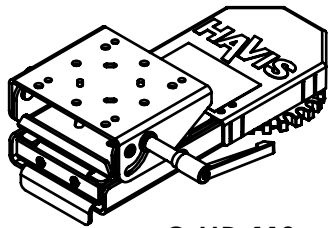
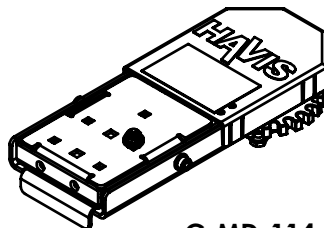


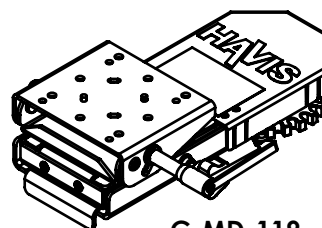
MD-110 SERIES MODELS



C-MD-112



C-MD-114



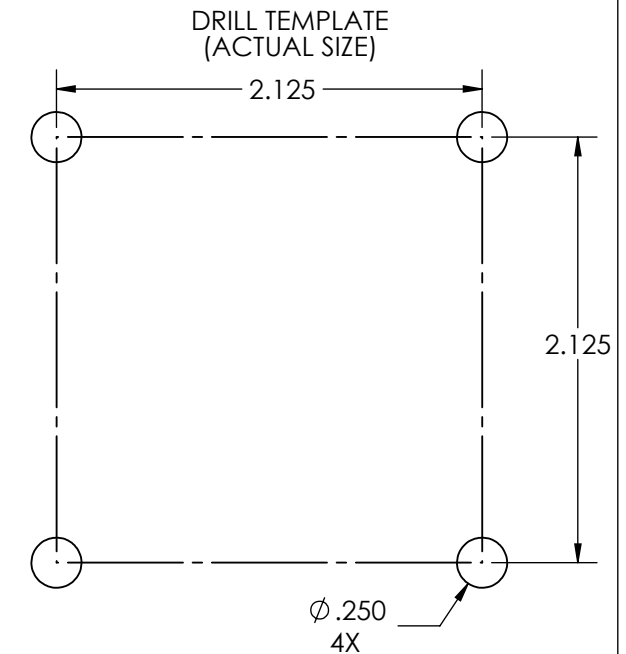
C-MD-119

REV.	DESCRIPTION
7-16	RELEASED TO PRODUCTION
9-16	ADDED C-MD-111 & C-MD-113
3-17	REMOVED C-MD-111 & C-MD-113 REFERENCES
10-19	UPDATED TO REFLECT NEW RIVETED TILT SWIVEL
2-20	GSM34061 WAS GSM34063

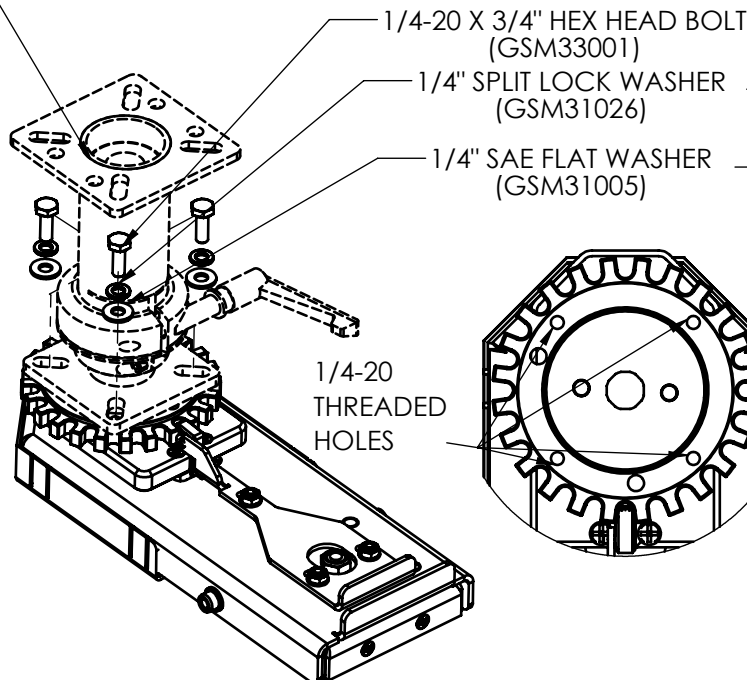
SURFACE MOUNTING INSTRUCTIONS

MD-110 SERIES MOTION DEVICES CAN BE MOUNTED TO ANY FLAT SURFACE, INCLUDING CONSOLE TOPS AND HDM POLES. IF SURFACE DOES NOT HAVE PREDRILLED HOLES, USE THE DRILL TEMPLATE TO THE RIGHT.

