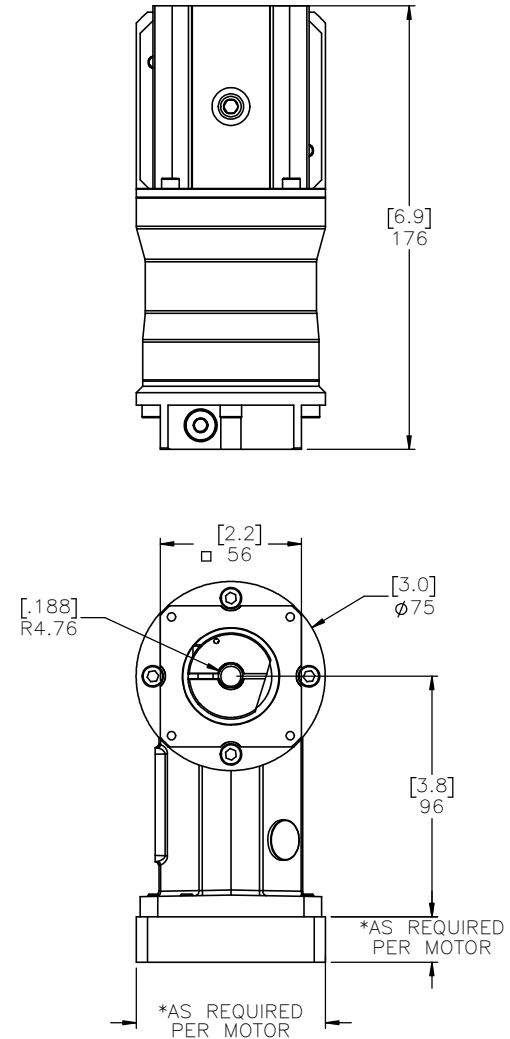
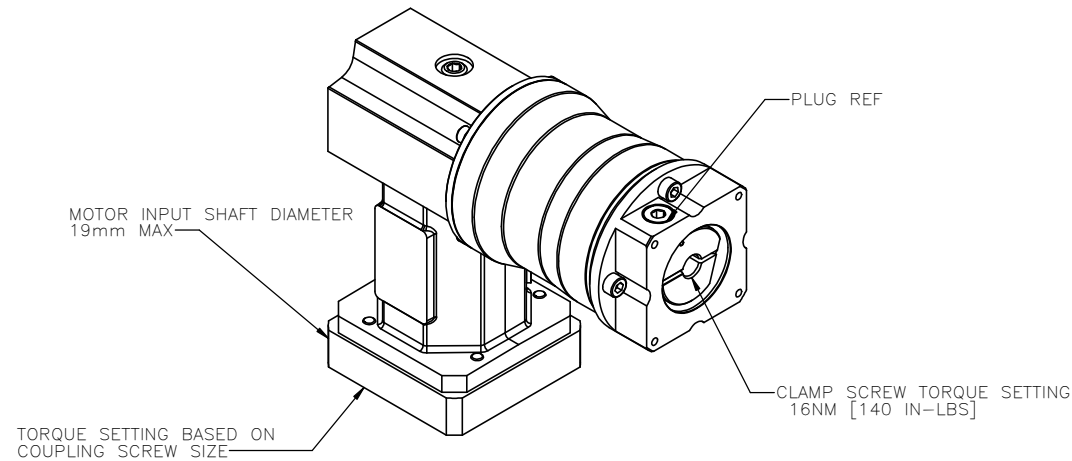


REVISION HISTORY			
REV.	DESCRIPTION	DATE	REVISED BY:

iRS-062-XXX
SINGLE STAGE HOLLOW OUTPUT RIGHT ANGLE GEARBOX
0.375" 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 19mm.
- 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.) IPS MAKES EVERY EFFORT TO MATCH MOTOR DIMENSIONS TO MOTOR MANUFACTURER'S SPECIFICATIONS. THESE MANUFACTURER'S SPECIFICATIONS CAN CHANGE FROM TIME TO TIME WITHOUT NOTICE. IPS IS NOT RESPONSIBLE FOR ADAPTOR THAT DO NOT MATE WITH THE MOTORS IF REFERENCE DIMENSIONS HAVE CHANGED OR IF THE USER CHANGES MOTOR MODELS AFTER PURCHASE
- 5.) TIGHTENING THE INPUT AND OUTPUT SCREW CLAMPS TO RECOMMENDED TORQUE IS CRITICAL TO SYSTEM FUNCTION. SHOULD OUTPUT CLAMP SLIP AFTER PROPER TIGHTENING, IT IS POSSIBLE THE MOTOR TORQUE IS EXCEEDING THE GEARBOX SPECIFICATIONS.

GEARBOX RATIO	3:1	10:1	5:1	7:1
iPG PART NUMBER SUFFIX	003	010	005	007
NOMINAL OUTPUT TORQUE – Nm (lb-in)	21 (186)	26 (230)	25 (222)	26 (230)
MAXIMUM ACCELERATION TORQUE – Nm (lb-in)	38 (336)	48 (425)	53 (470)	50 (443)
NOMINAL INPUT SPEED – RPM	3000	3500	3000	3000
MAXIMUM INPUT SPEED – RPM	4500	5500	4500	4500
STANDARD OUTPUT BACKLASH – arcmin	<11.5	<10	<10	<9.5
WEIGHT – kg (lb)	4.57 (9.9)	4.57 (9.9)	4.57 (9.9)	4.57 (9.9)
MASS MOMENT OF INERTIA – kg/cm2	1.3	0.82	1.1	1.0
EFFICIENCY AT LOAD	96%	96%	96%	96%



THIS DRAWING IS THE PROPERTY OF IPS.
ANY REPRODUCTIONS SHALL BE FOR QUOTATION,
MANUFACTURING, OR PURCHASING PURPOSES ONLY.
RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT
CONSTITUTE LICENSING IN ANY WAY. INFORMATION
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL.

DRAWN BY: —	DATE: DD/MM/YYYY	MATERIAL:	TITLE: IPS RIGHT ANGLE GEARBOX
CHECKED BY: —	DATE: DD/MM/YYYY		
LAST SAVED BY: —	DATE: DD/MM/YYYY		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS. TOLERANCES, UNLESS NOTED: OTHERWISE: .X ± .762 .XX ± .254 .XXX ± .127 ANG ± 0°30'		FINISH:	
SURFACE FINISH <input checked="" type="checkbox"/>		BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING	
THIRD ANGLE PROJECTION		SHEET 1 OF 1	PART NUMBER iRS-062-XXX
		SCALE 1:1	SHEET SIZE C