## PIVOTS INDEX

### DUMP ASSEMBLIES AND COMPONENTS

<table>
<thead>
<tr>
<th>PAGE</th>
<th>DATE</th>
<th>NAAMS CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-1</td>
<td>09/06/12</td>
<td></td>
<td>Pivots Index</td>
</tr>
<tr>
<td>N-1.1</td>
<td>09/06/12</td>
<td></td>
<td>Pivots Index</td>
</tr>
<tr>
<td>N-2</td>
<td>09/06/02</td>
<td>ADP200, 300, 400, 500</td>
<td>Dump Unit Pivot Assembly</td>
</tr>
<tr>
<td>N-3</td>
<td>05/25/12</td>
<td>ADP200, 300, 400, 500</td>
<td>Dump Unit Pivot Assembly</td>
</tr>
<tr>
<td>N-4</td>
<td>08/24/07</td>
<td>ADP201</td>
<td>Dump Unit Stub Shaft</td>
</tr>
<tr>
<td>N-5</td>
<td>08/24/07</td>
<td>ADP202</td>
<td>Dump Unit Spacer</td>
</tr>
<tr>
<td>N-6</td>
<td>08/24/07</td>
<td>ADP301</td>
<td>Dump Unit Stub Shaft</td>
</tr>
<tr>
<td>N-7</td>
<td>08/24/07</td>
<td>ADP302 Series</td>
<td>Dump Unit Spacer</td>
</tr>
<tr>
<td>N-8</td>
<td>08/24/07</td>
<td>ADP401</td>
<td>Dump Unit Stub Shaft</td>
</tr>
<tr>
<td>N-9</td>
<td>08/24/07</td>
<td>ADP402 Series</td>
<td>Dump Unit Spacer</td>
</tr>
<tr>
<td>N-10</td>
<td>08/24/07</td>
<td>ADP501</td>
<td>Dump Unit Stub Shaft</td>
</tr>
<tr>
<td>N-11</td>
<td>08/24/07</td>
<td>ADP502 Series</td>
<td>Dump Unit Spacer</td>
</tr>
<tr>
<td>N-12</td>
<td>08/24/07</td>
<td>ADP400C</td>
<td>Dump Unit Pivot Assy. Thru Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-13</td>
<td>08/24/07</td>
<td>ADP416C–ADP490C</td>
<td>40 MM Through Shafts</td>
</tr>
<tr>
<td>N-14</td>
<td>08/24/07</td>
<td>ADP500C</td>
<td>Dump Unit Pivot Assy. Thru Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-15</td>
<td>08/24/07</td>
<td>ADP530C–ADP590C</td>
<td>50 MM Through Shafts</td>
</tr>
<tr>
<td>N-16</td>
<td>08/24/07</td>
<td>ADP600C</td>
<td>Dump Unit Pivot Assy. Thru Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-17</td>
<td>08/24/07</td>
<td>ADP630C–ADP690C</td>
<td>60 MM Through Shafts</td>
</tr>
<tr>
<td>N-18</td>
<td>08/24/07</td>
<td>ADP400SC</td>
<td>Dump Unit Pivot Assy. Stub Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-19</td>
<td>08/24/07</td>
<td>ADP500SC</td>
<td>Dump Unit Pivot Assy. Stub Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-20</td>
<td>08/24/07</td>
<td>ADP600SC</td>
<td>Dump Unit Pivot Assy. Stub Shaft Composite Bearings</td>
</tr>
<tr>
<td>N-21</td>
<td>08/24/07</td>
<td>ADP413SC–ADP619SC</td>
<td>Stub Shafts</td>
</tr>
<tr>
<td>N-22</td>
<td>08/24/07</td>
<td>ADP999</td>
<td>Metric Keeper</td>
</tr>
<tr>
<td>N-23</td>
<td>09/06/12</td>
<td>ADP2550B–ADP6010B</td>
<td>Dump Unit Pivot Bronze Thrust Washer</td>
</tr>
<tr>
<td>N-24</td>
<td>02/25/00</td>
<td>ADP4050C–ADP6070C</td>
<td>Dump Unit Pivot Composite Bearing</td>
</tr>
<tr>
<td>N-25</td>
<td>09/06/12</td>
<td>ADP700</td>
<td>Dump Unit Pivot Stainless Steel Thrust Washer</td>
</tr>
</tbody>
</table>
# PIVOTS INDEX

## DROP AWAY LEAF ASSEMBLY

<table>
<thead>
<tr>
<th>PAGE</th>
<th>DATE</th>
<th>NAAMS CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-26</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 1</td>
</tr>
<tr>
<td>N-26.1</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 2</td>
</tr>
<tr>
<td>N-26.2</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 3</td>
</tr>
<tr>
<td>N-26.3</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 4</td>
</tr>
<tr>
<td>N-26.4</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 5</td>
</tr>
<tr>
<td>N-26.5</td>
<td>09/06/12</td>
<td>ADL0100</td>
<td>Drop Away Leaf Assembly, Sheet 6</td>
</tr>
</tbody>
</table>

## DROP AWAY LEAF ASSEMBLY DETAILS

<table>
<thead>
<tr>
<th>PAGE</th>
<th>DATE</th>
<th>NAAMS CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-27</td>
<td>09/06/12</td>
<td>ADL0001</td>
<td>Angle Bracket</td>
</tr>
<tr>
<td>N-27.1</td>
<td>09/06/12</td>
<td>ADL0003</td>
<td>Mounting Plate</td>
</tr>
<tr>
<td>N-27.2</td>
<td>09/06/12</td>
<td>ADL0005</td>
<td>Arm</td>
</tr>
<tr>
<td>N-27.3</td>
<td>09/06/12</td>
<td>ADL0006</td>
<td>Plate</td>
</tr>
<tr>
<td>N-27.4</td>
<td>09/06/12</td>
<td>ADL0007</td>
<td>Lock Keeper</td>
</tr>
<tr>
<td>N-27.5</td>
<td>09/06/12</td>
<td>ADL0008</td>
<td>Stop Block</td>
</tr>
<tr>
<td>N-27.6</td>
<td>09/06/12</td>
<td>ADL0009</td>
<td>Trunnion Offset</td>
</tr>
<tr>
<td>N-27.7</td>
<td>09/06/12</td>
<td>ADL0011</td>
<td>Pivot Arm</td>
</tr>
<tr>
<td>N-27.8</td>
<td>09/06/12</td>
<td>ADL0012</td>
<td>Arm</td>
</tr>
<tr>
<td>N-27.9</td>
<td>09/06/12</td>
<td>ADL0013</td>
<td>Cover</td>
</tr>
<tr>
<td>N-27.10</td>
<td>09/06/12</td>
<td>ADL0014</td>
<td>Shock Block</td>
</tr>
<tr>
<td>N-27.11</td>
<td>09/06/12</td>
<td>ADL0015</td>
<td>Clevis</td>
</tr>
<tr>
<td>N-27.12</td>
<td>09/06/12</td>
<td>ADL0016</td>
<td>Pivot Hub</td>
</tr>
<tr>
<td>N-27.13</td>
<td>09/06/12</td>
<td>ADL0018</td>
<td>Switch Mounting Bracket</td>
</tr>
<tr>
<td>N-27.14</td>
<td>09/06/12</td>
<td>ADL0020</td>
<td>Keeper</td>
</tr>
<tr>
<td>N-27.15</td>
<td>09/06/12</td>
<td>ADL0021</td>
<td>Cover</td>
</tr>
<tr>
<td>N-27.16</td>
<td>09/06/12</td>
<td>ADL0022</td>
<td>Thrust Washer</td>
</tr>
</tbody>
</table>

