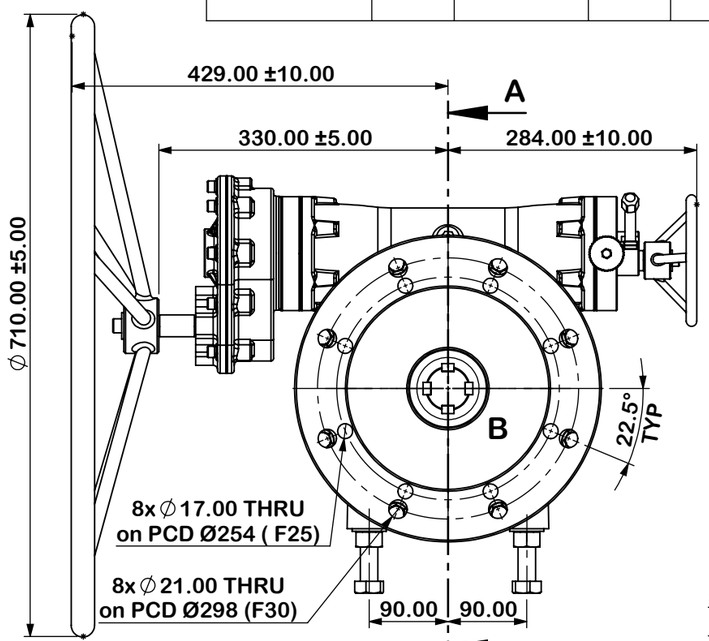
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

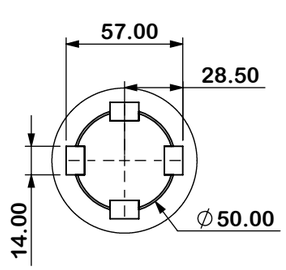
GENERAL TOLERANCE									
> 4000	2000-4000	1000-2000	315-1000	120-315	30-120	6-30	0.5-6	CLASS GRADE	±3
±2	±1.2	0.8	0.5	0.3	0.2	0.1	SECOND GRADE		

SL.NO	DESCRIPTION	MATERIAL / MAKE
15	BEARINGS	-
14	FASTNERS	H.T.8.8
13	O-RINGS,GASKETS	NBR,NON-ASBESTOS
12	REDUCTION UNIT	DUCTILE IRON
11	LOCKING UNIT	CARBON STEEL
10	HANDWHEEL	CARBON STEEL
9	DRIVE BUSH	CARBON STEEL
8	LH END COVER	CARBON STEEL
7	RH END COVER	CARBON STEEL
6	LH BUSH	CARBON STEEL
5	RH BUSH	CARBON STEEL
4	WORM SHAFT	ALLOY STEEL
3	WORM GEAR	DUCTILE IRON
2	TOP COVER	DUCTILE IRON
1	HOUSING	DUCTILE IRON

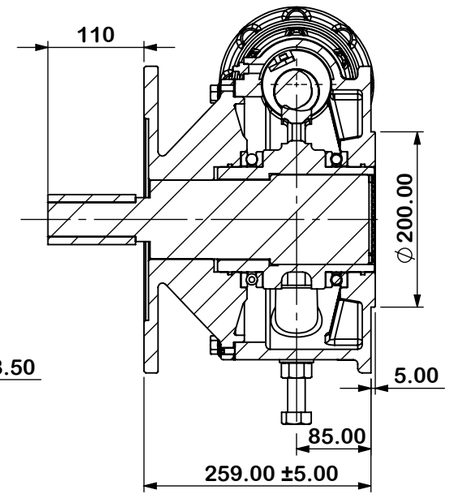
BILL OF MATERIAL

MODEL	GEAR RATIO	REDUCTION RATIO	TOTAL GEAR RATIO	MA ± 10%	MAXIMUM STEM ACCEPTANCE(MM)	VALVE MOUNTING (ISO 5211)		MAX. TORQUE OUTPUT		HAND WHEEL DIA	NO OF TURNS	WEIGHT (Kg)	DIRECTION
						STANDARD	OPTION	N.m	Ft.lbf				
ITG-900-1S-LH	62:1	3:1	186:1	51.8	Ø70(14x9)	F25	F30	8000	5900.50	∅710	46.5	115 kg	CCW-OPEN CW-CLOSE

