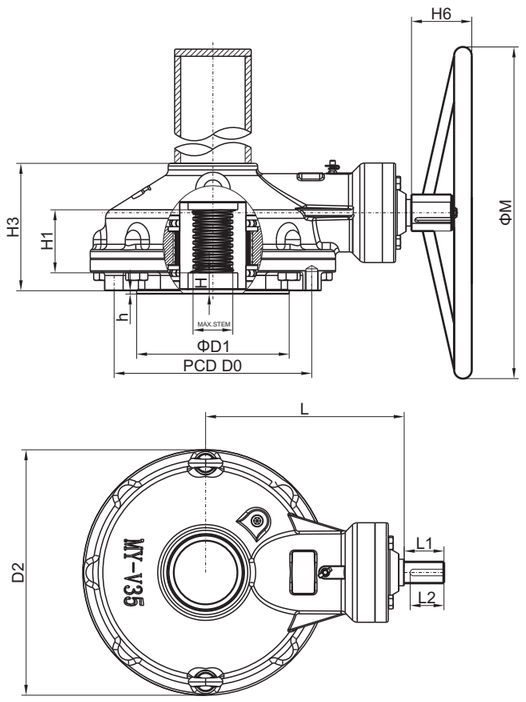


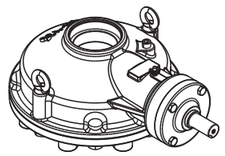


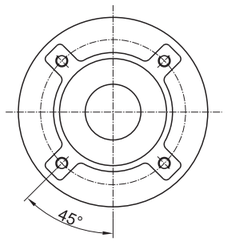


Model		MY-V2-1S	MY-V3-1S	MY-V35-1S	MY-V4-1S	MY-V5-1S	MY-V6-1S	MY-V7-1S	MY-V8-1S	MY-V9-1S	MY-V10-1S
TECHNICAL-PARAMETERS											
Ratio		12.2:1	18.1:1	23:1	42:1	42:1	46:1	94.4:1	115.5:1	126:1	200:1
Max-torque	N·m	2500	3500	4000	6800	8200	14500	18600	26100	65000	100000
	kgf·M	255	357	510	693	836	1479	1897	2662	6632	10204
Max stem dia.(d)		52	60	70	90	100	120	130	150	180	200
Weight Kg		52	70	119	180	265	328	470	645	1300	1700
CONNECTION-SIZE											
Flange		(F20)	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)		250	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0)	D0	205	254	298	356	356	406	483	603	603	813
	N-H-DP	8-M16-24	8-M16-24	8-M20-35	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-65
Convex (D1×h)		140×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	670×10
APPEARANCE-SIZE											
H1		75	85	105	120	145	165	195	200	200	200
H2		90	100	140	160	155	210	220	250	330	330
H3		160	170	225	280	280	335	331	346	409	540.5
L		305	330	390	480	480	500	550	610	817	964
L2		445	470	550	595	655	675	750	810	1020	1190
handwheel	PD	28	28	28	38	38	38	45	45	50	50
	(b)key	8×7	8×7	8×7	10×8	10×8	10×8	12×8	12×8	14×9	14×9
	L1	46	46	46	61	61	61	61	61	61	61
	M	400	500	600	650	650	780	800	900	1000	1000

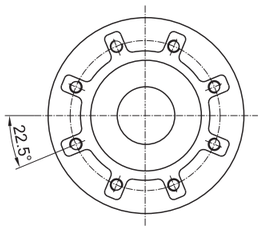
The device is a manual device directly installed on multi turn valves such as gate valve, track ball valve and stop valve. The device adopts the combination of spiral bevel gear and plane thrust bearing. The built-in valve stem nut adopts the lower structure, which is directly connected with the bevel gear disc, and bears thrust and axial force up and down. It has the advantages of stable operation, large torque, low noise and high efficiency. The protection grade of conventional products is IP67. Under special circumstances, it can be used as IP68 or submerged underwater. Handwheel and valve stem cover can be customized according to user requirements.



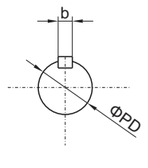


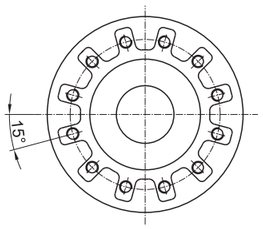


Position for the 4 bolt



Position for the 8 bolt





Position for the 12 bolt

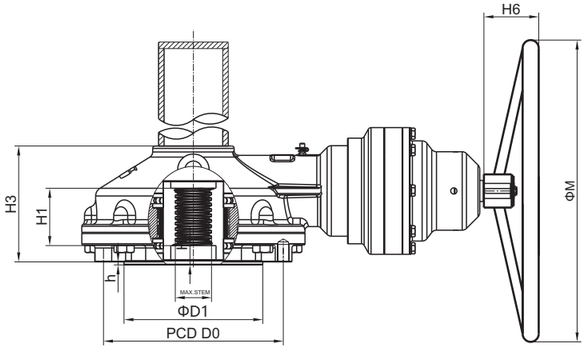
MY-V-Q

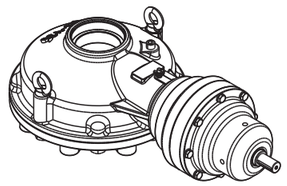
YOYAGE

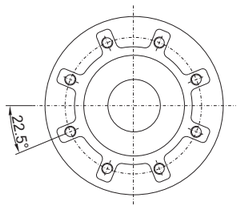
MY-V-Q Series Multi-turn gear actuator

Model		MY-V0-Q	MY-V1-Q	MY-V2-Q	MY-V3-Q	MY-V35-Q	MY-V4-Q	MY-V5-Q
TECHNICAL-PARAMETERS								
Ratio		3.1:1	3.6:1	4.1:1	4.1:1	5:1	6:1	6.3:1
Max-torque	N•m	589	932	1491	2296	3404	4000	4500
	KN	123	140	186	215	385	430	560
Max stem dia.(d)		40	52	60	65	75	95	105
CONNECTION-SIZE								
Flange		F14	F16	F16	F25	F30	F35	F35
Flange/ Dia. (D)		175	210	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	140	165	165	254	298	356	356
	N-H-DP	4-M16-24	4-M20-30	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1×h)		100×4	130×5	130×5	200×5	230×5	260×5	260×5
APPEARANCE-SIZE								
D2		175	210	250	300	370	415	475
H		10	10	10	10	16	20	20
H1		60	65	70	75	95	115	130
H2		73	86.5	90	88.5	117.5	160	173
H3		114	135	160	152	192	249	265
L		163	181	200	229	299.5	351	356
handwheel	PD	25	25	32	32	32	32	32
	(b)key	8	8	10	10	10	10	10
	L1	45	45	60	60	60	60	60
	L2	41	41	51	51	51	51	51
	H6	46	46	61	61	61	61	61
	M	400	450	600	600	650	700	700

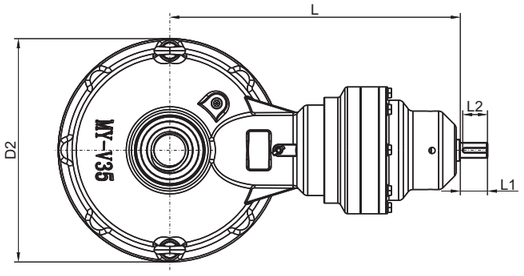
The device is a manual device directly installed on multi turn valves such as gate valve, track ball valve and stop valve. The device adopts the combination of spiral bevel gear and plane thrust bearing. The built-in valve stem nut adopts the lower structure, which is directly connected with the bevel gear disc, and bears thrust and axial force up and down. It has the advantages of stable operation, large torque, low noise and high efficiency. The protection grade of conventional products is IP65. Under special circumstances, it can be used asIP67IP68 or submerged underwater. Handwheel and valve stem cover can be customized according to user requirements. The product can switch two speed ratios at will. When opening and closing the valve, you can use a large speed ratio to output a large torque to open and close the valve. When the valve pressure is removed, you can use a small speed ratio to operate the valve quickly.

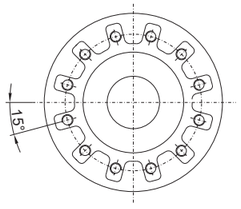




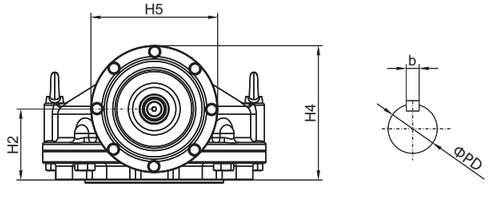


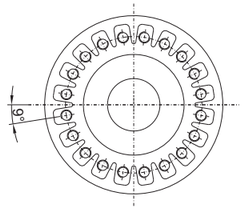
Position for the 8 bolt





Position for the 12 bolt





Position for the 20 bolt

MY-SS

MY-SS Series Multi-turn gear actuator

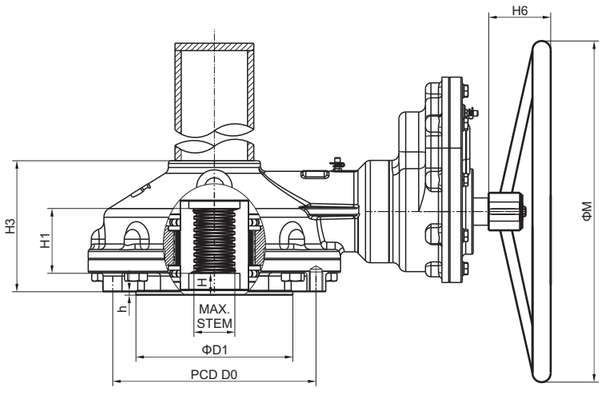
Model		MY-V0-SS	MY-V1-SS	MY-V2-SS	MY-V3-SS	MY-V35 -SS	MY-V4-SS	MY-V5-SS	MY-V6-SS	MY-V7-SS	MY-V8-SS	MY-V9-SS	MY-V10 -SS
TECHNICAL-PARAMETERS													
Optional High Ratio		3:1	3.6:1	4:1	4:1	5:1	5.6:1-25:1	6.3:1-25:1	7:1-46:1	6.5:1-50:1	7:1-56:1	30:1-105:1	30:1 -115.5:1
Optional Low Ratio		12.6:1	15.1:1	17:1	17:1	21.8:1 -31.2:1	25:1-90:1	25:1-110:1	46:1-168:1	50:1-298:1	56:1-493:1	105:1-840:1	115.5:1 -924:1
Max-torque	N•m	589	932	1491	3500	4500	6800	8200	14500	23000	38000	65000	100000
	KN	123	140	186	215	385	430	560	2100	3500	4600	6800	8650
Max stem dia.(d)		40	52	60	65	75	95	105	130	145	160	180	200
CONNECTION-SIZE													
FLANGE		F14	F16	F16	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)		175	210	210	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0)	D0	140	165	165	254	298	356	356	406	483	603	603	800
	N-H-DP	4-M16-24	4-M20-30	4-M20-30	8-M16-24	8-M20-35	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-65
Convex (D1×h)		100×4	130×5	130×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	650×8
APPEARANCE-SIZE													
D2		175	210	250	300	370	415	475	545	560	686	800	934
H		10	10	10	10	16	20	20	20	20	20	10	10
H1		60	65	70	75	95	115	130	170	190	210	220	260
H2		73	86.5	90	88.5	117.5	160	173	205	225	228	233	325.5
H3		114	135	160	152	192	249	265	330	329	343	398	535.5
H4		178	191.5	269	193.5	222.5	301.5	315.5	380	415	418	797	965.5
H5		210	210	190	210	210	285	285	350	350	350	440	560
L		381	399	393	414	418.5	586	591	624.7	866.5	906.5	1027	1104
handwheel	PD	25	25	25	25	25	25	25	25	25	25	25	25
	(b)key	8	8	8	8	8	8	8	8	8	8	8	8
	L1	45	45	45	45	45	45	45	45	45	45	45	45
	L2	41	41	41	41	41	41	41	41	41	41	41	41
	H6	46	46	46	46	46	46	46	46	46	46	46	46
	M	400	500	600	600	700	700	700	700	800	900	1000	1000

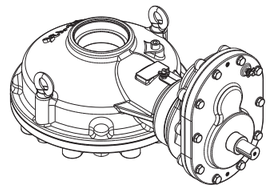
MY-S-Q

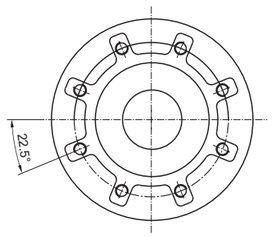
MY-S-Q Series Multi-turn gear actuator

YOYAGE

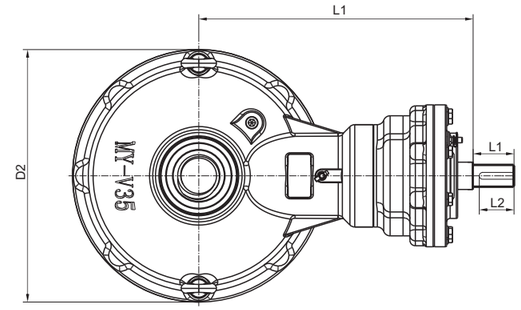
The device is a manual device directly installed on multi turn valves such as gate valve, track ball valve and stop valve. The device adopts the combination of spiral bevel gear and plane thrust bearing. The built-in valve stem nut adopts the lower structure, which is directly connected with the bevel gear disc, and bears thrust and axial force up and down. The secondary transmission adopts the combination of straight tooth reducer, and the speed ratio can be adjusted according to the needs of users. It has the advantages of stable operation, large torque, low noise and high efficiency. The protection grade of conventional products is IP65. Under special circumstances, it can be used as IP67, IP68 or submerged underwater. Handwheel and valve stem cover can be customized according to user requirements.

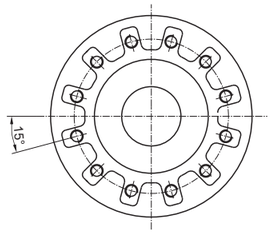




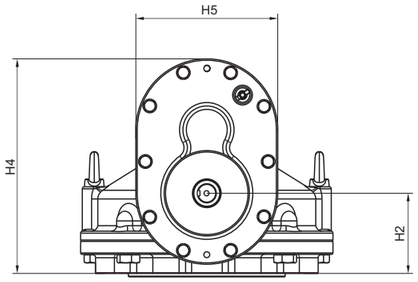


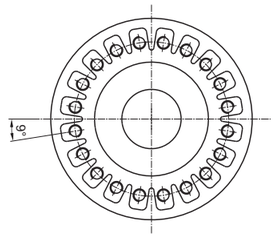
Position for the 8 bolt





Position for the 12 bolt





Position for the 20 bolt

MY-S-Q

MY-S-Q Series Multi-turn gear actuator

YOYAGE

Model		MY-V0 -1S-Q	MY-V1 -1S-Q	MY-V2 -1S-Q	MY-V3 -1S-Q	MY-V35 -1S-Q	MY-V4 -1S-Q	MY-V5 -1S-Q	MY-V6 -1S-Q	MY-V7 -1S-Q	MY-V8 -1S-Q	MY-V9 -1S-Q	MY-V10 -1S-Q
TECHNICAL-PARAMETERS													
Ratio		9.72:1	11.6:1	12.96:1	18.1:1	23:1	42:1	42:1	112:1	175:1	189:1	580:1	820:1
Max-torque	N•m	589	932	2350	3500	4500	6800	8200	14500	23000	38000	65000	100000
	KN	123	140	186	215	385	430	560	2100	3500	4600	6800	8650
Max stem dia.(d)		40	52	60	65	75	95	105	130	145	160	180	200
CONNECTION-SIZE													
FLANGE		F14	F16	F16	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)		175	210	210	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0)	D0	140	165	165	254	298	356	356	406	483	603	603	800
	N-H-DP	4-M16-24	4-M20-30	4-M20-30	8-M16-24	8-M20-35	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-65
Convex (D1×h)		100×4	130×5	130×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	650×8
APPEARANCE-SIZE													
D2		175	210	250	300	370	415	475	545	560	686	800	934
H		10	10	10	10	16	20	20	20	20	20	10	10
H1		60	65	70	75	95	115	130	170	190	210	220	260
H2		73	86.5	90	88.5	117.5	160	173	205	225	228	233	325.5
H3		114	135	160	152	192	249	265	330	329	343	398	535.5
H4		223	236.5	269	267.5	314.5	388	401	433	535	538	797	965.5
H5		160	160	190	190	208	240	240	240	320	320	440	560
L		267	285	305	333	402	490	495	515	578.5	618.5	1027	1104
HANDWHEEL	PD	25	25	25	25	25	32	38	38	45	45	25	25
	(b)key	8	8	8	8	8	10	10	10	14	14	8	8
	L1	45	45	45	45	45	60	50	50	50	50	45	45
	L2	41	41	41	41	41	51	50	50	50	50	41	41
	H6	46	46	46	46	46	61	61	61	61	61	46	46
	M	400	400	500	500	600	650	650	700	800	900	1000	1000

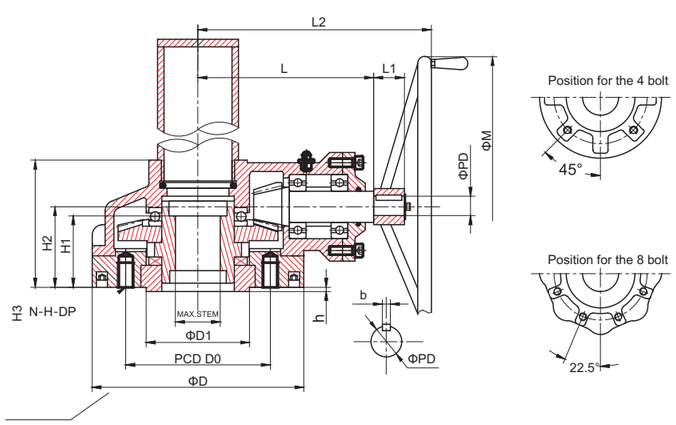
CK

YOYAGE

CK Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.