## DROP AWAY LEAF ASSEMBLY BILL OF MATERIALS (BOM’S)

<table>
<thead>
<tr>
<th>PAGE</th>
<th>DATE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-28</td>
<td>09/06/12</td>
<td>BOM, Sheet 1</td>
</tr>
<tr>
<td>N-28.1</td>
<td>09/06/12</td>
<td>BOM, Sheet 2</td>
</tr>
<tr>
<td>N-28.2</td>
<td>09/06/12</td>
<td>BOM, Sheet 3</td>
</tr>
<tr>
<td>N-28.3</td>
<td>09/06/12</td>
<td>BOM, Sheet 4</td>
</tr>
</tbody>
</table>
NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.
TABULATED INFORMATION ON FOLLOWING PAGE
<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>ADP200</th>
<th>ADP300</th>
<th>ADP400</th>
<th>ADP500</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Bearing¹</td>
<td>6304</td>
<td>6306</td>
<td>6308</td>
<td>6310</td>
</tr>
<tr>
<td>B Shield²</td>
<td>6304</td>
<td>6306</td>
<td>6308</td>
<td>6310</td>
</tr>
<tr>
<td>C Stub Shaft</td>
<td>ADP201</td>
<td>ADP301</td>
<td>ADP401</td>
<td>ADP501</td>
</tr>
<tr>
<td>D Spacer</td>
<td>ADP202</td>
<td>ADP302</td>
<td>ADP402</td>
<td>ADP502</td>
</tr>
<tr>
<td>E Steel Tub Size</td>
<td>2-1/2 O.D. X 1-1/2 I.D.</td>
<td>3-1/2 O.D. X 2-1/2 I.D.</td>
<td>4 O.D. X 3 I.D.</td>
<td>5 O.D. X 3-3/4 I.D.</td>
</tr>
<tr>
<td>F Bearing Bore Depth</td>
<td>15.3</td>
<td>19.3</td>
<td>23.3</td>
<td>27.3</td>
</tr>
<tr>
<td>G Bearing Bore Dia Ref</td>
<td>52.000⁺⁻₀.₀₁₃</td>
<td>72.000⁺⁻₀.₀₁₃</td>
<td>90.000⁺⁻₀.₀₁₃</td>
<td>110.000⁺⁻₀.₀₁₃</td>
</tr>
<tr>
<td>Max Load Rating N, (Lb)</td>
<td>15,900 (3,580)</td>
<td>28,100 (6,320)</td>
<td>41,000 (9,230)</td>
<td>61,800 (13,900)</td>
</tr>
</tbody>
</table>

¹Commercial ball bearing with seals both sides, lube for life
²Commercial sheet metal shield compatible with ball bearing

NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

SEE DRAWING ON PREVIOUS PAGE
DUMP UNIT STUB SHAFT
ADP-201

Tolerances:
1 PLACE ± 0.3
2 PLACE ± 0.08

Weight: 0.59kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
THE SPACER MAY BE CUT IN HALF THROUGH THE HOLES AT ASSEMBLY
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
DUMP UNIT STUB SHAFT
ADP-301

Tolerances:
1 PLACE ± 0.3
2 PLACE ±0.08
Weight: 0.91 kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

Material: S.A.E. 1020 H.R.S.

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

©1998 Auto/Steel Partnership This document is Uncontrolled when printed.
Tolerances:
1 PLACE ± 0.3
2 PLACE ±0.08

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>NAAMS CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNCUT</td>
<td>ADP302</td>
</tr>
<tr>
<td>CUT ON AXIS X - X</td>
<td>ADP302A</td>
</tr>
<tr>
<td>CUT ON AXIS Y - Y</td>
<td>ADP302B</td>
</tr>
</tbody>
</table>
DUMP UNIT STUB SHAFT
ADP-401

Tolerances:
1 PLACE ± 0.3
2 PLACE ± 0.08

Weight: 1.59 kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

©1998 Auto/Steel Partnership This document is Uncontrolled when printed.
DUMP UNIT SPACER
ADP402 SERIES

Tolerances:
1 PLACE ± 0.3
2 PLACE ±0.08

Weight: 0.18 kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

CONDITION | NAAMS CODE
---|---
UNCUT | ADP402
CUT ON AXIS X - X | ADP402A
CUT ON AXIS Y - Y | ADP402B
Tolerances:
1 PLACE ± 0.3
2 PLACE ±0.08

Weight: 2.59 kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
DUMP UNIT SPACER
ADP502 SERIES

Tolerances:
1 PLACE  ± 0.3
2 PLACE  ±0.08

Weight: 0.32 kg

NOTES & SPECIFICATIONS:
Material: S.A.E. 1020 H.R.S.
THE SPACER MAY BE CUT IN HALF THROUGH THE HOLES AT ASSEMBLY
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

CONDITION    NAAMS CODE
UNCUT         ADP502
CUT ON AXIS X - X ADP502A
CUT ON AXIS Y - Y ADP502B
SHOWN USING ADP400C SERIES THROUGH SHAFTS
NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

LIGHT – MEDIUM DUTY
THROUGH SHAFT APPLICATIONS

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±0.15
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

NOTE: THIS ONE PIECE THROUGH SHAFT ASSEMBLY IS PREFERRED WHEN A PIVOT ASM. IS 900 MM LONG OR LESS.
A STUB SHAFT ASSEMBLY IS PREFERRED WHEN A PIVOT ASM. IS OVER 900 MM LONG OR WHEN A ONE PIECE THROUGH SHAFT CANNOT BE REMOVED FOR MAINTENANCE.
# 40 MM THROUGH SHAFTS

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP416C</td>
<td>160.00</td>
<td>1.5</td>
<td>ADP436C</td>
<td>360.00</td>
<td>3.5</td>
<td>ADP456C</td>
<td>560.00</td>
<td>5.4</td>
<td>ADP476C</td>
<td>760.00</td>
<td>7.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP417C</td>
<td>170.00</td>
<td>1.6</td>
<td>ADP437C</td>
<td>370.00</td>
<td>3.6</td>
<td>ADP457C</td>
<td>570.00</td>
<td>5.5</td>
<td>ADP477C</td>
<td>770.00</td>
<td>7.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP418C</td>
<td>180.00</td>
<td>1.7</td>
<td>ADP438C</td>
<td>380.00</td>
<td>3.7</td>
<td>ADP458C</td>
<td>580.00</td>
<td>5.6</td>
<td>ADP478C</td>
<td>780.00</td>
<td>7.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP419C</td>
<td>190.00</td>
<td>1.8</td>
<td>ADP439C</td>
<td>390.00</td>
<td>3.8</td>
<td>ADP459C</td>
<td>590.00</td>
<td>5.7</td>
<td>ADP479C</td>
<td>790.00</td>
<td>7.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP420C</td>
<td>200.00</td>
<td>1.9</td>
<td>ADP440C</td>
<td>400.00</td>
<td>3.9</td>
<td>ADP460C</td>
<td>600.00</td>
<td>5.8</td>
<td>ADP480C</td>
<td>800.00</td>
<td>7.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP421C</td>
<td>210.00</td>
<td>2.0</td>
<td>ADP441C</td>
<td>410.00</td>
<td>4.0</td>
<td>ADP461C</td>
<td>610.00</td>
<td>5.9</td>
<td>ADP481C</td>
<td>810.00</td>
<td>7.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP422C</td>
<td>220.00</td>
<td>2.1</td>
<td>ADP442C</td>
<td>420.00</td>
<td>4.1</td>
<td>ADP462C</td>
<td>620.00</td>
<td>6.0</td>
<td>ADP482C</td>
<td>820.00</td>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP423C</td>
<td>230.00</td>
<td>2.2</td>
<td>ADP443C</td>
<td>430.00</td>
<td>4.2</td>
<td>ADP463C</td>
<td>630.00</td>
<td>6.1</td>
<td>ADP483C</td>
<td>830.00</td>
<td>8.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP424C</td>
<td>240.00</td>
<td>2.3</td>
<td>ADP444C</td>
<td>440.00</td>
<td>4.3</td>
<td>ADP464C</td>
<td>640.00</td>
<td>6.2</td>
<td>ADP484C</td>
<td>840.00</td>
<td>8.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP425C</td>
<td>250.00</td>
<td>2.4</td>
<td>ADP445C</td>
<td>450.00</td>
<td>4.4</td>
<td>ADP465C</td>
<td>650.00</td>
<td>6.3</td>
<td>ADP485C</td>
<td>850.00</td>
<td>8.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP426C</td>
<td>260.00</td>
<td>2.5</td>
<td>ADP446C</td>
<td>460.00</td>
<td>4.5</td>
<td>ADP466C</td>
<td>660.00</td>
<td>6.4</td>
<td>ADP486C</td>
<td>860.00</td>
<td>8.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP427C</td>
<td>270.00</td>
<td>2.6</td>
<td>ADP447C</td>
<td>470.00</td>
<td>4.6</td>
<td>ADP467C</td>
<td>670.00</td>
<td>6.5</td>
<td>ADP487C</td>
<td>870.00</td>
<td>8.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP428C</td>
<td>280.00</td>
<td>2.7</td>
<td>ADP448C</td>
<td>480.00</td>
<td>4.6</td>
<td>ADP468C</td>
<td>680.00</td>
<td>6.6</td>
<td>ADP488C</td>
<td>880.00</td>
<td>8.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP429C</td>
<td>290.00</td>
<td>2.8</td>
<td>ADP449C</td>
<td>490.00</td>
<td>4.7</td>
<td>ADP469C</td>
<td>690.00</td>
<td>6.7</td>
<td>ADP489C</td>
<td>890.00</td>
<td>8.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP430C</td>
<td>300.00</td>
<td>2.9</td>
<td>ADP450C</td>
<td>500.00</td>
<td>4.8</td>
<td>ADP470C</td>
<td>700.00</td>
<td>6.8</td>
<td>ADP490C</td>
<td>900.00</td>
<td>8.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP431C</td>
<td>310.00</td>
<td>3.0</td>
<td>ADP451C</td>
<td>510.00</td>
<td>4.9</td>
<td>ADP471C</td>
<td>710.00</td>
<td>6.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP432C</td>
<td>320.00</td>
<td>3.1</td>
<td>ADP452C</td>
<td>520.00</td>
<td>5.0</td>
<td>ADP472C</td>
<td>720.00</td>
<td>7.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP433C</td>
<td>330.00</td>
<td>3.2</td>
<td>ADP453C</td>
<td>530.00</td>
<td>5.1</td>
<td>ADP473C</td>
<td>730.00</td>
<td>7.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP434C</td>
<td>340.00</td>
<td>3.3</td>
<td>ADP454C</td>
<td>540.00</td>
<td>5.2</td>
<td>ADP474C</td>
<td>740.00</td>
<td>7.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP435C</td>
<td>350.00</td>
<td>3.4</td>
<td>ADP455C</td>
<td>550.00</td>
<td>5.3</td>
<td>ADP475C</td>
<td>750.00</td>
<td>7.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXCEPT AS NOTED TOLERANCES SHALL BE:**
- 1 PLACE MACHINING ±0.3
- 1 PLACE FABRICATION ±1.5
- 2 PLACE ± 0.03 GENERAL
- ± 0.03 BETWEEN DOWELS
- ± 0.13 TO SCREW HOLES

