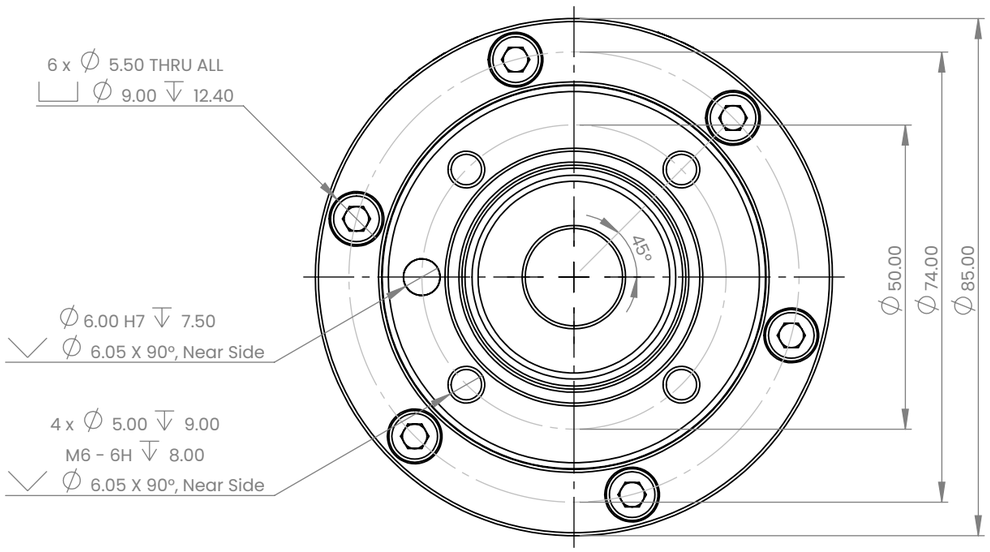
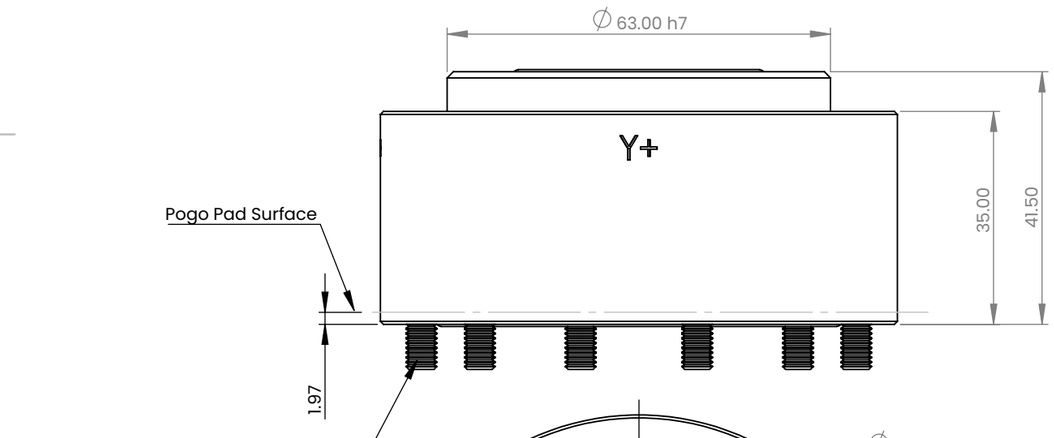
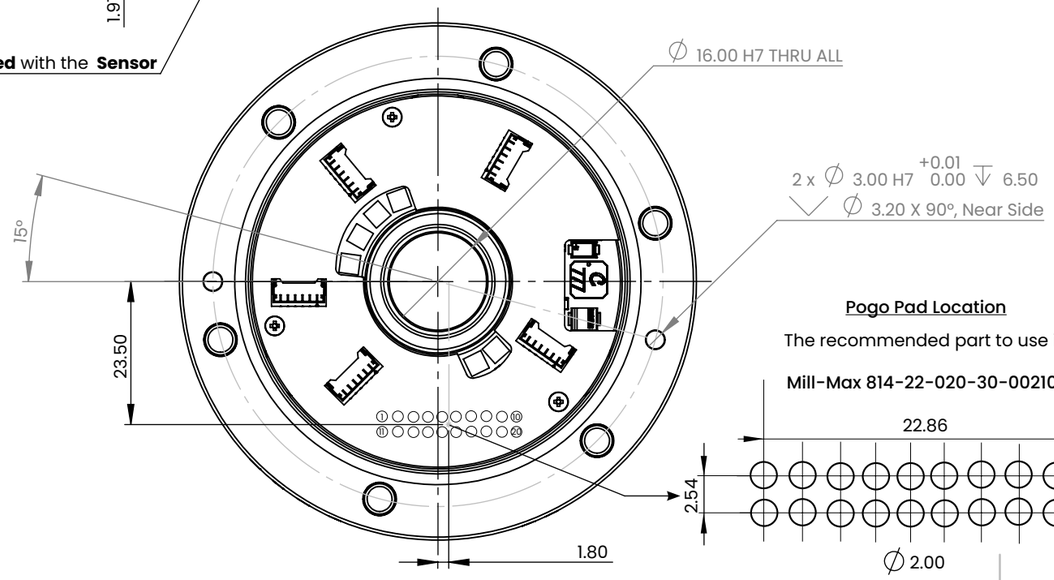
Product Drawing

