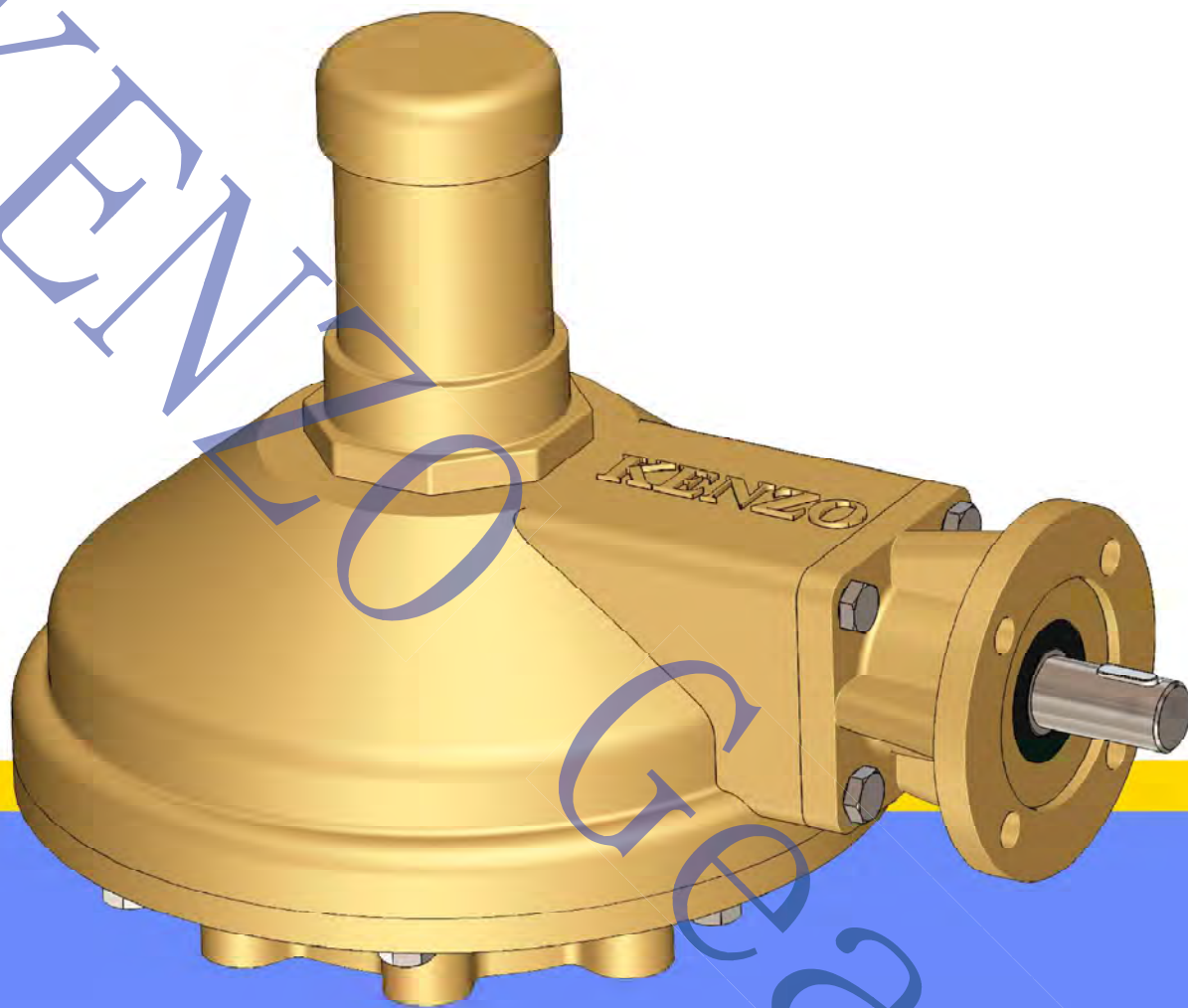




KENZO® Gears

QB Multi-turn Gearbox



Shanghai Kenzo Control Equipment Co., Ltd.

www.shqzkz.com



Since 1994

Introduction

The KENZO QB series Multi-turn gearbox with high precision & reliability are mainly used in globe valve, gate valves.

The function is to reduce the speed and increase the torque. It can be manual or motorised.

Attributes

All mounting bases conform to ISO 5210 standards.

High tensile aluminum bronze stem nut keeping corrosion and abrasion resistance.

Total enclosed gearing with sealed transmission system.

All castings are ductile iron, Class 65-45-12, excellent strength and impact resistance.

High quality coating with corrosion protection.

Heavy duty roller bearings withstand axial & radial thrust loads.

Gears are machine cut, heat treated and ground for optimum operation.

