

WAM Tool Plate Features:

- Allows attachment of end-user's equipment to WAM using standardized attachment interface.
- Compliant with ISO 9409-1:2004 (Manipulating industrial robots - Mechanical interfaces). Designation is ISO 9409-1-63-4-M6
- M3 dowel-pin hole and slot are compatible with Barrett WAM elbow, outer link, and BarrettHand.
- Provides clearance for WAM elbow D-SUB connector. Top of plate is at correct height for mating D-SUB connector.

Mass Properties

Mass: 36.49 g

Center of mass: (mm)

X = -0.036
Y = 1.988
Z = -3.259

Principal axes of inertia and principal moments of inertia: (g*mm²)

Taken at the center of mass.

I_x = (1, 2.238e-3, 5.888e-5) P_x = 2.368e4
I_y = (-2.238e-3, 1, -4.215e-3) P_y = 2.547e4
I_z = (-6.831e-5, 4.215e-3, 1) P_z = 4.869e4

Moments of inertia: (g*mm²)

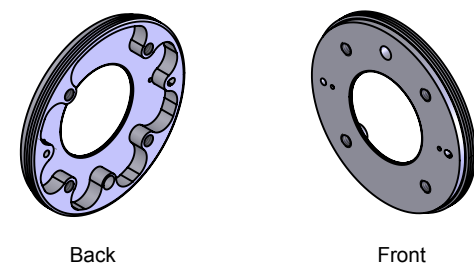
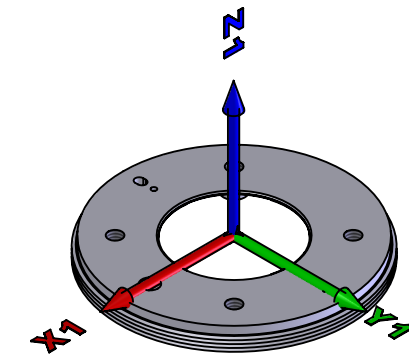
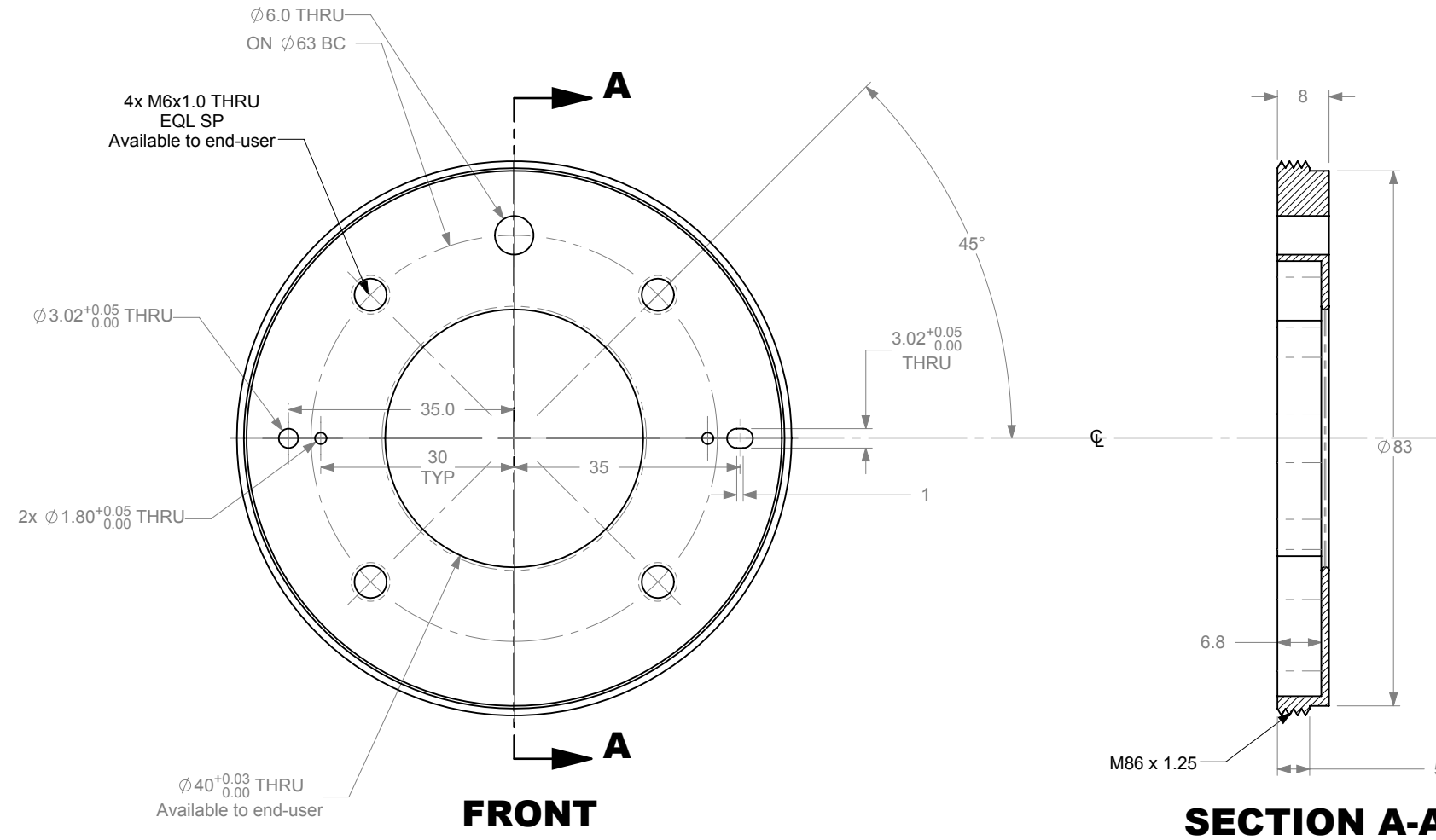
Taken at the center of mass and aligned with the output coordinate system.

L_{xx} = 2.37e4 L_{xy} = 4.03 L_{xz} = 1.69
L_{yx} = 4.03 L_{yy} = 2.55e4 L_{yz} = -97.85
L_{zx} = 1.69 L_{zy} = -97.85 L_{zz} = 4.87e4

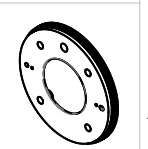
Moments of inertia: (g*mm²)

Taken at the output coordinate system.

I_{xx} = 2.42 I_{xy} = 1.42 I_{xz} = 5.96
I_{yx} = 1.42 I_{yy} = 2.59e4 I_{yz} = -334.3
I_{zx} = 5.96 I_{zy} = -334.3 I_{zz} = 4.88e4



When mounting plate to WAM, ensure that smooth FRONT side faces OUT, and that locating pins are securely engaged.



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Note: All dimensions in mm

WAM Arm-Parts

Drawn	AJ	Sep 7, 2012
Checked	JL	Jul 17, 2013

Size	B
Scale	1:1

PN **B2531**

WAM Tool Plate

REV **AI.00**

Mass **36.49 g** Sheet 1 of 1