**MATERIAL:**
- 40.000 T.G.P. & C. S.A.E. 1045
- 28-32 R.C. THRU
- 0.25 CHROME, 64-70 R.C.
- 0.20-0.40 MICRO METERS (8-16 MICRO INCHES)

**SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART**

©1998 Auto/Steel Partnership
This document is Uncontrolled when printed.
SHOWN USING ADP500C SERIES THROUGH SHAFTS

NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

0.12 TOTAL GAP TO 0.06
INTERFERENCE. GRIND ONE THRUST
WASHER IF NECESSARY (0.12 TOTAL GAP
MAX. ON DUMP UNITS WITH N.C. BLOCKS).

ADP5060C BEARING

15.0 MIN. WALL THK.
AROUND TUB’G.

ADP5095B
THRUST WASHER

3 1/2” DIA. ROUND STOCK (REF)

+0.025
-0.000

50.025
HOUSING DIA.

+0.000
-0.025
DIA. T.G.P.& C.
S.A.E. 1045
28–32 R.C. THRU
0.025 CHROME 64–70 R.C.
0.20–0.40 MICRO METERS
(8–16 MICRO INCHES)

F010810 SHCS

50.0
BEARING

75.0
BORING DEPTH

78.0
BEARING O.D. REF.

+0.00
-0.03
(A + 10.0)
-0.00

3 1/4” O.D. X 2 1/4” I.D.
ROUND MECH. TUBING
PREFERRED SIZE (REF)

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.

NOTE: THIS ONE PIECE THROUGH SHAFT ASSEMBLY
IS PREFERRED WHEN A
PIVOT ASM. IS 900 MM LONG OR LESS.
A STUB SHAFT ASSEMBLY IS PREFERRED
WHEN A PIVOT ASM. IS OVER 900 MM LONG
OR WHEN A ONE PIECE THROUGH SHAFT
CANNOT BE REMOVED FOR MAINTENANCE.

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
### 50 MM THROUGH SHAFTS

**MATERIAL:** 50.000 Dia. T.G.P. & C. S.A.E. 1045 0.25 CHROME, 64-70 R.C. 0.20-0.40 MICRO METERS (8-16 MICRO INCHES)

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP530C</td>
<td>300.00</td>
<td>4.5</td>
<td>ADP545C</td>
<td>450.00</td>
<td>6.8</td>
<td>ADP560C</td>
<td>600.00</td>
<td>9.1</td>
<td>ADP575C</td>
<td>750.00</td>
<td>11.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP531C</td>
<td>310.00</td>
<td>4.7</td>
<td>ADP546C</td>
<td>460.00</td>
<td>7.0</td>
<td>ADP561C</td>
<td>610.00</td>
<td>9.3</td>
<td>ADP576C</td>
<td>760.00</td>
<td>11.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP532C</td>
<td>320.00</td>
<td>4.8</td>
<td>ADP547C</td>
<td>470.00</td>
<td>7.1</td>
<td>ADP562C</td>
<td>620.00</td>
<td>9.4</td>
<td>ADP577C</td>
<td>770.00</td>
<td>11.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP533C</td>
<td>330.00</td>
<td>5.0</td>
<td>ADP548C</td>
<td>480.00</td>
<td>7.3</td>
<td>ADP563C</td>
<td>630.00</td>
<td>9.6</td>
<td>ADP578C</td>
<td>780.00</td>
<td>11.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP534C</td>
<td>340.00</td>
<td>5.1</td>
<td>ADP549C</td>
<td>490.00</td>
<td>7.4</td>
<td>ADP564C</td>
<td>640.00</td>
<td>9.7</td>
<td>ADP579C</td>
<td>790.00</td>
<td>12.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP535C</td>
<td>350.00</td>
<td>5.3</td>
<td>ADP550C</td>
<td>500.00</td>
<td>7.6</td>
<td>ADP565C</td>
<td>650.00</td>
<td>9.9</td>
<td>ADP580C</td>
<td>800.00</td>
<td>12.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP536C</td>
<td>360.00</td>
<td>5.5</td>
<td>ADP551C</td>
<td>510.00</td>
<td>7.7</td>
<td>ADP566C</td>
<td>660.00</td>
<td>10.0</td>
<td>ADP581C</td>
<td>810.00</td>
<td>12.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP537C</td>
<td>370.00</td>
<td>5.6</td>
<td>ADP552C</td>
<td>520.00</td>
<td>7.9</td>
<td>ADP567C</td>
<td>670.00</td>
<td>10.2</td>
<td>ADP582C</td>
<td>820.00</td>
<td>12.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP538C</td>
<td>380.00</td>
<td>5.8</td>
<td>ADP553C</td>
<td>530.00</td>
<td>8.0</td>
<td>ADP568C</td>
<td>680.00</td>
<td>10.3</td>
<td>ADP583C</td>
<td>830.00</td>
<td>12.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP539C</td>
<td>390.00</td>
<td>5.9</td>
<td>ADP554C</td>
<td>540.00</td>
<td>8.2</td>
<td>ADP569C</td>
<td>690.00</td>
<td>10.5</td>
<td>ADP584C</td>
<td>840.00</td>
<td>12.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP540C</td>
<td>400.00</td>
<td>6.1</td>
<td>ADP555C</td>
<td>550.00</td>
<td>8.3</td>
<td>ADP570C</td>
<td>700.00</td>
<td>10.6</td>
<td>ADP585C</td>
<td>850.00</td>
<td>12.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP541C</td>
<td>410.00</td>
<td>6.2</td>
<td>ADP556C</td>
<td>560.00</td>
<td>8.5</td>
<td>ADP571C</td>
<td>710.00</td>
<td>10.8</td>
<td>ADP586C</td>
<td>860.00</td>
<td>13.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP542C</td>
<td>420.00</td>
<td>6.4</td>
<td>ADP557C</td>
<td>570.00</td>
<td>8.6</td>
<td>ADP572C</td>
<td>720.00</td>
<td>10.9</td>
<td>ADP587C</td>
<td>870.00</td>
<td>13.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP543C</td>
<td>430.00</td>
<td>6.5</td>
<td>ADP558C</td>
<td>580.00</td>
<td>8.8</td>
<td>ADP573C</td>
<td>730.00</td>
<td>11.1</td>
<td>ADP588C</td>
<td>880.00</td>
<td>13.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP544C</td>
<td>440.00</td>
<td>6.7</td>
<td>ADP559C</td>
<td>590.00</td>
<td>9.0</td>
<td>ADP574C</td>
<td>740.00</td>
<td>11.2</td>
<td>ADP589C</td>
<td>890.00</td>
<td>13.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXCEPT AS NOTED TOLERANCES SHALL BE:**
1. PLACE MACHINING ±0.3
2. PLACE FABRICATION ±1.5
2. PLACE ± 0.03 GENERAL
   ± 0.03 BETWEEN DOWELS
   ± 0.13 TO SCREW HOLES

**ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.**

©1998 Auto/Steel Partnership

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
DUMP UNIT PIVOT ASSY. THRU SHAFT COMPOSITE BEARINGS
ADP600C SERIES

SHOWN USING ADP600C SERIES THROUGH SHAFTS
NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

NOTE: THIS ONE PIECE THROUGH SHAFT ASSEMBLY IS PREFERRED WHEN A PIVOT ASM. IS 900 MM LONG OR LESS.
A STUB SHAFT ASSEMBLY IS PREFERRED WHEN A PIVOT ASSY. IS OVER 900 MM LONG OR WHEN A ONE PIECE THROUGH SHAFT CANNOT BE REMOVED FOR MAINTENANCE.
# 60 MM THROUGH SHAFTS

**MATERIAL:** 60.000 DIA. T.G.P. & C. S.A.E. 1045

**B28-32 R.C. THRU 0.25 CHROME, 64-70 R.C. 0.20-0.40 MICRO METERS (8-16 MICRO INCHES)**

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

---

### Table: Material Specifications

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>WT. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP630C</td>
<td>300.00</td>
<td>6.5</td>
<td>ADP645C</td>
<td>450.00</td>
<td>9.8</td>
<td>ADP660C</td>
<td>600.00</td>
<td>13.1</td>
<td>ADP675C</td>
<td>750.00</td>
<td>16.4</td>
</tr>
<tr>
<td>ADP631C</td>
<td>310.00</td>
<td>6.8</td>
<td>ADP646C</td>
<td>460.00</td>
<td>10.1</td>
<td>ADP661C</td>
<td>610.00</td>
<td>13.3</td>
<td>ADP676C</td>
<td>760.00</td>
<td>16.6</td>
</tr>
<tr>
<td>ADP632C</td>
<td>320.00</td>
<td>7.0</td>
<td>ADP647C</td>
<td>470.00</td>
<td>10.3</td>
<td>ADP662C</td>
<td>620.00</td>
<td>13.6</td>
<td>ADP677C</td>
<td>770.00</td>
<td>16.8</td>
</tr>
<tr>
<td>ADP633C</td>
<td>330.00</td>
<td>7.2</td>
<td>ADP648C</td>
<td>480.00</td>
<td>10.5</td>
<td>ADP663C</td>
<td>630.00</td>
<td>13.8</td>
<td>ADP678C</td>
<td>780.00</td>
<td>17.1</td>
</tr>
<tr>
<td>ADP634C</td>
<td>340.00</td>
<td>7.4</td>
<td>ADP649C</td>
<td>490.00</td>
<td>10.7</td>
<td>ADP664C</td>
<td>640.00</td>
<td>14.0</td>
<td>ADP679C</td>
<td>790.00</td>
<td>17.3</td>
</tr>
<tr>
<td>ADP635C</td>
<td>350.00</td>
<td>7.6</td>
<td>ADP650C</td>
<td>500.00</td>
<td>10.9</td>
<td>ADP665C</td>
<td>650.00</td>
<td>14.2</td>
<td>ADP680C</td>
<td>800.00</td>
<td>17.5</td>
</tr>
<tr>
<td>ADP636C</td>
<td>360.00</td>
<td>7.9</td>
<td>ADP651C</td>
<td>510.00</td>
<td>11.1</td>
<td>ADP666C</td>
<td>660.00</td>
<td>14.4</td>
<td>ADP681C</td>
<td>810.00</td>
<td>17.7</td>
</tr>
<tr>
<td>ADP637C</td>
<td>370.00</td>
<td>8.1</td>
<td>ADP652C</td>
<td>520.00</td>
<td>11.4</td>
<td>ADP667C</td>
<td>670.00</td>
<td>14.7</td>
<td>ADP682C</td>
<td>820.00</td>
<td>17.9</td>
</tr>
<tr>
<td>ADP638C</td>
<td>380.00</td>
<td>8.3</td>
<td>ADP653C</td>
<td>530.00</td>
<td>11.6</td>
<td>ADP668C</td>
<td>680.00</td>
<td>14.9</td>
<td>ADP683C</td>
<td>830.00</td>
<td>18.2</td>
</tr>
<tr>
<td>ADP639C</td>
<td>390.00</td>
<td>8.5</td>
<td>ADP654C</td>
<td>540.00</td>
<td>11.8</td>
<td>ADP669C</td>
<td>690.00</td>
<td>15.1</td>
<td>ADP684C</td>
<td>840.00</td>
<td>18.4</td>
</tr>
<tr>
<td>ADP640C</td>
<td>400.00</td>
<td>8.7</td>
<td>ADP655C</td>
<td>550.00</td>
<td>12.0</td>
<td>ADP670C</td>
<td>700.00</td>
<td>15.3</td>
<td>ADP685C</td>
<td>850.00</td>
<td>18.6</td>
</tr>
<tr>
<td>ADP641C</td>
<td>410.00</td>
<td>9.0</td>
<td>ADP656C</td>
<td>560.00</td>
<td>12.2</td>
<td>ADP671C</td>
<td>710.00</td>
<td>15.5</td>
<td>ADP686C</td>
<td>860.00</td>
<td>18.8</td>
</tr>
<tr>
<td>ADP642C</td>
<td>420.00</td>
<td>9.2</td>
<td>ADP657C</td>
<td>570.00</td>
<td>12.5</td>
<td>ADP672C</td>
<td>720.00</td>
<td>15.7</td>
<td>ADP687C</td>
<td>870.00</td>
<td>19.0</td>
</tr>
<tr>
<td>ADP643C</td>
<td>430.00</td>
<td>9.4</td>
<td>ADP658C</td>
<td>580.00</td>
<td>12.7</td>
<td>ADP673C</td>
<td>730.00</td>
<td>16.0</td>
<td>ADP688C</td>
<td>880.00</td>
<td>19.3</td>
</tr>
<tr>
<td>ADP644C</td>
<td>440.00</td>
<td>9.6</td>
<td>ADP659C</td>
<td>590.00</td>
<td>12.9</td>
<td>ADP674C</td>
<td>740.00</td>
<td>16.2</td>
<td>ADP689C</td>
<td>890.00</td>
<td>19.5</td>
</tr>
</tbody>
</table>

---

**Except as noted tolerances shall be:**
- 1 PLACE MACHINING ±0.3
- 1 PLACE FABRICATION ±1.5
- 2 PLACE ± 0.03 GENERAL
- ± 0.03 BETWEEN DOWELS
- ± 0.13 TO SCREW HOLES

**All dimensions metric unless otherwise noted.**

**Material:** 60.000 DIA. T.G.P. & C. S.A.E. 1045
- 28-32 R.C. THRU
- 0.25 CHROME, 64-70 R.C.
- 0.20-0.40 MICRO METERS
  (8-16 MICRO INCHES)

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

©1998 Auto/Steel Partnership

This document is Uncontrolled when printed.
NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

LIGHT – MEDIUM DUTY STUB SHAFT APPLICATIONS

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS
EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

NOTE: A STUB SHAFT IS PREFERRED WHEN A PIVOT ASSY. IS OVER 900 MM LONG OR WHEN A ONE PIECE SHAFT CANNOT BE REMOVED FOR MAINTENANCE.