Model		RK03	RK05	RK1	2CK2	2CK3	2CK5	2CK8	2CK10
TECHNICAL-PARAMETERS									
Ratio		2.6:1	3:1	3.6:1	4.2:1	4.2:1	5:1	6.3:1	7.1:1
Max-thrust	N·m	90000	135000	180000	250000	280000	370000	650000	880000
	kgf·M	9184	13776	18367	25510	28571	37755	66327	89796
Max-torque	N·m	350	550	900	1500	2000	2800	4500	6800
	kgf·M	36	56	92	153	204	286	459	694
Max stem dia.(d)		42	52	60	70	80	95	110	130
Weight Kg		18	25	28	33	48	92.5	190	280
CONNECTION-SIZE									
Flange		F12	F14	F16	(F20)	F25	F30	F35	F40
Flange/ Dia. (D)		150	175	210	250	300	350	415	475
Bolt Circle Dia.(PCD D0)	D0	125	140	165	205	254	298	356	406
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M30-45	8-M36-54
Convex (D1×h)		85×3	100×4	130×4	140×5	200×5	230×5	260×5	300×8
APPEARANCE-SIZE									
H1		45	69	76	89	97	120	150	176
H2		65	69	78	91	94.5	112	140	214
H3		101	114	125	144	158	188	235	338.5
L		152	170	180	202	226	280	355	365
L2		275	350	370	342	366	440	515	675
handwheel	PD	28	28	28	32	32	32	38	50
	(b)key	8×7	8×7	8×7	10×8	10×8	10×8	10×8	14×9
	L1	46	46	46	61	61	61	61	61
	M	300	400	500	550	600	700	800	800

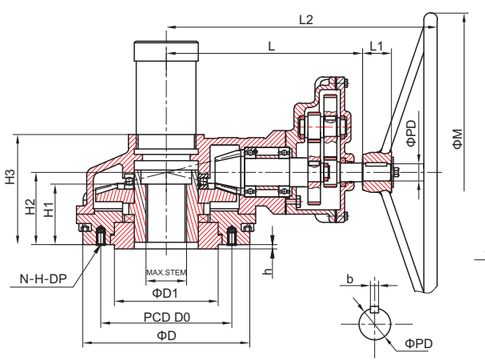
CK-1S

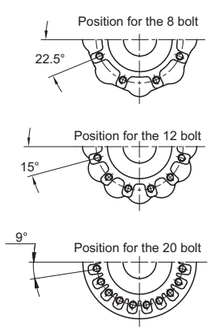
YOYAGE

CK-1S Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.







Model		2CK2-1S	2CK3-1S	2CK5-1S	2CK8-1S	2CK10-1S	2CK15-1S	2CK18-1S
TECHNICAL-PARAMETERS								
Ratio		13.6:1	17.6:1	22:1	42.5:1	48:1	94.4:1	115.5:1
Max-thrust	N·m	290000	400000	500000	800000	1100000	1250000	1500000
	kgf·M	29592	408163	510204	81633	112244	127551	153061
Max-torque	N·m	2350	3200	5600	8500	13500	18500	26000
	kgf·M	240	327	398	714	1020	1582	2245
Max stem dia.(d)		70	80	95	110	130	150	160
Weight Kg		52	70	115	256	316	470	645
CONNECTION-SIZE								
Flange		(F20)	F25	F30	F35	F40	F48	F60
Flange/ Dia. (D)		250	300	350	415	475	560	686
Bolt Circle Dia.(PCD D0)	D0	205	254	298	356	406	483	603
	N-H-DP	8-M16-24	8-M16-24	8-M20-35	8-M30-45	8-M36-54	12-M36-54	20-M36-54
Convex (D1×h)		140×5	200×5	2300×5	260×5	300×8	370×8	470×8
APPEARANCE-SIZE								
H1		89	97	120	152	176	188	230
H2		91	94.5	112	140	214	227	231
H3		144	158	188	235	338.5	331	346
L		305	330	390	480	500	550	610
L2		400	470	530	640	660	750	810
handwheel	PD	28	28	32	38	38	45	45
	(b)key	8×7	8×7	8×7	10×8	10×8	12×8	12×8
	L1	46	46	61	61	61	61	61
	M	500	550	600	700	750	800	850

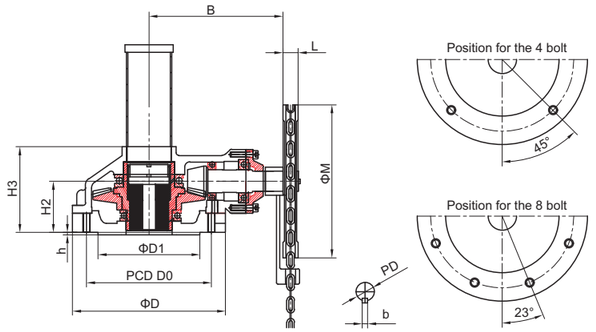
BA-L

YOYAGE

BA-L Series Multi-turn manual gear actuator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP65. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized.





Model		BA-000-L	BA-00-L	BA-0-L	BA-1-L	BA-2-L	BA-3-L	BAA-3-L
TECHNICAL-PARAMETERS								
Ratio		2.35:1	3:1	3.6:1	4.5:1	5.2:1	6.3:1	23:1
Max-torque Nm		360	480	735	1470	2940	4000	6000
Max-thrust N		43000	64000	98000	196000	340000	490000	630000
Max stem dia.(d)		25	30	40	52	70	90	110
Gate-valve DN		50	80-100	150-200	250-400	450-700	800-1000	1200
Globe-valve DN		50	80	100-150	200-250	300-350	400-500	550-650
Weight Kg		15	22	28	54	110	198	320
CONNECTION-SIZE								
Flange		F12	F14	F16	F25	F30	F35	F35
Flange/ Dia. (D)		150	175	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	125	140	165	254	298	356	356
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1xh)		85×3	100×4	130×5	200×5	230×5	260×5	260×5
APPEARANCE-SIZE								
B		150	150	170	233	306	370	395
H2		80	80	85	97	142	160	178
H3		125	125	155	175	210	280	290
sprochet	PD	28	28	28	32	32	38	38
	(b)key	8x7	8x7	8x7	10x8	10x8	10x8	10x8
	L1	30	30	30	30	30	30	40
	M	200	200	200	300	400	400	600

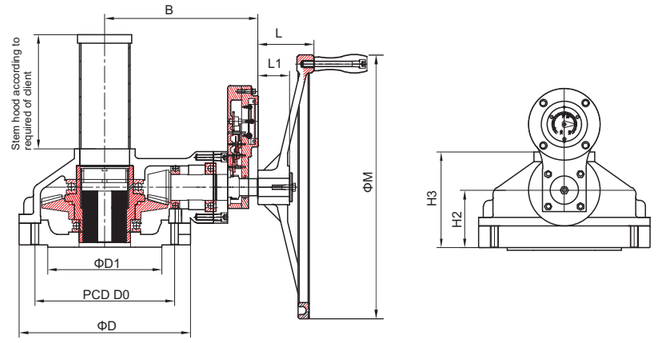
BA-Z

YOYAGE

BA-Z Series Multi-turn gear actuator with indicator

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP65. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized.





型号 Model		BA-000-Z	BA-00-Z	BA-0-Z	BA-1-Z	BA-2-Z	BA-3-Z	BAA-3-Z
TECHNICAL-PARAMETERS								
Ratio		2.35:1	3:1	3.6:1	4.5:1	5.2:1	6.3:1	23:1
Max-torque Nm		360	480	735	1470	2940	4000	6000
Max-thrust N		43000	64000	98000	196000	340000	490000	630000
Max stem dia.(d)		25	30	40	52	70	90	110
Gate-valve DN		50	80-100	150-200	250-400	450-700	800-1000	1200
Globe-valve DN		50	80	100-150	200-250	300-350	400-500	550-650
Weight Kg		15	22	28	54	110	198	320
CONNECTION-SIZE								
Flange		F12	F14	F16	F25	F30	F35	F35
Flange/ Dia. (D)		150	175	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	125	140	165	254	298	356	356
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1×h)		85×3	100×4	130×5	200×5	230×5	260×5	260×5
APPEARANCE-SIZE								
B		205	205	225	290	360	430	455
H2		80	80	85	97	142	160	178
H3		125	125	155	175	210	280	290
L		40	75	92	107	107	118	118
K		155	180	210	285	390	410	510
handwheel	PD	28	28	28	32	32	38	38
	(b)key	8×7	8×7	8×7	10×8	10×8	10×8	10×8
	L1	40	40	40	50	55	55	55
	M	300	300	400	460	520	600	600

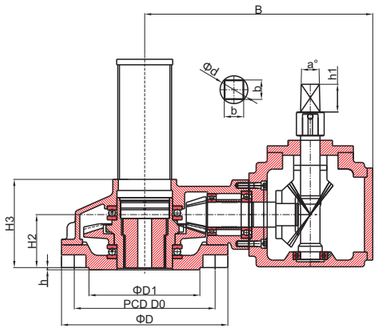
BA-G

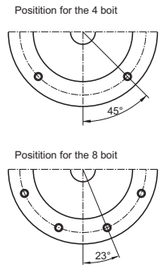
YOYAGE

BA-G Series Multi-turn manual gear actuator

This series gearboxes can be installed directly on the horizontal type multi-turn valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP65. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized.







Model		BA-00-G	BA-0-G	BA-1-G	BA-2-G	BA-3-G	BAA-3-G
TECHNICAL-PARAMETERS							
Ratio		3:1	3.6:1	6.75:1	7.8:1	12.6:1	46:1
Max-torqueNm		480	735	1470	2940	4000	6000
Max-thrustN		64000	98000	196000	340000	490000	630000
Max stem dia.(d)		30	40	52	70	90	110
Gate-valveDN		80-100	150-200	250-400	450-700	800-1000	1200
Globe-valveDN		80	100-150	200-250	300-350	400-500	550-650
WeightKg		22	28	54	110	198	320
CONNECTION-SIZE							
Flange		F14	F16	F25	F30	F35	F35
Flange/ Dia. (D)		175	210	300	350	415	415
Bolt Circle Dia.(PCD D0)	D0	140	165	254	298	356	356
	N-H-DP	4-M16-24	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45
Convex (D1×h)		100x4	130x5	200x5	230x5	260x5	260x5
APPEARANCE-SIZE							
B		270	288	411	478	553	685
H2		80	85	97	142	160	178
H3		125	155	175	210	280	290
h1		50	50	50	50	50	50
b		35	35	35	35	35	35
Φd		50	50	50	50	50	50
a		4	4	4	4	4	4

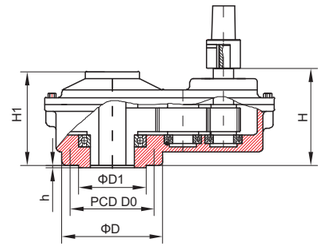
YZ-ZC

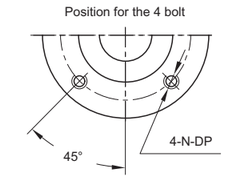
YOYAGE

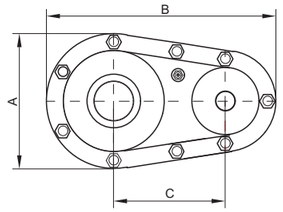
YZ-ZC Series Multi-turn manual gear actuator

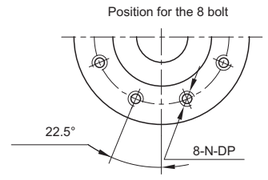
This series gearboxes are 360 degree multi-turn manual operator. Used in gate valves, butterfly valves, plug valves, globe valves, three-way ball valves and other valves. The housing made by precise casting, new design, nice appearance. Using by spur gear transmission, combination of thrust bearing and deep groove ball bearing,this series actuator can run smoothly, and has high output torque, low noise and high efficiency. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.











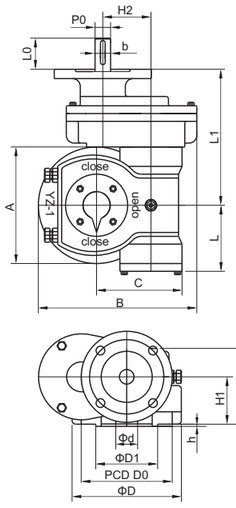
Model		YZ-ZC-1	YZ-ZC-2	YZ-ZC-3	YZ-ZC-4	YZ-ZC-5	YZ-ZC-6	YZ-ZC-7
TECHNICAL-PARAMETERS								
Standard Ratio		3:1	6:1	9:1	12:1	14:1	21:1	24:1
Optional ratio		2.5:1	3:1	4:1/6:1	6:1/9:1	6:1/10:1	9:1/15:1	10:1/20:1
Input torque N.m		180	280	320	320	320	320	320
Output torque N.m		459	1428	2448	3264	3808	5712	6528
Mechanical efficiency M.A.±10%		0.85	0.85	0.85	0.85	0.85	0.85	0.85
CONNECTION-SIZE								
Flange		F12	F14	F16	F25	F30	F35/F40	F48/F40
Flange/ Dia. (D)		150	175	210	300	350	415	560
Bolt Circle Dia.(PCD D0)	D0	125	140	165	254	298	356	483
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-30	8-M20-30	8-M30-45	12-M36-54
Convex (D1×h)		85×3	100×3	130×4	200×5	230×5	260×5	370×8
Max stem dia.(d)		38 10×8	50 14×9	60 18×11	70 20×12	80 22×14	100 28×16	100 32×18
APPEARANCE-SIZE								
A		200	225	280	380	440	560	795
B		340	375	460	645	785	920	1275
C		165	190	235	318	395	450	680
H		150	195	210	246	248	290	500
H1		138	185	195	226	235	255	430
ΦM		250	300	350	450	500	600	800

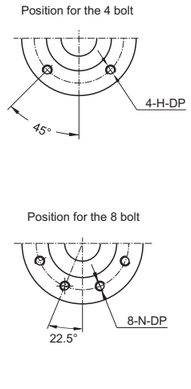
YZ-SD

YZ-SD Series Quarter turn electric gear actuator

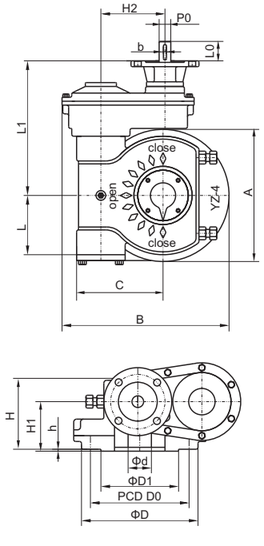
This series of products is quarter turn electric gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Worm gear material choose ductile iron, aluminum bronze or D2, according to open times and electric actuator speed. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.

