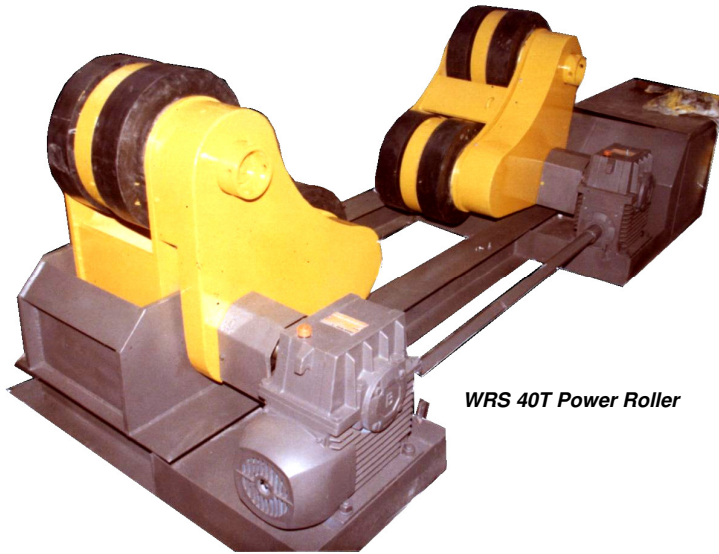
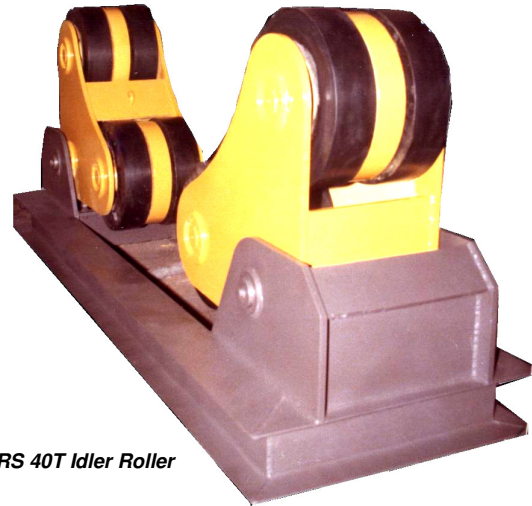


Self Aligning Turning Rollers

Weltron Self-Aligning Roller Beds are widely used to facilitate the welding and assembly of pipes, tanks, drums and pressure vessels of all types. In steel plate fabrication, Self-aligning roller beds are now a common production equipment to increase productivity of welding and fabricating of cylindrical workpiece. The roller bed adjusts itself automatically to take any circular workpiece ranging from 500mm to 7500mm in diameter.



WRS 40T Power Roller



WRS 40T Idler Roller

Special Features

- Self-Aligning Turning Rollers adjust themselves to the actual workpiece diameter within the specified diameter range which implies there is no need for roller shifting and change of drive shafts.
- Each set of rollers consists of a boggie with two rows of rollers. Both the powered and idler unit has two boggies. On the powered unit, both boggies are driven via two gear reducers connected by a shaft and a DC motor. The turning torque is applied at four points as compared to one or two on a conventional turning roller unit.
- The additional rollers on the self-aligning type turning rollers means that the surface impact on a shell is minimized making it ideal for the handling of thin plate shells.
- Idler steel rollers are used in between the rubber rollers thus making use of the best advantage of the load bearing capability of steel roller and traction grip of rubber rollers. As the steel rollers are idle, scratching on the surface of shell during turning operation is prevented.
- The powered rollers need to be disconnected manually when loading a workpiece in order not to damage the transmission chain in the boggie.

Technical Specifications

Model		WRS 10T	WRS 20T	WRS 40T	WRS 60T	WRS 80T	WRS 100T	WRS 150T	WRS 200T
Turning Capacity		10 Ton	20 Ton	40 Ton	60 Ton	80 Ton	100 Ton	150 Ton	200 Ton
Maximum Load	Power Roller	5 Ton	10 Ton	20 Ton	30 Ton	40 Ton	50 Ton	75 Ton	100 Ton
	Idler Roller	5 Ton	10 Ton	20 Ton	30 Ton	40 Ton	50 Ton	75 Ton	100 Ton
Rubber Roller	Diameter	350 mm		430 mm		560 mm			
	Face Width	200 mm	350 mm	250 mm	375 mm	500 mm			
Steel Roller	Diameter	325 mm		405 mm		535 mm			
	Face Width	35 mm	70 mm		140 mm	70 mm	140 mm		
Surface Speed		83 ~ 830 mm/min							
Overall Dimension	Power Roller (LxWxH), mm	2750x875x850	2750x1000x900	3320x1300x1025	3500x1600x1025	4150x1950x1400	4150x2150x1400	4350x2150x1500	4650x2300x1500
	Idler Roller (LxWxH), mm	2000x600x850	2000x650x900	2750x800x1050	2750x1050x1050	3450x1300x1400	3450x1400x1400	3450x1400x1500	3450x1500x1500
Workpiece	Max Diameter	4500 mm		5000 mm		7500 mm			
	Min Diameter	500 mm		900 mm		1500 mm			
Shipping Weight	Power Roller	1000 Kg	1500 Kg	2000 Kg	2300 Kg	6000 Kg	7000 Kg	7200 Kg	7400 Kg
	Idler Roller	600 Kg	1000 Kg	1500 Kg	1750 Kg	3000 Kg	3300 Kg	3500 Kg	3600 Kg

Note: Due to improvements, our design and specifications are subjected to change without prior notice