

MODEL TC-60

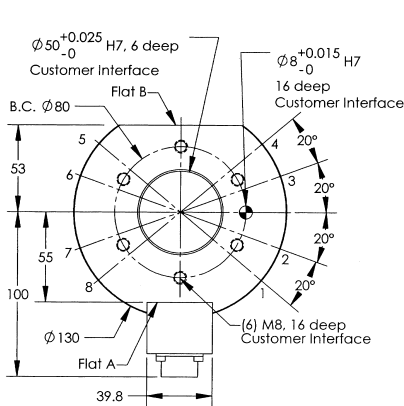
Payload Capacity—kg/lbs. 75/165
 Static Moment X & Y Resistance†—Nm/lb-in 197/1740
 Static Moment Z Resistance†—Nm/lb-in 294/2600
 Positional Repeatability X, Y & Z—mm/in 0.015/0.0006
 Weight when Coupled—kg/lb 2.06/4.5
 Locking Force @ 80 psi (5.5 bar)—N/lb 7387/1660

Diameter when Coupled—mm/in 130/5.1
 Height when Coupled—mm/in 50/1.9
 Pneumatic Port Type—Pass Through (8) 1/8 NPT
 Pneumatic Port—“Lock” & “Unlock” 1/8 NPT
 Max. Allowable Distance Between
 Plates before Locking—mm/in 5.0/0.20

†Can handle a dynamic moment 3 times higher than the static moment capacity. Moment tests show failure point at 12 times static moment specifications.

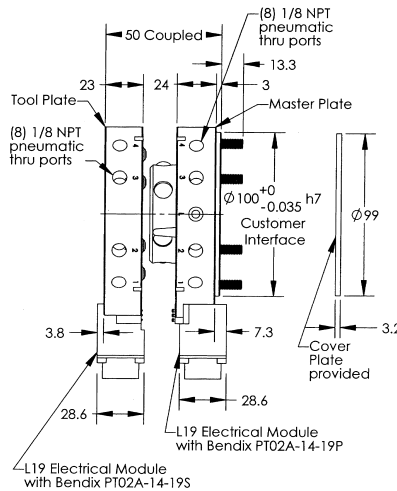
Options

Option	# Pins	Electrical Rating	Description	Comments
D15	15	3A/50V	D-sub connector	Gold plated contact pins
K19	19	3A/50V	MS miniature quick-disconnect connector	Sealed, no-touch master pins
K26	26	3A/50V	MS miniature quick-disconnect connector	Sealed, no-touch master pins
P18	—	—	Additional (4) 1/8 NPT pneumatic ports	Provides a total of 12 pneumatic ports
SIP	—	—	Lock/unlock sensing	See page 19

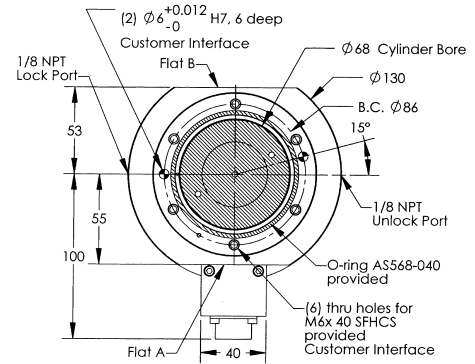


Bottom View Tool Plate

Interface Advice:
 The tool interface plate should be designed to use M8 screws, $\phi 8$ dowel pin and $\phi 50$ recess.



Side View



Top View Master Plate Without Cover Plate

Interface Advice:
 The robot interface plate should be designed to use M6 screws, $\phi 6$ dowel pin and $\phi 100$ boss. Reference Note 3.

Warning:
 Do not apply lock air pressure without master interface plate properly attached; otherwise, damage may occur to cover plate and o-ring.

- Notes:
- Optional electrical module shown; consult catalog for other options.
 - Mounting hardware is provided; cover plate, o-ring and master plate screws.
 - Cover plate is not necessary if robot interface plate provides sealing. The recommended interface plate bore depth without a cover plate is 2.5mm, with a cover plate is 5.6mm.
 - Orientation marks are provided to assist in robot teaching.
 - Misalignments allowed when coupling; consult specifications.
 - DXF, DWG and IGES images available upon request.

ALL DIMENSIONS ARE IN MM