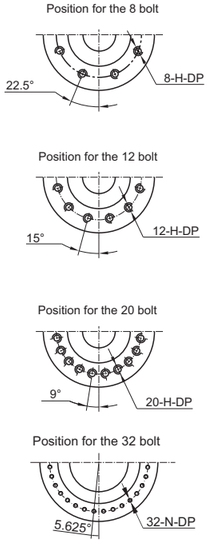












YZ-SD

YZ-SD Series Quarter turn electric gear actuator

CONNECTION-SIZE

Model		YZ-1 -SD	YZ-2 -SD	YZ-2J -SD	YZ-3 -SD	YZ-3J -SD	YZ-4 -SD	YZ-4J -SD	YZ-5 -SD	YZ-5J -SD	YZ-6 -SD	YZ-6J -SD	YZ-7 -SD	YZ-7X -SD	YZ-7J- SD	YZ-8 -SD	YZ-8J -SD	YZ-9 -SD	YZ-9J -SD	YZ-10 -SD	YZ-11 -SD	YZ-12 -SD
Flange		F12	F14	F16	F16	F20	F25	F30	F30	F35	F35	F40	F40	F48	F48	F48	F60	F60	F60	F80	F100	F100
Flange/ Dia. (D)		150	175	210	210	250	300	350	350	415	415	475	475	560	560	560	686	686	686	900	1200	1200
Bolt Circle Dia.(PCD D0)	D0	125	140	165	165	205	254	298	298	356	356	406	406	483	483	483	603	603	603	813	1042	1042
	N-H-DP	4-M12 -18	4-M16 -20	4-M20 -30	4-M20 -30	8-M16 -24	8-M16 -24	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -40	8-M36 -54	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54	20-M36 -54	20-M42 -54	32-M42 -54	32-M42 -54
Convex (D1×h)		85×3	100×4	130×5	130×5	140×5	200×5	230×5	230×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8	470×8	670×10	870×10	870×10
Max stem dia.(d)		42 12×8	50 14×9	60 18×11	60 18×11	75 22X14	90 25×14	110 28×16	110 28×16	120 32×18	120 32×18	145 40×22	160 40×22	170 45×25	180 45×25	180 45×25	210 50×28	220 50×28	270 63×32	300 70×36	380 80×40	420 90×45

APPEARANCE-SIZE

A	150	175	210	225	300	340	350	390	430	470	560	590	620	660	730	770	800	1030	1150	1550	1830
B	204	226	245	300	331	430	418	468	488	595	637	765	705	735	895	910	995	1290	1405	1730	2085
C	110	120	140	125	186	222	243	232	275	298	357	375	395	405	452	525	535	680	710	955	1170
L	85	95	115	122	148	167	185	187	225	232	280	295	315	340	365	395	420	530	475	770	820
L1	175	185	275	280	350	346	407	410	480	482	530	570	595	660	645	675	710	776	852	1275	1190
H	105	114	132	154	155	185	185	190	195	200	243	244	270	292	305	380	400	428	415	555	655
H1	68	78	93	106	105	127	122	120	132	127	145	153	167	193	208	215	250	261	263	355	410

Model	Reduction ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		Input Flange
				Standard output flange	Optional output flange	Input Flange	Input axis	
YZ-0-SD	51:1	500Nm	41Nm	F10	F07	F10	Φ20×6×40	Z10
	60:1		35Nm	F10	F07	F10	Φ20×6×40	Z10
YZ-1-SD	66:1	1200Nm	80Nm	F12	F10	F10	Φ20×6×40	Z10
	80:1		68Nm	F12	F10	F10	Φ20×6×40	Z10
	92:1		60Nm	F12	F10	F10	Φ20×6×40	Z10
YZ-2-SD	66:1	1600Nm	108Nm	F14	F12	F10	Φ20×6×40	Z10
	80:1		100Nm	F14	F12	F10	Φ20×6×40	Z10
	92:1		80Nm	F14	F12	F10	Φ20×6×40	Z10
YZ-2J-SD	70:1	3000Nm	150Nm	F16	F14	F14	Φ30×8×50	Z20
	110:1		100Nm	F16	F14	F10	Φ20×6×40	Z10
	140:1		80Nm	F16	F14	F10	Φ20×6×40	Z10
	180:1		60Nm	F16	F14	F10	Φ20×6×40	Z10
	260:1		41Nm	F16	F14	F10	Φ20×6×40	Z10
	340:1		34Nm	F16	F14	F10	Φ20×6×40	Z10
YZ-3-SD	110:1	4500Nm	146Nm	F16	F14	F14	Φ30×8×50	Z20
	130:1		125Nm	F16	F14	F14	Φ30×8×50	Z20
	200:1		80Nm	F16	F14	F10	Φ20×6×40	Z10
	280:1		60Nm	F16	F14	F10	Φ20×6×40	Z10
	340:1		50Nm	F16	F14	F10	Φ20×6×40	Z10
YZ-3J-SD	130:1	7500Nm	200Nm	F20	F16/F25	F14	Φ30×8×50	Z30
	190:1		142Nm	F20	F16/F25	F14	Φ30×8×50	Z20
	220:1		120Nm	F20	F16/F25	F10	Φ20×6×40	Z20
	250:1		108Nm	F20	F16/F25	F10	Φ20×6×40	Z20
	340:1		80Nm	F20	F16/F25	F10	Φ20×6×40	Z10
	450:1		60Nm	F20	F16/F25	F10	Φ20×6×40	Z10
YZ-4-SD	165:1	12000Nm	300Nm	F25	F16/F30	F16	Φ30×8×50	Z45
	180:1		250Nm	F25	F16/F30	F14	Φ30×8×50	Z30
	210:1		203Nm	F25	F16/F30	F14	Φ30×8×50	Z30
	360:1		120Nm	F25	F16/F30	F16	Φ30×8×50	Z60
	495:1		100Nm	F25	F16/F30	F14	Φ30×8×50	Z30
YZ-4J-SD	150:1	16500Nm	400Nm	F30	F25/F35	F16	Φ40×12×60	Z45
	195:1		300Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	235:1		250Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	260:1		230Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	290:1		203Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	490:1		120Nm	F30	F25/F35	F10	Φ20×6×40	Z20
YZ-5-SD	220:1	23000Nm	400Nm	F30	F25/F35	F16	Φ40×12×60	Z45
	270:1		300Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	330:1		250Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	360:1		230Nm	F30	F25/F35	F14	Φ30×8×50	Z30
	405:1		203Nm	F30	F25/F35	F14	Φ30×8×50	Z20
	740:1		120Nm	F30	F25/F35	F14	Φ30×8×50	Z20
YZ-5J-SD	250:1	28000Nm	400Nm	F35	F30/F40	F16	Φ40×12×60	Z45
	270:1		366Nm	F35	F30/F40	F14	Φ30×8×50	Z30
	335:1		300Nm	F35	F30/F40	F14	Φ30×8×50	Z30
	400:1		250Nm	F35	F30/F40	F14	Φ30×8×50	Z30
	490:1		203Nm	F35	F30/F40	F14	Φ30×8×50	Z20
	895:1		120Nm	F35	F30/F40	F10	Φ20×6×40	Z20
YZ-6-SD	220:1	32000Nm	542Nm	F35	F30/F40	F16	Φ40×12×60	Z60
	230:1		500Nm	F35	F30/F40	F16	Φ40×12×60	Z60
	250:1		450Nm	F35	F30/F40	F16	Φ40×12×60	Z45
	380:1		300Nm	F35	F30/F40	F14	Φ30×8×50	Z30
	460:1		250Nm	F35	F30/F40	F14	Φ30×8×50	Z30
	560:1		203Nm	F35	F30/F40	F14	Φ30×8×50	Z20
	700:1		176Nm	F35	F30/F40	F14	Φ30×8×50	Z20
YZ-6J-SD	250:1	48000Nm	680Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	340:1		500Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	380:1		450Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	470:1		366Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	570:1		300Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	740:1		250Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	910:1		203Nm	F40	F30/F35	F14	Φ30×8×50	Z30
YZ-7-SD	270:1	63000Nm	900Nm	F40	F30/F35	F16	Φ40×12×60	Z90
	400:1		600Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	480:1		500Nm	F40	F30/F35	F14	Φ30×8×50	Z60
	540:1		450Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	810:1		300Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	980:1		250Nm	F40	F30/F35	F14	Φ30×8×50	Z30
YZ-7X-SD	340:1	80000Nm	900Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	410:1		745Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	510:1		600Nm	F48	F35/F40	F16	Φ40×12×60	Z60
	610:1		500Nm	F48	F35/F40	F14	Φ30×8×50	Z60
	680:1		450Nm	F48	F35/F40	F14	Φ30×8×50	Z45
	1020:1		300Nm	F48	F35/F40	F14	Φ30×8×50	Z30

YZ-SD

YOYAGE

YZ-SD Series Quarter turn electric gear actuator

Model	Reduction ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		Input Flange
				Standard output flange	Optional output flange	Input Flange	Input axis	
YZ-7J-SD	320:1	100000Nm	1200Nm	F48	F35/F40	F25	Φ50×14×80	Z120
	370:1		1020Nm	F48	F35/F40	F25	Φ50×14×80	Z120
	430:1		900Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	640:1		600Nm	F48	F35/F40	F16	Φ40×12×60	Z60
	770:1		500Nm	F48	F35/F40	F14	Φ30×8×50	Z60
	860:1		450Nm	F48	F35/F40	F14	Φ30×8×50	Z45
YZ-8-SD	300:1	140000Nm	1800Nm	F48	F40/F60	F30	Φ60×18×90	Z180
	395:1		1355Nm	F48	F40/F60	F25	Φ50×14×80	Z180
	450:1		1200Nm	F48	F40/F60	F25	Φ50×14×80	Z120
	640:1		845Nm	F48	F40/F60	F16	Φ40×12×60	Z90
	790:1		680Nm	F48	F40/F60	F16	Φ40×12×60	Z90
	890:1		600Nm	F48	F40/F60	F16	Φ40×12×60	Z60
	990:1		542Nm	F48	F40/F60	F16	Φ40×12×60	Z60
YZ-8J-SD	540:1	190000Nm	1355Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	610:1		1200Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	715:1		1020Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	815:1		900Nm	F60	F40/F48	F16	Φ40×12×60	Z90
	980:1		745Nm	F60	F40/F48	F16	Φ40×12×60	Z90
	1075:1		680Nm	F60	F40/F48	F16	Φ40×12×60	Z90
	1260:1		600Nm	F60	F40/F48	F16	Φ40×12×60	Z60
	1520:1		500Nm	F60	F40/F48	F14	Φ30×8×50	Z60
	1680:1		450Nm	F60	F40/F48	F14	Φ30×8×50	Z45
	1900:1		400Nm	F60	F40/F48	F14	Φ30×8×50	Z45
YZ-9-SD	385:1	250000Nm	2500Nm	F60	F40/F48	F30	Φ60×18×90	Z250
	535:1		1800Nm	F60	F40/F48	F30	Φ60×18×90	Z180
	565:1		1700Nm	F60	F40/F48	F30	Φ60×18×90	Z180
	710:1		1355Nm	F60	F40/F48	F25	Φ50×14×80	Z180
	800:1		1200Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	940:1		1020Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	1110:1		900Nm	F60	F40/F48	F16	Φ40×12×60	Z90
	1250:1		800Nm	F60	F40/F48	F25	Φ50×14×80	Z90
	2000:1		500Nm	F60	F40/F48	F14	Φ30×8×50	Z60
	2500:1		400Nm	F60	F40/F48	F14	Φ30×8×50	Z45
YZ-9J-SD	540:1	350000Nm	2500Nm	F60	F80	F30	Φ60×18×90	Z250
	750:1		1800Nm	F60	F80	F30	Φ60×18×90	Z180
	790:1		1700Nm	F60	F80	F30	Φ60×18×90	Z180
	995:1		1355Nm	F60	F80	F25	Φ50×14×80	Z180
	1120:1		1200Nm	F60	F80	F25	Φ50×14×80	Z120
	1320:1		1020Nm	F60	F80	F25	Φ50×14×80	Z120
	1495:1		900Nm	F60	F80	F16	Φ40×12×60	Z90
	1680:1		800Nm	F60	F80	F25	Φ50×14×80	Z90
	2800:1		500Nm	F60	F80	F14	Φ30×8×50	Z60
	3500:1		400Nm	F60	F80	F14	Φ30×8×50	Z45
YZ-10-SD	515:1	450000Nm	3500Nm	F80	F48/F60	F30	Φ60×18×90	Z350
	575:1		3000Nm	F80	F48/F60	F30	Φ60×18×90	Z350
	690:1		2500Nm	F80	F48/F60	F30	Φ60×18×90	Z250
	850:1		2030Nm	F80	F48/F60	F30	Φ60×18×90	Z250
	960:1		1800Nm	F80	F48/F60	F30	Φ60×18×90	Z180
	1020:1		1700Nm	F80	F48/F60	F30	Φ60×18×90	Z180
	1280:1		1355Nm	F80	F48/F60	F25	Φ50×14×80	Z180
	1500:1		1200Nm	F80	F48/F60	F25	Φ50×14×80	Z120
	1765:1		1020Nm	F80	F48/F60	F25	Φ50×14×80	Z120
	2160:1		800Nm	F80	F48/F60	F25	Φ50×14×80	Z90
	3600:1		500Nm	F80	F48/F60	F14	Φ30×8×50	Z60
	4500:1		400Nm	F80	F48/F60	F14	Φ30×8×50	Z45
YZ-11-SD	775:1	650000Nm	3500Nm	F100	F80	F30	Φ60×18×90	Z350
	900:1		3000Nm	F100	F80	F30	Φ60×18×90	Z350
	1010:1		2500Nm	F100	F80	F30	Φ60×18×90	Z250
	1335:1		2030Nm	F100	F80	F30	Φ60×18×90	Z250
	1504:1		1800Nm	F100	F80	F30	Φ60×18×90	Z180
	1595:1		1700Nm	F100	F80	F30	Φ60×18×90	Z180
	1998:1		1355Nm	F100	F80	F25	Φ50×14×80	Z180
	2260:1		1200Nm	F100	F80	F25	Φ50×14×80	Z120
	2655:1		1020Nm	F100	F80	F25	Φ50×14×80	Z120
	3385:1		800Nm	F100	F80	F25	Φ50×14×80	Z90
	5420:1		500Nm	F100	F80	F14	Φ30×8×50	Z60
	6790:1		400Nm	F100	F80	F14	Φ30×8×50	Z45
YZ-12-SD	1010:1	850000Nm	3500Nm	F100	F80	F30	Φ60×18×90	Z350
	1180:1		3000Nm	F100	F80	F30	Φ60×18×90	Z350
	1420:1		2500Nm	F100	F80	F30	Φ60×18×90	Z250
	1750:1		2030Nm	F100	F80	F30	Φ60×18×90	Z250
	1970:1		1800Nm	F100	F80	F30	Φ60×18×90	Z180
	2085:1		1700Nm	F100	F80	F30	Φ60×18×90	Z180
	2620:1		1355Nm	F100	F80	F25	Φ50×14×80	Z180
	2955:1		1200Nm	F100	F80	F25	Φ50×14×80	Z120
	3480:1		1020Nm	F100	F80	F25	Φ50×14×80	Z120
	4435:1		800Nm	F100	F80	F25	Φ50×14×80	Z90
	7090:1		500Nm	F100	F80	F14	Φ30×8×50	Z60
	8860:1		400Nm	F100	F80	F14	Φ30×8×50	Z45

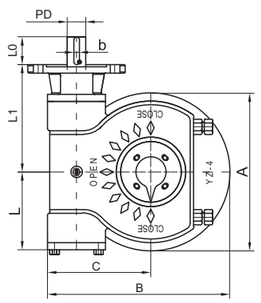
YZ-D

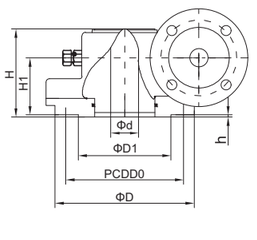
YOYAGE

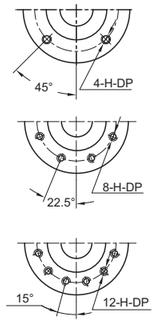
YZ-D Series Quarter turn electric gear actuator

This series of products is quarter turn electric gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Worm gear material choose ductile iron, aluminum bronze or D2, according to open times and electric actuator speed. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.









