

MODEL TC-150

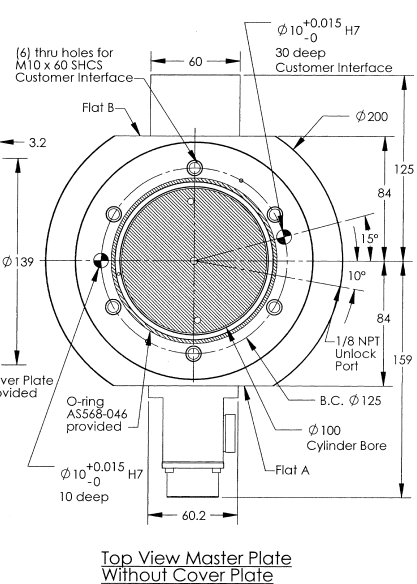
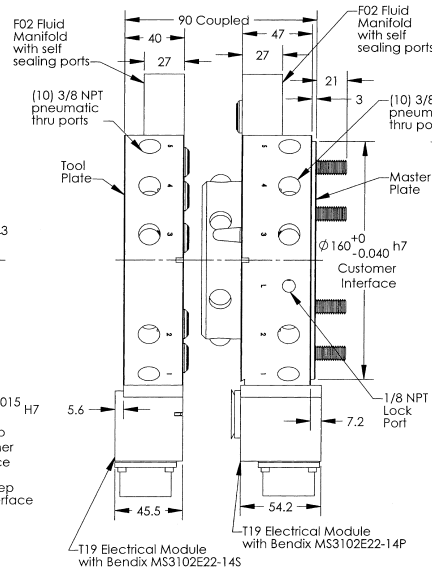
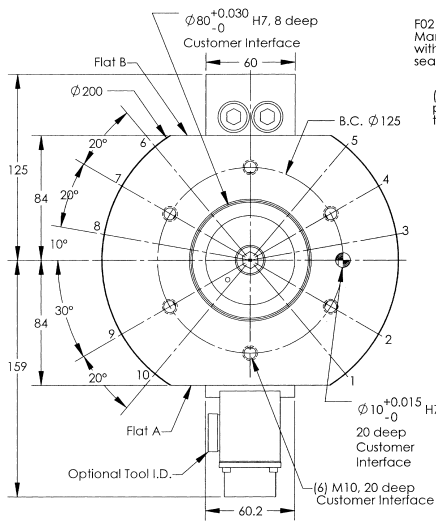
Payload Capacity—kg/lbs. 200/440
 Static Moment X and Y Resistance†—Nm/lb-in 1175/10400
 Static Moment Z Resistance†—Nm/lb-in 1017/9000
 Positional Repeatability X, Y & Z—mm/in 0.015/0.0006
 Weight when Coupled—kg/lb 8.7/19.1
 Locking Force @ 80 psi (5.5 bar)—N/lb 16109/3620

Diameter when Coupled—mm/in. 200/7.9
 Height when Coupled—mm/in. 90/3.5
 Pneumatic Port Type—Pass Through (10) 3/8 NPT
 Pneumatic Port—“Lock” & “Unlock” 1/8 NPT
 Max. Allowable Distance Between
 Plates before Locking—mm/in 7.0/0.28

†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
MT8	8	20A/500V	MS cylindrical, threaded connector	Sealed, no-touch master pins
S19/S26	19/26	5A/250V	MS miniature quick-disconnect connector	Fluid resistant, untouchable master pins
R19/R26	19/26	5A/250V	MS miniature quick-disconnect connector	Fluid resistant, untouchable master pins
J16	16	5A/250V	MS miniature quick-disconnect connector	Serrated rhodium-plated contact pins
T19	19	5A/250V	MS cylindrical, threaded connector	Fluid resistant, untouchable master pins
F02/F04	—	—	(2) or (4) 3/8 G/NPT self-sealing ports	For fluid or pneumatic pass-through
P14	—	—	Additional (2) 1/4 NPT pneumatic ports	Provides a total of 12 pneumatic ports
P18	—	—	Additional (4) 1/8 NPT pneumatic ports	Provides a total of 14 pneumatic ports
P38	—	—	Additional (4) 3/8 NPT pneumatic ports	Provides a total of 14 pneumatic ports
V34	—	—	3/4 G vacuum port	Vacuum only
SIP	—	—	Lock/unlock sensing	See page 19



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

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