Hydraulic Drive Units

A variety of hydraulic drive unit types/strokes are available to advance and retract the various PULCOM Σ measuring heads.

### Specifications

#### Mainly for Sizing

<table>
<thead>
<tr>
<th>Model</th>
<th>Stroke (mm)</th>
<th>Feature</th>
<th>Position with respect to Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>DU-05D1</td>
<td>50</td>
<td>General purpose, vertically oriented</td>
<td>Below</td>
</tr>
<tr>
<td>DU-05D1</td>
<td>80</td>
<td>General purpose, vertically oriented</td>
<td>Below</td>
</tr>
<tr>
<td>DU-05F-L</td>
<td>50</td>
<td>Compact, horizontally oriented</td>
<td>Below (and right)</td>
</tr>
<tr>
<td>DU-05F-R</td>
<td>50</td>
<td>Compact, horizontally oriented</td>
<td>Below (and left)</td>
</tr>
<tr>
<td>DU-08F-L</td>
<td>80</td>
<td>Compact, horizontally oriented</td>
<td>Below (and right)</td>
</tr>
<tr>
<td>DR-05C</td>
<td>50</td>
<td>Compact, mounted in rear</td>
<td>Before</td>
</tr>
<tr>
<td>DR-08C</td>
<td>80</td>
<td>Compact, mounted in rear</td>
<td>Before</td>
</tr>
<tr>
<td>DR-12C</td>
<td>120</td>
<td>Compact, mounted in rear</td>
<td>Before</td>
</tr>
<tr>
<td>DR-08A-F</td>
<td>80</td>
<td>High rigidity (high load support)</td>
<td>Below</td>
</tr>
<tr>
<td>DR-12A-F</td>
<td>120</td>
<td>High rigidity (high load support)</td>
<td>Below</td>
</tr>
<tr>
<td>DR-08A-H</td>
<td>80</td>
<td>Long life (Cannot be used for run-out measurement)</td>
<td>Below</td>
</tr>
<tr>
<td>DR-12A-H</td>
<td>120</td>
<td>Long life (Cannot be used for run-out measurement)</td>
<td>Below</td>
</tr>
<tr>
<td>DU-16B</td>
<td>Made-to-order</td>
<td>160</td>
<td>Long stroke</td>
</tr>
<tr>
<td>DR-16A</td>
<td>Made-to-order</td>
<td>160</td>
<td>Long stroke</td>
</tr>
<tr>
<td>DW-08</td>
<td>Made-to-order</td>
<td>80</td>
<td>Ultra high rigidity (for large general purpose units)</td>
</tr>
</tbody>
</table>

#### Mainly for End Face Sizing

<table>
<thead>
<tr>
<th>Model</th>
<th>Stroke (mm)</th>
<th>Feature</th>
<th>Position with respect to Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>DU-08C-L</td>
<td>80</td>
<td>General purpose</td>
<td>Below (and right)</td>
</tr>
<tr>
<td>DU-08C-R</td>
<td>80</td>
<td>General purpose</td>
<td>Below (and left)</td>
</tr>
<tr>
<td>DU-08C-M</td>
<td>80</td>
<td>General purpose (with manifold)</td>
<td>Below (center)</td>
</tr>
<tr>
<td>DR-08C-HL</td>
<td>80</td>
<td>High rigidity (for high loads)</td>
<td>Below (horizontally oriented)</td>
</tr>
<tr>
<td>DR-08C-HR</td>
<td>80</td>
<td>High rigidity (for high loads)</td>
<td>Below (horizontally oriented)</td>
</tr>
<tr>
<td>DU-08E-ML</td>
<td>80</td>
<td>Compact (space saving)</td>
<td>Below (horizontally oriented)</td>
</tr>
<tr>
<td>DU-08E-MR</td>
<td>80</td>
<td>Compact (space saving)</td>
<td>Below (horizontally oriented)</td>
</tr>
</tbody>
</table>
Machine Control Gages

Outer Appearance/Dimension Diagram

Cylinder Height: 65 mm

DU-05D1, 08D1

DU-05T-L

DU-05T-R

Cylinder Height: 31 mm

Cylinder Height: 85 mm

DU-05D1 | S | A | B | C | Model
DU-08D1 | 80 | 130 | 182 | 60

DU-05T-L

DU-05T-R

DR-05C, 08C, 12C

DR-08A-H, 12A-H, 08A-F, 12A-F

<table>
<thead>
<tr>
<th>Model</th>
<th>S</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR-05C</td>
<td>50</td>
<td>100</td>
<td>70</td>
<td>200</td>
<td>250</td>
<td>70</td>
</tr>
<tr>
<td>DR-08C</td>
<td>80</td>
<td>130</td>
<td>100</td>
<td>260</td>
<td>340</td>
<td>100</td>
</tr>
<tr>
<td>DR-12C</td>
<td>120</td>
<td>170</td>
<td>140</td>
<td>340</td>
<td>460</td>
<td>140</td>
</tr>
<tr>
<td>DR-08A-H, F</td>
<td>80</td>
<td>130</td>
<td>175</td>
<td>68</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DR-12A-H, F</td>
<td>120</td>
<td>170</td>
<td>215</td>
<td>100</td>
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<td></td>
</tr>
</tbody>
</table>

TOKYO SEIMITSU
Outer Appearance/Dimension Diagram

Large Universal Type

DU-16B

DW-08

End Face Type

DU-08C-L

DU-08C-M

DU-08C-R

4-M8×16 (from rear)

2-PT 1/4

4-M8×2

4-M8×16 (from rear)

4-M8×12 (from rear)

4-M8×12 (from rear)

4-M8×12 (from rear)

4-M8×12 (from rear)

4-M8×12 (from rear)

4-M8×12 (from rear)

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