Model		YZ-0-D	YZ-1-D	YZ-2-D	YZ-2J-D	YZ-30-D	YZ-3-D	YZ-60-D	YZ-3J-D	YZ-4-D	YZ-100-D	YZ-4J-D	YZ-5-D	YZ-230-D	YZ-5J-D	YZ-6-D	YZ-6J-D	YZ-7-D	YZ-7X-D	YZ-7J-D	YZ-8-D	YZ-8J-D	YZ-9-D
TECHNICAL-PARAMETERS																							
Ratio		34:1	44:1	44:1	50:1	70:1	50:1	70:1	50:1	55:1	70:1	57:1	62:1	70:1	67:1	65:1	75:1	82:1	70:1	75:1	75:1	60:1	82:1
Max-torque	N·m	500	1200	1600	3500	3000	4500	6000	7500	12000	10000	16500	22000	23000	28000	38000	48000	63000	80000	100000	140000	190000	250000
	kgf·M	51	122	204	357	408	510	612	765	1225	1326	1683	2245	2251	2857	3878	2133	6428	8163	10204	14285	19388	25510
mechanical efficiency M.A.±10%		0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
CONNECTION-SIZE																							
FLANGE		F10	F12	F14	F16	F16	F16	F25	F20	F25	F30	F30	F30	F35	F35	F35	F40	F40	F48	F48	F48	F60	F60
Flange/ Dia. (D)		125	150	175	210	210	210	300	250	300	350	350	350	415	415	415	475	475	560	560	560	686	686
Bolt Circle Dia.(PCD D0)	D0	102	125	140	165	165	165	254	205	254	298	298	298	356	356	356	406	406	483	483	483	603	603
	N-H-DP	4-M10 -15	4-M12 -18	4-M16 -20	4-M20 -30	4-M20 -30	4-M20 -30	8-M16 -24	8-M16 -24	8-M16 -24	8-M20 -30	8-M20 -30	8-M20 -30	8-M30 -45	8-M30 -45	8-M30 -40	8-M36 -5	8-M36 -54	12-M36 -54	12-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54
Convex (D1×h)		70×3	85×3	100×4	130×5	130×5	130×5	200×5	140X5	200×5	230×5	230×5	230×5	260×5	260×5	260×5	300×8	300×8	370×8	370×8	370×8	470×8	470×8
Max stem dia.(d)		30 12×8	42 12×8	50 14×9	60 18×11	75 18×11	60 18×11	90 25×14	75 22×14	90 25×14	110 28×16	105 28×16	110 28×16	120 32×18	120 32×18	120 32×18	145 40×22	160 40×22	180 45×25	180 45×25	200 45×25	220 50×28	220 50×28
Electrical equipment connect	PD×b(key)	20×6	20×6	20×6	30×8	30×8	30×8	40×12	40X12	40×12	50×14	50×14	50×14	50×14	50×14	50×14	70×20	70×20	70×20	70×20	70×20	80×22	80×22
	L0	45	45	45	55	55	55	60	60	60	80	80	80	80	80	80	110	110	110	110	110	120	120
APPEARANCE-SIZE																							
A		125	150	175	210	270	225	360	300	340	400	350	390	460	430	470	560	590	620	660	730	770	800
B		156	185	207	245	315	265	403	331	393	458	418	427	509	488	532	637	670	705	735	817	910	995
C		90	110	120	140	180	125	223	186	222	258	243	232	279	275	298	357	375	395	405	452	525	535
L		80	85	95	115	137.5	122	177.5	148	167	196	185	187	223	225	232	280	295	315	340	365	395	420
L1		135	140	155	180	188.5	180	228.5	228	232	260	265	252	282	305	302	360	370	410	420	440	490	580
H		100	105	114	132	146	154	160	155	185	182	185	190	198.5	195	200	243	244	270	292	305	380	400
1		66	68	78	93	98	106	110.5	105	127	114.5	122	120	131	132	127	145	153	167	193	208	215	250
COMBINATION OF WORM GEAR BOX AND ELECTRICAL EQUIPMENT PARAMETERS																							
Electrical Parameters	Torque Nm	50	100	150	250	176	300	244	450	600	542	845	1200	1020	1350	1800	1800	2500	2500	3500	5000	8000	8000
	Speed r/min	24	24	24	24	24	24	48	24	24	36	36	24	24	24	24	24	24	24	24	24	24	24
	FLANGE F	F10	F10	F10	F14	F14	F14	F14	F16	F16	F16	F16	F25	F25	F25	F25	F25	F30	F30	F30	F35	F40	F40
Gearbox Parameters	Output Nm	500	1200	2000	3500	4000	4650	6000	6750	10200	13000	16500	22000	25000	27100	35000	40500	61500	73500	78750	112500	144000	196000
	Open-time S	22	27.5	27.5	31.2	43.8	32.2	21.8	32.2	34.3	29.1	28	39	43.8	42	40.6	47	51.3	44	47	47	37.5	51.3

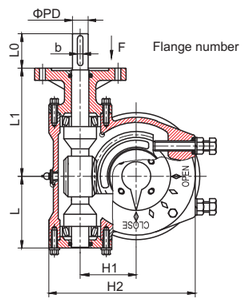
MY-D

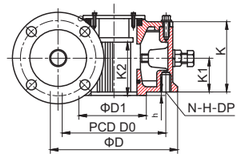
YOYAGE

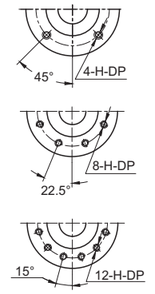
MY-D Series Quarter turn electric gear actuator

This series of products is quarter turn electric gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Worm gear material choose ductile iron, aluminum bronze or D2, according to open times and electric actuator speed. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.









Model		MY-00D	MY-0D	MY-1D	MY-2D	MY-3D	MY-4D	MY-5D	MY-6D	MY-7D	MY-8D	MY-9D	MY-10D
TECHNICAL-PARAMETERS													
Ratio		33:1	39:1	46:1	49:1	53:1	60:1	62:1	67:1	65:1	78:1	70:1	80:1
Max-torque	N·m	800	1200	1800	3500	5000	10000	18000	22000	40000	58000	80000	150000
	kgf·M	81.6	122.4	183.6	357	510	1122	1836	2245	3061	5510	8163	12245
Transmission efficiencyM.A.±10%		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CONNECTION-SIZE													
FLANGE		F10	F12	F14	F16	(F20)	F25	F30	F35	F40	F48	F60	F60
Flange/ Dia. (D)		125	150	175	210	250	300	350	415	475	560	686	686
Bolt Circle Dia.(PCD D0)	D0	102	125	140	165	205	254	298	356	406	483	603	603
	N-H-DP	4-M10 -15	4-M12 -18	4-M16 -24	4-M20 -30	8-M16 -24	8-M16 -24	8-M20 -27	8-M30 -45	8-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54
Convex (D1×h)		70×3	85×3	100×4	130×5	140×5	200×5	230×5	260×5	300×8	370×8	470×8	470×8
Max stem dia.(d)		30 8×7	38 10×8	45 14×9	55 16×10	65 20×12	80 22×14	105 28×16	115 32×18	140 36×20	155 40×22	200 45×25	220 50×28
Input Shaft	PD×b(key)	15×5	20×6	20×6	30×8	30×8	35×10	40×12	50×14	50×14	60×18	60×18	70×20
	L0	30	40	40	55	55	60	60	65	80	80	80	100
APPEARANCE-SIZE													
H1		55	66	75	92	111	145	160	200	225	270	315	355
H2		153.5	198.5	217.5	277	292.5	394	435	552.5	607.5	720	820	915
K		85	89	89	108	110	140	140	179	188	203	230	240
K1		43	51	52	63	61	85	87	90	100	100	120	125
K2		42	47	58	62	60	100	102	112	140	155	176	200
L		70	83	92	113	125	155	197	230	264	300	368	395
L1		135	148	157	178	193	223	265	298	332	368	495	545
COMBINATION OF WORM GEAR BOX AND ELECTRICAL EQUIPMENT PARAMETERS													
Electrical Parameters	Torque Nm	108	108	108	203	244	540	845	1020	2030	2030	3000	5000
	Speed r/min	24	24	24	24	48	36	36	24	36	24	24	24
	JB2920-81	Z10	Z10	Z10	Z20	Z30	Z60	Z90	Z120	Z250	Z250	Z350	Z500
	Connection flange	F10	F10	F10	F14	F14	F16	F16	F25	F25	F30	F30	F35
Gearbox Parameters	Output Nm	750	1200	1490	3000	4400	9700	15700	20500	40000	45000	76500	116000
	Open-timeS	21	24	29	31	19	25	26	42	27	49	44	50

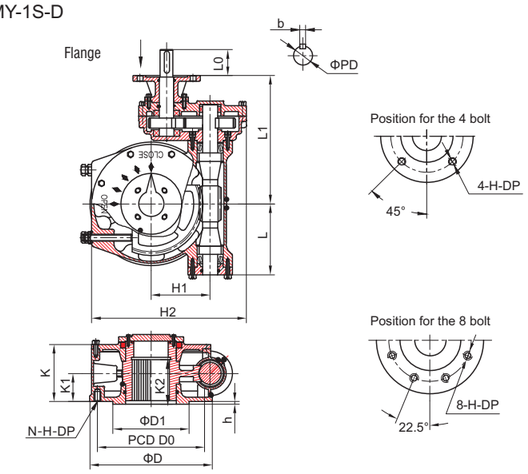
MY-1-SD

MY-1SD Series Quarter turn electric gear actuator

This series of products is quarter turn electric gear actuator. Suit to be used in ball valves, butterfly valves, plug valves, rotary ball valves etc. The housing made by precise casting, new design, nice appearance. It transmitted by worm gear and worm. The worm gear with self-locking. With tapered roller bearing, so the gearboxes can be operated more flexibly and have higher efficiency. Worm gear material choose ductile iron, aluminum bronze or D2, according to open times and electric actuator speed. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.

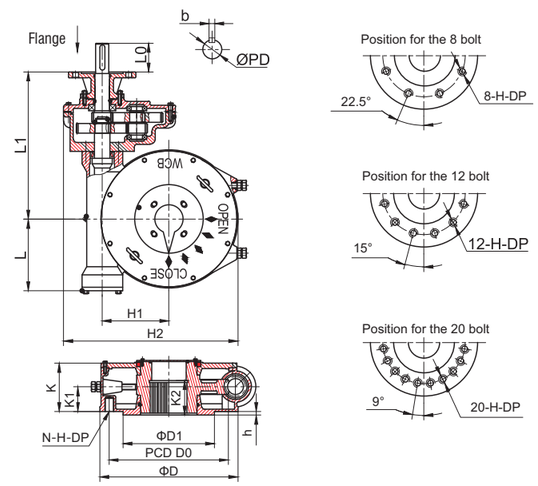


MY-1S-D



MY-1SZ-D





MY-1-SD

MY-1SD Series Quarter turn electric gear actuator

Model		MY-0 -1S-D	MY-1 -1S-D	MY-2 -1S-D	MY-3 -1S-D	MY-4 -1S-D	MY-4 -1SZ-D	MY-5 -1S-D	MY-5 -1SZ-D	MY-6 -1S-D	MY-6 -1SZ-D	MY-7 -1S-D	MY-8 -1S-D	MY-9- 1S-D	MY-10 -1S-D
CONNECTION-SIZE															
Flange		F12	F14	F16	(F20)	F25	F25	F30	F30	F35	F35	F40	F48	F60	F60
Flange/ Dia. (D)		150	175	210	250	300	300	350	350	415	415	475	560	686	686
Bolt Circle Dia.(PCD D0)	D0	125	140	165	205	254	254	298	298	356	356	406	483	603	603
	N-H-DP	4-M12 -18	4-M16 -24	4-M20 -30	8-M16 -24	8-M16 -24	8-M16 -24	8-M20 -27	8-M20 -27	8-M30 -45	8-M30 -45	8-M36 -54	12-M36 -54	20-M36 -54	20-M36 -54
Convex (D1×h)		85×3	100×4	130×5	140×5	200×5	200×5	230×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8
Max stem dia.(d)		38 10×8	45 14×9	55 16×10	65 20×12	80 22×14	80 22×14	105 28×16	105 28×16	115 32×18	115 32×18	140 36×20	155 40×22	200 45×25	220 50×28
Input Shaft		20	20	20	30	30	30	30	30	30	30	40	40	50	50
		6	6	6	8	8	8	8	8	8	8	12	12	14	14
		40	40	40	50	50	50	50	50	50	50	60	60	75	75
APPEARANCE-SIZE															
H1		66	75	92	111	145	145	160	160	200	200	225	270	315	334
H2		195	214	274.5	325.5	374	374	417.5	417.5	542.5	542.5	617.5	705	854	881
K		89	89	108	110	140	140	140	140	179	179	188	203	230	240
K1		47	45	63	57	80	80	70	70	90	90	100	100	120	125
K2		47	58	62	60	100	100	102	102	112	112	140	155	176	200
L		83	92	113	125	155	155	197	197	230	230	264	300	368	395
L1		211	220	248	261	310	345	345	375	388	409	463	503	49	570