NOTE: THE TAPPED HOLES IN THE STUB SHASFTS ARE FOR REMOVAL.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

©1998 Auto/Steel Partnership This document is Uncontrolled when printed.
NOTE: A STUB SHAFT IS PREFERRED WHEN A PIVOT ASSY. IS OVER 900 MM LONG OR WHEN A ONE PIECE SHAFT CANNOT BE REMOVED FOR MAINTENANCE.

NOTE: THE TAPPED HOLES IN THE STUB SHAFTS ARE FOR REMOVAL.

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ±0.03 GENERAL
±0.03 BETWEEN DOWELS
±0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

MEDIUM – HEAVY DUTY
STUB SHAFT APPLICATIONS
SHOWN USING ADP619SC STUB SHAFT

NOTE: ORDER THE COMPONENTS SEPARATELY AND NOT AS AN ASSEMBLY.

MAXIMUM ALLOWABLE ROUGHNESS SHALL BE:
1 PLACE FINISH DIMENSIONS TO BE 6 MICRONS
2 PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3 PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

ASSEMBLE SHAFT TO BEARING USING LITHIUM GREASE.
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

NOTE: A STUB SHAFT IS PREFERRED WHEN A PIVOT ASSY. IS OVER 900 MM LONG OR WHEN A ONE PIECE SHAFT CANNOT BE REMOVED FOR MAINTENANCE.

NOTE: THE TAPPED HOLES IN THE STUB SHAFTS ARE FOR REMOVAL.
**STUB SHAFTS**

**GLOBAL STANDARD COMPONENTS**

**NAAMS**

Assembly 08/24/07

---

**MATERIAL:** B DIA. X E MM LG.  T.G.P. & C.  S.A.E. 1045

C 28-32 R.C. THRU 0.13 CHROME, 64-70 R.C. 0.20-0.40 MICRO METERS (8-16 MICRO INCHES)

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

---

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>B DIM.</th>
<th>C DIM.</th>
<th>D DIM.</th>
<th>E DIM.</th>
<th>WT. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP413SC</td>
<td>130.00</td>
<td>40.00 +0.000/-0.025</td>
<td>75.0</td>
<td>28.0</td>
<td>140.0</td>
<td>1.68</td>
</tr>
<tr>
<td>ADP515SC</td>
<td>165.00</td>
<td>50.00 +0.000/-0.025</td>
<td>87.0</td>
<td>35.0</td>
<td>175.0</td>
<td>3.08</td>
</tr>
<tr>
<td>ADP619SC</td>
<td>190.00</td>
<td>60.00 +0.000/-0.038</td>
<td>100.00</td>
<td>40.0</td>
<td>200.0</td>
<td>4.90</td>
</tr>
</tbody>
</table>

---

EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
    ± 0.03 BETWEEN DOWELS
    ± 0.13 TO SCREW HOLES

ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

MATERIAL: B DIA. X E MM LG.  T.G.P. & C.  S.A.E. 1045
28-32 R.C. THRU
0.13 CHROME, 64-70 R.C.
0.20-0.40 MICRO METERS (8-16 MICRO INCHES)
C DIA. X 13.0MM LG., S.A.E. 1020 H.R.S.

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
EXCEPT AS NOTED TOLERANCES SHALL BE:
1 PLACE MACHINING ±0.3
1 PLACE FABRICATION ±1.5
2 PLACE ± 0.03 GENERAL
± 0.03 BETWEEN DOWELS
± 0.13 TO SCREW HOLES
ALL DIMENSIONS METRIC UNLESS OTHERWISE NOTED.

STK: 1/8" X 7/8" X 35.0 MM LG. S.A.E. 1018 C.R.S.

SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART
DUMP UNIT PIVOT
BRONZE THRUST WASHER

MATERIAL: BRONZE CDA93200 / S.A.E. 660
SEE PAGE B-1.1 FOR GLOBAL MATERIALS CHART

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM. +0.25/-0.00</th>
<th>B DIM. ±0.25</th>
<th>WT. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP2550B</td>
<td>25.00</td>
<td>50.00</td>
<td>0.07</td>
</tr>
<tr>
<td>ADP4082B</td>
<td>40.00</td>
<td>82.00</td>
<td>0.14</td>
</tr>
<tr>
<td>ADP5095B</td>
<td>50.00</td>
<td>95.00</td>
<td>0.18</td>
</tr>
<tr>
<td>ADP6010B</td>
<td>60.00</td>
<td>108.00</td>
<td>0.32</td>
</tr>
</tbody>
</table>
MATERIAL: REINFORCED TEFLOW COMPOSITE LINER
WITH FIBER REINFORCED EPOXY SHELL
MEETING THE FOLLOWING SPECIFICATIONS:
ASTM D570 (WATER ABSORPTION)
ASTM D635 (FLAMMABILITY)
Maximum P (STATIC) 138 MPa (20,000 psi)
Maximum V (CONTINUOUS) 2.54 m/sec (500 ft/min)
Maximum PV 1.22 MPa m/sec (35,000 psi ft/min)

<table>
<thead>
<tr>
<th>NAAMS CODE</th>
<th>A DIM.</th>
<th>B DIM.</th>
<th>L DIM.</th>
<th>PRESS</th>
<th>RECOM.</th>
<th>RECOM.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>±0.13</td>
<td></td>
<td></td>
<td>FIT</td>
<td>HSG.</td>
<td>SHAFT DIA.</td>
</tr>
<tr>
<td>ADP4050C</td>
<td>40.094</td>
<td>50.064</td>
<td>60</td>
<td>0.064</td>
<td>50.025</td>
<td>40.000</td>
</tr>
<tr>
<td></td>
<td>40.068</td>
<td>50.038</td>
<td></td>
<td>0.013</td>
<td>50.000</td>
<td>39.975</td>
</tr>
<tr>
<td>ADP5060C</td>
<td>50.100</td>
<td>60.064</td>
<td>75</td>
<td>0.064</td>
<td>60.025</td>
<td>50.000</td>
</tr>
<tr>
<td></td>
<td>50.074</td>
<td>60.038</td>
<td></td>
<td>0.013</td>
<td>60.000</td>
<td>49.975</td>
</tr>
<tr>
<td>ADP6070C</td>
<td>60.100</td>
<td>70.064</td>
<td>90</td>
<td>0.064</td>
<td>70.025</td>
<td>60.000</td>
</tr>
<tr>
<td></td>
<td>60.074</td>
<td>70.038</td>
<td></td>
<td>0.013</td>
<td>70.000</td>
<td>59.962</td>
</tr>
</tbody>
</table>
DUMP UNIT PIVOT
STAINLESS STEEL
THRUST WASHER

MATERIAL: STAINLESS STEEL
400 SERIES
0.81 MICRONS (32 MICRO INCH) MAXIMUM
ADL0100
DROP AWAY LEAF

AVAILABLE OPENING ANGLES:
15°, 30°, 45°, 60°, 75°, 90°
ASSEMBLY INCORPORATES SEVERAL COMMERCIAL COMPONENTS. USER IS RESPONSIBLE TO ENSURE ACTUAL COMMERCIAL COMPONENTS SELECTED BY THE USER MEET THE FIT, FORM, AND FUNCTION REQUIRED FOR THE APPLICATION.