Dimensions





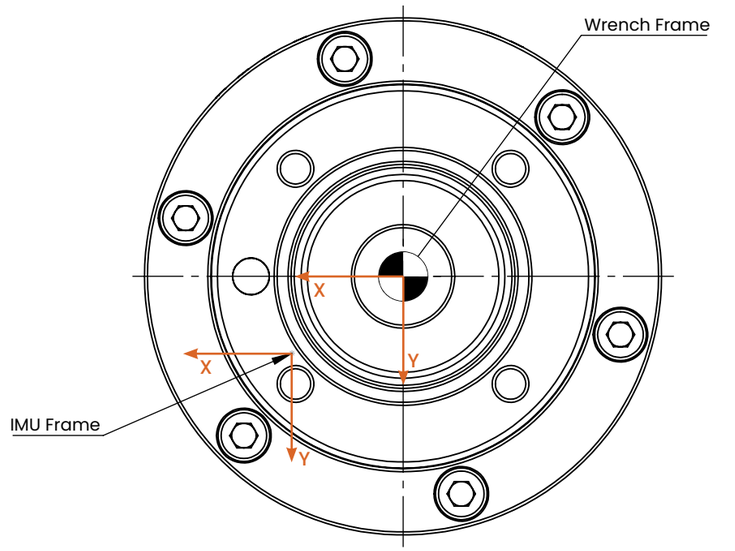


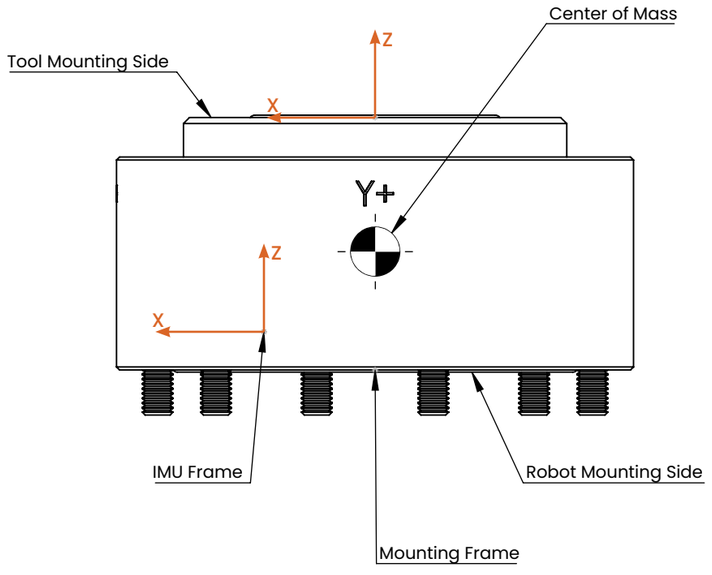
Pogo Pad Location

The recommended part to use is:

Mill-Max 814-22-020-30-002101.

