



Specification Data
Conventional Rotators
Capacity: 15/25 Tonnes
MODEL: PR15/25DM

A&N rotators are a robust heavy duty design built to withstand the harsh and rugged environments expected in the world of welding and fabrication requirements. Our proven design uses 457mm diameter 127 width, replaceable hard-wearing polyurethane tyres mounted onto a cast steel drum for maximum durability and superior traction.

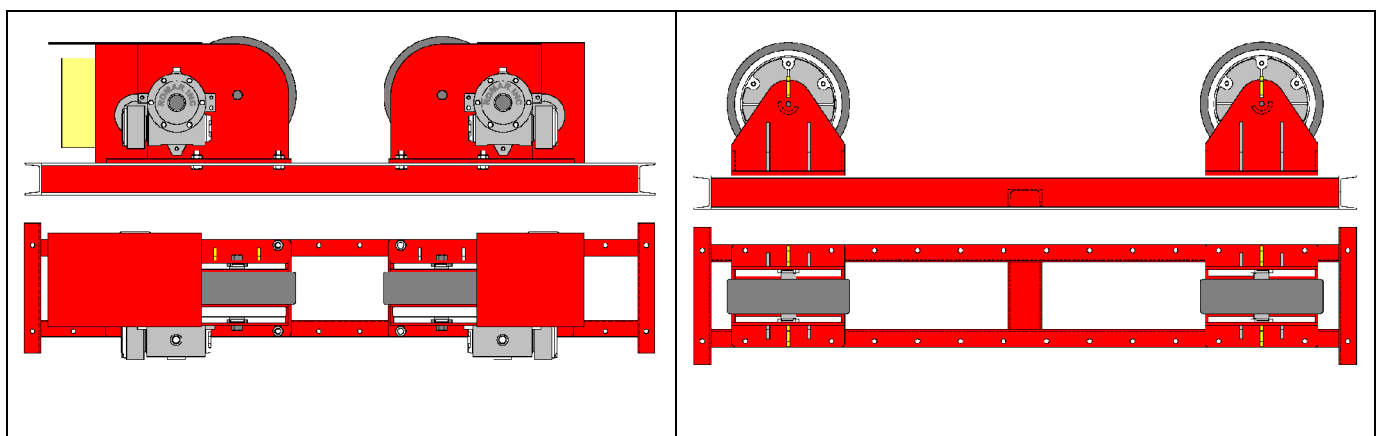
The powered drive unit drives all wheels synchronized using the AC gear motors via the latest inverter control. A hand held low voltage control pendant on a 15-metre cable provides the operator with full control of the rotator including a potentiometer for varying the speed, forward/reverse and stop.

All **A&N** rotators are grit blasted to SA 2.5 for all structural steel and polyurethane paintwork ensuring that your investment provides you with many years of reliable, trouble-free use.

The idler roll has the same dimensions to match the powered drive unit. See GA drawing attached.

Power rolls specifications

Model:	PR 15/25 DM
Load Capacity:	15 Metric ton (1 power & 1 idler)
Rotation Capacity:	25 metric ton (1 power)
Rotation Speed:	130 to 1295mm/min
Vessel diameter:	Min 582mm to Max 4047mm (at 2080mm C-C) @ 55 degree included angle
Incoming supply:	220/240v/single phase/16 amps/50/60/hz.
AC Inverter:	1.5KW inverter system
Motor rating:	0.75KW x 2
Control voltage:	DC 24 Volt control circuit.
Weight:	615Kg Drive 300Kg Idler



..... www.anplant.com

PR15/25DM (15 Tonne)

Standard 15 MT

Guidelines for Vessel Diameter in mm (D)