<table>
<thead>
<tr>
<th>PIVOT MOTION</th>
<th>VERTICAL</th>
<th>HORIZONTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIED LOAD</td>
<td>23 KG (50.7 LBS)</td>
<td>56 KG (125.5 LBS)</td>
</tr>
<tr>
<td>CENTER OF MASS FROM PIVOT</td>
<td>300 MM (11.8&quot;)</td>
<td></td>
</tr>
<tr>
<td>AIR PRESSURE</td>
<td>4.5 - 5.5 BAR (65.27 - 79.77 PSI)</td>
<td></td>
</tr>
</tbody>
</table>
ADL0100
DROP AWAY LEAF

NOTE: DO NOT USE NAAMS ARS SERIES STACK RISERS

SHOWN WITH 80MM BORE CYLINDER WITH ROD LOCK

© United States Council for Automotive Research (USCAR)

www.naamsstandards.org
This document is Uncontrolled when printed.
N-26.4
STK: STL ANGLE
5" x 5" x 3/4" x 156mm
APPROX wt. 4.37kg

NOTE: ALL DIM'S. ARE METRIC UNLESS OTHERWISE NOTED.
**ADL0003 MOUNTING PLATE**

**GLOBAL STANDARD COMPONENTS**

**STK: SAE1020 HRS**

1-1/2" x 4" x 156mm

APPROX wt. 3.35kg

**METRIC DETAIL TOLERANCES**

**NOTE:** ALTHOUGH DIMENSIONS ARE GIVEN AS WHOLE NUMBERS, THEY ARE TO BE CONSIDERED AS THREE SIGNIFICANT DIGITS UNLESS OTHERWISE SPECIFIED.

**STANDARD TOLERANCES**

1. ALL MEASUREMENTS SHOWN IN MILLIMETERS.

2. SCALE: 2" = 1.000"

3. TOLERANCES OF GEOMETRICALLY PERFECT SURFACES TO BE ±0.01

4. TOLERANCES OF QUANTITATIVE CHARACTERISTICS TO BE ±0.005

**Dowel Holes**

- **H6**
- **10**
- **15 DEEP**
- **12 HOLE NEAR & FARSIDE INLINE**

**Dimensions:**

- **30.00**
- **15.00**
- **150.00**
- **40.00**
- **70.00**

**Surfaces to be flat & parallel within T.I.R. 0.02**

**Surfaces grind flat & parallel with 0.13 T.I.R.**

**H10 X 1.5-20 DEEP**

**21 HOLES NEAR & FARSIDE INLINE**

**∅ 13.5 141 HOLES**

**∅ 10.0**

**(2) Holes**

**∅ 10.0 F7**

**+ NOTE:** ALL DIM.'S. ARE METRIC UNLESS OTHERWISE NOTED.
STK: ASTM A36
3/4" x 5" x 250mm
APPROX wt. 1.80kg

METRIC DETAIL TOLERANCES

NOTE:

UNLESS OTHERWISE NOTED:

PERM. TOLERANCES ACCEPTED OF ALL:

1. PLACE FINISH DIMENSIONS TO BE ± 0.005 INCHES
2. PLACE FINISH DIMENSIONS TO BE ± 0.002 INCHES
3. PLACE FINISH DIMENSIONS TO BE ± 0.001 INCHES

EXCEPT AS NOTED TOLERANCES SHALL BE:

1. PLACE MACHINING ±0.3
2. PLACE FABRICATION ±1.5
3. PLACE 0.00 between MACHINED SURFACES
4. PLACE 0.01 between TAPPED SURFACES
5. PLACE 0.01 between PLANE SURFACES
6. PLACE 0.02 between PLANES
7. PLACE 0.02 between HOLES in DIFFERENT PLANES
8. ±0.005 axial tolerance, non-accumulative

Dowel hole tolerances:

Dowel Tolerance (HD)

For quick fit use F7

ALL MACHINED SURFACES MUST BE FINISHED EXCEPT FOR COOL DRAWN OR COOL KILLED SURFACES.

*NOTE: ALL DIM. ARE METRIC UNLESS OTHERWISE NOTED.
GLOBAL STANDARD COMPONENTS

STK: ASTM A36
1-1/4" x 308mm x 523mm
APPROX wt. 14.18kg

METRIC DETAIL TOLERANCES

NOTE:
UNLESS OTHERWISE SPECIFIED
1. ALL MACHINED SURFACES TO BE ±0.008
2. PLATE FINISH DIMENSIONS TO BE ±0.003
3. PLATE FINISH DIMENSIONS TO BE ±0.005

EXCEPT AS NOTED, TOLERANCES SHALL BE:
1. PLANE MACHINING ±0.1
2. PLAIN 10.08 BETWEEN MACHINED SURFACE
3. R0.25 BETWEEN SINGLE DOVER ON PLATE SURFACE
4. R0.25 BETWEEN SINGLE DOVER ON PLATE SURFACE
5. R0.25 BETWEEN SINGLE DOVER ON PLATE SURFACE
6. R0.25 BETWEEN SINGLE DOVER ON PLATE SURFACE
7. ALL SURFACES MUST BE FINISHED EXCEPT FOR YELLOW or GOLD KILLED SURFACES

SURFACES GRIND FLAT & PARALLEL WITHIN 0.13 T.I.R.

© United States Council for Automotive Research (USCAR)      www.naamsstandards.org      This document is Uncontrolled when printed.    N-27.3
ADL0007
LOCK KEEPER

METRIC DETAIL TOLERANCES

NOTE:
UNLESS OTHERWISE SPECIFIED:
1. PLANE FINISH DIMENSIONS TO BE 6.3 MICRONS
2. PLANE FINISH DIMENSIONS TO BE 1.6 MICRONS
3. PLANE FINISH DIMENSIONS TO BE 0.3 MICRONS
EXCEPT AS NOTED TOLERANCES SHALL BE:
1. PLANE FINISHING 6.3
2. PLANE FABRICATION 1.6
3. PLANE FABRICATION 0.3

DOWEL HOLE TOLERANCES FOR PRESS FIT USE H6
FOR SLIP FIT USE F7

NO COLD DRAWN OR COLD FORGED SURFACES

STK: SAE 1020 HRS
3/16" x 1" x 32mm
APPROX wt. 0.03kg

+ NOTE: ALL DIMS. ARE METRIC UNLESS OTHERWISE NOTED.
METRIC DETAIL TOLERANCES

NOTE:

UNLESS OTHERWISE SPECIFIED:
1. PLACE 0.05 TOLERANCES ON ALL:
   1. PLACE FINISHED DIMENSIONS TO BE 6 MICRONS
   2. PLACE FINISHED DIMENSIONS TO BE 3 MICRONS
   3. PLACE FINISHED DIMENSIONS TO BE 1.5 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1. PLACE MACHINING ±0.3
2. PLACE 0.06 BETWEEN MACHINED SURFACES
3. PLACE 0.06 BETWEEN TOLERANCE SURFACES
4. PLACE 0.08 BETWEEN TOLERANCE SURFACES AND PLANE
5. PLACE 0.10 BETWEEN TOLERANCE SURFACES IN DIFFERENT PLANES
6. ±0.135 TO SCREW HOLES, NON-ACCUMULATIVE

DOWEL HOLE TOLERANCES
DOWEL TOLERANCE
FOR TAPER FIT USE ±.005
FOR SQUARE FIT USE ±.015

ALL MACHINING & SURFACES MUST BE FINISHED EXCEPT FOR COOL (DRAWN OR COOL KILLED) SURFACES

STK: SAE 1060
1-1/4" x 2" x 40mm
APPROX wt. 0.35kg

STOP BLOCK
MATERIAL: SAE 1060
STK: 1 1/4" X 2" X 40MM

© United States Council for Automotive Research (USCAR)       www.naamsstandards.org      This document is Uncontrolled when printed.   N-27.5
ADL0011
PIVOT ARM

METRIC DETAIL TOLERANCES

NOTE:
UNLESS OTHERWISE SPECIFIED

1. PLATE FINISH DIMENSIONS TO BE .5 MICRONS
2. PLATE FINISH DIMENSIONS TO BE .25 MICRONS
3. PLATE FINISH DIMENSIONS TO BE .13 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:

