The Sandvik DA101 is designed to carry and handle a wide range of drill pipe sizes. The DA101 has a flexible, telescopic manipulator arm which enables the operator to add and remove pipe by remote control. The hydraulic manipulator arm is powered through an umbilical hose tethered to the drill.

The compact skid mounted carrier has a removable pipe cassette which can be exchanged to accommodate longer holes or different pipe diameters.

The DA101 improves both safety and productivity by reducing operator fatigue.

### TECHNICAL DATA

| Cassette capacity | 105 pcs, 79 mm (3.1") drill pipe  
|                  | 85 pcs, 89 mm (3.5") drill pipe  
|                  | 53 pcs, 114 mm (4.5") drill pipe  
|                  | 39 pcs, 127 mm (5.0") drill pipe  
|                  | 33 pcs, 150 mm (5.9") drill pipe  
| Drill pipe length | 1.2 - 1.8 m (4-6 ft)  
| Weight of cassette empty | 523 kg (1 150 lbs)  
| Weight without cassette | 2 268 kg (5 000 lbs)  
| Total weight of DA101 with cassette and fully loaded with drill pipe | 5 171 kg (11 400 lbs)  

### POSITIONS
- Telescopic pipe manipulator, reach: 3.9 m (154")
- Pipe manipulator mounted on extendable boom, extension: 1.5 m (60")
- Rotary actuators: 1 x 360°, 2 x 180°

### CONTROLS
- 24 V electric / hydraulic controls
- Tripod mounted with 15 m (50 ft) cable

### HYDRAULICS
- Hydraulic power for manipulator provided through umbilical hose to drill

### ADDITIONAL OPTIONS
- Additional pipe cassettes

### DA101 (PT80) LOADED CASSETTE WEIGHT

<table>
<thead>
<tr>
<th>Pipe size (in / mm)</th>
<th>Qty</th>
<th>Total weight (lbs / kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty pipe tub</td>
<td>_</td>
<td>1 150 / 523</td>
</tr>
<tr>
<td>3.1 / 79</td>
<td>105</td>
<td>6 925 / 3 148</td>
</tr>
<tr>
<td>3.5 / 89</td>
<td>85</td>
<td>6 335 / 2 880</td>
</tr>
<tr>
<td>4.5 / 114</td>
<td>53</td>
<td>6 397 / 2 908</td>
</tr>
<tr>
<td>5.0 / 127</td>
<td>39</td>
<td>5 440 / 2 473</td>
</tr>
<tr>
<td>5.9 / 150</td>
<td>33</td>
<td>5 110 / 2 323</td>
</tr>
</tbody>
</table>

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