Cordinate System





Mass properties of PixONE T-60 ASM
Configuration: BFT-MH1-XXX-BD
Coordinate system: MOUNTING FRAME

Mass = 465.05 grams

Volume = 160160.55 cubic millimeters

Surface area = 84447.42 square millimeters

Center of mass: (millimeters)
X = -0.03
Y = -0.03
Z = 19.67

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
Ix = (-0.21, -0.98, 0.00) Px = 288561.01
Iy = (0.98, -0.21, 0.00) Py = 289058.66
Iz = (0.00, 0.00, 1.00) Pz = 465309.28

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
Lxx = 289037.92 Lxy = 100.47 Lxz = -295.78
Lyx = 100.47 Lyy = 288582.27 Lyz = -65.57
Lzx = -295.78 Lzy = -65.57 Lzz = 465308.76

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
Ixx = 468941.99 Ixy = 100.86 Ixz = -553.12
Iyx = 100.86 Iyy = 468486.29 Iyz = -338.42
Izx = -553.12 Izy = -338.42 Izz = 465309.54

IMU Location from Wrench Frame	
X	18.27 mm
Y	12.60 mm
Z	- 35.30 mm

IMU Location from Mounting Frame	
X	18.27 mm
Y	12.60 mm
Z	6.27 mm

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE Ra: **1.6**
GENERAL TOLERANCES:
DIN ISO 2768 **(fH)**
BREAK SHARP EDGES

FINISH:

BOTA systems

	NAME	DATE
DRAWN	JC	26/03/2025
CHECKED		
APPROVED		

MODEL DESCRIPTION: PixONE T60 Product Drawing

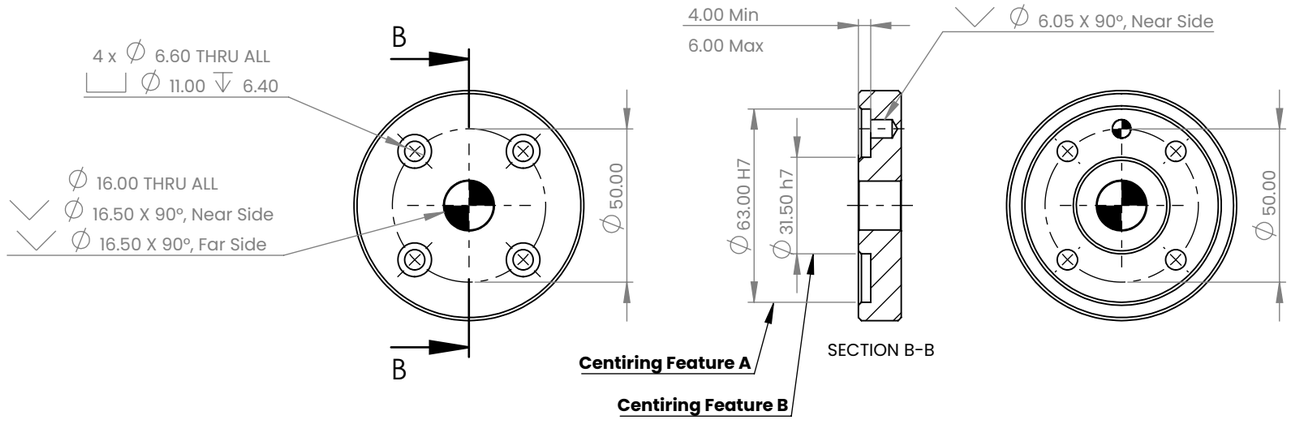
MODEL NUMBER	DRAWING NUMBER	MODEL REVISION	DRAWING REVISION
BFT-MH1-MLP-BD	BFT-MH1-MLP-BD	**A**	**A**

