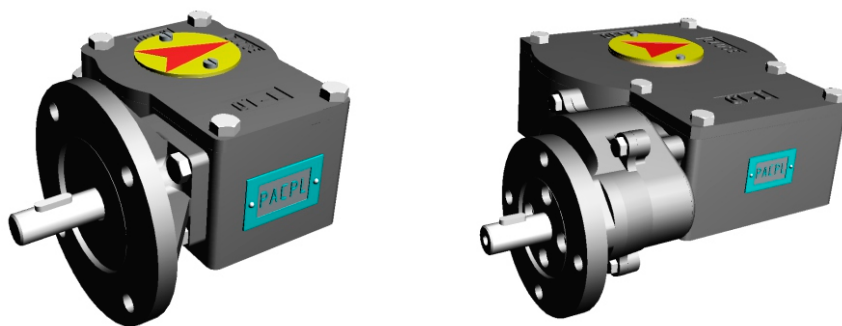




QUARTER TURN WORM GEAR BOXES (QTE- Series)

The 'QTE' series Quarter Turn Worm Gear Boxes are High Performance Gear Boxes operated electrically by Electric Actuators.

PRODUCT DESCRIPTION:

- ◆ High Performance Gear Boxes by Robust Construction
- ◆ Meeting QUALITY, EFFICIENCY and DELIVERY.
- ◆ 16 models with Torque range from 300 Nm to 62540 Nm.
- ◆ Output Travel - 0° to 90° (±5°)
- ◆ Self-locking Mechanism (Worm & Worm Wheel)
- ◆ Standard Version : Clockwise Input = Clockwise Output to Close
- ◆ IP-67 Enclosure
- ◆ Working Temperature -20°C to +120°C
- ◆ Graded Cast Iron Housing and Worm Wheel in Ductile Iron
- ◆ High Tensile Fasteners
- ◆ Semi-Glossy Black Epoxy Paint as Standard
- ◆ Gear Boxes lubricated with Multi-purpose Grease
- ◆ Gear Box Mounting as per ISO 5211 Std.

FEATURES:

- ◆ Housing, Cover and Worm Wheel material also available in Ductile Iron/Carbon Steel/Stainless Steel/Nickel Aluminium Bronze material or as required as optional.
- ◆ Worm and Shaft are also available in Stainless Steel, Aluminium Bronze (AB1/AB2) material as optional.
- ◆ Fasteners also available in Stainless Steel as optional.
- ◆ Grease Nipple, available as optional.
- ◆ IP-68 Enclosure available against requirement.
- ◆ Multi-Turn (360°) operational gear boxes also available.

TESTING FACILITIES:

- ◆ Test Rig to measure the Performance Factor (P.F)
- ◆ Endurance test Setup

PERFECT ACTUATORS & CONTROLS PVT. LTD.

