RDA CR5 NA Turning Rolls  5 ton set capacity

Red-D-Arc’s RDA CR5 NA turning roll sets feature all-fabricated-steel base construction with wheel brackets that can be manually positioned to accommodate vessels of varying diameters around a constant center-line. Drive motors are inverter-controlled variable-frequency AC-type with fan cooling and are fully enclosed for trouble-free operation. Double reduction worm and wheel gearboxes are used for enhanced durability and extended overhaul intervals. Drive and idler wheel shafts are housed in deep-groove-type roller bearings and gearboxes are of aluminum/bronze construction. Both the drive roll and idler roll have forklift slots built into the frames for easy maneuverability. Control boxes have IP65-rated enclosures and utilize variable-frequency AC-control electrical systems with full UL and CE certification. In addition, all our conventional turning rolls have been tested and certified by UL to establish safe working loads - a first in the weld automation industry.

Specifications

Model: RDA CR5 NA turning roll set (drive and idler)
Load Carrying Capacity, Drive: 2.5 ton maximum
Load Carrying Capacity, Idler: 2.5 ton maximum
Load Carrying Capacity, Set: 5 ton maximum
Rotation Capacity, Drive Roll: 7.5 ton maximum
Wheel Centre Distance: 15.1, 26.9, 38.7, 62.4 in (384, 684, 984, 1584 mm)
Vessel Diameter Capacity: 7.9 in to 137.8 in (200 mm to 3500 mm)
Rotation Speed Range: 5.5 to 59 in/min (140 to 1500 mm/min)
Tire Type: Rubber, A90-95 durometer rating
Wheel Size: 15 in diameter x 3 in wide
Five Function Hand Control: Push Button Pendant, 50 ft control cable (forward/stop/reverse/speed control/emergency stop)
Optional Rotation Speed Foot Control: FT-1VAR-50 (single pedal) with 50 ft control cable
Optional Directional Foot Control: FT-2DIR-50 (double pedal) with 50 ft control cable
Rotation Drive Motor: 0.55 kW with fan cooling
Primary Input Power: 110 V, 1 phase, 60 Hz
Input Current at Rated Load: 6.9 A
Weight, Drive: 1300 lb (590 kg)
Weight, Idler: 1036 lb (470 kg)
Control Box Ingress Protection Rating: IP65
Control Box Electrical Certification: UL508
Loading Capacity Certification: UL2011

Red-D-Arc Welderentals, an Airgas company, rents and sells welding and weld-positioning equipment - around the world.
RDA CR5 NA Turning Rolls

**Drive Roll**

- **B**: 26.9" (684mm)
- **A**: 15.1" (384mm)
- **C**: 38.7" (984mm)
- **D**: 62.4" (1584mm)

<table>
<thead>
<tr>
<th>Vessel Diameter Ranges</th>
<th>Setting</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>7.9&quot; (200mm)</td>
<td>23.6&quot; (600mm)</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>23.6&quot; (600mm)</td>
<td>47.2&quot; (1,200mm)</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>43.3&quot; (1,100mm)</td>
<td>78.7&quot; (2,000mm)</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>78.7&quot; (2,000mm)</td>
<td>137.8&quot; (3,500mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Idler Roll**

- **D**: 62.4" (1,584mm)
- **C**: 38.7" (984mm)
- **B**: 26.9" (684mm)
- **A**: 15.1" (384mm)

<table>
<thead>
<tr>
<th>Vessel Diameter Ranges</th>
<th>Setting</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>7.9&quot; (200mm)</td>
<td>23.6&quot; (600mm)</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>23.6&quot; (600mm)</td>
<td>47.2&quot; (1,200mm)</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>43.3&quot; (1,100mm)</td>
<td>78.7&quot; (2,000mm)</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>78.7&quot; (2,000mm)</td>
<td>137.8&quot; (3,500mm)</td>
<td></td>
</tr>
</tbody>
</table>