Model	Optional ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		
				ISO5211	ISO5211	ISO5210	Input shaft	JB2920-81
MY-00-1SD	60:1	300Nm	25Nm	F10	F07	F10	Φ15×5×40	Z10
	60:1	400Nm	30Nm	F10	F07	F10	Φ15×5×40	Z10
MY-0-1SD	50:1	700Nm	60Nm	F12	F10	F10	Φ20×6×40	Z10
	60:1		48Nm	F12	F10	F10	Φ20×6×40	Z10
	70:1		41Nm	F12	F10	F10	Φ20×6×40	Z10
	50:1	1000Nm	80Nm	F12	F10	F10	Φ20×6×40	Z10
	60:1		68Nm	F12	F10	F10	Φ20×6×40	Z10
	70:1		60Nm	F12	F10	F10	Φ20×6×40	Z10
MY-1-1SD	60:1	1500Nm	108Nm	F14	F12	F10	Φ20×6×40	Z10
	70:1		100Nm	F14	F12	F10	Φ20×6×40	Z10
	82:1		80Nm	F14	F12	F10	Φ20×6×40	Z10
MY-2-1SD	122:1	2500Nm	100Nm	F16	F14	F10	Φ20×6×40	Z20
	235:1		48Nm	F16	F14	F10	Φ20×6×40	Z20
	320:1		41Nm	F16	F14	F10	Φ20×6×40	Z10
	122:1	3500Nm	120Nm	F16	F14	F10	Φ20×6×40	Z15
	235:1		68Nm	F16	F14	F10	Φ20×6×40	Z10
	320:1		60Nm	F16	F14	F10	Φ20×6×40	Z10
	440:1		41Nm	F16	F14	F10	Φ20×6×40	Z10
MY-3-1SD	132:1	4500Nm	142Nm	F20	F16	F14	Φ30×8×50	Z15
	170:1		120Nm	F20	F16	F10	Φ20×6×40	Z15
	256:1		80Nm	F20	F16	F10	Φ20×6×40	Z20
	346:1		68Nm	F20	F16	F10	Φ20×6×40	Z20
	475:1		48Nm	F20	F16	F10	Φ20×6×40	Z10
MY-4-1SD	150:1	6500Nm	203Nm	F25	F16/F20	F14	Φ30×8×50	Z20
	198:1		142Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	230:1		120Nm	F25	F16/F20	F10	Φ20×6×40	Z30
	265:1		108Nm	F25	F16/F20	F10	Φ20×6×40	Z60
	150:1	8500Nm	244Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	198:1		203Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	230:1		176Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	265:1		142Nm	F25	F16/F20	F14	Φ30×8×50	Z20
	150:1	10000Nm	298Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	198:1		244Nm	F25	F16/F20	F14	Φ30×8×50	Z30
	230:1		203Nm	F25	F16/F20	F14	Φ30×8×50	Z20
	265:1		176Nm	F25	F16/F20	F14	Φ30×8×50	Z20
MY-5-1SD	160:1	13000Nm	400Nm	F30	F25	F16	Φ40×12×60	Z60
	215:1		298Nm	F30	F25	F14	Φ30×8×50	Z60
	314:1		176Nm	F30	F25	F14	Φ30×8×50	Z45
	372:1		150Nm	F30	F25	F14	Φ30×8×50	Z30
	160:1	16000Nm	450Nm	F30	F25	F16	Φ40×12×60	Z45
	215:1		366Nm	F30	F25	F16	Φ40×12×60	Z45
	314:1		244Nm	F30	F25	F14	Φ30×8×50	Z30
	372:1		203Nm	F30	F25	F14	Φ30×8×50	Z30
MY-6-1SD	153:1	22000Nm	600Nm	F35	F25/F30	F16	Φ40×12×60	Z60
	215:1		450Nm	F35	F25/F30	F16	Φ40×12×60	Z45
	392:1		244Nm	F35	F25/F30	F14	Φ30×8×50	Z30
	490:1		203Nm	F35	F25/F30	F14	Φ30×8×50	Z30
	568:1		176Nm	F35	F25/F30	F14	Φ30×8×50	Z20
	705:1		142Nm	F35	F25/F30	F14	Φ30×8×50	Z15
	952:1		120Nm	F35	F25/F30	F10	Φ20×6×45	Z15
	153:1	26000Nm	750Nm	F35	F25/F30	F16	Φ40×12×60	Z90
	215:1		542Nm	F35	F25/F30	F16	Φ40×12×60	Z60
	392:1		298Nm	F35	F25/F30	F14	Φ30×8×50	Z30
	490:1		244Nm	F35	F25/F30	F14	Φ30×8×50	Z30
	568:1		203Nm	F35	F25/F30	F14	Φ30×8×50	Z20
	705:1		176Nm	F35	F25/F30	F14	Φ30×8×50	Z20
	952:1		142Nm	F35	F25/F30	F14	Φ30×8×50	Z15

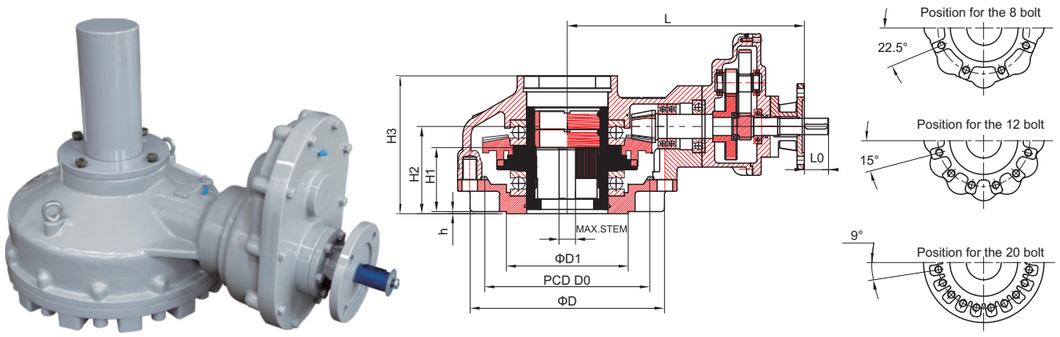
MY-1-SD

YOYAGE

MY-1SD Series Quarter turn electric gear actuator

Model	Optional ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		
				ISO5211	ISO5211	ISO5210	Input shaft	JB2920-81
MY-7-1SD	255:1	35000Nm	600Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	340:1		450Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	395:1		400Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	560:1		298Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	700:1		250Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	860:1		203Nm	F40	F30/F35	F14	Φ30×8×50	Z20
	1040:1		176Nm	F40	F30/F35	F14	Φ30×8×50	Z20
	255:1	40000Nm	680Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	340:1		500Nm	F40	F30/F35	F16	Φ40×12×60	Z60
	395:1		450Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	560:1		366Nm	F40	F30/F35	F14	Φ30×8×50	Z45
	700:1		250Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	860:1		244Nm	F40	F30/F35	F14	Φ30×8×50	Z30
	1040:1		203Nm	F40	F30/F35	F14	Φ30×8×50	Z20
MY-8-1SD	320:1	50000Nm	680Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	360:1		600Nm	F48	F35/F40	F16	Φ40×12×60	Z60
	435:1		500Nm	F48	F35/F40	F14	Φ30×8×50	Z60
	505:1		450Nm	F48	F35/F40	F14	Φ30×8×50	Z45
	620:1		366Nm	F48	F35/F40	F14	Φ30×8×50	Z45
	760:1		300Nm	F48	F35/F40	F14	Φ30×8×50	Z30
	910:1		250Nm	F48	F35/F40	F14	Φ30×8×50	Z30
	1248:1		203Nm	F48	F35/F40	F14	Φ30×8×50	Z20
	320:1	60000Nm	800Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	360:1		750Nm	F48	F35/F40	F16	Φ40×12×60	Z90
	435:1		600Nm	F48	F35/F40	F16	Φ40×12×60	Z60
	505:1		500Nm	F48	F35/F40	F14	Φ30×8×50	Z60
	620:1		450Nm	F48	F35/F40	F14	Φ30×8×50	Z45
	760:1		366Nm	F48	F35/F40	F14	Φ30×8×50	Z45
	910:1		300Nm	F48	F35/F40	F14	Φ30×8×50	Z30
	1248:1		244Nm	F48	F35/F40	F14	Φ30×8×50	Z30
MY-9-1SD	385:1	80000Nm	900Nm	F60	F48	F16	Φ40×12×60	Z90
	435:1		800Nm	F60	F48	F16	Φ40×12×60	Z90
	485:1		750Nm	F60	F48	F16	Φ40×12×60	Z60
	580:1		600Nm	F60	F48	F16	Φ40×12×60	Z60
	730:1		500Nm	F60	F48	F14	Φ30×8×50	Z60
	846:1		450Nm	F60	F48	F14	Φ30×8×50	Z45
	950:1		400Nm	F60	F48	F14	Φ30×8×50	Z45
	1120:1		366Nm	F60	F48	F14	Φ30×8×50	Z45
	385:1	100000Nm	1200Nm	F60	F48	F25	Φ50×14×80	Z120
	435:1		1020Nm	F60	F48	F25	Φ50×14×80	Z120
	485:1		900Nm	F60	F48	F16	Φ40×12×60	Z90
	580:1		750Nm	F60	F48	F16	Φ40×12×60	Z90
	730:1		625Nm	F60	F48	F16	Φ40×12×60	Z60
	846:1		600Nm	F60	F48	F16	Φ40×12×60	Z60
	950:1		542Nm	F60	F48	F16	Φ40×12×60	Z60
	1120:1		450Nm	F60	F48	F14	Φ30×8×50	Z45
MY-10-1SD	435:1	120000Nm	1200Nm	F60	F48	F25	Φ50×14×80	Z120
	535:1		1020Nm	F60	F48	F25	Φ50×14×80	Z120
	610:1		900Nm	F60	F48	F16	Φ40×12×60	Z60
	645:1		845Nm	F60	F48	F16	Φ40×12×60	Z60
	715:1		800Nm	F60	F48	F16	Φ40×12×60	Z60
	760:1		750Nm	F60	F48	F16	Φ40×12×60	Z60
	1000:1		600Nm	F60	F48	F16	Φ40×12×60	Z60
	1100:1		542Nm	F60	F48	F16	Φ40×12×60	Z60
	1248:1		500Nm	F60	F48	F14	Φ30×8×50	Z45
	435:1	150000Nm	1490Nm	F60	F48	F25	Φ50×14×80	Z120
	535:1		1290Nm	F60	F48	F25	Φ50×14×80	Z120
	610:1		1200Nm	F60	F48	F25	Φ50×14×80	Z120
	645:1		1100Nm	F60	F48	F25	Φ50×14×80	Z120
	715:1		1020Nm	F60	F48	F25	Φ50×14×80	Z120

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.



Model	MY-V0-SD	MY-V1-SD	MY-V2-SD	MY-V3-SD	MY-V35-SD	MY-V4-SD	MY-V5-SD	MY-V6-SD	MY-V7-SD	MY-V8-SD	MY-V9-SD	MY-V10-SD
TECHNICAL-PARAMETERS												
Max stem dia.(d)	35	40	52	60	70	90	110	120	130	150	180	200
Weight(Kg)	35	41	52	70	115	195	256	316	470	645	1350	1700
CONNECTION-SIZE												
FLANGE	F14	F16	(F20)	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)	175	210	250	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0) D0	140	165	205	254	298	356	356	406	483	603	603	813
N-H-DP	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-35	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-65
Convex (D1×h)	100×4	130×4	140×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	670×10
APPEARANCE-SIZE												
H1	55	62	89	97	120	120	152	176	188	230	200	200
H2	69	78	91	99.5	112	164	215	290	227	231	330	330
H3	114	125	144	163	225	269	235	338.5	331	346	409	540.5
L	160	180	305	330	390	400	480	500	550	610	817	964

MY-V-SD

YOYAGE

MY-V-SD Series Multi-turn electric gear actuator

Model	Optional ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		
				ISO5211	ISO5211/ JB2920-81	ISO5210	Input shaft	JB2920-81
MY-V0-SD	5:1	450Nm	102Nm	F14	F12/Z30	F10	Φ20×6×40	Z10
	6:1		90Nm	F14	F12/Z30	F10	Φ20×6×40	Z10
	8:1		80Nm	F14	F12/Z30	F10	Φ20×6×40	Z10
	9.7:1		68Nm	F14	F12/Z30	F10	Φ20×6×40	Z10
MY-V1-SD	5:1	600Nm	150Nm	F16	F4/Z45	F10	Φ20×6×40	Z15
	8:1		108Nm	F16	F4/Z45	F10	Φ20×6×40	Z10
	10:1		80Nm	F16	F4/Z45	F10	Φ20×6×40	Z10
	11.6:1		68Nm	F16	F4/Z45	F10	Φ20×6×40	Z10
MY-V2-SD	6:1	900Nm	200Nm	F20	F14/Z60	F14	Φ30×8×50	Z20
	8:1		150Nm	F20	F14/Z60	F14	Φ30×8×50	Z15
	10:1		125Nm	F20	F14/Z60	F10	Φ20×6×40	Z15
	13.2:1		100Nm	F20	F14/Z60	F10	Φ20×6×40	Z10
MY-V3-SD	6:1	1600Nm	350Nm	F25	F16/Z120	F14	Φ30×8×50	Z45
	8:1		244Nm	F25	F16/Z120	F14	Φ30×8×50	Z30
	10:1		230Nm	F25	F16/Z120	F14	Φ30×8×50	Z30
	17.6:1		125Nm	F25	F16/Z120	F10	Φ20×6×40	Z15
MY-V35-SD	8:1	4000Nm	600Nm	F30	F25/Z250	F16	Φ40×12×60	Z60
	10:1		542Nm	F30	F25/Z250	F16	Φ40×12×60	Z60
	15:1		366Nm	F30	F25/Z250	F14	Φ30×8×50	Z45
	18:1		300Nm	F30	F25/Z250	F14	Φ30×8×50	Z30
	20:1		270Nm	F30	F25/Z250	F14	Φ30×8×50	Z30
	23:1		250Nm	F30	F25/Z250	F14	Φ30×8×50	Z30
MY-V4-SD	10:1	6000Nm	800Nm	F30	F25/Z350	F25	Φ50×14×80	Z90
	15:1		542Nm	F30	F25/Z350	F16	Φ40×12×60	Z60
	20:1		400Nm	F35	F25/Z350	F16	Φ40×12×60	Z45
	25:1		366Nm	F35	F25/Z350	F16	Φ40×12×60	Z45
	30:1		270Nm	F35	F25/Z350	F16	Φ40×12×60	Z30
	35:1		244Nm	F35	F25/Z350	F14	Φ30×8×50	Z30
	40.5:1		230Nm	F35	F25/Z350	F14	Φ30×8×50	Z30
MY-V5-SD	10:1	8000Nm	1000Nm	F35	F30/Z800	F25	Φ50×14×80	Z120
	15:1		750Nm	F35	F30/Z800	F25	Φ50×14×80	Z90
	20:1		542Nm	F35	F30/Z800	F16	Φ40×12×60	Z60
	25:1		474Nm	F35	F30/Z800	F16	Φ40×12×60	Z60
	30:1		400Nm	F35	F30/Z800	F16	Φ40×12×60	Z45
	35:1		366Nm	F35	F30/Z800	F16	Φ40×12×60	Z45
	42.5:1		250Nm	F35	F30/Z800	F14	Φ30×8×50	Z30

MY-V-SD

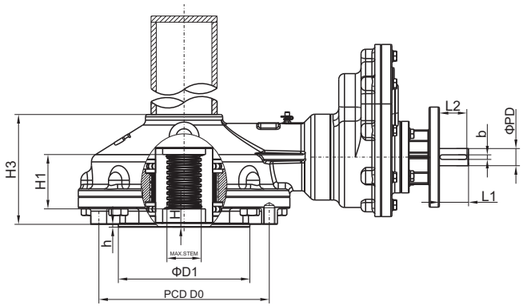
MY-V-SD Series Multi-turn electric gear actuator