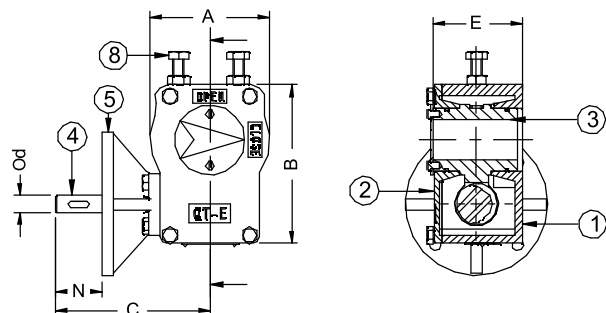
An ISO 9001 : 2015 Certified Company

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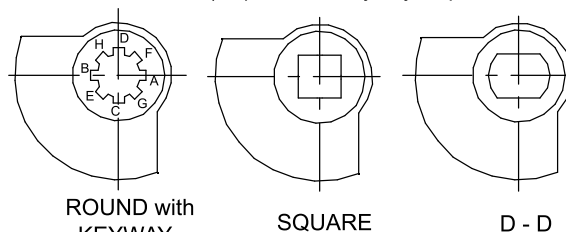
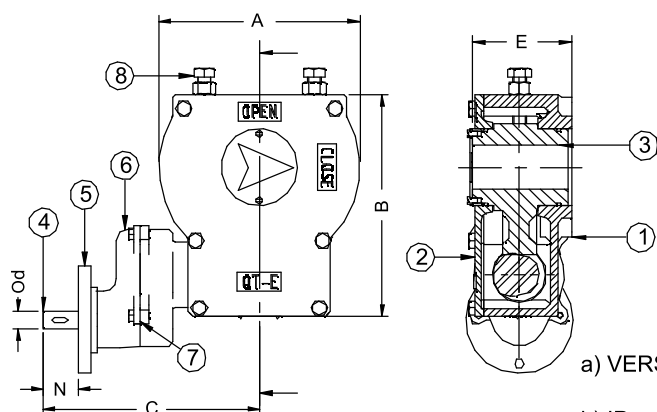
a) Standard Gear Box



Sl. No.	Description	Material *
1	Housing	CI FG-220
2	Cover	CI FG-220
3	Worm wheel	SGI 600/3
4	Input Shaft	EN-8
5	Electrical Flange	CI FG-220
6	SG Casing	CI FG-220
7	SG Gears	EN-8
8	Fasteners	8.8 Gr.
9	Grease	Multipurpose

- Note - a) *Material optional as required
b) Performance Factor achieved after 10 cycles.
c) All dimension are in mm & indicative
d) Input Shaft keyway as per IS:2048

b) Gear Box with Secondary Gear attachment



View Sean from Top at "Close" Position

- a) VERSION : Clockwise to 'CLOSE'
Anticlockwise to 'OPEN'
b) IP enclosure : IP-67

MODEL	RATIO	TURNS TO CLOSE 90 °	PERFORMANCE FACTOR u10%	MAXIMUM OUTPUT TORQUE	DIAMETER OF DRIVE BORE	GEAR BOX BASE AS PER ISO:5211		ELECTRIC ACTUATOR MOUNTING BASE AS PER ISO:5211	Aprx. Wgt.	A	B	C	Ød	E	N
				Nm	Max.	Min.	Max.		(kg)						
QT-35E	32 : 1	8	8	300	30	F07	F10	F10	7.0	96	127.5	135	16	74	42
QT-50E	40 : 1	10	10	420	36	F07	F10	F10	8.0	104	138			78	
QT-70E	50 : 1	12.5	12	600	36	F10	F12	F10	9.0	125	157			145	
QT-100E	40 : 1	10	10	850	45.5	F10	F12	F10	12.0	127	166	170	20	95	45
QT-150E	56 : 1	14	14	1250	45.5	F10	F14	F10	17	170	200	178		94	
QT-225E	52 : 1	13	12	2000	57	F12	F16	F10	22.0	212	227	192	24	108	45
QT-280E	58 : 1	14.5	14	2350	57	F12	F16	F10-F14	24.0	230	240		30	109	
QT-330E	60 : 1	15	16	4000	68	F12	F16	F10-F14	30.0	234	258			202	
QT-330SGE	150:1	37.5	30		68	F12	F16	F10	35		252	20	107	130	
QT-650SGE	264:1	66	60	6000	80	F16	F16	F10	47	280	280				268
					80	F25	F25	F10	50		320				
QT-850SGPE	318:1	79.5	75	7500	80	F16	F25	F10	65	330	315	317	24	127	35
QT-1100SGPE	336:1	84	80	9500	90	F25	F30	F10-F14	83	343	340	316		129	
QT-1500SGDE	504:1	126	100	13000	100	F25	F30	F10-F14	97	345	425	328		165	
QT-2400SGA1E	522:1	130.5	115	20000	115	F30	F35	F10-F14	138	430	518	484		159	
QT-3500SGBE	1056:1	264	210	29185	150	F30	F35	F10-F14	211	484	547	548	30	162	45
QT-5000SGCE	960:1	240	200	41695	160	F30	F40	F10-F14	400	548	928	642		174	
	1500:1	375	320		160	F30	F40	F10-F14						174	
QT7500SGCE	1325:1	331.25	310	62540	200	F40	F48	F10-F14	450	600	1060	675		185	
	1908:1	477	415		200	F40	F48	F10-F14						185	