CC (mm)	Included Angle, α in deg)												
	30	35	40	45	50	55	60	65	70	75	80	85	90
480	1397	1139	946	797	679	582	503	436	380	331	290	253	222
800	2634	2203	1882	1633	1436	1275	1143	1032	938	857	787	727	674
1120	3870	3267	2817	2470	2193	1968	1783	1627	1495	1383	1285	1201	
1440	5107	4332	3753	3306	2950	2661	2423	2223	2053	1908			
1760	6343	5396	4689	4142	3707	3354	3063	2818	2611	2434			
2080	7579	6460	5624	4978	4464	4047	3703	3414					

Vessel Clearance from Skid in mm (C)

CC (mm)	Included Angle, α in deg)												
	30	35	40	45	50	55	60	65	70	75	80	85	90
480	463	458	453	447	442	436	431	425	419	414	408	402	396
800	442	433	424	415	406	397	388	378	369	359	349	339	329
1120	421	409	396	384	371	358	345	332	318	305	291	277	
1440	400	384	368	352	335	319	302	285	268	251			
1760	379	360	340	320	300	280	259	239	218	196			
2080	358	335	312	288	264	241	216	192					

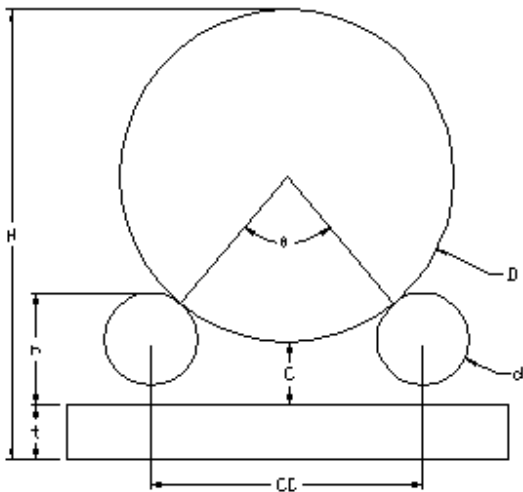
Overall Vessel Height in mm (H)

CC (mm)	Included Angle: α deg)												
	30	35	40	45	50	55	60	65	70	75	80	85	90
480	1986	1722	1524	1369	1245	1144	1058	986	924	870	822	780	742
800	3201	2762	2431	2174	1967	1797	1656	1535	1431	1341	1262	1191	1128
1120	4416	3801	3339	2978	2689	2451	2253	2084	1939	1813	1701	1603	
1440	5632	4841	4246	3782	3411	3105	2850	2633	2446	2284			
1760	6847	5880	5154	4587	4132	3759	3447	3182	2954	2755			
2080	8062	6920	6061	5391	4854	4413	4044	3731					

Note:

1. This chart is applicable to A&N ROTATOR using diameter 457mm (18") tyres.
2. Recommended Included Angle should **always** be greater than 45-degree unless vessel is true concentric.
3. Shaded portion is not recommended

..... www.anplant.com



Roller Dia. (d) = 457.2 mm
 Roller Ht. from Skid (h) = 495 mm
 Skid Ht. (t) = 125 mm

Ordering Information and system checklist

Equipment	Part Number	Description
Rotator	PR15/25DM	15 metric ton loading capacity / 25 metric ton turning capacity
Built-in with	EA-	3-phase AC motor, Pendant control with 15m cable.
Base Frame Length Center to Center	2080-	Base frame maximum center to center distance 2080mm(C-C)

Optional item

Devices	AC- ACM- Y-	Anti-creep device manual Anti-creep device motorized Lead-screw type C-C adjustment
Travel car	TC- TCM-	Travel car Manual Travel car Motorized