Options

Operation:

- Input flange for electric actuator
- Hand wheel

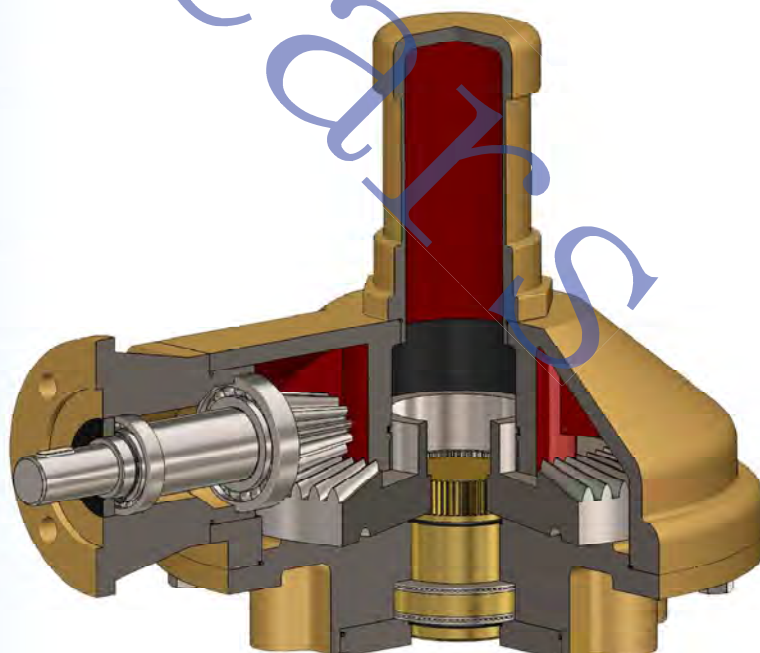
Ambient temperature:

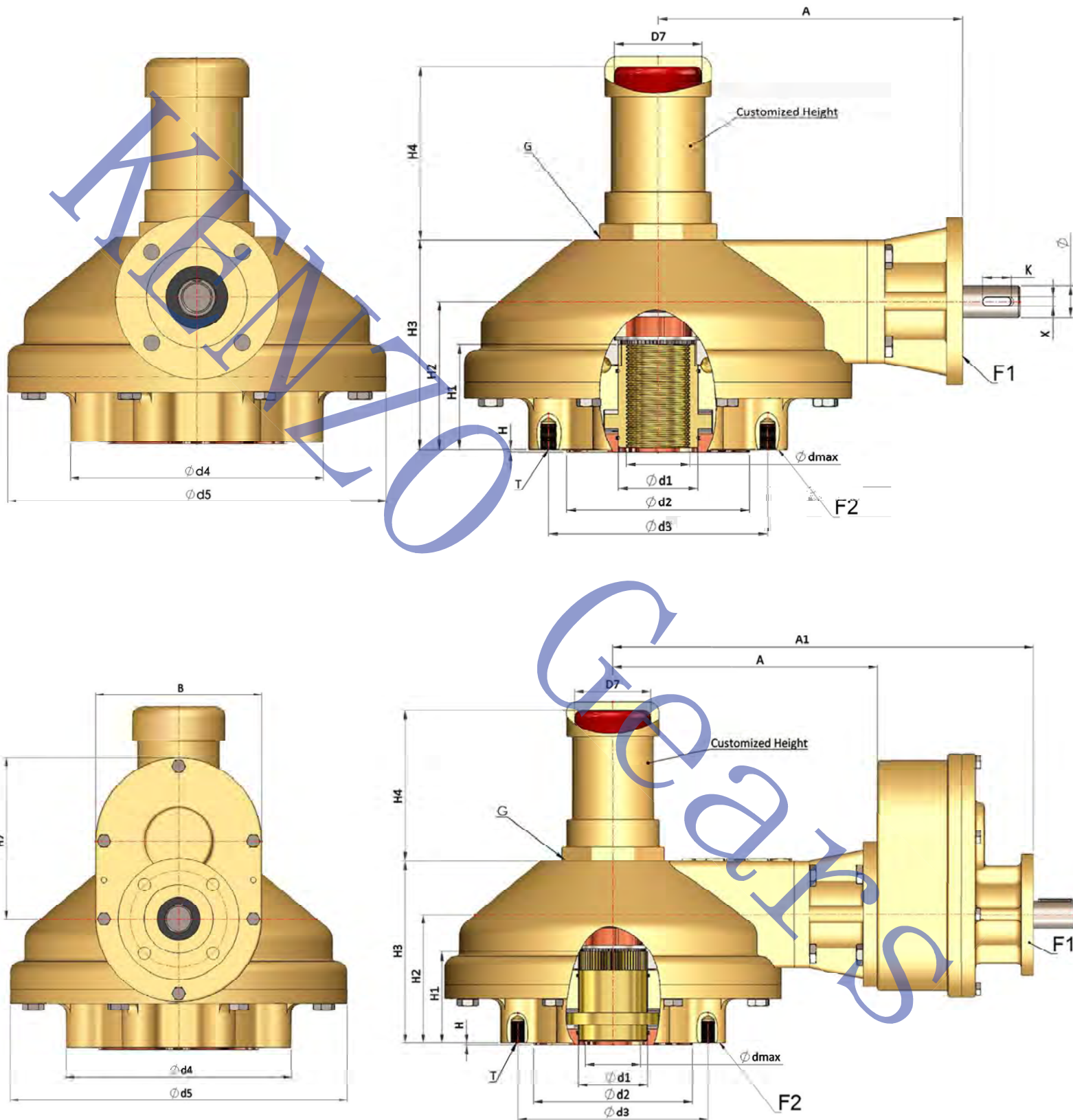
- standard for -30°C to $+120^{\circ}\text{C}$
- Ultralow temperature -40°C to $+120^{\circ}\text{C}$
- Ultrahigh temperature -30°C to $+300^{\circ}\text{C}$

