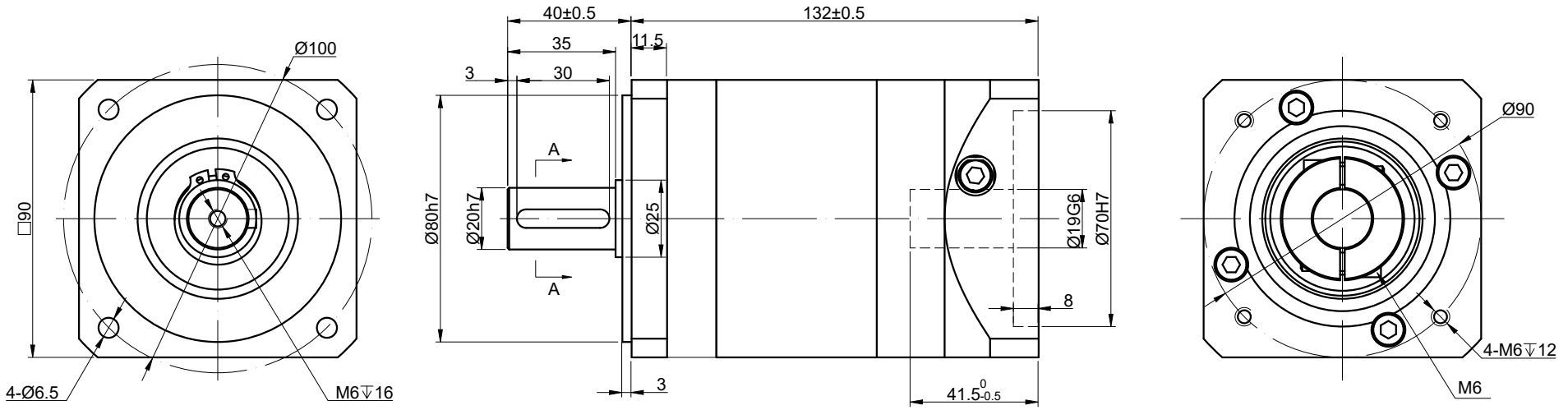
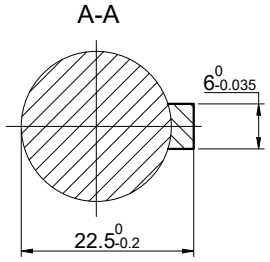
MODEL NO.	TG90-G50	DWG NO.	A2131

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	LJ	8.4.2025





1:2

SPECIFICATION / CONNECTION	VALUE
GEAR RATIO	50
EFFICIENCY	94%
BACKLASH@NO-LOAD(arcmin)	<=15
MAX.PERMISSIBLE TORQUE(Nm)[lb-in]	100.00[885.07]
MOMENT PERMISSIBLE TORQUE(Nm)[lb-in]	200.00[1770.15]
SHAFT MAXIMUM AXIAL LOAD(N)	800
SHAFT MAXIMUM RADIAL LOAD(N)	1000
GEARBOX MATCHING MOTOR'S INPUT SHAFT LENGTH (mm)	24~41
RATED INPUT SPEED(RPM)	3000
MAX. INPUT SPEED(RPM)	6000
NOISE(dB)	<=55
WATERPROOF RATING	IP54
LIFE(h)	20000
WORKING TEMPERATURE	-20°C~150°C[-4°F~302°F]

DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES AS BELOW:

DECIMALS		ANGLES
X	±0.5	±2°
X.X	±0.25	
X.XX	±0.13	

THIRD ANGLE PROJECTION

	SIGNATURE	DATE
DRN	LJ	8.4.2025
APVD	MYX	8.4.2025

STEPPERONLINE®

GEARBOX

TG90-G50

REV.	1	SCALE	1:2	DWG NO.	A2131