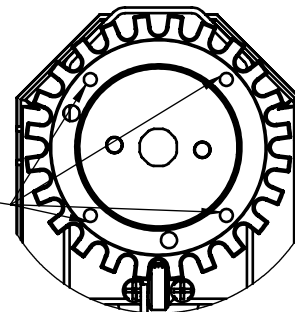
- PLACE MD-110 SERIES ON TOP OF MOUNTING SURFACE, ALIGNING THE (4) THREADED HOLES OF MD-110 SERIES BASE WITH THE (4) 1/4" HOLES THROUGH MOUNTING SURFACE.
- INSTALL THE (4) HEX BOLTS, LOCK WASHERS, AND FLAT WASHERS THROUGH MOUNTING SURFACE INTO THE THREADED HOLES OF THE MOTION DEVICE AS SHOWN IN THE DIAGRAM BELOW.
- TIGHTEN ALL HARDWARE, ENSURING LOCK WASHERS ARE FULLY COMPRESSED.



— HAVIS HDM-200 SERIES POLE SHOWN (NOT INCLUDED)

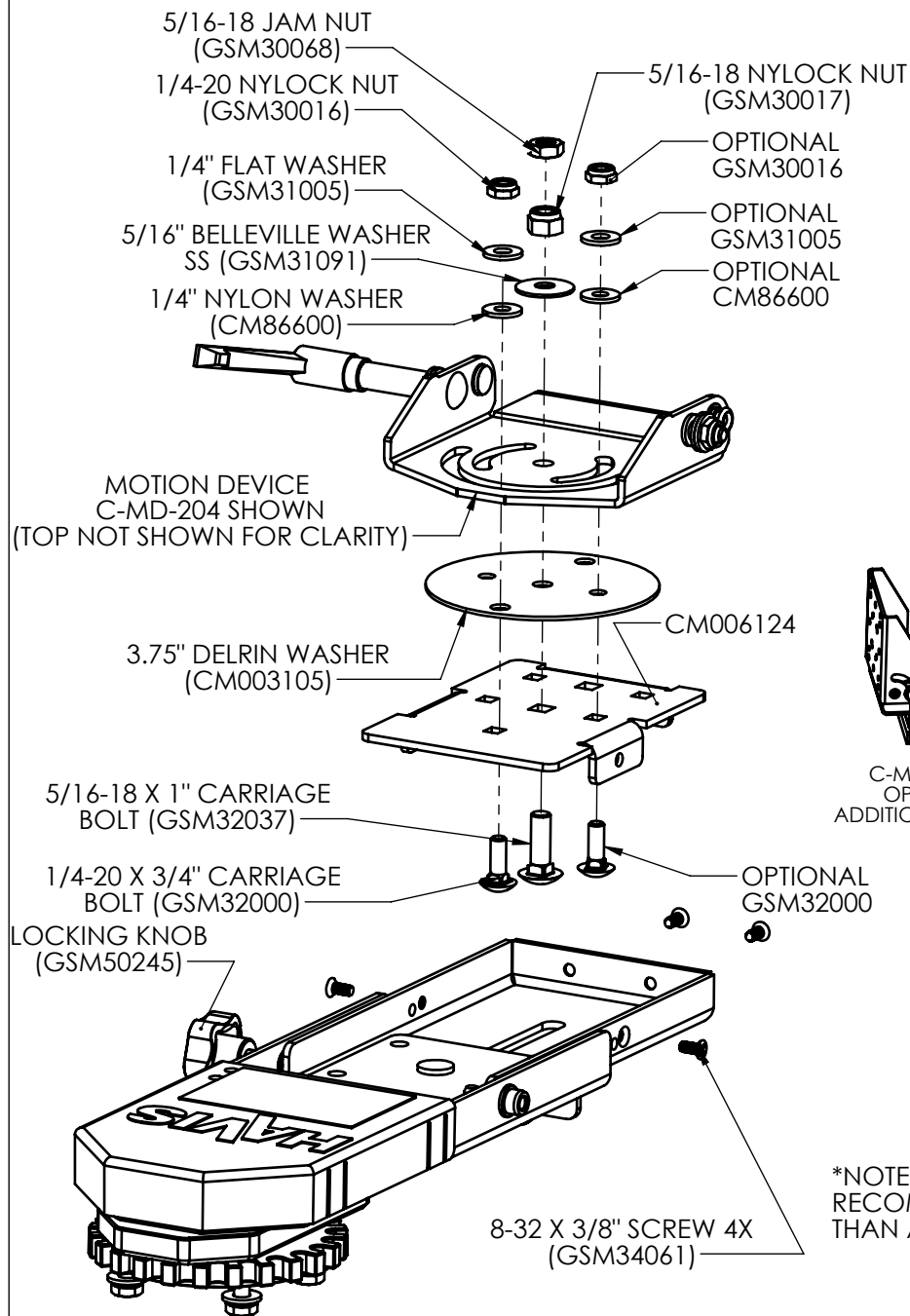


VIEW FROM BOTTOM FOR CLARITY



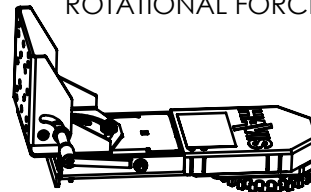
HAVIS VS CONSOLE
SHOWN (NOT INCLUDED)

HAVIS HAVIS, INC.		75 JACKSONVILLE RD. WARMINSTER, PA. 18974 1-800-524-9900
TITLE: MD-110 SERIES INSTRUCTIONS		
DO NOT SCALE DRAWING		
SIZE A	DWG. NO. C-MD-INST-3	REV 2-20
WEIGHT (LB): 9.66	SCALE: 1:0.9586	SHEET 1 OF 4



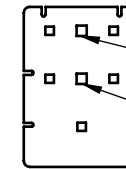
MOTION DEVICE INSTALLATION (C-MD-114) AND OPTIONAL TILT/SWIVEL POSITIONS (C-MD-112 AND C-MD-119)

- LOOSEN KNOB AND FULLY EXTEND SLIDE TRAY TO PROVIDE ACCESS TO THE (4) GSM34061 SCREWS.
- REMOVE SCREWS AND REMOVE PLATE CM006124 FROM ASSEMBLY.