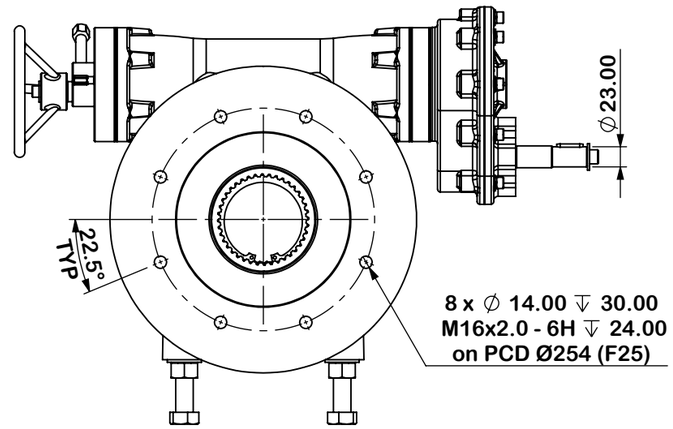


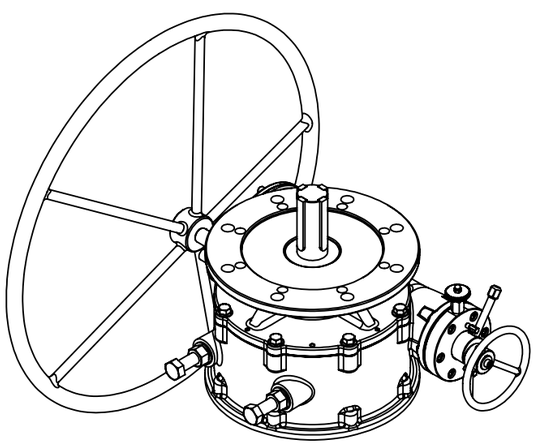


DETAIL B

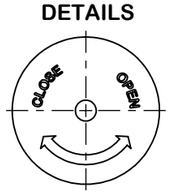


SECTION A-A





ROTATION PLATE DETAILS



CW-CLOSE
CCW-OPEN

F25	Ø254	M16	24	8
ISO MOUNTING	PCD	BOLT SIZE	TAP DEPTH	NO.OF.HOLES
ISO-5211- MOUNTING TABLE				

SPECIAL NOTE:
1.SELF-LOCKING WORM AND WORM SHAFT.
2.ENCLOSURE: IP65(IS 60529).
3.OUTPUT ROTATION: CCW TO OPEN.
4.KEYWAY: IS 2048.
5.BACKLASH: MAX 10°–15° HANDWHEEL ROTATION.

NOTE:
1.ALL DIMENSIONS ARE IN MM.
2.PAINTING SPECIFICATIONS: (C4-HIGH)
a) PRIMER COAT: BARRIER 80 X-(50 MICRON),
b) MID COAT: PENGUARD MIDCOAT M20 GREY (100 MICRONS),
c) FINAL COAT: HARDTOP HP (60 MICRONS),
d)NET DFT : 210 MICRONS (MININUM)
e)RAL SHADE - RAL - 9005 - JET BLACK MATTE FINISH
3.OPITION-2 AS PER CUSTOMER REQURIMENT.

MODEL :- ITG-900-1S-LH				SUSIN		
MATERIAL :- DUCTILE IRON		WEIGHT :- REFER TABLE				
GRADE :- A536-65-45-12	NAME	SIGN	DATE	TITLE:-	ITG SERIES	PART NAME :- ITG-900-1S-LH ASSEMBLY
DRAWN	VENMANI		25/02/2026	QUANTITY :- 01 NO		PART NUMBER:- XXXX
CHECKED	VENKAT		25/02/2026	SCALE		DWG NO:- SMA-ITG-900-1S-LH-GAD
APPROVED	VENKAT		25/02/2026	NTS		DRG.SHEET:- 1 OF 1 REVISION:- R - A

ALL DIMENSIONS IN MM UNDER OTHERWISE SPECIFIED
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FILE LOCATION: \\192.168.1.67\engineering - gears\3.ITG Series\ITG-900\ITG-900\STD\"