

Specification Data

Self Aligning Rotators

Model : SAR120

Self Aligning Rotators are robustly designed and built to withstand the harsh and rugged environments expected of such applications and permits rollers to align themselves to the work-piece without the need for manual pre-adjustment irrespective of ovality or irregularity. It uses a 520mm diameter 178mm width, replaceable polyurethane tyre mounted onto a cast steel drum for durability and superior traction.

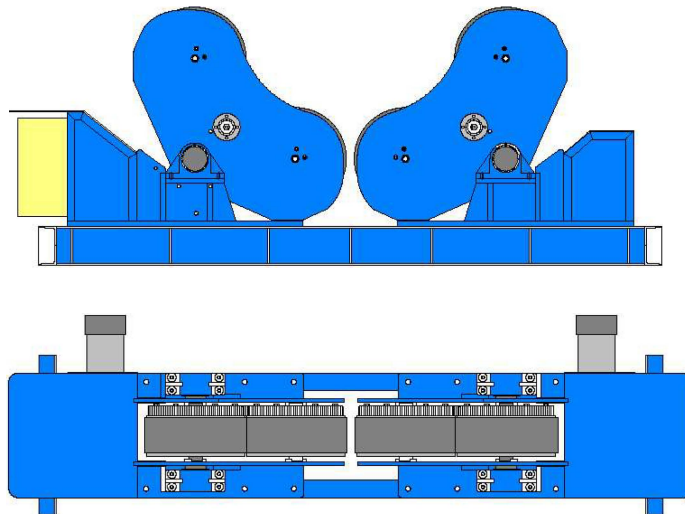
On the powered model both tyres are simultaneously driven by an AC gear motor fitted with inverter control box. A hand held low voltage control pendant on a 10-metre cable provides the operator with a full control of the rotator including a potentiometer for varying the speed, start/stop, forward/reverse and emergency stop.

Special 4800mm base frame length can accommodate vessel diameters ranging from diameter 670mm to 6570mm. Grit blasting to SA 2.5 for all structural steel and polyurethane paintwork will ensure that your investment provides you with many years of uninterrupted use.

The idler roll has the same dimension to match the powered roll.

Power rolls specifications:

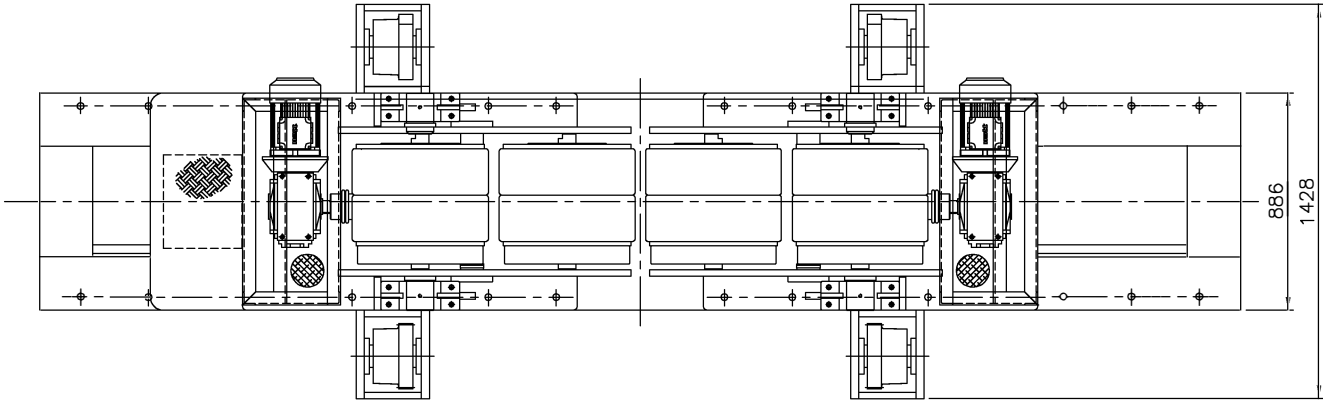
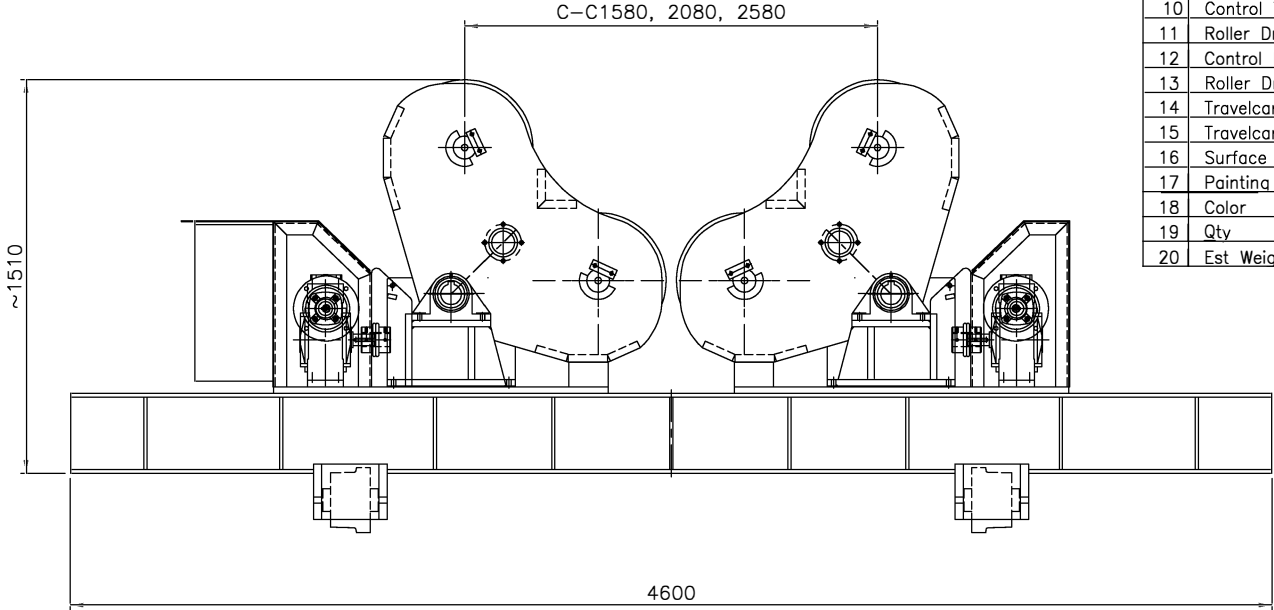
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|------------------|--|
| Model: | SAR120 |
| Load Capacity: | 120 Metric ton (1 power & 1 idler) |
| Turn Capacity: | 250 metric ton (1 power) |
| Roll Speed: | 126 to 1280mm/min |
| Vessel diameter: | Min 670mm at 90 degree to Max 7500mm at 45 degree included angle |
| Center to Center | Base Frame center to center 1580 / 2080 / 2580mm / 3080mm |
| Incoming supply: | 380/415V/3Phase/16Amps/50/60/hz. (Specify input voltage when ordering) |
| AC Inverter: | 20KW inverter system |
| Motor rating: | 10KW x 2 |
| Control voltage: | DC 24 Volt control circuit. |
| Weights: | Drive: 5800 kgs Idler 4000 kgs |