- SELECT DESIRED MOUNTING POSITION AND CARRIAGE BOLT PATTERN FROM THE POSITIONS SHOWN BELOW. OPTIONAL MOUNTING POSITION PROVIDES ADDITIONAL CLEARANCE FOR MOTION DEVICE ROTATION IN VERTICAL TABLET MOUNTING APPLICATIONS WHEN USING C-MD-202 OR C-MKM-102.
- INSERT CARRIAGE BOLTS FROM BOTTOM THROUGH CM006124, CM003105, AND MOTION DEVICE BASE. USE THE BOLT PATTERN BELOW THAT CORRESPONDS WITH THE DESIRED ROTATION OF DEVICE.
- INSTALL WASHERS, NUTS, AND JAM NUTS FOLLOWING THE ORDER SHOWN IN THE EXPLODED VIEW TO LEFT.
- REINSTALL PLATE CM006124 AND (4) GSM34061 SCREWS.
- REFER TO USER ADJUSTMENTS PAGE FOR INFORMATION ON ADJUSTING ROTATIONAL FORCE OF DEVICE.



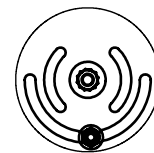
C-MD-200 SERIES SHOWN IN
OPTIONAL POSITION FOR
ADDITIONAL CORNER CLEARANCE

MOUNTING POSITIONS:

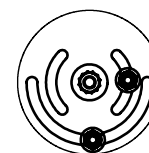


- OPTIONAL POSITION FOR CENTER CARRIAGE BOLT (GSM32000)
- STANDARD POSITION FOR CENTER CARRIAGE BOLT (GSM32000)

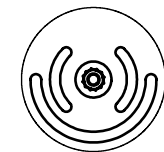
CARRIAGE BOLT PATTERNS:



STANDARD
180° ROTATION
(AS SHIPPED)



OPTIONAL
90° ROTATION
(ADD SUPPLIED 1/4"
HARDWARE AS SHOWN)