1. PLATE MACHINING: -.03
2. PLATE FABRICATION: .15
3. +/- .005 BETWEEN MACHINED SURFACES
4. .25 BETWEEN TOLERANCE PLANES
5. .005 BETWEEN MACHINED SURFACES, PLANE TO PLANE
6. .10 BETWEEN HOLE SIMILAR IN DIFFERENT PLANES
7. .006 TO SCREW HOLES, NON-ACUMULATIVE

DOWEL HOLE TOLERANCES
FOR PREP FIT USE H7

ADL0011 PIVOT ARM
© United States Council for Automotive Research (USCAR)
www.naamsstandards.org
This document is Uncontrolled when printed.
STK: ASTM A36
3/4" x 5" x 250mm
APPROX wt. 1.80kg

METRIC DETAIL TOLERANCES

NOTE:
UNLESS OTHERWISE SPECIFIED
1. PLACE MACHINING +0.3
2. PLACE +0.06 BETWEEN MACHINED SURFACES
3. PLACE +0.06 BETWEEN MACHINED SURFACE AND KNEE PLANE
4. PLACE +0.06 BETWEEN MACHINED SURFACE AND OTHER PLANES
5. PLACE +0.10 BETWEEN DOWELS IN DIFFERENT PLANES
6. PLACE +0.10 BETWEEN DOWELS IN SAME PLANE

Dowel Hole Tolerances
FOR PRECISE TOLERANCES USE F7
FOR QUICK FIT USE F7

ALL MACHINED SURFACES MUST BE FINISHED EXCEPT FOR COOL DRAWN OR COOL ROLLED SURFACES

STAMP 60° & 90° ON EDGE NEAR DOWEL
STAMP 15°, 45° & 75° ON EDGE NEAR DOWEL

NOTE: ALL DIM’S. ARE METRIC UNLESS OTHERWISE NOTED.
NOTE: ALL DIM'S. ARE METRIC UNLESS OTHERWISE NOTED.

STK: SAE 1020 HRS
2-3/8" DIA x 3mm
APPROX wt. 0.06kg

M/m DETAIL TOLERANCES

NOTE: UNLESS OTHERWISE SPECIFIED

STK: SAE 1020 HRS
2-3/8" DIA x 3mm
APPROX wt. 0.06kg
ADL0014
SHOCK BLOCK

NOTE:

ALL DIM’S. ARE METRIC UNLESS OTHERWISE NOTED.

STK: SAE 1060 HRS
1-3/4" x 2-1/2" x 65mm
APPROX wt. 0.82kg

Metric Detail Tolerances

Unless otherwise specified,
1. Place finish dimensions to be ±0.0005 in.
2. Place finish dimensions to be ±0.0003 in.
3. Place finish dimensions to be ±0.0002 in.

EXCEPT AS NOTED, TOLERANCES SHALL BE:
1. PLACE MACHINING ±0.3
2. PLACE ±0.0005 BETWEEN MACHINED SURFACES
3. PLACE ±0.0005 BETWEEN FACES, PARALLEL SURFACE
4. PLACE ±0.0005 BETWEEN PARALLEL SURFACES
5. PLACE ±0.0005 BETWEEN DIAMETERS IN DIFFERENT PLANES
6. ±0.005 IN SPACING HOLE, NON ACCUMULATIVE

Allmachined surfaces must be finished except for cold drawn or cold rolled surfaces.

© United States Council for Automotive Research (USCAR) www.naamsstandards.org This document is Uncontrolled when printed. N-27.10
STK: SAE 4140 HRS
4" DIA x 100.0mm
APPROX wt. 2.30kg

ADL0016
PIVOT HUB

NOTE:
ALL DIM’S. ARE METRIC UNLESS OTHERWISE NOTED.

© United States Council for Automotive Research (USCAR)  www.naamsstandards.org  This document is Uncontrolled when printed.  N-27.12
STK: SAE 1020 HRS
1/4" x 1-3/4" x 90mm
APPROX wt. 0.20kg

NOTE: ALL DIM’S. ARE METRIC
UNLESS OTHERWISE NOTED.
METRIC DETAIL TOLERANCES

NOTE:
UNLESS OTHERWISE SPECIFIED:
1 PLATE FINISH DIMENSIONS TO BE ± .003 MDMONS
2 PLACE ± .004 BETWEEN MACHINED SURFACES
3 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
4 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE SURFACE
5 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE SURFACE
6 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
7 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
8 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
9 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE

Dowel HOLE TOLERANCES:
10 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
11 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
12 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
13 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE

Dowel TOLERANCE:
14 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
15 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
16 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
17 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
18 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE
19 PLACE ± .005 BETWEEN TANGLE DOWEL HOLE PLANE

ALL MACHINED SURFACES MUST BE FINISHED EXCEPT FOR COIL DRAWN OR COIL KILLED SURFACES.

STK: SAE 1018 CRS
1/8" x 3/4" x 19mm
APPROX wt. 0.01kg

NOTE: ALL DIM'S. ARE METRIC UNLESS OTHERWISE NOTED.

© United States Council for Automotive Research (USCAR)  www.naamsstandards.org  This document is Uncontrolled when printed. N-27.14
NOTE:

UNLESS OTHERWISE SPECIFIED:
1. PLAN FINISH DIMENSIONS TO BE ± 0.002 IN.
2. PLAN FINISH DIMENSIONS TO BE ± 0.0005 IN.
3. PLAN FINISH DIMENSIONS TO BE ± 0.00025 IN.
EXCEPT AS NOTED TOLERANCES SHALL BE:

1. PLAIN MACHINING ± 0.001
2. PLAIN ± 0.0005 BETWEEN MACHINED SURFACES
3. BETWEEN TOWARDS DOWEL CENTERLINES
4.-between TOWARDS DOWEL CENTERLINES)
5. between TOWARDS DOWEL CENTERLINES)
6. BETWEEN DOWELs IN DIFFERENT PLANES
7. BETWEEN DOWELs IN DIFFERENT PLANES
8. between TOWARDS DOWEL CENTERLINES)
9. BETWEEN DOWELs IN DIFFERENT PLANES
10. BETWEEN DOWELs IN DIFFERENT PLANES

DOWEL HOLE TOLERANCES

FOR PRESS FIT USE H7

FOR SNAP FIT USE J7

ALL MACHINED SURFACES MUST BE FINISHED EXCEPT FOR COLD DRAWN OR COLD ROLLED SURFACES.

* NOTE: ALL DIM’S. ARE METRIC UNLESS OTHERWISE NOTED.
ADL0022
THRUST WASHER

GLOBAL STANDARD COMPONENTS

NOTE:
UNLESS OTHERWISE SPECIFIED:
1) PLACE FINISH DIMENSIONS TO BE 5 MICRONS
2) PLACE FINISH DIMENSIONS TO BE 3 MICRONS
3) PLACE FINISH DIMENSIONS TO BE 1.6 MICRONS

EXCEPT AS NOTED TOLERANCES SHALL BE:
1) PLACE MACHINING: ±0.3
2) PLACE FABRICATION: ±0.5
3) PLACE ±0.08 BETWEEN MACHINED SURFACES
4) PLACE ±0.01 BETWEEN TUMBLE DOWEL SURFACE
5) PLACE ±0.01 BETWEEN HOLE DRILL SURFACE
6) PLACE ±0.01 BETWEEN HOLE DOWEL PLANES
7) ±0.00 BETWEEN DOWELS IN DIFFERENT PLANES
8) ±0.0005 TO SCREW HOLES, NON-ACCUMULATIVE

Dowel hole tolerances: ±0.001 for slip-fit use ±0.002

All machining & surfaces must be finished except for cold drawn or cold rolled surfaces.