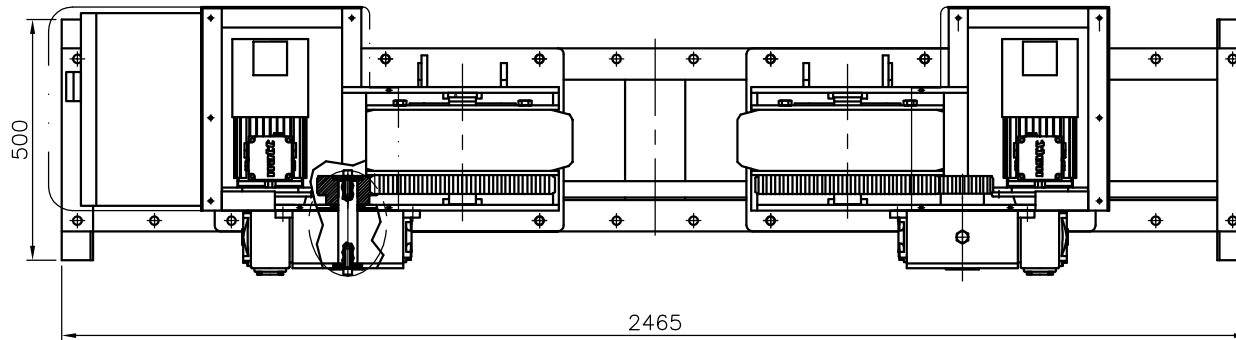
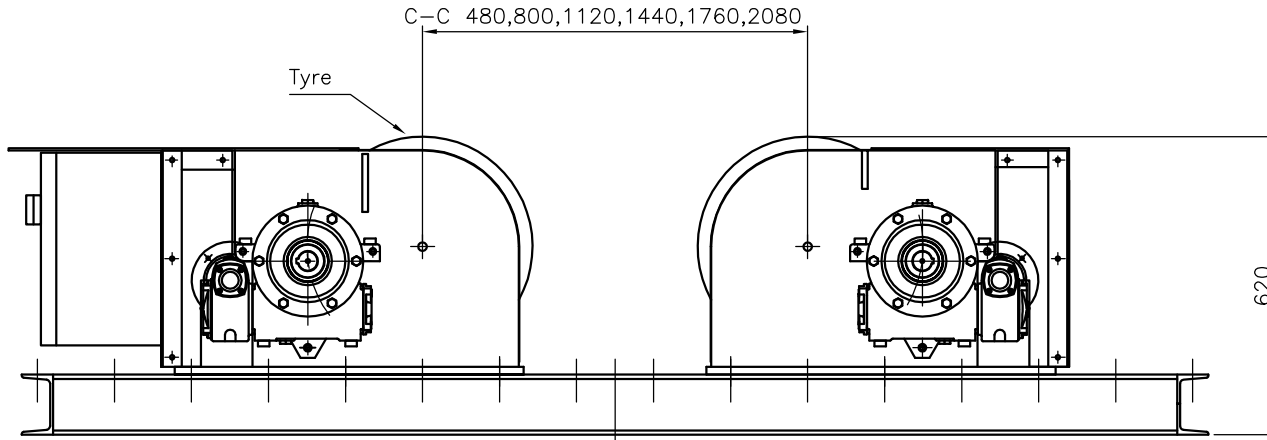
We reserve the right to alter specifications without prior notice

..... www.anplant.com


PR15/25DM (15 Tonne)

Specification for Rotator

1	Model	PR15/25DM-EA-2080
2	Capacity (Loading)	7.5 metric tons
3	Capacity (Turning)	25 metric tons
4	Vessel Size (Min.)	Ø222mm at 90° Included Angle
5	Vessel Size (Max.)	Ø7578mm at 30° Included Angle Ø4977mm at 45° Included Angle Ø3701mm at 60° Included Angle
6	Tyre Type and Size	Polyurethane, Ø18"x5"
7	Electrical Panel	Yes
8	Roller Speed	114 to 1137mm/min at 5 to 50Hz
9	Incoming Supply	220/240V-1P-50/60Hz, 16 Amps
10	Control Voltage	24Vac
11	Roller Drive Control	1x 1.5kW AC Inverter
12	Control Means	Via Push Button Pendant c/w 10m Cable
13	Roller Drive Motor	2 x AC 0.75KW c/w Force Cooling
14	Travelcar (Boogie)	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	RAL 3003 Red
19	Qty	1 unit
20	Est. Weight	545 KG