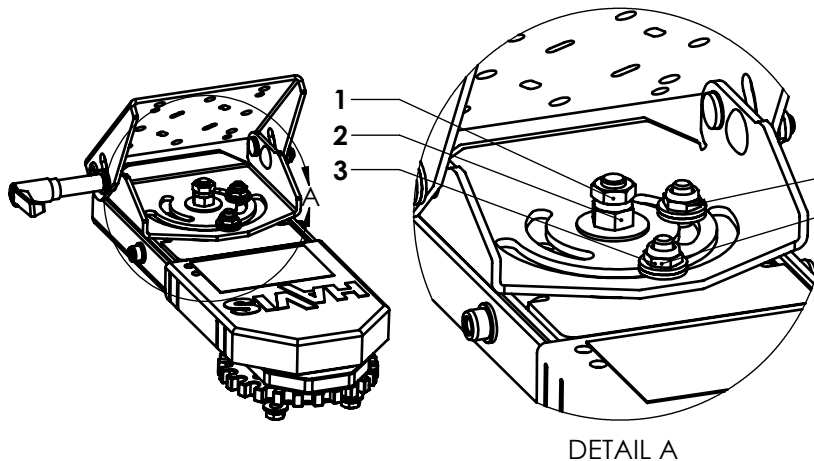


OPTIONAL
*360° ROTATION
(DO NOT USE 1/4" HARDWARE)

*NOTE: OPTIONAL 360° MOUNTING IS NOT RECOMMENDED FOR MOUNTING DEVICES HEAVIER THAN A KEYBOARD.

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WEIGHT (LB): 27.06	SCALE: 1:3	SHEET 2 OF 4

USER ADJUSTMENTS



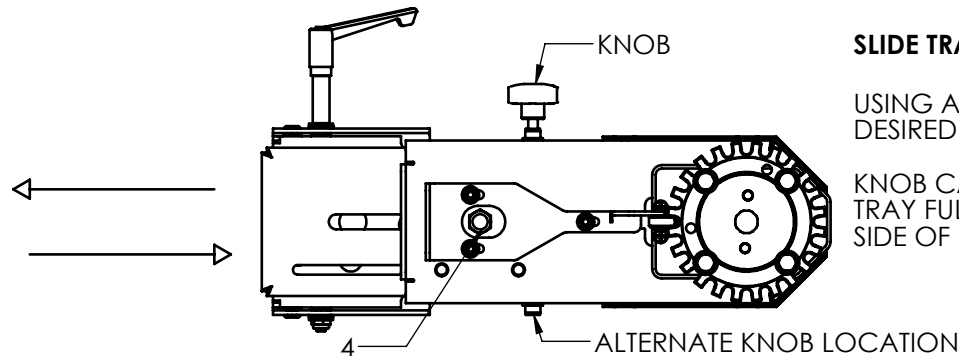
MOTION DEVICE ROTATION

NOTE: TILT/SWIVEL MOTION DEVICE SHOWN. OTHER MOTION DEVICES MAY BE SUBSTITUTED.

(OPTIONAL 90° ROTATION CONFIGURATION)
(STANDARD 180° ROTATION CONFIGURATION)

USING A 1/2" SOCKET, LOOSEN NUT 1 AND ADJUST NUT 2 WITH A 1/2" OPEN END WRENCH AS REQUIRED TO ACHIEVE CUSTOMER DESIRED ROTATIONAL FORCE OF MOTION DEVICE. RETIGHTEN NUT 1 WITH A 1/2" SOCKET WHILE RESTRICTING NUT 2 FROM TURNING WITH A 1/2" OPEN END WRENCH.

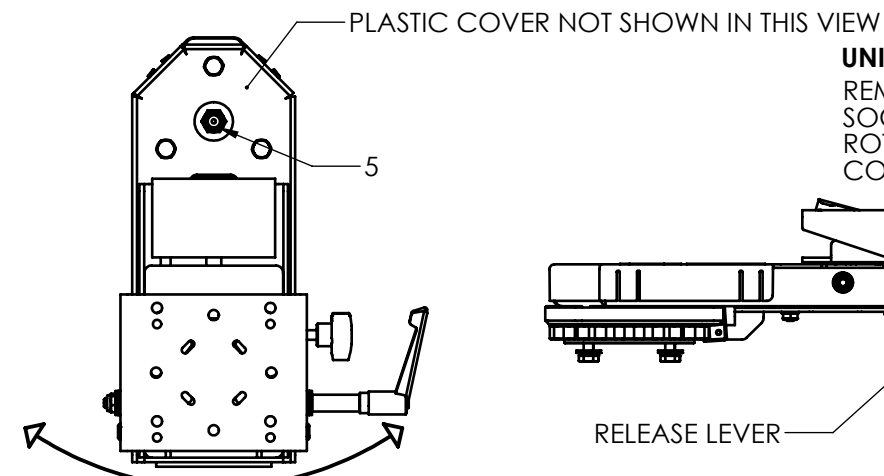
FOR MINOR ADJUSTMENT, TIGHTEN OR LOOSEN NUT 3 USING A 7/16" SOCKET.