Enclosure Protection:

- IP67 (standard)
- IP68

Many options, such as stem protector, painting color, Intermediary Flange, stage reducer, and etc.

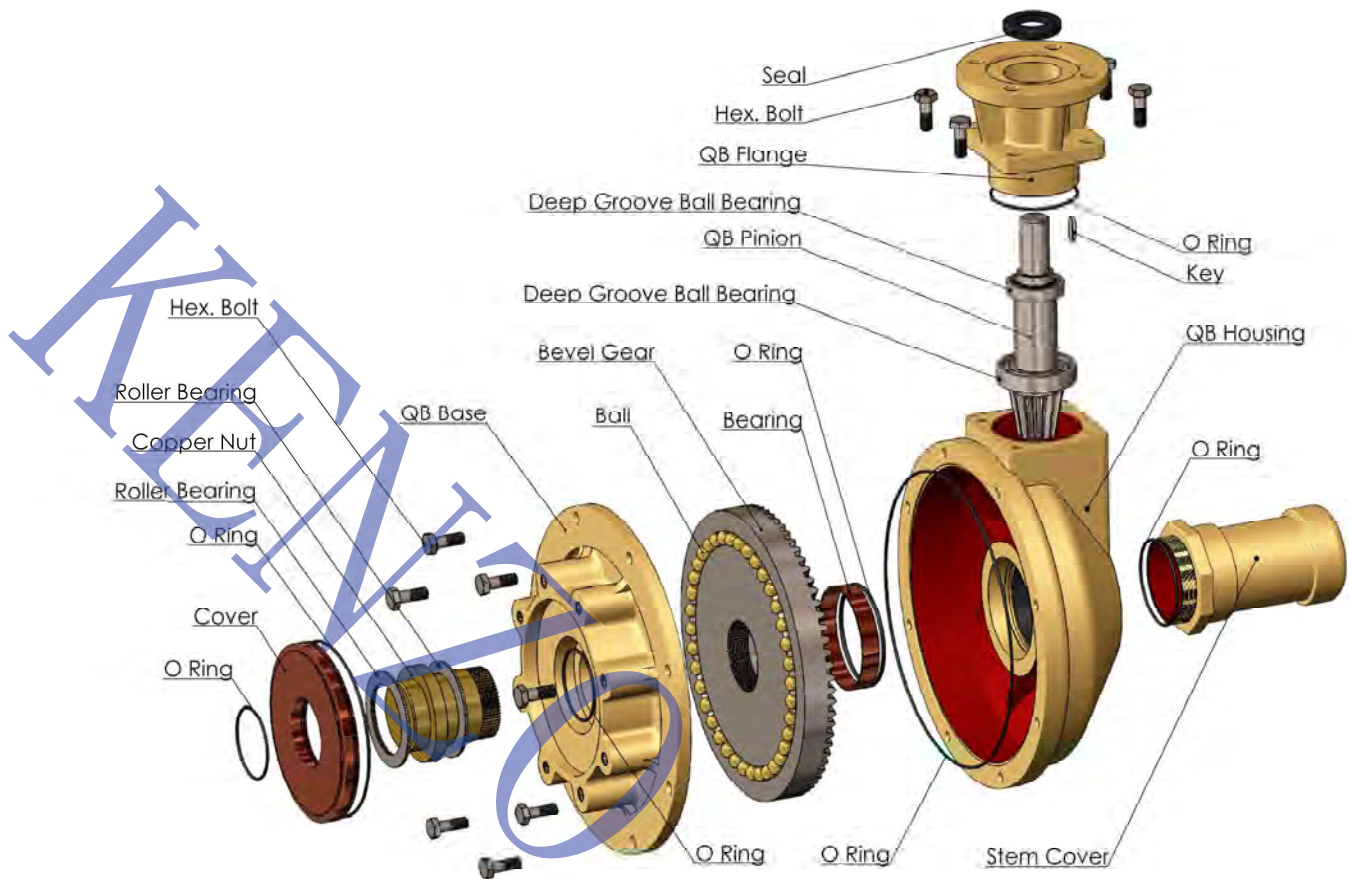




Model	External Part									Input Part			Output Part						
	A	A1	Ød5	Bronze Nut	Height of Bronze Nut	H2	H3	H4	G	Input Flange	Input Shaft		H	Ød4	Ød1	Ød2	Output Flange	P.C.D	
				Ødmax	H1					F1	Ø	KEY					F2	Ød3	T(N-H-DP)
QB3	153	-	164	35	60	75	110	100	G2"	F10	20	6×6	3	125	50	70	F10	102	4-M10-15
QB4 QB4R	188	328	220	45	64	91	143	140	G2(1/2)"	F10	20	6×6	3	125	60	70	F10	102	4-M10-15
										F14	20	6×6		175		100	F14	140	4-M16-24
QB6 QB6R	233	415	325	65	86	116	168	170	G2(1/2)"	F10	20	6×6	3	125	80	70	F14	140	4-M16-24
										F14	30	8×7		175		100	F16	165	4-M20-30
										F16	30	8×7		210		130	F25	254	8-M16-24
QB8 QB8R	302	484	385	75	104	144	212	410	G4"	F14	30	8×7	3	175	90	100	F16	165	4-M20-30
										F16				210		130	F25	254	8-M16-24
										F25	30	8×7		300		200	F30	298	8-M20-30
QB10 QB10R	383	608	490	80	120	176	254	520	G4"	F14	30	8×7	3	175	110	100	F30	298	8-M20-30
										F16	40	12×8		210		130	F25	254	8-M16-24
										F25	50	14×9		300		200	F35	356	8-M30-45
QB12 QB12R	422	648	565	100	167	202	280	520	G4"	F14	30	8×7	4	175	130	100	F30	298	8-M20-30
										F16	40	12×8		210		130			
										F25	50	14×9		300		200			
										F30	50	14×9		350		230			
QB14 QB14R	423	626	590	130	167	264	384	520	M160×3	F16	40	12×8	5	210	160	130	F40	406	8-M36-54
										F25	50	14×9		300		200	F35	356	8-M30-45
										F30	50	14×9		350		230			

UNIT: mm

Model		Gear Ratio		Stem Cover Height	Multi-Turn Max. Stem Acceptance	Input Flange	Output Flange		Max. Output Torque	Weight
