<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
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<td>Base</td>
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<td>Bearing Plate</td>
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<tr>
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<td>Mounting hub</td>
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<td>5</td>
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<td>HX-SHCS 0.164-32x0.25x0.25-S</td>
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<td>6</td>
<td>2</td>
<td>Clamp</td>
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<td>7</td>
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<td>HX-SHCS 0.138-32x0.625x0.625-S</td>
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<td>8</td>
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<td>Gear mounting ring</td>
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<td>9</td>
<td>3</td>
<td>SSCUPSKT 0.138-32x0.25-HX-N</td>
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<td>Gear</td>
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<td>HJNUT 0.5000-20-D-N</td>
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<td>SSCUPSKT 0.086-56x0.09375-HX-N</td>
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<td>Collar</td>
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<td>Shim</td>
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<td>17</td>
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<td>SSCUPSKT 0.138-32x0.125-HX-N</td>
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<td>18</td>
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<td>Pin</td>
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<td>Pointer</td>
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<td>CR-FIMS 0.086-56x0.25x0.25-N</td>
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<td>21</td>
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<td>Bearing Cup</td>
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<td>AFBMA 12.2 - 0.2500 - 0.6250 - 0.1960 - 10,SI,NC,10</td>
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<td>23</td>
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<td>Dial</td>
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<td>24</td>
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<td>Dial Pin</td>
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<tr>
<td>25</td>
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<td>ALCNUT 0.1640-32-N</td>
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<td>26</td>
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<td>Dial Crank</td>
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<td>27</td>
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<td>Dial Crank Axle</td>
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<td>28</td>
<td>3</td>
<td>CR-PHMS 0.112-40x0.375x0.375-N</td>
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<td>29</td>
<td>8</td>
<td>CR-PHMS 0.112-40x0.4375x0.4375-N</td>
</tr>
</tbody>
</table>
Radius To Match Base

#30 Drill Then
Ø 0.219 C' Bore #4 SH Screws
8 Places - Match to Base

Ø 1.781
Light Press Fit
For Bearing Race

#6-32 Tapped Hole
2 Places

Scribe Line
0.010 Deep X .250

2.125

4.000

.375

4.000

DEAN'S PHOTOGRAPHICA

BEARING PLATE

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL ±

ANGULAR: MACH ±

TWO PLACE DECIMAL ±

THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC

TOLERANCING PER:

MATERIAL

FINISH

NEXT ASSY

APPLICATION

DO NOT SCALE DRAWING

PREPARED/DRAWN: SCC 06/18/09

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NOTE: Alignment Rings Cut 0.015 Deep X 0.025 Wide 1, 2, & 3" Diameter

#6-32 Tapped Hole Three Places
0.015 X 45 Deg Chamfer

1/2 X 20 Thread

NOTE: If Needed Remove Threads For Jam Nut to Seat Properly

Drill #28

\( \phi .281 \text{C'Bore } #6 \text{ SCHS} \)

To Match Table

60.00°
#4-40 Tapped Hole
Space Equally

Drill & Tap for 6-32
SHSS 3 Places
Clearance Drill Half Way Thru

ϕ 1.500

ϕ 0.751

ϕ 1.250

.200

.100
Dial Graduations:
- DEG Lines 6 X 0.010 Deep X 0.30
- 1/2 DEG Lines 6 X 0.010 X 0.20
- 1/10 DEG Lines 48 X 0.010 X 0.10

SECTION C-C

0.030 X 45 DEG Chamfer

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN INCHES
- TOLERANCES:
  - FRACTIONAL
  - ANGULAR: MACH BEND
  - TWO PLACE DECIMAL
  - THREE PLACE DECIMAL

INTERPRET GEOMETRIC TOLERANCING PER:
- DIMENSIONS ARE IN INCHES
- TOLERANCES:
  - FRACTIONAL
  - ANGULAR: MACH BEND
  - TWO PLACE DECIMAL
  - THREE PLACE DECIMAL

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Dial Crank & Axle

6-32 THREADS

R1.750

0.313

0.083

0.396

0.140

0.296

0.031

0.138

0.313

0.063

0.031

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL
ANGULAR: MACH: BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL
FINISH

NEXT ASSY USED ON
APPLICATION
DO NOT SCALE DRAWING

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SHIM 1 REQ'D

SECTION E-E
SCALE 1:1

TAP # 6-32 FOR SET SCREW

.163

.625

MAKE PINS FROM
0.0625 ROD
SCALE 2:1

2 REQ'D

1 REQ'D

CLAMP
2 REQ'D

COLLAR
1 REQ'D

1/2 - 20 HEX NUT
FACE TO 0.290

.290