STK: CDA93200/SAE 660 BRONZE
1-3/4" Dia x 4.0mm
APPROX wt. 0.03kg

Φ 20.00  +0.25
-0.00

FACE NEAR AND FAR SURFACE TO 0.81 MICRONS 132 MICRO INCH MAXIMUM

3.00 +0.03
-0.03

1.6 X 45° CHAMFER ONE SIDE ONLY

NO CHAMFER THIS SIDE

+ NOTE: ALL DIM'S. ARE METRIC UNLESS OTHERWISE NOTED.
<table>
<thead>
<tr>
<th>CUSTOMER DETAIL NO.</th>
<th>SUPPLIER DETAIL NO.</th>
<th>NAME</th>
<th>MATERIAL</th>
<th>ONE MAKES TWO</th>
<th>CUT TO LAYOUT</th>
<th>UNIT NO.</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASP350</td>
<td></td>
<td>2 SPACER</td>
<td>STD</td>
<td>NAAMS</td>
<td>2</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>ASA9000</td>
<td></td>
<td>2 SWITCH ADAPTER</td>
<td>STD</td>
<td>NAAMS</td>
<td>2</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>ACL0505</td>
<td></td>
<td>2 CLEVIS PIN</td>
<td>STD</td>
<td>NAAMS</td>
<td>1</td>
<td>1</td>
<td>M</td>
</tr>
<tr>
<td>ACL0512</td>
<td></td>
<td>6 BEARING</td>
<td>STD</td>
<td>NAAMS</td>
<td>2</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>ACL0516</td>
<td></td>
<td>6 BEARING</td>
<td>STD</td>
<td>NAAMS 20 ID X 30 OD X 20 LG</td>
<td>1</td>
<td>1</td>
<td>P</td>
</tr>
<tr>
<td>ACL0512</td>
<td></td>
<td>6 BEARING</td>
<td>STD</td>
<td>NAAMS 25 ID X 35 OD X 25 LG</td>
<td>2</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>ADP2550B</td>
<td></td>
<td>6 THRUST WASHER</td>
<td>STD</td>
<td>NAAMS</td>
<td>2</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>ADP700</td>
<td></td>
<td>1 THRUST WASHER</td>
<td>S.S.</td>
<td>NAAMS 29 ID X 50 OD X 2MM THK</td>
<td>4</td>
<td>4</td>
<td>P</td>
</tr>
<tr>
<td>ADL0001</td>
<td></td>
<td>1 ANGLE BRACKET</td>
<td>STL. ANGLE 5&quot; X 5&quot; X 3/4&quot; X 156MM</td>
<td>1</td>
<td>1</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>ADL0003</td>
<td></td>
<td>1 MOUNTING PLATE</td>
<td>1020 HRS 1 1/2&quot; X 4&quot; X 156MM</td>
<td>1</td>
<td>1</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

**Drop Away Leaf Assembly - 80mm Bore**

**File:** NAAMS_drp_awa_if_asm_UNIT_BOM.XLSM  **Rev:** 9/6/2012  **N:** 28
## Unit B.O.M.

**Tool No.:** ADL100

### Drop Away Leaf Assembly - 80mm Bore

<table>
<thead>
<tr>
<th>Customer Detail No.</th>
<th>Supplier Detail No.</th>
<th>Detail Level</th>
<th>S.H.N. On</th>
<th>NAME</th>
<th>Material</th>
<th>Specifications and/or</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL0005</td>
<td></td>
<td>1</td>
<td></td>
<td>ARM</td>
<td>ASTM A36</td>
<td>3/4&quot; X 5&quot; X 250MM</td>
</tr>
<tr>
<td>ADL0006</td>
<td></td>
<td>1</td>
<td></td>
<td>PLATE</td>
<td>ASTM A36</td>
<td>1 1/4 X 308MM X 523MM</td>
</tr>
<tr>
<td>ADL0007</td>
<td></td>
<td>1</td>
<td></td>
<td>LOCK KEEPER</td>
<td>1020 HRS</td>
<td>3/16&quot; X 1&quot; X 32MM</td>
</tr>
<tr>
<td>ADL0008</td>
<td></td>
<td>1</td>
<td></td>
<td>STOP BLOCK</td>
<td>1060 HRS</td>
<td>1 1/4&quot; X 2&quot; X 40MM</td>
</tr>
<tr>
<td>ADL0009</td>
<td></td>
<td>2</td>
<td></td>
<td>TRUNNION OFFSET</td>
<td>1020 HRS</td>
<td>3&quot; X DIA. X 50MM</td>
</tr>
<tr>
<td>ADL0011</td>
<td></td>
<td>2</td>
<td></td>
<td>PIVOT ARM</td>
<td>ASTM A36</td>
<td>1&quot; X 7&quot; X 250MM</td>
</tr>
<tr>
<td>ADL0012</td>
<td></td>
<td>1</td>
<td></td>
<td>ARM</td>
<td>ASTM A36</td>
<td>3/4&quot; X 5&quot; X 250MM</td>
</tr>
<tr>
<td>ADL0013</td>
<td></td>
<td>2</td>
<td></td>
<td>COVER</td>
<td>1020 HRS</td>
<td>2 3/8&quot; DIA. X 3MM LG.</td>
</tr>
<tr>
<td>ADL0014</td>
<td></td>
<td>2</td>
<td></td>
<td>SHOCK BLOCK</td>
<td>1060 HRS</td>
<td>1 3/4&quot; X 2 1/2&quot; X 65MM</td>
</tr>
<tr>
<td>ADL0015</td>
<td></td>
<td>2</td>
<td></td>
<td>CLEVIS</td>
<td>4140 HRS</td>
<td>1 1/2&quot; X 1 3/4&quot; X 100MM</td>
</tr>
</tbody>
</table>

**Source Legend:**
- **X:** Make Item
- **P:** Purchase Item
- **AP:** Approval required for substitution
- **M/P:** Make Item containing Purchase Item(s)
- **F:** Furnished by customer
- **NC:** Numerical controlled machining

**File:** NAAMS_drp_awa_if_asm_UNIT_BOM.XLSM  **Rev. Date:** 9/6/2012  **N-28.1**
### Description

**DROP AWAY LEAF ASSEMBLY - 80MM BORE**

### Unit B.O.M.

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>NAAMS</th>
<th>PROGRAM</th>
<th>DESIGN SOURCE</th>
<th>NAAMS</th>
<th>BUILD SOURCE</th>
<th>NAME</th>
<th>MATERIAL</th>
<th>OPP.</th>
<th>SHN.</th>
<th>SHN.</th>
<th>SOURCE</th>
<th>DATE RELEASED / APPROVED</th>
<th>SERVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ADL0016</td>
<td>PIVOT HUB</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ADL0018</td>
<td>SWITCH MTG. BRACKET</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ADL0020</td>
<td>KEEPER</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ADL0021</td>
<td>COVER</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ADL0022</td>
<td>THRUST WASHER</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DIA 10 X 30MM LG.</td>
<td>PULL DOWEL</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DIA 10 X 40MM LG</td>
<td>PULL DOWEL</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DIA 12 X 120MM LG</td>
<td>PULL DOWEL</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M6 X 1.0 x 12MM LG.</td>
<td>S.H.C.S.</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M6x1.0 X 20MM LG.</td>
<td>S.H.C.S.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>P</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### File Information

- **File**: NAAMS_drp_awa_if_asm_UNIT_BOM.XLSM
- **Rev. Date**: 9/6/2012
- **N**: 28.2
## NAAMS ADL100

### S.H.C.S. STD F010614
- **Description:** M10x1.5 X 120MM LG.
- **Material:** S.H.C.S. STD
- **Specification:** F010614
- **Revision Level:** 2
- **Source:** P

### S.H.C.S. STD F010811
- **Description:** M8x1.25 X 60MM LG.
- **Material:** S.H.C.S. STD
- **Specification:** F010811
- **Revision Level:** 4
- **Source:** P

### S.H.C.S. STD F010818
- **Description:** M8x1.25 X 25MM LG.
- **Material:** S.H.C.S. STD
- **Specification:** F010818
- **Revision Level:** 4
- **Source:** P

### S.H.C.S. STD F011015
- **Description:** M10x1.5 X 45MM LG.
- **Material:** S.H.C.S. STD
- **Specification:** F011015
- **Revision Level:** 4
- **Source:** P

### S.H.C.S. STD F011026B
- **Description:** M10x1.5 X 40MM LG.
- **Material:** S.H.C.S. STD
- **Specification:** F011026B
- **Revision Level:** 3
- **Source:** P