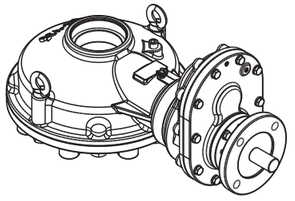
Model	Optional ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		
				ISO5211	ISO5211/ JB2920-81	ISO5210	Input shaft	JB2920-81
MY-V6-SD	10:1	10000Nm	1355Nm	F40	F35/Z100	F25	Φ50×14×80	Z120
	15:1		845Nm	F40	F35/Z100	F25	Φ50×14×80	Z90
	20:1		645Nm	F40	F35/Z100	F25	Φ50×14×80	Z60
	25:1		542Nm	F40	F35/Z100	F16	Φ40×12×60	Z60
	30:1		474Nm	F40	F35/Z100	F16	Φ40×12×60	Z60
	35:1		400Nm	F40	F35/Z100	F16	Φ40×12×60	Z45
	46:1		310Nm	F40	F35/Z100	F14	Φ30×8×50	Z30
MY-V7-SD	15:1	18500Nm	1700Nm	F48	F40	F30	Φ60×18×90	Z180
	20:1		1355Nm	F48	F40	F25	Φ50×14×80	Z120
	25:1		1020Nm	F48	F40	F25	Φ50×14×80	Z120
	30:1		845Nm	F48	F40	F25	Φ50×14×80	Z90
	40:1		680Nm	F48	F40	F16	Φ40×12×60	Z90
	50:1		542Nm	F48	F40	F16	Φ40×12×60	Z60
	60:1		474Nm	F48	F40	F16	Φ40×12×60	Z45
	70:1		400Nm	F48	F40	F16	Φ40×12×60	Z45
	80:1		366Nm	F48	F40	F16	Φ40×12×60	Z45
	94:1		300Nm	F48	F40	F14	Φ30×8×50	Z30
MY-V8-SD	15:1	26000Nm	2500Nm	F60	F40/F48	F30	Φ60×18×90	Z250
	20:1		1700Nm	F60	F40/F48	F30	Φ60×18×90	Z180
	25:1		1355Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	30:1		1290Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	40:1		1020Nm	F60	F40/F48	F25	Φ50×14×80	Z120
	50:1		800Nm	F60	F40/F48	F25	Φ50×14×80	Z90
	60:1		645Nm	F60	F40/F48	F16	Φ40×12×60	Z60
	70:1		542Nm	F60	F40/F48	F16	Φ40×12×60	Z60
	80:1		500Nm	F60	F40/F48	F25	Φ50×14×80	Z60
	112:1		400Nm	F60	F40/F48	F16	Φ40×12×60	Z45
MY-V9-SD	20:1	65000Nm	4300Nm	F60	F48	F35	Φ60×18×90	Z500
	30:1		3000Nm	F60	F48	F30	Φ60×18×90	Z350
	40:1		2300Nm	F60	F48	F30	Φ60×18×90	Z250
	50:1		1700Nm	F60	F48	F30	Φ60×18×90	Z180
	60:1		1700Nm	F60	F48	F30	Φ60×18×90	Z180
	75:1		1355Nm	F60	F48	F25	Φ50×14×80	Z120
	95:1		1020Nm	F60	F48	F25	Φ50×14×80	Z120
	105:1		1020Nm	F60	F48	F25	Φ50×14×80	Z120
	130:1		800Nm	F60	F48	F25	Φ50×14×80	Z90
	185:1		600Nm	F60	F48	F16	Φ40×12×60	Z60
MY-V10-SD	20:1	100000Nm	6500Nm	F80	F60	F40	Φ70×20×100	Z650
	30:1		5000Nm	F80	F60	F35	Φ60×18×90	Z500
	45:1		3500Nm	F80	F60	F35	Φ60×18×90	Z350
	60:1		2500Nm	F80	F60	F30	Φ60×18×90	Z250
	100:1		1700Nm	F80	F60	F30	Φ60×18×90	Z180
	120:1		1355Nm	F80	F60	F25	Φ50×14×80	Z120
	145:1		1200Nm	F80	F60	F25	Φ50×14×80	Z120
	165:1		1000Nm	F80	F60	F25	Φ50×14×80	Z120
	210:1		800Nm	F80	F60	F25	Φ50×14×80	Z90
	335:1		500Nm	F80	F60	F16	Φ40×12×60	Z60

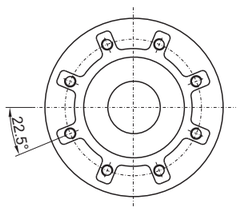
MY-SD-Q

MY-SD-Q Series Multi-turn gear actuator

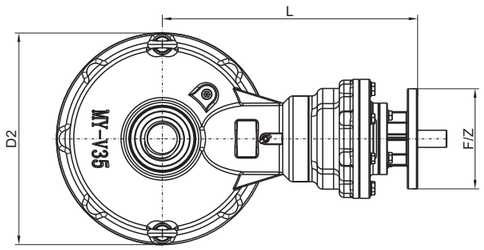
The device is a manual device directly installed on multi turn valves such as gate valve, track ball valve and stop valve. The device adopts the combination of spiral bevel gear and plane thrust bearing. The built-in valve stem nut adopts the lower structure, which is directly connected with the bevel gear disc, and bears thrust and axial force up and down. The secondary transmission adopts the combination of straight tooth reducer, The speed ratio can be adjusted according to the user's electric installation torque and speed requirements, and the electric installation input adapter can be used as iso5210 / JB / 2920-81 standard adapter. The product has the advantages of stable operation, large torque, low noise and high efficiency. The protection grade of conventional products is IP65. Under special circumstances, it can be used as IP67, IP68 or submerged underwater. The valve stem cover can be customized according to user requirements.

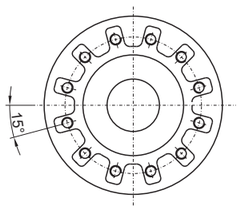




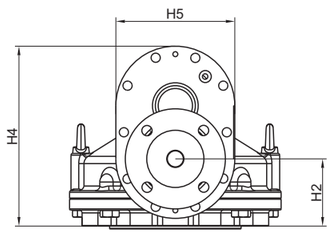


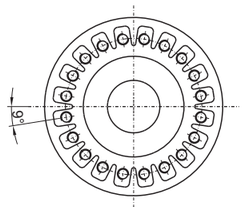
Position for the 8 bolt





Position for the 12 bolt





Position for the 20 bolt

Model		MY-V0 -SD-Q	MY-V1 -SD-Q	MY-V2 -SD-Q	MY-V3 -SD-Q	MY-V35 -SD-Q	MY-V4 -SD-Q	MY-V5 -SD-Q	MY-V6 -SD-Q	MY-V7 -SD-Q	MY-V8 -SD-Q	MY-V9 -SD-Q	MY-V10 -SD-Q
TECHNICAL-PARAMETERS													
Max-torque	N•m	480	600	1491	1600	4000	6000	8000	12500	23000	35000	65000	100000
	KN	123	140	186	215	385	430	560	2100	3500	4600	6800	8650
Max stem dia.(d)		40	52	60	65	75	95	105	130	145	160	180	200
CONNECTION-SIZE													
FLANGE		F14	F16	F16	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)		175	210	210	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0)	D0	140	165	165	254	298	356	356	406	483	603	603	800
	N-H-DP	4-M16-24	4-M20-30	4-M20-30	8-M16-24	8-M20-35	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-65
Convex (D1×h)		100×4	130×5	130×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	650×8
APPEARANCE-SIZE													
D2		175	210	300	300	370	415	475	545	560	686	800	934
H		10	10	10	10	16	20	20	20	20	20	10	10
H1		60	65	75	75	95	115	130	170	190	210	220	260
H2		73	86.5	88.5	88.5	117.5	160	173	205	225	228	233	325.5
H3		114	135	152	152	192	249	265	330	329	343	398	535.5
H4		223	236.5	267.5	267.5	314.5	388	401	433	535	538	797	965.5
H5		160	160	190	190	208	240	240	240	320	320	440	560
L		321	335	365	378	446.5	524	529	549	641.5	681.5	782	858
F/Z		F10	F14	F14	F14	F14	F14	F14	F14	F16	F16	F25	F25

MY-SD-Q

YOYAGE

MY-SD-Q Series Multi-turn gear actuator

Model	ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		Input Flange
				Standard output flange	Optional output flange	(ISO5210) Input flanges (ISO5210)	Input shaft	(JB 2920-81) Input flange (JB 2920-81)
MY-V0-SD-Q	5:1	450Nm	102Nm	F14	F12/Z30	F10	Φ20x6x40	Flange No.2
	6:1		90Nm	F14	F12/Z30	F10	Φ20x6x40	Flange No.2
	8:1		80Nm	F14	F12/Z30	F10	Φ20x6x40	Flange No.2
	9.7:1		68Nm	F14	F12/Z30	F10	Φ20x6x40	Flange No.2
MY-V1-SD-Q	5:1	600Nm	150Nm	F16	F14/Z45	F10	Φ20x6x40	Flange No.2
	8:1		108Nm	F16	F14/Z45	F10	Φ20x6x40	Flange No.2
	10:1		80Nm	F16	F14/Z45	F10	Φ20x6x40	Flange No.2
	11.6:1		68Nm	F16	F14/Z45	F10	Φ20x6x40	Flange No.2
MY-V2-SD-Q	6:1	900Nm	176Nm	F20	F16/Z60	F14	Φ30x8x50	Flange No.3
	8:1		150Nm	F20	F16/Z60	F14	Φ30x8x50	Flange No.2
	10:1		108Nm	F20	F16/Z60	F10	Φ20x6x40	Flange No.2
	13.2:1		80Nm	F20	F16/Z60	F10	Φ20x6x40	Flange No.2
MY-V3-SD-Q	6:1	1600Nm	300Nm	F25	F16/Z120	F14	Φ30x8x50	Flange No.3
	8:1		244Nm	F25	F16/Z120	F14	Φ30x8x50	Flange No.3
	10:1		200Nm	F25	F16/Z120	F14	Φ30x8x50	Flange No.3
	17.6:1		108Nm	F25	F16/Z120	F10	Φ20x6x40	Flange No.2
MY-V35-SD-Q	8:1	4000Nm	600Nm	F30	F25/Z250	F25	Φ40x12x60	Flange No.4
	10:1		474Nm	F30	F25/Z250	F16	Φ40x12x60	Flange No.4
	15:1		300Nm	F30	F25/Z250	F14	Φ30x8x50	Flange No.3
	20:1		250Nm	F30	F25/Z250	F14	Φ30x8x50	Flange No.3
	23:1		203Nm	F30	F25/Z250	F14	Φ30x8x50	Flange No.3
MY-V4-SD-Q	10:1	6000Nm	750Nm	F35	F30/Z800	F25	Φ40x12x60	Flange No.5
	15:1		474Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.4
	20:1		366Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.3
	28:1		270Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.3
	30:1		244Nm	F35	F30/Z800	F14	Φ30x8x50	Flange No.3
	38:1		203Nm	F35	F30/Z800	F14	Φ30x8x50	Flange No.3
MY-V5-SD-Q	10:1	8000Nm	1020Nm	F35	F30/Z800	F25	Φ50x14x80	Flange No.5
	15:1		645Nm	F35	F30/Z800	F25	Φ50x14x80	Flange No.4
	18:1		542Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.4
	20:1		474Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.4
	26:1		366Nm	F35	F30/Z800	F16	Φ40x12x60	Flange No.3
	38:1		250Nm	F35	F30/Z800	F14	Φ30x8x50	Flange No.3

MY-SD-Q

MY-SD-Q Series Multi-turn gear actuator

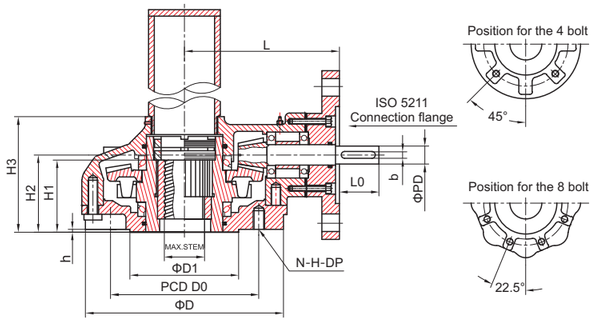
Model	ratio	Output torque N.m	Input torque N.m	Output Flange		Input Flange		Input Flange
				Standard output flange	Optional output flange	(ISO5210) Input flanges (ISO5210)	Input shaft	(JB 2920-81) Input flange (JB 2920-81)
MY-V6-SD-Q	10:1	14500Nm	1700Nm	F40	F35/Z100	F25	Φ50x14x80	Flange No.7
	15:1		1200Nm	F40	F35/Z100	F25	Φ50x14x80	Flange No.5
	20:1		900Nm	F40	F35/Z100	F16	Φ40x12x60	Flange No.5
	36:1		474Nm	F40	F35/Z100	F16	Φ40x12x60	Flange No.4
	43:1		400Nm	F40	F35/Z100	F16	Φ40x12x60	Flange No.4
MY-V7-SD-Q	15:1	23000Nm	1800Nm	F48	F40	F30	Φ60x18x90	Flange No.7
	20:1		1355Nm	F48	F40	F25	Φ50x14x80	Flange No.5
	27:1		1020Nm	F48	F40	F25	Φ50x14x80	Flange No.5
	40:1		680Nm	F48	F40	F16	Φ40x12x60	Flange No.4
	60:1		474Nm	F48	F40	F16	Φ40x12x60	Flange No.4
MY-V8-SD-Q	15:1	35000Nm	3000Nm	F60	F40/F48	F30	Φ60x18x90	Flange No.8
	22:1		1800Nm	F60	F40/F48	F30	Φ60x18x90	Flange No.7
	30:1		1355Nm	F60	F40/F48	F25	Φ50x14x80	Flange No.5
	40:1		1020Nm	F60	F40/F48	F25	Φ50x14x80	Flange No.5
	64:1		645Nm	F60	F40/F48	F16	Φ40x12x60	Flange No.4
	76:1		542Nm	F60	F40/F48	F16	Φ40x12x60	Flange No.4
MY-V9-SD-Q	20:1	65000Nm	4000Nm	F60	F48	F35	Φ60x18x90	Flange No.8
	25:1		3000Nm	F60	F48	F30	Φ60x18x90	Flange No.8
	30:1		2500Nm	F60	F48	F30	Φ60x18x90	Flange No.7
	43:1		1800Nm	F60	F48	F25	Φ50x14x80	Flange No.7
	64:1		1200Nm	F60	F48	F25	Φ50x14x80	Flange No.5
MY-V10-SD-Q	23:1	100000Nm	5000Nm	F80	F60	F40	Φ70x20x100	Flange No.8
	34:1		3500Nm	F80	F60	F35	Φ60x18x90	Flange No.8
	47:1		2500Nm	F80	F60	F30	Φ60x18x90	Flange No.7
	65:1		1800Nm	F80	F60	F30	Φ60x18x90	Flange No.7
	86:1		1355Nm	F80	F60	F25	Φ50x14x80	Flange No.5
	105:1		1200Nm	F80	F60	F25	Φ50x14x80	Flange No.5

MY-V-D

MY-V-D Series Multi-turn electric gear actuator

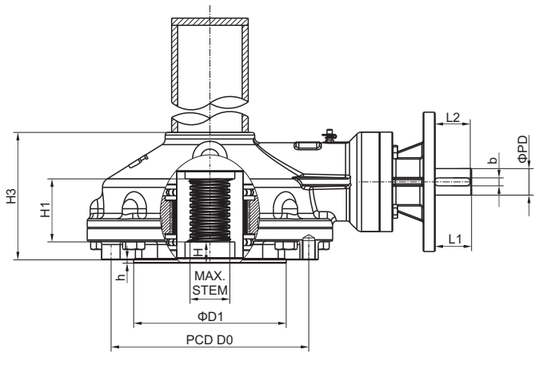
This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.