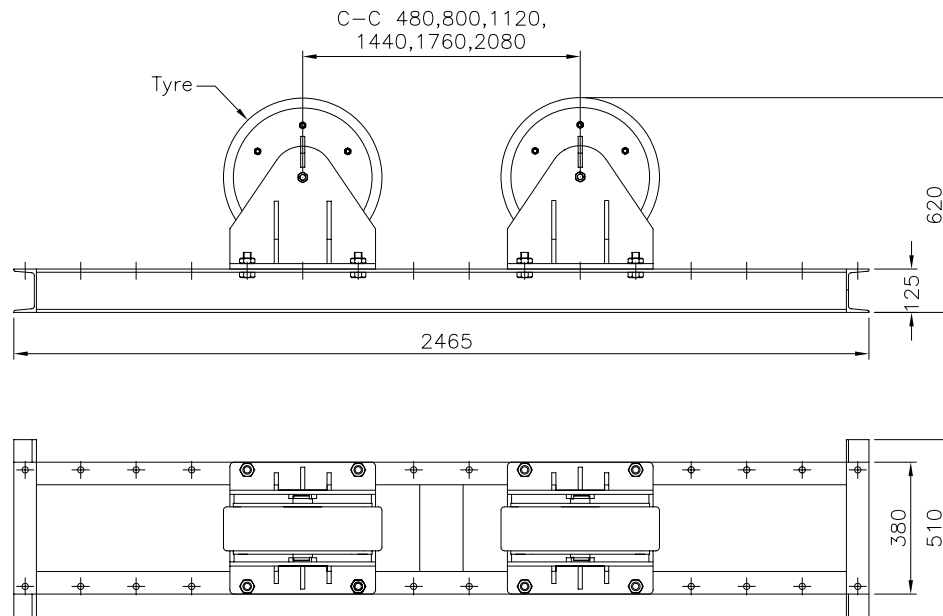
ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

 A&N PLANT <small>ROTATORS - COLUMN BOGIES - PORTERS</small>		PROJECT/MODEL :		PR15/25DM-EA-2080
		CLIENT :		
DRAWN	NAME	DATE	DWG. NAME : ROTATOR GENERAL ARRANGEMENT	
	Terry	10-08-08		
APPROVED			DWG. NO. : SD-PR15/25DM-EA-2080	
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREOF ARE THE SOLE PROPERTY OF R.P.E. PTE. LTD. SINGAPORE				

SCALE:
N.T.S.
REVISION:
0
SHEET NO:
1 OF 1

Specification for Rotator

1	Model	IR15-2080
2	Capacity (Loading)	7.5 metric tons
3	Capacity (Turning)	N.A
4	Vessel Size (Min.)	ø582mm at 90° Included Angle
5	Vessel Size (Max.)	ø7579mm at 30° Included Angle ø4978mm at 45° Included Angle ø3703mm at 60° Included Angle
6	Tyre Type and Size	Polyurethane, ø18"x5"
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	Surface Preparation	Gritblast to SA2.5
17	Painting	2 coats Zinc Phosphate, 1 coat Polyurethane
18	Color	RAL 3003 Red
19	Qty	T.B.A



ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

A&N PLANT <small>ROTATORS - COLUMN BOOMS - POSTERS</small>		PROJECT/MODEL :		IR15-2080
		CLIENT :		
DRAWN	NAME	DATE	DWG. NAME : ROTATOR GENERAL ARRANGEMENT	
	Kris	08-04-05		
APPROVED			DWG. NO. : SD-IR15-2080	
			SCALE: N.T.S.	
			REVISION: 0	
			SHEET NO: 1 OF 1	
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREOF ARE THE SOLE PROPERTY OF R.P.E. PTE. LTD. SINGAPORE				