							Standard	Option		
QB3	QK10.2	3	4	100	40(12×8)	F10	F10	-	300	13
		6								
QB4	QK14.2	3	4	140	60(18×11)	F10/F14	F14	F10	600	26
QB4R	QK14.2R	8	12							39
QB6	QK16.2	3	4	170	80(22×14)	F14/F10	F16	F14	1500	60
		6								86
QB6R	QK16.2R	8	10	410	100(28×16)	F14/F16	F25	F16	2500	122
		12								148
QB8	QK25.2	3	4	410	100(28×16)	F14	F25	F16	2500	148
QB8R	QK25.2R	8	10							
QB10	QK30.2	3.4	4	520	120(32×18)	F14/F16/F25	F30	F25/F35	5000	275
		6								325
QB10R	QK30.2R	8	10	520	120(32×18)	F14/F10/F16	F30	F25/F35	5000	325
		16	20							
QB12	QK35.2	6	8	520	120(32×18)	F25/F16	F30	F25/F35	8800	400
QB12R	QK35.2R	12	18							450
		36								
QB14	QK40.2	5		520	160(40×22)	F25/F16	F40	F35	15000	465
QB14R	QK40.2R	10	15							515
		25	30							



No.	Description	Material	BS	ASTM	Remark
1	QB Housing	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	Standard
2	Thrust Roller Bearing	Special Steel		ASTM A295-52100	
3	Bevel Gear	Steel	BS970 817M40T	AISI/SAE 4340	
4	Bearing	Special Steel		ASTM A295-52100	
5	O Ring	Buna-N Rubber	NBR	NBR	
6	QB Base	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	
7	Bronze Nut	Aluminium Bronze		B148-C95800	
8	Bearing Cover	Steel	BS970 070M20	AISI/SAE 1023	
9	R Housing	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	
10	Spur Gear	Steel	BS970 817M40T	AISI/SAE 4340	
11	R Cover	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	
12	QB Flange	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	
OP-1	Hand Wheel	Steel Pipe	BS1387	A182	Option
OP-2	Washer	Stainless Steel	BSEN10088-1-95	ASTM A276-96	
OP-3	HEX. Bolts	Stainless Steel	BSEN10088-1-95	ASTM A276-96	

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