SLIDE TRAY

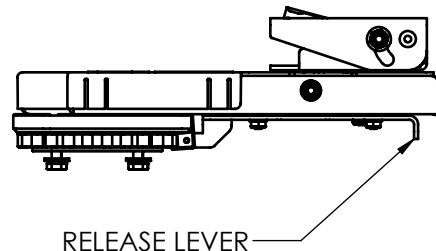
USING A 9/16" SOCKET, TIGHTEN/LOOSEN NUT 4 AS REQUIRED TO ACHIEVE CUSTOMER DESIRED SLIDING FORCE OF SLIDE TRAY.

KNOB CAN BE TIGHTENED TO LOCK SLIDE TRAY IN ANY POSITION. STORE WITH SLIDE TRAY FULLY COLLAPSED AND KNOB TIGHTENED. KNOB CAN BE INSTALLED ON EITHER SIDE OF DEVICE AT USER'S PREFERENCE.



UNIT ROTATION

REMOVE PLASTIC COVER BY PULLING UPWARDS TO UNSNAP SIDE CLIPS. USING A 9/16" SOCKET, TIGHTEN/LOOSEN NUT 5 AS REQUIRED TO ACHIEVE CUSTOMER DESIRED ROTATIONAL FORCE OF DEVICE WHEN RELEASE LEVER IS PULLED. REINSTALL PLASTIC COVER BY PUSHING DOWNWARD TO ENGAGE SIDE CLIPS.



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WEIGHT (LB): 27.06	SCALE: 1:5	SHEET 3 OF 4

INSTRUCTIONS FOR OPTIONAL REINFORCEMENT PLATES OF C-MD-200 SERIES

GSM30017
5/16-18 NYLOCK NUT

GSM31006
5/16 FLAT WASHER

GSM30016 OPTIONAL
1/4-20 NYLOCK NUT

GSM30005 OPTIONAL
1/4 FLAT WASHER

CM86600 OPTIONAL
1/4 PLASTIC WASHER

GSM30016
1/4-20 NYLOCK NUT

GSM30005
1/4 FLAT WASHER

CM86600
1/4 PLASTIC WASHER

GSM31310
5/16 PLASTIC WASHER

**ADDITIONAL
CM003105 LARGE NYLON WASHER
(INCLUDED ONLY IN
C-MD-206 AND C-MD-207)
INSTALL REINFORCEMENT PLATE
ON THIS SIDE WHEN USED
IN FLM APPLICATIONS**

DEPENDENT ON
APPLICATION THE
CENTER PIVOT BOLT
MAY REQUIRE 1/4"
HARDWARE

MOUNTING
PLATFORM

CM003105
LARGE NYLON
WASHER

CM003103-1
REINFORCEMENT PLATE

GSM31091
BELLEVILLE WASHER

GSM31005
1/4 FLAT WASHER

GSM33003
1/4-20 X 1-1/4" LG
HHCS

GSM33003
1/4-20 X 1-1/4" LG HHCS
OPTIONAL

GSM33013
5/16-18 X 1-1/4" LG
HHCS

GSM31005
1/4 FLAT WASHER
OPTIONAL

DEPENDENT ON
APPLICATION THE
CENTER PIVOT BOLT
MAY REQUIRE 1/4"
HARDWARE

DEPENDENT ON
APPLICATION THE
CENTER PIVOT BOLT
MAY REQUIRE 1/4"
HARDWARE

HAVIS HAVIS, INC.		75 JACKSONVILLE RD. WARMINSTER, PA. 18974 1-800-524-9900
TITLE: MD-110 SERIES INSTRUCTIONS		
DO NOT SCALE DRAWING		
SIZE A	DWG. NO. C-MD-INST-3	REV 2-20
WEIGHT (LB): N/A	SCALE: 1:5	SHEET 4 OF 4