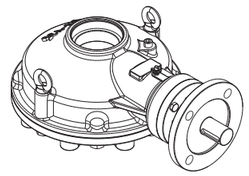


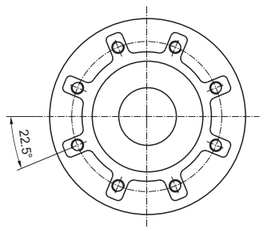


Model	MY-VS10-D	MY-VS20-D	MY-V0-D	MY-V1-D	MY-V2-D	MY-V3-D	MY-V35-D	MY-V4-D	MY-V5-D	MY-V6-D	MY-V7-D	MY-V8-D	MY-V9-D	MY-V10-D
TECHNICAL-PARAMETERS														
Ratio	2.3:1	2.35:1	3.1:1	3.6:1	4:1	4.1:1	4.5:1	5.6:1	6.3:1	6:1	6.5:1	7:1	5:1	5.5:1
	3:1	3:1	4:1	4:1			5:1	6:1	7:1	7:1				
Transmission efficiencyM.A.±10%	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Max-torque N·m	216	363	480	600	900	1600	4000	6000	8000	10000	18500	28000	65000	100000
Max stem dia.(d)	20	25	35	40	52	60	70	90	100	120	130	150	180	200
Weight Kg	10	12	21.5	28	35	50	95.5	160	190	288	390	565	980	1300
CONNECTION-SIZE														
JB2920-81 Flange No. connection with valve	Flange No.1	Flange No.1	Flange No.2	Flange No.3	Flange No.4	Flange No.5	Flange No.7	Flange No.8	Flange No.8	Flange No.9	Flange No.10			
FLANGE	F10	F12	F14	F16	(F20)	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)	125	150	175	210	250	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0) D0	102	125	140	165	205	254	298	356	356	406	483	603	603	813
Bolt Circle Dia.(PCD D0) N-H-DP	4-M10-15	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-63
Convex (D1×h)	70×3	85×3	100×4	130×4	140×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	670×10
Input Shaft PD×b(key)	20×6	20×6	30×8	30×8	30×8	40×12	40×12	45×14	45×14	50×14	50×14	60×18	70×20	70×20
Input Shaft L0	45	45	50	50	50	60	65	65	65	70	80	80	100	100
Connecting flange to electric actuator, JB2920-81	Flange No.1	Flange No.1	Flange No.2	Flange No.3	Flange No.4	Flange No.4	Flange No.5	Flange No.7	Flange No.7	Flange No.8	Flange No.8	Flange No.9	Flange No.10	Flange No.10
APPEARANCE-SIZE														
H1	38	46	55	62	75	85	105	120	145	165	195	200	285	355
H2	65	70	70	75	90	100	140	160	155	210	220	250	245	330
H3	110	125	128	145	160	170	225	280	280	335	360	380	410	540
L	160	175	200	220	248	265	320	325	395	405	430	480	680	720
BEVEL GEAR COMBINATION OF PARAMETERS AND ELECTRICAL EQUIPMEN														
Electrical Parameters Torque Nm	108	142	176	203	298	474	950	1020	1490	1700	3500	5000	10000	12000
Electrical Parameters Speed r/min	36	36	36	36	24/48	24/36/48	24/36/48	24/36/48	24/36	24/36	24	24	24	24
Electrical Parameters JB2920-81	Z10	Z15	Z20	Z20	Z30	Z45	Z90	Z120	Z180	Z180	Z350	Z500	Z1000	Z1200
Electrical Parameters Connection flange	F10	F10	F10/F14	F10/F14	F14/F16	F14/F16	F16/F25	F16/F25	F25/F30	F25/F30	F25/F30	F30/F35	F35/F40	F35/F40
Parameters of bevel gear Output Torque Nm	185	375	480	600	900	1600	3700	6000	8000	10000	18200	28000	42500	47000

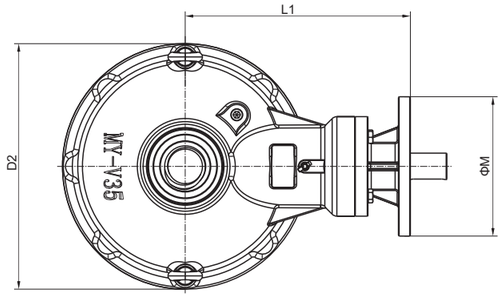
The device is a manual device directly installed on multi turn valves such as gate valve, track ball valve and stop valve. The device adopts the combination of spiral bevel gear and plane thrust bearing. The built-in valve stem nut adopts the lower mounting structure, which is directly connected with the bevel gear disc, and bears thrust and axial force up and down. The electric input adapter can be used as iso5210 / JB / 2920-81 standard adapter. The product has the advantages of stable operation, large torque, low noise and high efficiency. The protection grade of conventional products is IP65. Under special circumstances, it can be used as IP67, IP68 or submerged underwater. The valve stem cover can be customized according to user requirements.

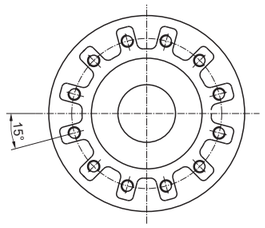




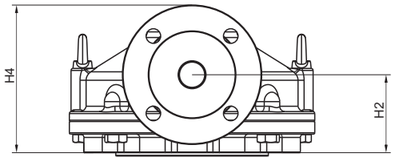


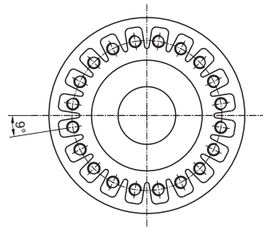
Position for the 8 bolt





Position for the 12 bolt





Position for the 20 bolt

MY-V-D-Q

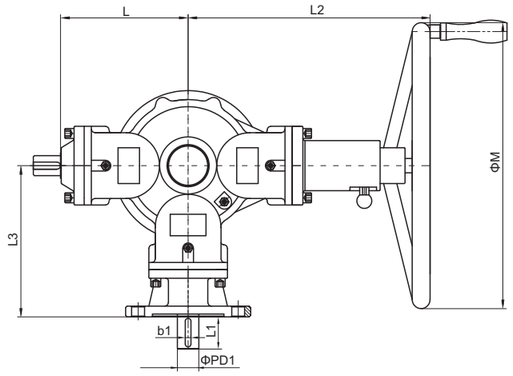
YOYAGE

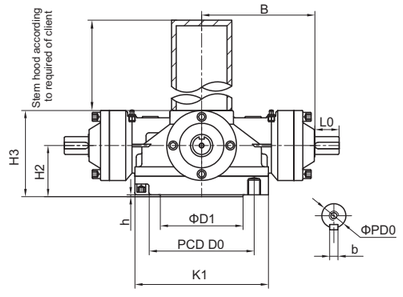
MY-V-D-Q Series Multi-turn electric gear actuator

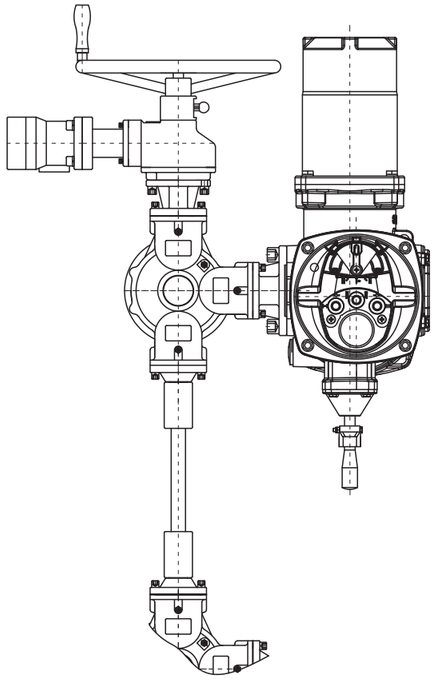
型号 Model		MY-V0 -D-Q	MY-V1 -D-Q	MY-V2 -D-Q	MY-V3 -D-Q	MY-V35 -D-Q	MY-V4 -D-Q	MY-V5 -D-Q	MY-V6 -D-Q	MY-V7 -D-Q	MY-V8 -D-Q	MY-V9 -D-Q	MY-V10 -D-Q
TECHNICAL-PARAMETERS													
Ratio		3.1:1	3.6:1	4.1:1	4.1:1	5.2:1	5.6:1	6.3:1	7:1	6.5:1	7 1	5:1	5.5 1
Transmission efficiencyM.A.±10%		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Max-torque	N•m	480	600	1491	1600	4000	6000	8000	12500	23000	35000	65000	100000
	KN	123	140	186	215	385	430	560	2100	3500	4600	6800	8650
Max stem dia.(d)		40	52	60	65	75	95	105	130	145	160	180	200
CONNECTION-SIZE													
JB2920-81 Flange No. connection with valve		Flange No.2	Flange No.3	Flange No.4	Flange No.5	Flange No.7	Flange No.8	Flange No.8	Flange No.9	Flange No.10			
FLANGE		F14	F16	F16	F25	F30	F35	F35	F40	F48	F60	F60	F80
Flange/ Dia. (D)		175	210	210	300	350	415	415	475	560	686	686	900
Bolt Circle Dia.(PCD D0)	D0	140	165	165	254	298	356	356	406	483	603	603	800
	N-H-DP	4-M16-24	4-M20-30	4-M20-30	8-M16-24	8-M20-30	8-M30-45	8-M30-45	8-M36-54	12-M36-54	20-M36-54	20-M36-54	20-M42-63
Convex (D1×h)		100×4	130×5	130×5	200×5	230×5	260×5	260×5	300×8	370×8	470×8	470×8	650×8
And electrical equipment connected	Pd×b (key)	30×8	30×8	30×8	40×12	45×14	50×14	50×14	50×14	55×16	60×18	70×20	70×20
	L1	50	50	50	60	65	65	65	70	80	80	100	100
	L2	47	47	47	57	62	62	62	67	77	77	97	97
Connecting flange to electric actuator, JB2920-81		Flange No.2	Flange No.3	Flange No.3	Flange No.4	Flange No.5	Flange No.7	Flange No.7	Flange No.8	Flange No.8	Flange No.9	Flange No.10	Flange No.10
APPEARANCE-SIZE													
D2		175	210	300	300	370	415	475	545	560	686	800	934
H		10	10	10	10	16	20	20	20	20	20	10	10
H1		60	65	75	75	95	115	130	170	190	210	220	260
H2		73	86.5	88.5	88.5	117.5	160	173	205	225	228	233	325.5
H3		114	135	152	152	192	249	265	330	329	343	398	535.5
H4		160.5	174	267.5	193	222.5	310	323	380	462.5	465.5	470.5	563
L		194	212	246	269	339.5	332	336	370	426.5	466.5	572	637
BEVEL GEAR COMBINATION OF PARAMETERS AND ELECTRICAL EQUIPMEN													
Electrical Parameters	Torque Nm	150	176	350	400	900	1200	1450	2000	4000	5000	10000	10000
	Speed r/min	36	36	36	24/36/48	24/36/48	24/36/48	24/36	24/36	24	24	24	24
	Connection flange	F14	F14	F14	F16	F16	F25	F25	F30	F30	F40	F40	F40
Parameters of bevel gear	Output Torque Nm	405	570	1260	1440	4000	6000	8000	12600	23400	31500	45000	49500

This bevel gearbox can be installed directly on the gate valves, butterfly valves, plug valves, globe valves and other valves. By using spiral bevel gears and thrust ball bearing, this series actuator can run smoothly, and has high output torque, low noise and high efficiency. It can avoid from water in and grease out. Protection grade is IP67. For special environment can be done IP68 and immersion. Handwheel and stem cover can be customized. For different valves and requirement, there are single stage gearboxes with input flange, two stage gearboxes with input flange, two stage manual gearboxes and so on.

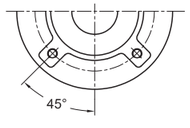




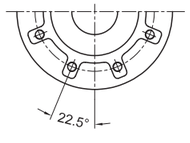




Position for the 4 bolt



Position for the 8 bolt



RK-DZ

YOYAGE

RK-DZ Series Multi-turn manual gear actuator

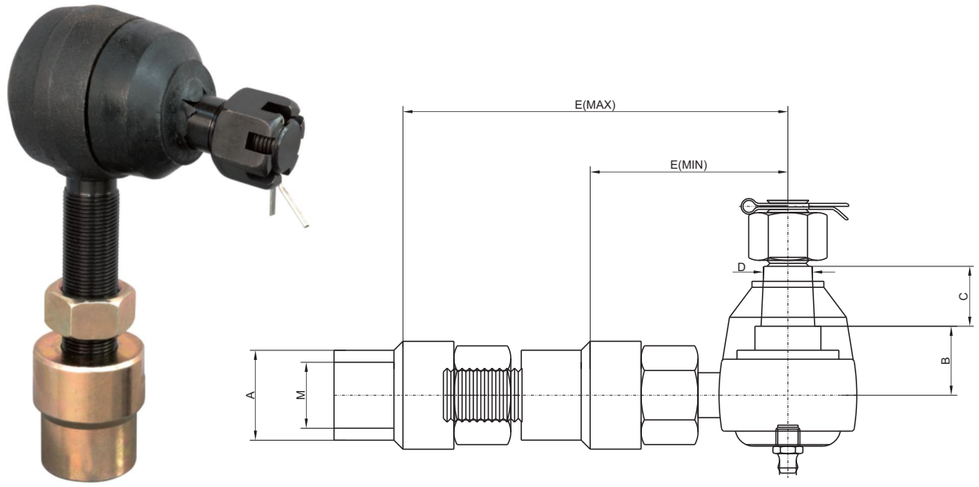
型号Model		RK03-DZ	RK05-DZ	RK1-DZ	2CK2-DZ	2CK3-DZ	2CK5-DZ	2CK8-DZ	2CK10-DZ
TECHNICAL-PARAMETERS									
Ratio		2.6:1	3:1	3.6:1	4.2:1	4.2:1	5:1	6.3:1	7.1:1
Max-thrust	N·m	90000	135000	180000	250000	280000	370000	650000	880000
	Kgf·m	9184	13776	18367	25510	28571	37755	66327	89796
Max-torque	N·m	350	550	900	1500	2000	2800	4500	6800
	Kgf·m	36	56	92	153	204	286	459	694
Max stem dia.(d)		42	52	60	70	80	95	110	130
Weight Kg		18	25	28	33	48	92.5	190	280
CONNECTION-SIZE									
Flange		F12	F14	F16	(F20)	F25	F30	F35	F40
Flange/ Dia. (D)		150	175	210	250	300	350	415	475
Bolt Circle Dia.(PCD D0)	D0	125	140	165	205	254	298	356	406
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M16-24	8-M16-24	8-M20-30	8-M30-45	8-M36-54
Convex (D1×h)		85×3	100×4	130×4	140×5	200×5	230×5	260×5	300×8
APPEARANCE-SIZE									
H1		45	69	76	89	97	120	150	176
H2		84	96	113	113	127	163	225	290
H3		110	123	138	140	152	188	250	320
L		152	170	180	202	226	280	355	365
L2		275	350	370	342	366	440	515	675
handwheel	PD0	20	28	28	32	32	32	38	50
	(b)key	6×6	8×7	8×7	10×8	10×8	10×8	10×8	2-16×10
	L0	26	40	50	38	38	44	44	50
	M	300	400	500	550	600	700	800	800
Input Shaft	PD1X(b1)key	20×6	30×8	30×8	30×8	40×12	45×14	50×14	50×14
	L1	45	50	50	50	60	65	65	70
JB2920-81 Input flange size		1号法兰 Flange No.1	2号法兰 Flange No.2	3号法兰 Flange No.3	4号法兰 Flange No.4	4号法兰 Flange No.4	5号法兰 Flange No.5	7号法兰 Flange No.7	8号法兰 Flange No.8
APPEARANCE-SIZE									
H1		46	55	62	75	85	105	145	165
H2		70	70	75	90	100	140	155	210
H3		125	128	145	160	170	225	280	335
L3		175	200	220	248	265	320	395	405
BEVEL GEAR COMBINATION OF PARAMETERS AND ELECTRICAL EQUIPMEN									
Electrical Parameters	input Torque Nm	200	250	300	450	600	900	1800	2000
	Speed r/min	36	36	36	24/48	24/36/48	24/36/48	24/36	24/36
	Connection flange F	F10	F14	F14	F14	F16	F16	F25	F30
Parameters of bevel gear	Output Torque Nm	375	600	864	1440	2040	3700	9000	11200

QJ

YOYAGE

QJ Series Spherical hinge

Ball hinge mechanism is used for connecting pieces of actuators of automatic control and adjustment mechanism, this series of products for electric power, metallurgy, mining, chemical, textile and other industrial automatic control system, is a widespread connecting mechanism. The product can bear the load of different surface, the structure is compact, the control is sensitive, accurate and wear resistance; the connection has the direct selling and the taper pin; the connecting rod is connected with the left and right thread. Convenient and reliable, large adjustment range; product design, can be in the dust and ash more working conditions, wet, low temperature -30 degrees ~+70 degrees under the conditions of use.