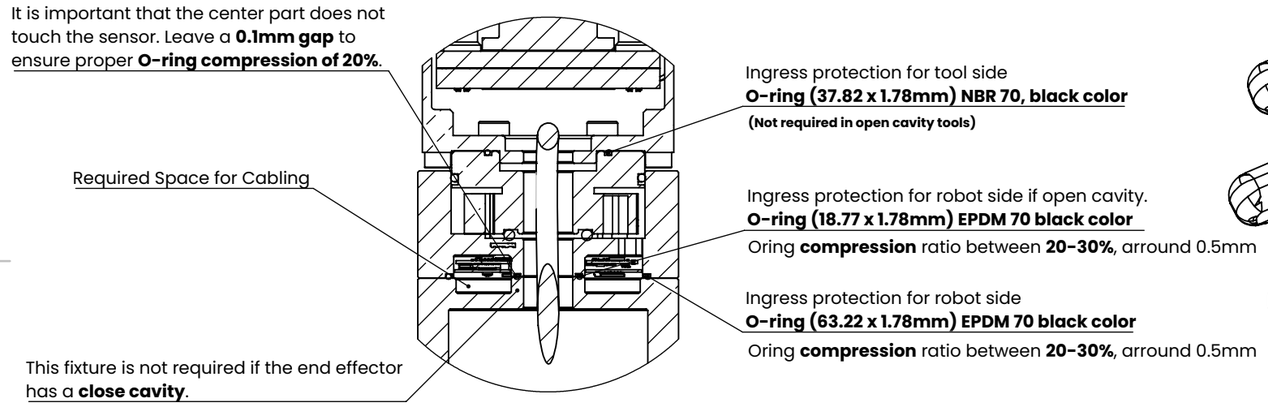
WEIGHT: 465.05 grams | MATERIAL: | SCALE: 1:2 | PAGE: 1 / 3 | **A3**

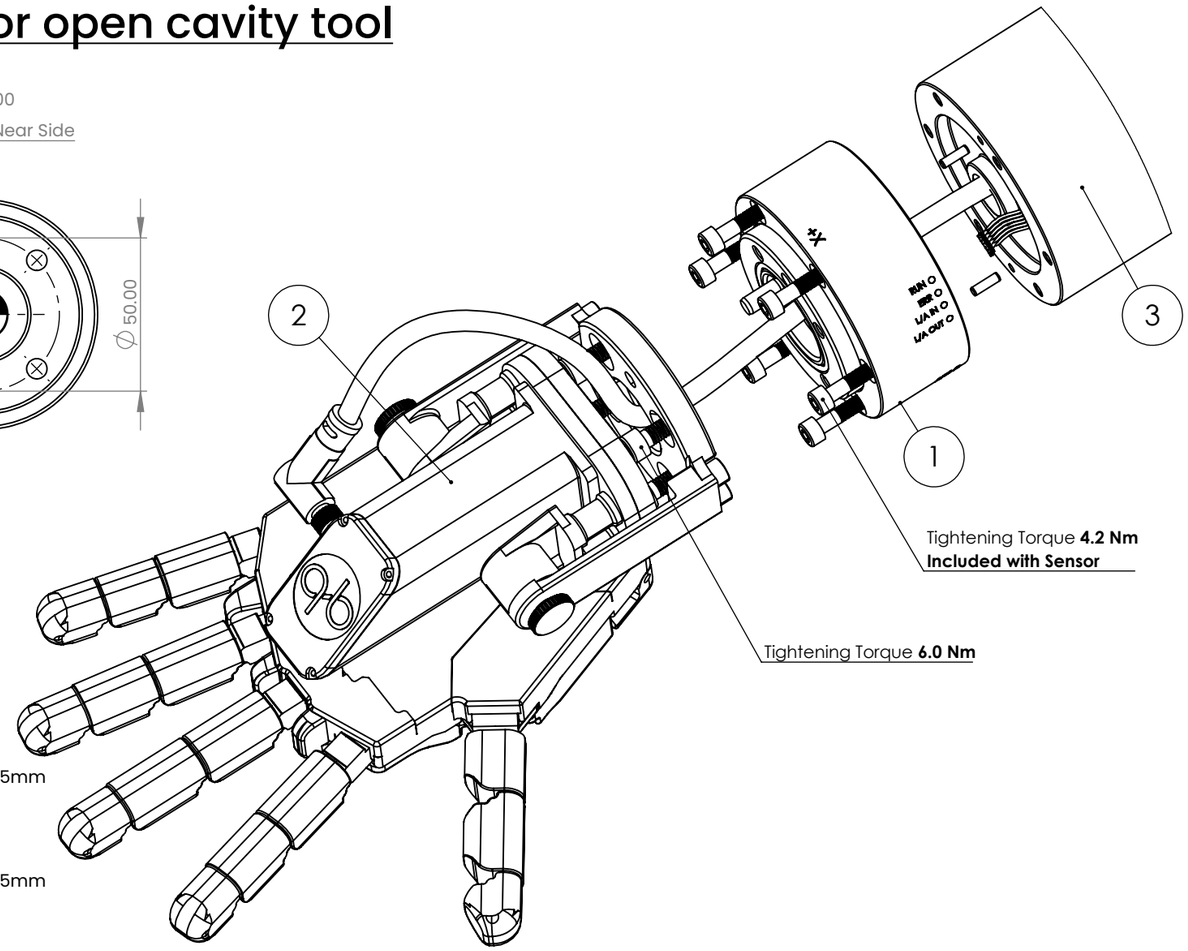
Hagenholzstrasse 85, 8050, Zurich, Switzerland
Email: info@botasys.com
Website: www.botasys.com

