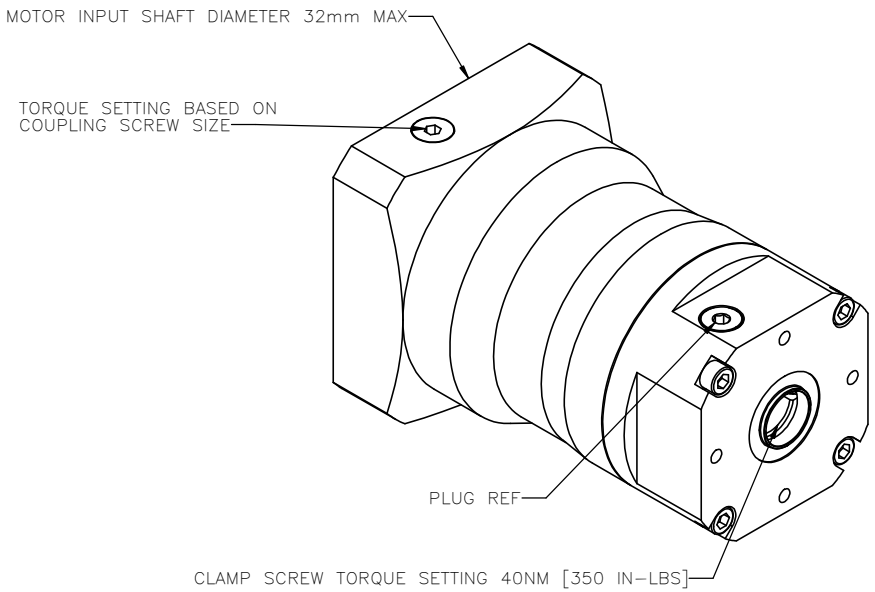
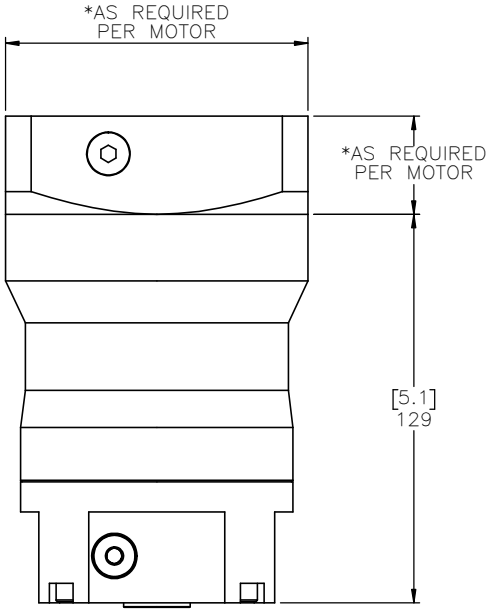
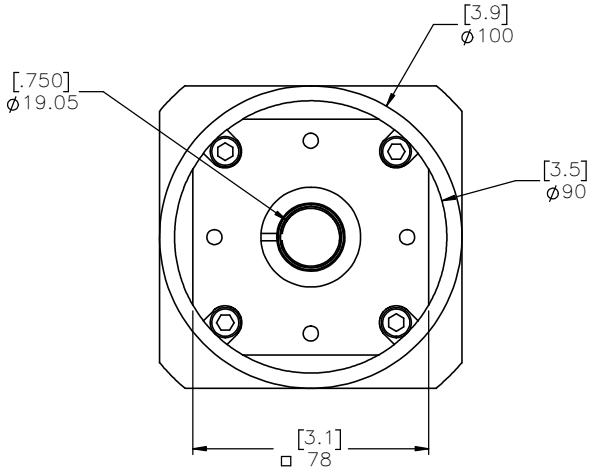
REVISION HISTORY			
REV.	DESCRIPTION	DATE	REVISED BY:

MPG–084–XXX

SINGLE STAGE HOLLOW OUTPUT PLANETARY GEARBOX
0.750" BORE
(XXX = GEARBOX RATIO)







NOTES:
1.) MOTOR **MANUFACTURER AND MODEL NUMBER** REQUIRED TO PROPERLY SIZE THE MOTOR ADAPTOR PLATE. MAXIMUM MOTOR INPUT SHAFT DIAMETER IS 32mm.
2.) ADAPTOR PLATE SIZE WILL VARY BASED ON MOTOR SPECIFIED. OVERALL DIMENSIONS AND PLATE THICKNESS WILL BE DIFFERENT FROM VISUAL REPRESENTATION ABOVE
3.) MOTOR FLANGE BOLT CIRCLE PATTERN AND HOLE DIAMETER ALONG WITH MOTOR SHAFT DIAMETER AND LENGTH WILL DETERMINE THE FINAL SIZE OF THE ADAPTOR PLATE
4.) MACRON DYNAMICS, INC. MAKES EVERY EFFORT TO MATCH MOTOR DIMENSIONS TO MOTOR MANUFACTURER'S SPECIFICATIONS. THESE MANUFACTURER'S SPECIFICATIONS CAN CHANGE FROM TIME TO TIME WITHOUT NOTICE. MACRON IS NOT RESPONSIBLE FOR ADAPTORS THAT DO NOT MATE WITH THE MOTORS IF REFERENCE DIMENSIONS HAVE CHANGED OR IF THE USER CHANGES MOTOR MODELS AFTER PURCHASE

GEARBOX RATIO	3:1	10:1	5:1	7:1
MPG PART NUMBER SUFFIX	003	010	005	007
NOMINAL OUTPUT TORQUE – Nm (lb–in)	45 (398)	60 (531)	56 (496)	60 (531)
MAXIMUM ACCELERATION TORQUE – Nm (lb–in)	90 (797)	92 (814)	109 (965)	100 (885)
NOMINAL INPUT SPEED – RPM	3000	3600	3400	3600
MAXIMUM INPUT SPEED – RPM	5500	6000	6000	6000
STANDARD OUTPUT BACKLASH – arcmin	<8	<8	<8	<8
WEIGHT – kg (lb)	3.8 (8.4)	3.8 (8.4)	3.8 (8.4)	3.8 (8.4)
MASS MOMENT OF INERTIA (STD INPUT)– kg/cm2	1.4	.87	1.0	.91
MASS MOMENT OF INERTIA (LARGE INPUT >24mm MOTOR SHAFT)– kg/cm2	3.0	2.5	2.6	2.5
EFFICIENCY AT LOAD	97%	97%	97%	97%

MACRON DYNAMICS INC

DRAWN BY: TH	DATE: 9/18/2018	MATERIAL:
CHECKED BY: – –	DATE: DD/MM/YYYY	
LAST SAVED BY: TH	DATE: 6/21/2024	FINISH:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES UNLESS NOTED OTHERWISE: .X ± .762, .XX ± .254, .XXX ± .127, ANG ± 0°30'

SURFACE FINISH 63

BREAK ALL SHARP EDGES
DIMENSIONAL LIMITS APPLY AFTER FINISHING

THIRD ANGLE PROJECTION

TITLE: MACRON 084 GEARBOX

SCALE: 1:1 | SHEET SIZE: C

SHEET: 1 OF 1 | PART NUMBER: MPG–084–XXXX | REV