Model	Torque N·m	Pin Dia ΦD(mm)	Pin length ΦC(mm)	Taper shank pin diameter (1:10)	Pin length ΦC(mm)	B	Inner diameter × wall thickness	Maximum adjustment	Adjustment range
							ΦA(mm)	E(max)	(mm)
QJ-10	100	14	14	18	20	24	35×30	100	0-50
Q.J-25	250	16	20	18	20	26	35×30	100	0-70
Q.J-60	600	18	22	20	22	31	40×35	120	0-90
QJ-160	1600	20	24	24	30	33	45×39	150	0-110
QJ-400	4000	30	24	30	35	44	50×42	150	0-150
QJ-600	6000	30	30	30	35	40	50×42	210	0-150
Q.J-1000	10000	30	32	38	38	40	55×46	210	0-150
QJ-1500	15000	35	35	45/38	38	40	60×50	210	0-170

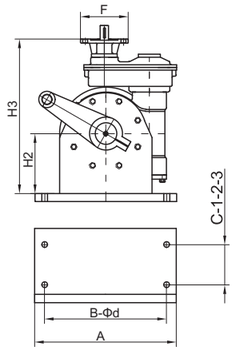
YZ-JZ

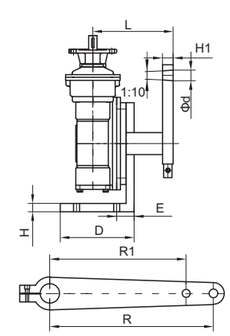
YOYAGE

YZ-JZ Series Gearbox with mounting base and lever arm

This series is mainly used in dampers, butterfly valves, ball valves, plug valves, rotary ball valves and other 90° open-close valves. Base size can be customized according to request. Output torque from 300Nm to 400000Nm, the catalogue provides only 9 of the base of the conventional base size. Flexible product design, easy to install, supporting the ball type hinge. Gearbox ratio can be customized according to the opening time of the scene, the electrical input torque and the speed of electric actuator. So there are more electric actuator for more choices.







Size model	YZ-JZ-1	YZ-JZ-2	YZ-JZ-3	YZ-JZ-4	YZ-JZ-5	YZ-JZ-6	YZ-JZ-7	YZ-JZ-8	YZ-JZ-9
A	160	160	295	350	410	520	520	630	630
B	140	140	223	270	338	448	448	580	580
C	4-Φ14 1×70	4-Φ14 1×70	4-Φ18 1×94	4-Φ22 1×102	6-Φ22 2×80	6-Φ22 2×80	6-Φ22 2×80	8-Φ22 3×70	8-Φ22 3×70
D	135	135	165	185	275	275	275	320	320
E	36	36	48	50	56	62	62	70	70
F	F10 Z10	F10 Z10	F10 Z20	F10 F14	F10 Z20 F14 Z45	F10 Z20 F14 Z60	F14 Z30 F16 Z120	F14 Z60 F16 Z180	F14 Z60 F16 Z180
H	15	15	20	25	30	30	35	45	45
H1	20	20	25	30	35	40	40	40	40
H2	115	115	150	180	210	220	220	270	405
H3	290	300	430	430	530	565	630	725	1025
L	165	180	225	225	280	295	300	310	490
R1	160	160	200	200	250	250	250	400	400
R2	200	200	250	250	300	300	300	500	500
Φd	18	18	20	30	30	35	35	35	35
Input torque	30Nm 45Nm	70Nm 90Nm	60Nm 200Nm	60Nm 300Nm	120Nm 450Nm	120Nm 600Nm	250Nm 1200Nm	250Nm 1800Nm	250Nm 1800Nm
Optinal ratio	80:1 44:1	80:1 44:1	200:1 50:1	335:1 50:1	300:1 50:1	415:1 55:1	450:1 65:1	640:1 65:1	920:1 82:1
Output torque	600Nm	1200Nm	1500Nm 2500Nm	2500Nm 4000Nm	4500Nm 6500Nm	6500Nm 10000Nm	10000Nm 20000Nm	20000Nm 32000Nm	32000Nm 46000Nm

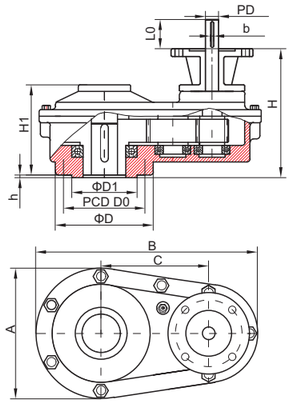
YZ-ZC-D

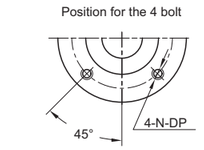
YOYAGE

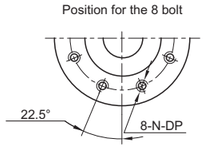
YZ-ZC-D Series Multi-turn electric gear actuator

This series gearboxes are 360 degree multi-turn operator with input flange. Mainly cooperate with electric actuators. Ratio can be customized according to the valves' open time. Vertical open the valve is achievable. Used in gate valves, butterfly valves, plug valves, globe valves, three-way ball valves and other valves. The housing made by precise casting, new design, nice appearance. Using by spur gear transmission, combination of thrust bearing and deep groove ball bearing,this series actuator can run smoothly, and has high output torque, low noise and high efficiency. Two connection types for choose: stem and key connection and removable nut type. Can produce based type gearboxes used in damper valves. The output mounting flange adapts to ISO 5211. So the gearboxes installed on the valve are very convenient. Input flange adapts to ISO 5211, JB2920-81 etc. General products protection grade is IP67. For special environment can be done IP68 and immersion.







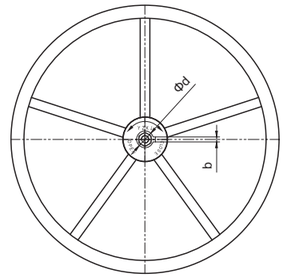


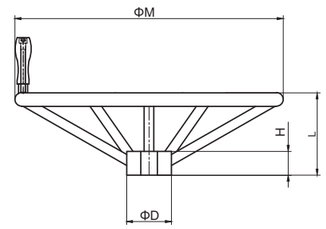
Model		YZ-ZC-1-D	YZ-ZC-2-D	YZ-ZC-3-D	YZ-IS-11	YZ-ZC-4-D	YZ-ZC-5-D	YZ-IS-16	YZ-ZC-6-D	YZ-ZC-7-D
TECHNICAL-PARAMETERS										
Standard Ratio		3:1	6:1	9:1	4:1	12:1	14:1	10:1	21:1	24:1
Optional ratio		2.5:1	3:1	4:1/6:1	6:1/12.5:1	6:1/9:1	6:1/10:1	6:1/15:1	9:1/15:1	10:1/20:1
Output torque N.m		600	2100	4400	7000	9500	11000	13000	15000	23000
Transmission efficiency M.A.±10%		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CONNECTION-SIZE										
Flange		F12	F14	F16	F30	F25	F30	F40	F40	F48
Flange/ Dia. (D)		150	175	210	350	300	350	475	475	560
Bolt Circle Dia.(PCD D0)	D0	125	140	165	298	254	298	406	406	483
	N-H-DP	4-M12-18	4-M16-24	4-M20-30	8-M20-30	8-M16-24	8-M20-30	8-M36-54	8-M36-54	12-M36-54
Convex (D1×h)		85×3	100×4	130×5	230×5	200×5	230×5	300×8	300×8	370×8
Max stem dia.(d)	mm (Φd) Max-Stem-Diameter	38 10×8	50 14×9	60 18×11	85 22×14	70 20×12	80 22×14	100 28×16	100 28×16	125 32×18
	mm (Tr) Max-Stem-Diameter	32	40	52	80	70	75	120	90	110
Electrical equipment connect	PD×b(key)	20×6	30×8	40×12	50×14	40×12	50×14	50×14	50×14	60×18
	L0	45	55	60	80	60	80	80	80	90
APPEARANCE-SIZE										
A		200	225	280	410	380	440	550	560	795
B		340	375	460	655	645	785	920	920	1275
C		165	190	235	357	318	395	450	450	680
H		195	230	235	341	255	305	350	350	500
H1		138	185	200	263	236	328	285	285	430
COMBINATION OF WORM GEAR BOX AND ELECTRICAL EQUIPMENT PARAMETERS										
Electrical Parameters	Torque Nm	200	300	600	1800	900	1200	1450	1200	1200
	Speed r/min	24	24	24	24	24	24	24	24	24
	ISO5210/GB2920-81	F10/DZW 20A	F14/DZW 30A	F14/DZW 60A	F25/DZW 250	F16/DZW 90I	F25/DZW 120	F30/DZW 250	F25/DZW 120	F25/DZW 120
Parameters of bevel gear	Output Torque Nm	540	1600	3645	6480	8600	11000	1000	15000	23000

MY-YZ

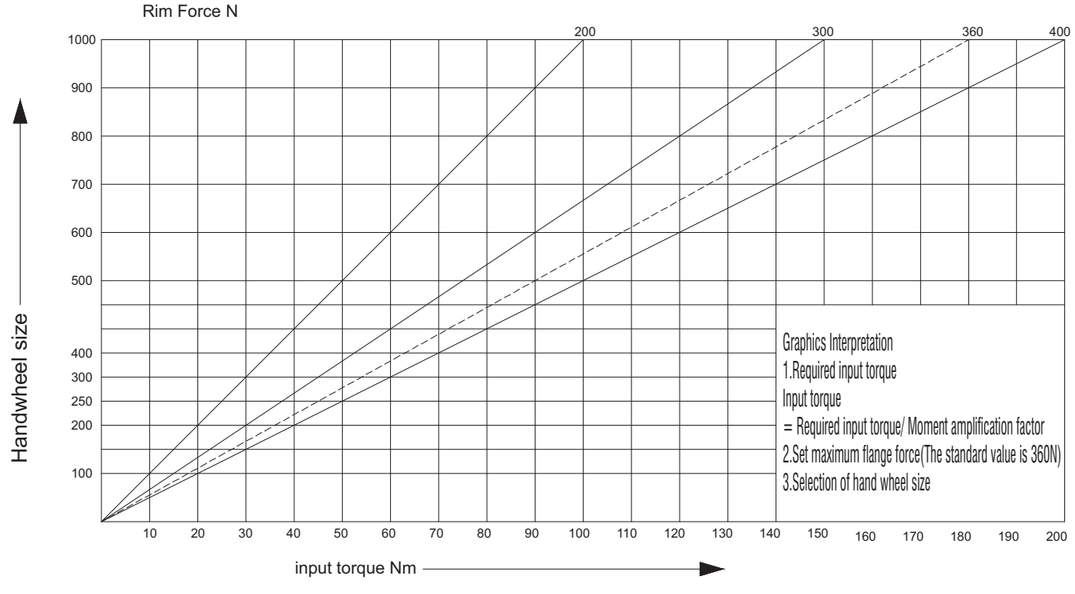
YOYAGE

MY-YZ Handwheel size





ΦM	160	200	250	300	350	400	450	500	600	650	700	750	800	850	900	950	1000
ΦD	35	35	35	50	50	55	55	55	55	60	60	70	70	75	75	80	80
Φd	15	15	15	21	21	28	28	28	28	32	32	38	38	45	45	50	50
b	5	5	5	6	6	8	8	8	8	10	10	10	10	12	12	14	14
L	50	50	90	90	90	90	90	100	100	200	200	200	200	200	200	200	200
H	32	32	32	36	36	46	46	46	46	61	61	61	61	61	61	61	61



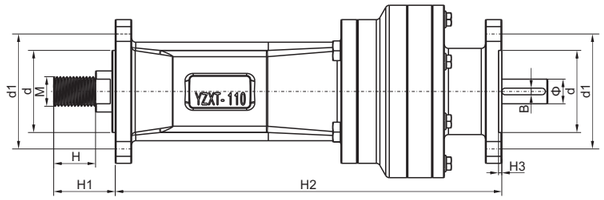
YZ-XT-S

YOYAGE

YZ-XT-S Series Straight stroke linear thruster

This series is a kind of conversion device that converts the multi rotation torque of the actuator into linear thrust. Through the transmission of screw nut, the screw is equipped with plane bearing thrust, which can bear bidirectional thrust load. The shell is made of integral casting, and the internal screw nut is made of special anti seizing material. The alloy has excellent performance under high and low temperature conditions. It has high transmission efficiency And wear resistance. The internal push rod and push seat adopt piston structure, with small clearance and good straightness, which has significant effect on controlling control valve and frequently used control valve with high straightness requirements. The product adopts waterproof and dustproof structure, which can meet the requirements of IP68, and can be used in various environments.





Model	Input Flange	Output Flange	Stem Thread	Pitch (mm)	Input Torque (Nm)	Max Thrust (KN)	Max Stroke (mm)
YZ-XT-12.1	F10	F10	Tr26X5-LH	5	30	11.5	50/100/ 150/200/400
YZ-XT-25.1	F10	F10	Tr26X5-LH	5	60	23	50/100/ 150/200/400
YZ-XT-50.1	F10	F10	Tr32X6-LH	6	125	37	50/100/ 150/200/400
YZ-XT-70.1	F14	F14	Tr40X7-LH	7	250	64	60/110/160/ 260/320/400
YZ-XT-100.1	F14	F14	Tr40X7-LH	7	500	128	60/110/160/ 260/320/400
YZ-XT-200.1	F16	F16	Tr52X8-LH	8	1000	217	60/110/160/ 260/320/400
YZ-XT-50.1-S	F10	F10	Tr32X6-LH	6	50	39	50/100/ 150/200/400
YZ-XT-70.1-S	F10	F14	Tr40X7-LH	7	80	64	60/110/160/ 260/320/400
YZ-XT-100.1-S	F14	F14	Tr40X7-LH	7	150	128	60/110/160/ 260/320/400
YZ-XT-200.1-S	F14	F16	Tr52X8-LH	8	400	217	60/110/160/ 260/320/400

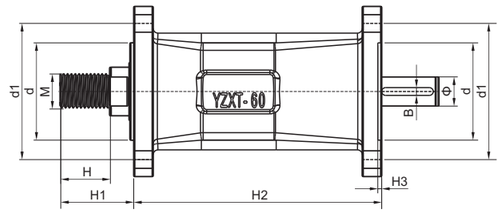
YZ-XT

YOYAGE

YZ-XT Series Straight stroke linear thruster

This series is a kind of conversion device that converts the multi rotation torque of the actuator into linear thrust. Through the transmission of screw nut, the screw is equipped with plane bearing thrust, which can bear bidirectional thrust load. The shell is made of integral casting, and the internal screw nut is made of special anti seizing material. The alloy has excellent performance under high and low temperature conditions. It has high transmission efficiency And wear resistance. The internal push rod and push seat adopt piston structure, with small clearance and good straightness, which has significant effect on controlling control valve and frequently used control valve with high straightness requirements. The product adopts waterproof and dustproof structure, which can meet the requirements of IP68, and can be used in various environments.





Model	Max Stroke (mm)	Max Thrust (KN)	H	H1	H2	d	d1	Φ×B	M	Input Flange
YZ-XT-12.1	50/100/150/200/400	11.5	25	55	195/245/315/364/665	70	102	Φ20×6	12×1.25	F10/F10
YZ-XI-25.1	50/100/150/200/400	23	29	60	195/245/315/364/665	70	102	Φ20×6	16×1.5	F10/F10
YZ-XT-50.1	50/100/150/200/400	39	34	65	195/245/315/364/665	70	102	Φ20×6	20×1.5	F10/F10
YZ-XT-70.1	60/110/160/260/320/400	64	51	74	255/295/365/495/695	100	140	Φ30×8	36×3	F14/F14
YZ-XT-100.1	60/110/160/260/320/400	128	51	74	255/295/365/495/695	100	140	Φ30×8	36×3	F14/F14
YZ-XT-200.1	60/110/160/260/320/400	217	60	90	260/310/395/585/625/765	130	165	Φ40×12	42×3	F16/F16
YZ-XT-70.1-S	60/110/160/260/320/400	64	51	74	430/470/540/670/870	100	140	Φ30×8	36×3	F10/F14
YZ-XT-100.1-S	60/110/160/200/320/400	128	51	74	480/470/540/670/870	100	140	Φ30×8	36×3	F14/F14
YZ-XT-200.1-S	60/110/160/260/320/400	217	60	90	460/510/595/735/825/965	130	165	Φ40×12	42×3	F14/F16

备忘录

Memo