Example design for open cavity tool

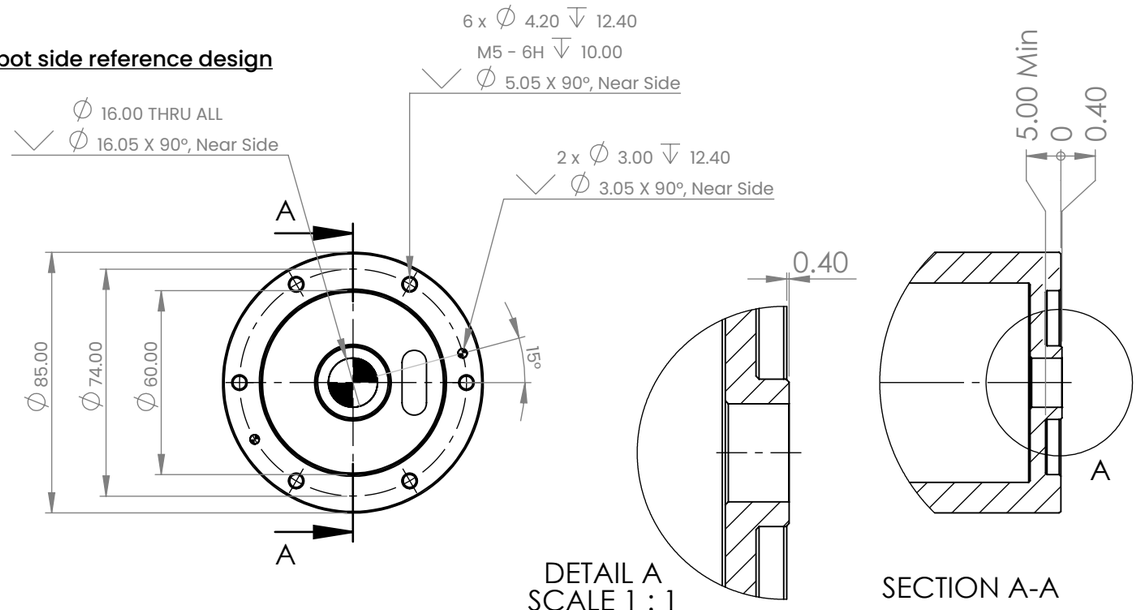
Tool side flange reference design







Robot side reference design



ITEM NO.	PART NUMBER	DESCRIPTION	INCL	QTY.
1	BFT-MH1-MLP-BD	PixONE T60 6-axis F/T sensor with Serial, Ethernet, EtherCAT, USB interface	X	1
2	PIX-REF-DESG-TOOL	Tool reference design		1
3	PIX-REF-DESG-ROBOT	Robot reference design		1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE Ra: **1.6**
GENERAL TOLERANCES:
DIN ISO 2768 **(fH)**
BREAK SHARP EDGES

FINISH:

BOTA systems

	NAME	DATE
DRAWN	JC	26/03/2025
CHECKED		
APPROVED		

MODEL DESCRIPTION: PixONE T60 Product Drawing

MODEL NUMBER	DRAWING NUMBER	MODEL REVISION	DRAWING REVISION
BFT-MH1-MLP-BD	BFT-MH1-MLP-BD	**A**	**A**

WEIGHT: 465.05 grams | MATERIAL: - | SCALE: 1:2 | PAGE: 2 / 3 | **A3**

Hagenholzstrasse 85, 8050, Zurich, Switzerland
Email: info@botasys.com
Website: www.botasys.com