

RDA CR500 NA Turning Rolls 500 ton set capacity

Red-D-Arc's RDA CR500 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. Vessel rotation is via a two-motor, two-wheel-drive system which eliminates the need for torque tubes. 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.



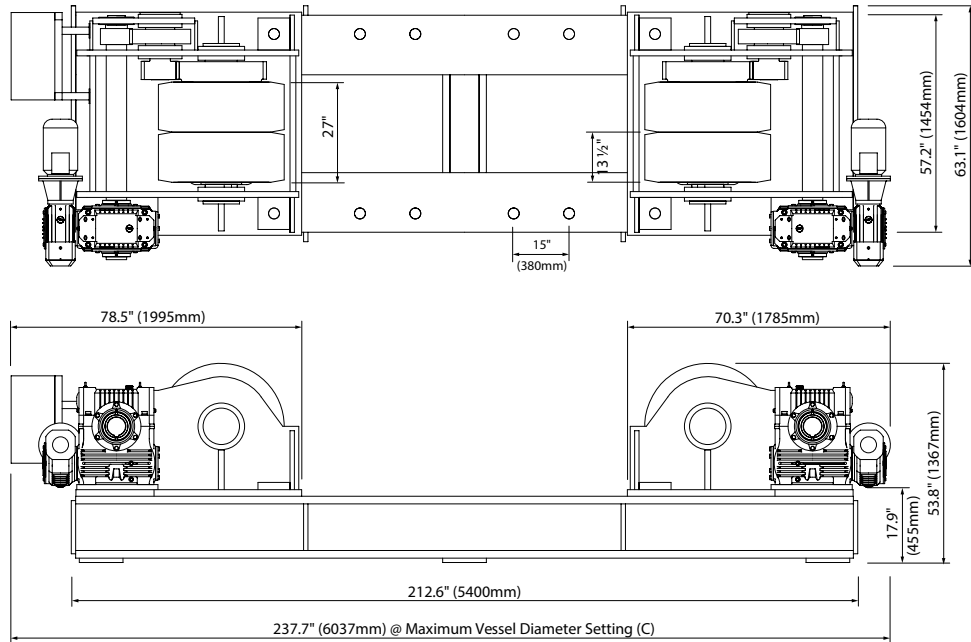
3 year
warranty

Specifications

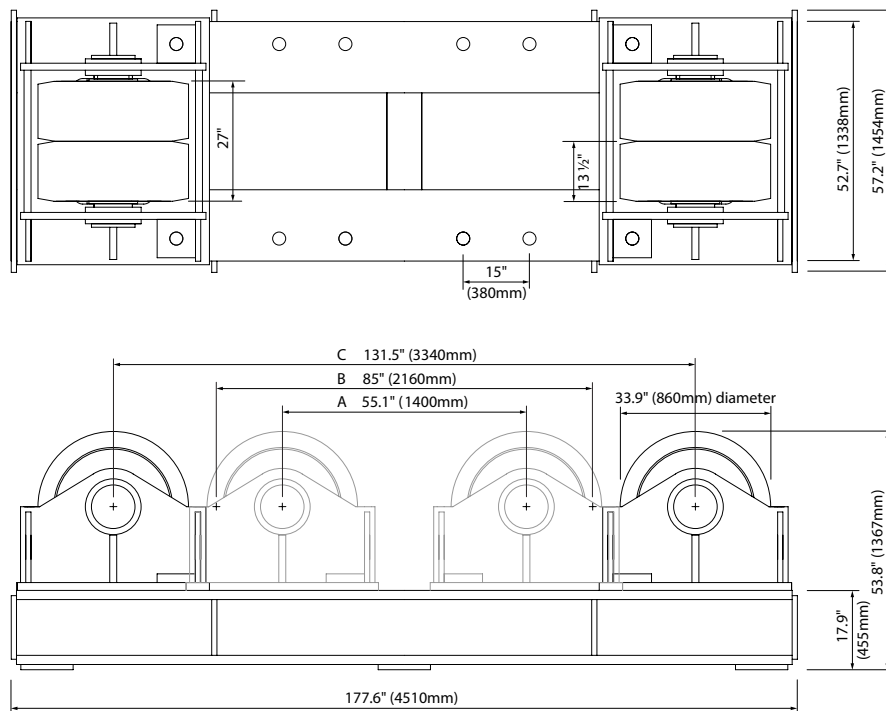
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|---------------------------------------|---|
| Model | RDA CR500 NA turning roll set (drive and idler) |
| Load Carrying Capacity, Drive | 250 ton maximum |
| Load Carrying Capacity, Idler | 250 ton maximum |
| Load Carrying Capacity, Set | 500 ton maximum |
| Rotation Capacity, Drive Roll | 300 ton maximum |
| Wheel Centre Distance | 55.1, 85, 131.5 in (1400, 2160, 3340 mm) |
| Vessel Diameter Capacity | 49.2 in to 295.3 in (1250 mm to 7500 mm) |
| Rotation Speed Range | 3.9 to 41.3 in/min (100 to 1050 mm/min) |
| Tire Type | Polyurethane, A95 durometer rating |
| Wheel Size | 33.9 in diameter x 27 in wide (860mm diameter x 686 mm wide) |
| Five Function Control | Push Button Pendant, 100 ft cable (forward/stop/reverse/speed control/emergency stop) |
| Optional Rotation Speed Foot Control | FT-1VAR-100 (single pedal) with 100 ft control cable |
| Optional Directional Foot Control | FT-2DIR-100 (double pedal) with 100 ft control cable |
| Rotation Drive Motors | 2 x 7.5 kW with fan cooling |
| Primary Input Power | 380 to 480 V, 3 phase, 50/60 Hz (optional 600 V, 3 phase, 60 Hz available) |
| Input Current at Rated Load | 29.9 A |
| Weight, Drive | 30,865 lb (14,000 kg) |
| Weight, Idler | 26,456 lb (12,000 kg) |
| Control Box Ingress Protection Rating | IP65 |
| Control Box Electrical Certification | UL508 |
| Loading Capacity Certification | UL2011 |

Red-D-Arc **Welderrentals**, an Airgas company, rents and sells welding and weld-positioning equipment - around the world.

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Drive Roll



Idler Roll



Vessel Diameter Ranges

| Setting | Minimum | Maximum | Setting | Minimum | Maximum |
|---------|----------------|-----------------|---------|-----------------|-----------------|
| A | 49.2" (1250mm) | 98.4" (2500mm) | C | 169.3" (4300mm) | 295.3" (7500mm) |
| B | 98.4" (2500mm) | 169.3" (4300mm) | | | |