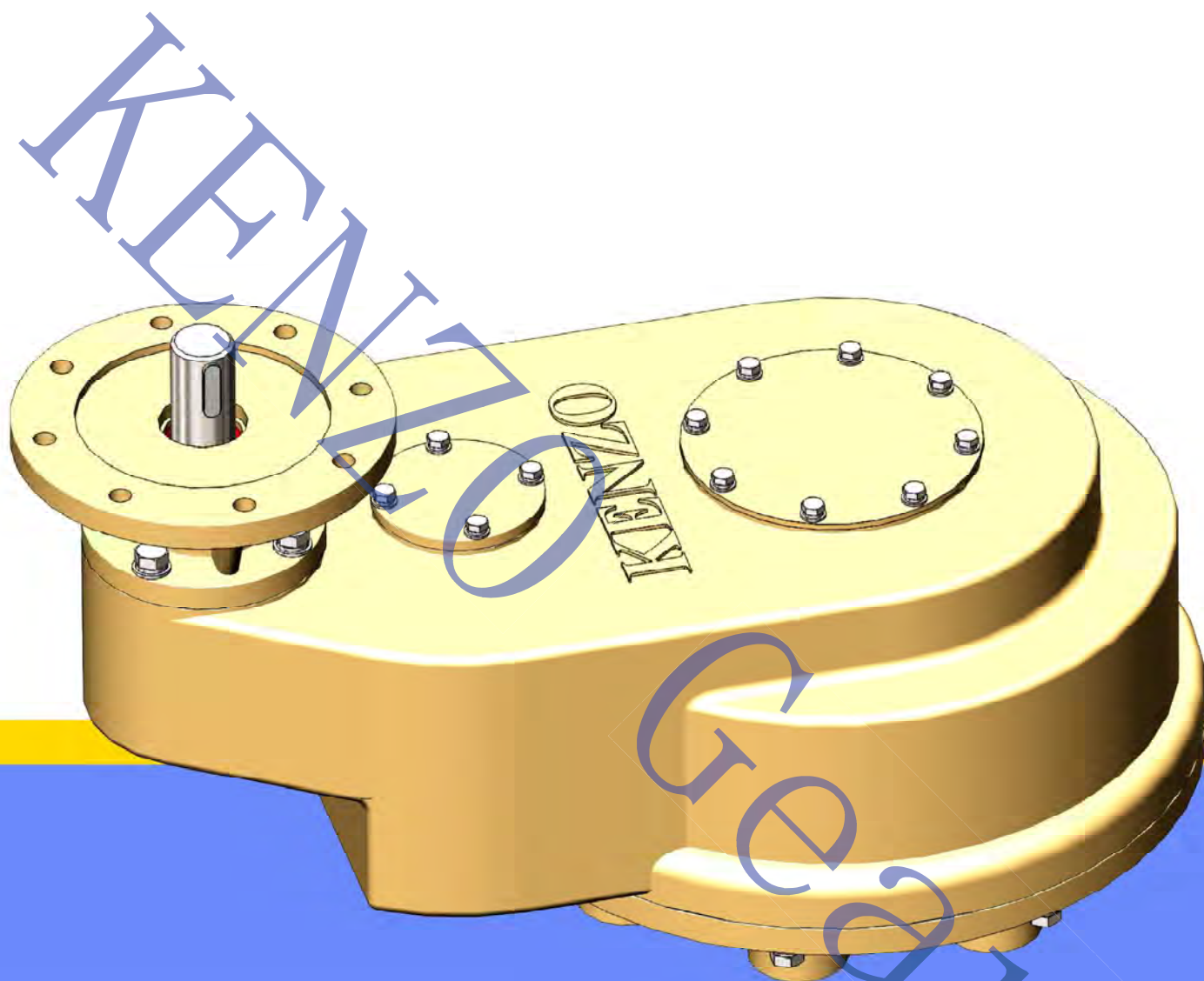




KENZO® Gears

QST Multi-turn Gearbox



Shanghai Kenzo Control Equipment Co., Ltd.

www.shqzkz.com



Since 1994

KENZO® Gears QST Multi-turn Gearbox

Introduction

The KENZO QST 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

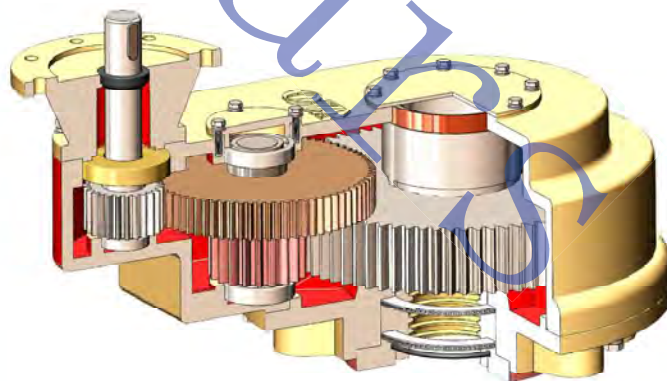
Ambient temperature:

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

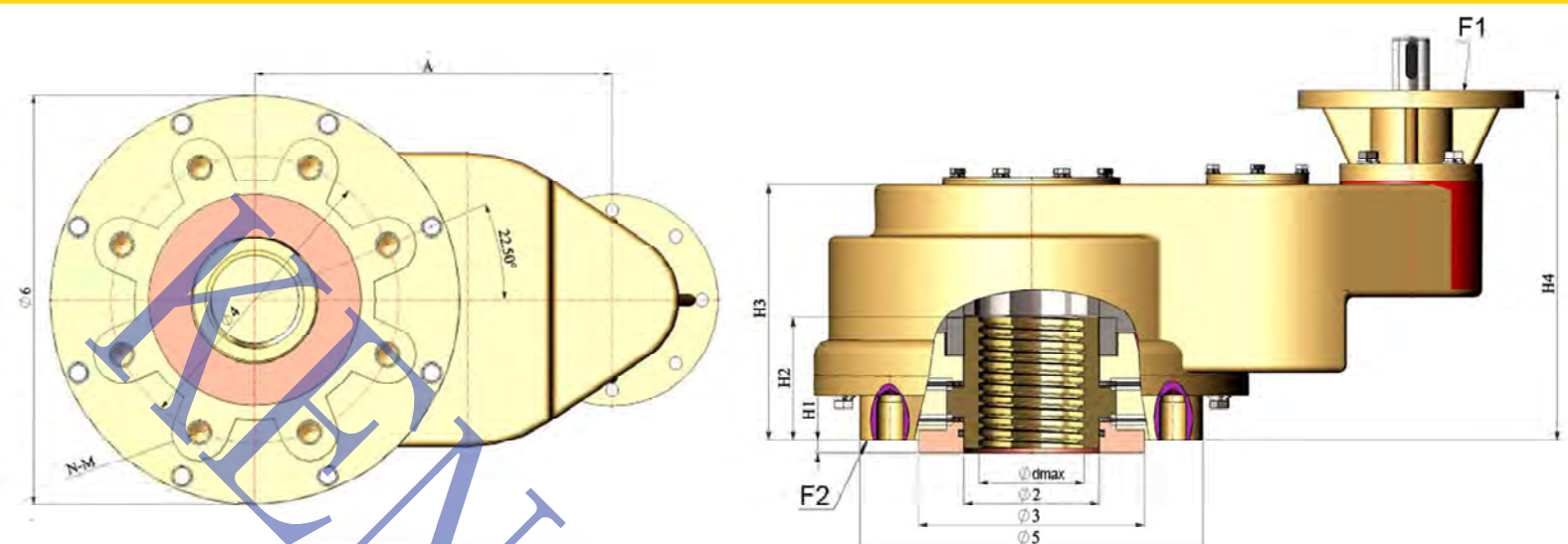
Enclosure Protection:

- IP67 (standard)
- IP68

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



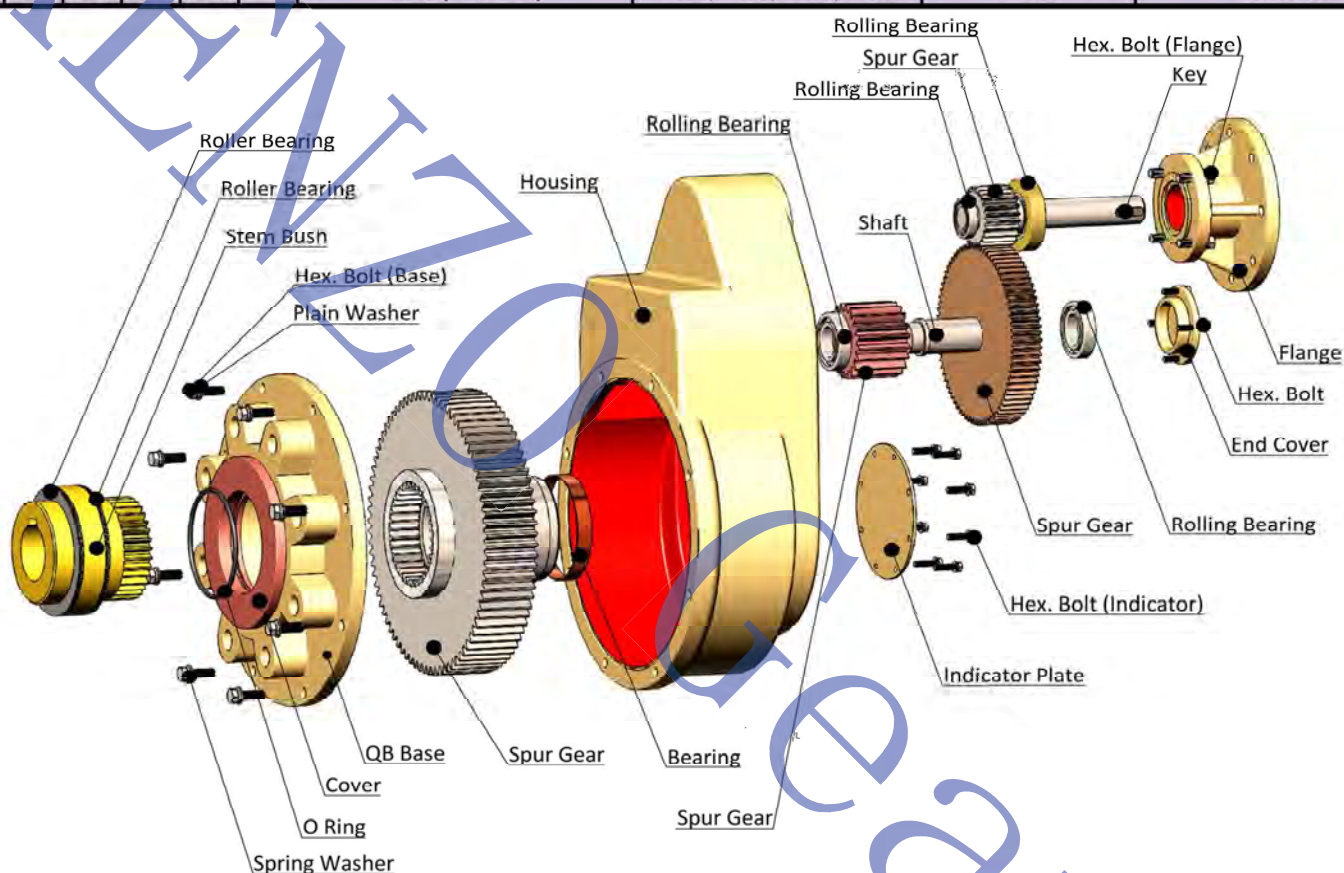
KENZO® Gears QST Dimensional View



Model	External Part					Input Part			Output Part							
	A	H2	H3	H4	Ø6	Input Flange	Input Shaft		H1	Ødmax	Ø2	Ø3	Ø5	Output Flange	P.C.D	
						F1	Ø	KEY						F2	Ø4	N-M-DP
QST14	230	64	138	190	220	F10	20	6×6	3	45	60	100	175	F14	140	4-M16-24
						F14	30	8×7								
						F16	30	8×7								
QST16	330	86	173	212	330	F10	20	6×6	3	65	80	130	215	F16	165	4-M20-30
						F14	30	8×7								
						F16	30	8×7								
QST25	390	103	207	270	384	F14	30	8×7	3	75	90	200	270	F25	254	8-M16-24
						F16	30	8×7								
						F25	30	8×7								
QST30	430	120	256	376	487	F14	30	8×7	3	80	110	230	348	F30	298	8-M20-30
						F16	40	12×8								
						F25	50	14×9								
QST35	429	152	310	413	480	F14	30	8×7	5	110	140	260	415	F35	356	8-M30-45
						F16	40	12×8								
						F25	50	14×9								
						F30	50	14×9								
QST40	504	174	361	476	578	F14	30	8×7	5	150	180	300	494	F40	406	8-M36-54
						F16	40	12×8								
						F25	50	14×9								
						F30	50	14×9								
QST48	570	190	376	491	646	F14	30	8×7	5	190	220	370	562	F48	483	12-M36-54
						F16	40	12×8								
						F25	50	14×9								
						F30	50	14×9								

UNIT: mm

Model	Gear Ratio					Max. Stem Acceptance	Input Flange	Output Flange	Max. Output Torque
									Nm
QST14	2	3	4	6		45(14×9)	F10/F14/F16	F14	750
QST16	2	3	4	6	8	65(18×11)	F10/F14/F16	F16	1500
QST25	2	3	4	6	8	75(20×12)	F14/F16/F25	F25	3000
QST30	6	8	10	12	15	80(22×14)	F14/F16/F25	F30	6000
QST35	6	8	10	12	15	110(28×16)	F14/F16/F25/F30	F35	15000
QST40	10	12	16	20	24	150(36×20)	F14/F16/F25/F30	F40	25000
QST48	12	16	20	24		190(45×25)	F14/F16/F25/F30	F48	50000



No.	Description	Material	BS	ASTM	Remark
1	Housing	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	Standard
2	Roller Bearing	Special Steel		ASTM A295-52100	
3	Spur Gear	Steel	BS970 817M40T	AISI/SAE 4340	
4	Bearing	Special Steel	GB-T 305-1998	ASTM A295-52100	
5	O Ring	Buna-N Rubber	NBR	NBR	
6	Cover	Cast Iron	BS1563 EN-GJL-450-10	ASTM A536 65-45-12	
7	Bronze Nut	Aluminium Bronze		B148-C95800	
8	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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