SAR120

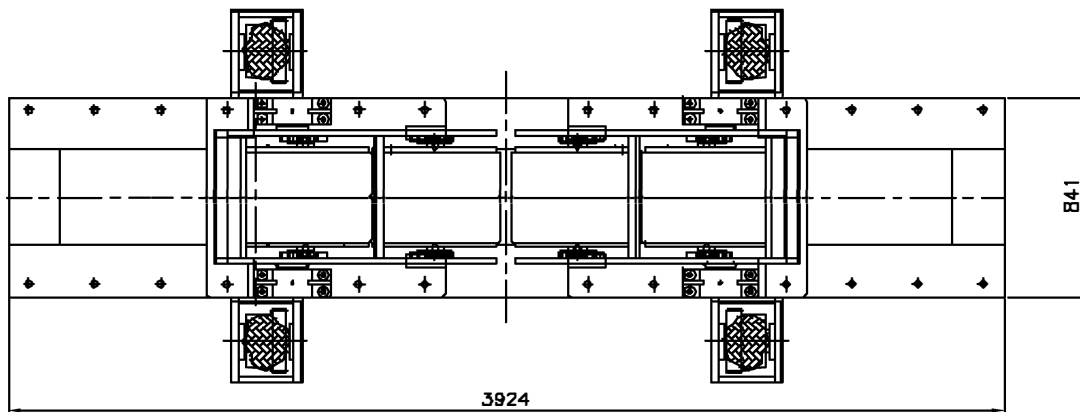
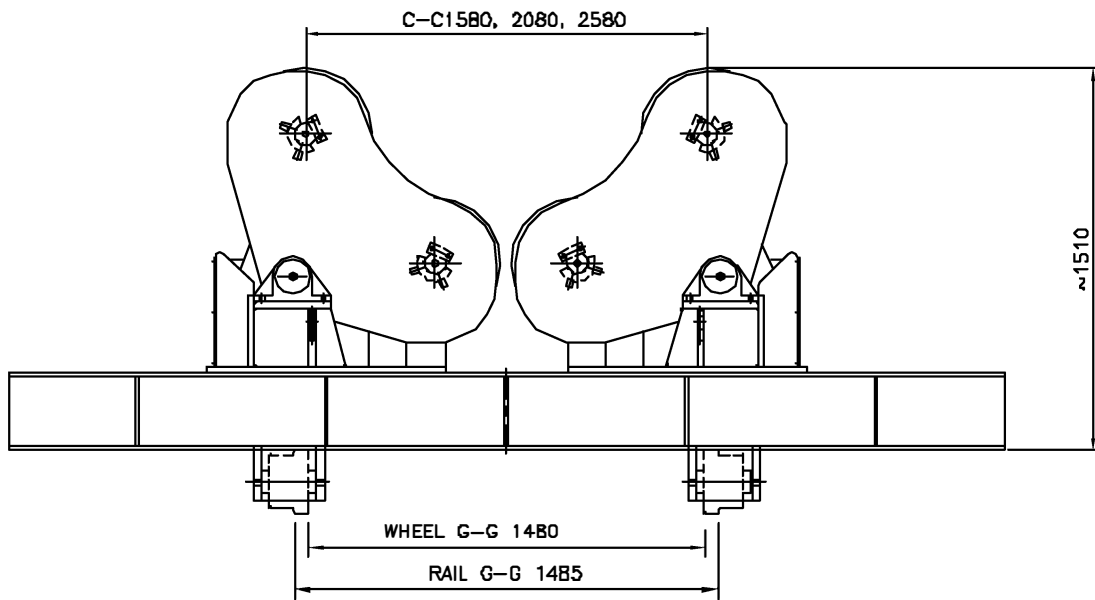
Specification for Rotator

