3-CIM BALL SHIFTER CASING

SECTION A-A

SECTION B-B

Internal Features

[2.54] .100 THK TYP

[2.54] .100

[3.18] .125 THK

[11.10] .437

[7.94] .313

[11.11] .438 FOR 1/4-20 NUT

[4X] 1/4-20 NUT POCKET

[4X] 1/4-20 NUT POCKET

3X φ .374[9.50] \( \pm .057[14.54] \)

CIM PINION RETAINER SLEEVE

φ 1.375 THRU

φ 1.575[40] \( \pm .059 \)

BEARING BORE

φ .260[6.60] THRU

1/4" FASTENER CLEARANCE

φ .875 THRU

φ 1.000[25.40] \( \pm .089 \)

BEARING BORE

6X φ .196 THRU

φ .374[9.50] \( \pm .883 \)

#10 CLEARANCE FOR CIM MOUNT

φ 1.125 THRU

φ 1.230[31.24] \( \pm .050 \)

BEARING BORE

ALL DIMENSIONS ARE IN INCHES (MM)

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Motor and Encoder Mounting

Clearance for #10 Bolt Head

6X #10 CLEARANCE

FOR MOUNTING SHIFTING PISTON

BEARING POCKET

ALL DIMENSIONS ARE IN INCHES (MM).
Bearing Location

3-CIM BALL SHIFTER CASING

[3X] \( \phi 1.124 \) \([28.55] \) \( \rotate[90]{.210}[5.33] \)
BEARING POCKET

\( \phi .875 \) THRU
\( \phi 1.126 \) \([28.60] \) \( \rotate[90]{.210} \)

\( [22.23] \) \( \phi .875 \)
\( [78.89] \) \( \phi 3.106 \)
\( [55.32] \) \( 2.178 \)
\( [108.74] \) \( 4.281 \)

\( [28.58] \) \( \phi 1.125 \)

\( [53.42] \) \( 2.103 \)
84T GEAR SPACING

ALL DIMENSIONS ARE IN INCHES [MM].