| | | |
|----|----------------------|---|
| 1 | Model | SAR120-DRIVE |
| 2 | Capacity (Loading) | 120TON |
| 3 | Capacity (Turning) | 250TON |
| 4 | Vessel Size (Min.) | ø670 at 90°included angle |
| 5 | Vessel Size (Max.) | ø6570 at 45° included angle |
| 6 | Tire type and Size | Polyurethane ø20.5"x7" |
| 7 | Electrical Panel | No |
| 8 | Roller Speed | N.A. |
| 9 | Incoming Supply | N.A. |
| 10 | Control Voltage | N.A. |
| 11 | Roller Drive Control | N.A. |
| 12 | Control Means | Via Push Button Pendant c/w 10m Cable |
| 13 | Roller Drive Motor | N.A. |
| 14 | Travelcar (Bogie) | N.A. |
| 15 | Travelcar Speed | N.A. |
| 16 | Surface Preparation | Gritblast to SA2.5 |
| 17 | Painting | 2 coats Zinc Phosphate, 1 coat Polyurethane |
| 18 | Color | RAL5015 Blue |
| 19 | Qty | 4 units |
| 20 | Est Weight | 5.8Ton |



ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

| | | | | |
|-----------------|------|----------|---------------------------------|---------------------|
| PROJECT/MODEL : | | | SAR120 | |
| CLIENT : | | | - | |
| DRAWN | NAME | DATE | DWG. NAME : GENERAL ASSEMBLY | SCALE: N.T.S. |
| | Kfhs | 06-06-05 | | |
| APPROVED | | | DWG. NO. : | REVISION: 0 |
| | | | | SHEET NO: 1 OF 1 |



Specification for Rotator

| | | |
|----|----------------------|---|
| 1 | Model | SAR120 - IDLER |
| 2 | Capacity (Loading) | 120 TON |
| 3 | Capacity (Turning) | N.A. |
| 4 | Vessel Size (Min.) | ø570 at 90° included angle |
| 5 | Vessel Size (Max.) | ø6570 at 45° included angle |
| 6 | Tire Type and Size | Polyurethane ø20.5"x7" |
| 7 | Electrical Panel | No |
| 8 | Roller Speed | N.A. |
| 9 | Incoming Supply | N.A. |
| 10 | Control Voltage | N.A. |
| 11 | Roller Drive Control | N.A. |
| 12 | Control Means | N.A. |
| 13 | Roller Drive Motor | N.A. |
| 14 | Travelcar (Bogie) | N.A. |
| 15 | Travelcar Speed | N.A. |
| 16 | Swing Range | N.A. |
| 17 | Swing Speed | N.A. |
| 18 | Surface Preparation | Gritblast to SA2.5 |
| 19 | Painting | 2 coats Zinc Phosphate, 1 coat Polyurethane |
| 20 | Color | RAL5015 Blue |
| 21 | Qty | 4 units |
| 22 | Est Weight | 4.0Ton |

ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

| | | | |
|-----------------|--|---------------------|----------|
| PROJECT/MODEL : | | | |
| DRAWN | | NAME | DATE |
| | | N/A | 01-08-06 |
| APPROVED | | CLIENT : | |
| | | - | |
| | | DWG. NAME : | |
| | | GENERAL ARRANGEMENT | |
| | | REVISION : | |
| | | 0 | |
| | | SHEET NO : | |
| | | 1 OF 1 | |

SIZE: A3