



ON 5-100t, ON-SP 5-100t, ON-VV 1-8t

**AVP**

**ROLLER BED ROTATORS**

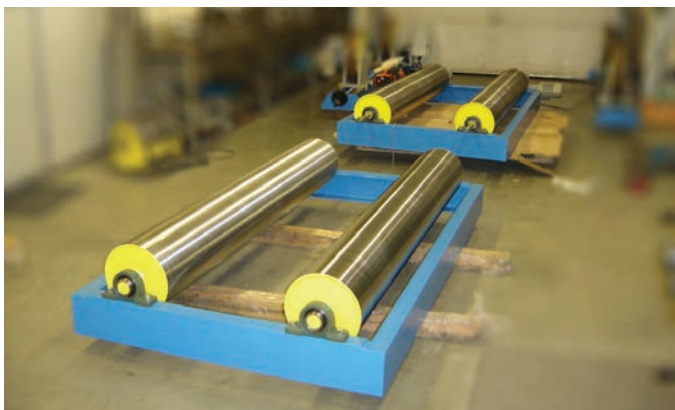
# ROLLER BED ROTATORS



**ON 100t (remote controller)**



**ON 100t**



**ON 10t (special type)**



**ON 5t**

## **DESCRIPTION:**

Roller bed rotators, type 'ON', are used for the rotation of objects (pipes, tubes ...) during processes such as welding, cutting, painting, and positioning. They typically consist of two independent units: a driving unit and a free unit. Both units can be moved longitudinally. The driving unit is equipped with one or two driven wheels, while the other unit has free wheels. Roller beds known as 'ON-VV' serve the same purpose but are designed for smaller load capacities and can't be moved longitudinally.

Each unit is constructed of a basic frame, wheel carriers, wheels, and a supporting carrier in the case of the movable version (for movement on rail track). The rims of the rotating ball-bearing wheels are coated with hard rubber for durability and required friction. The wheel carrier (gantry) can be manually adjusted along the basic frame to adjust for different diameters. The rotation direction and speed can be controlled remotely. When necessary for longer workpieces, roller beds can also be constructed using multiple units.

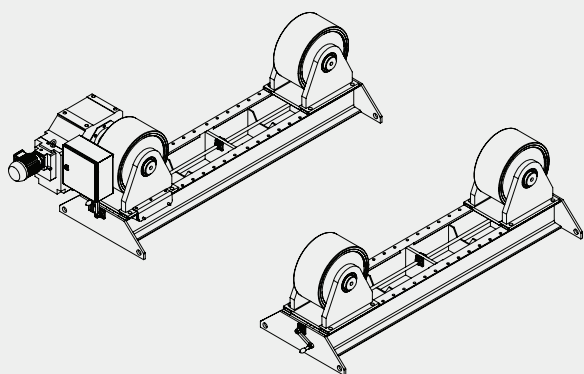
## **OPTIONS:**

- Wireless remote control,
- precision linear rails for movement,
- variable speed foot switch,
- welding start/stop signal,
- steel wheels with copper-graphite brush,
- touch display.

## **ROLLER BED ROTATORS: TYPES**

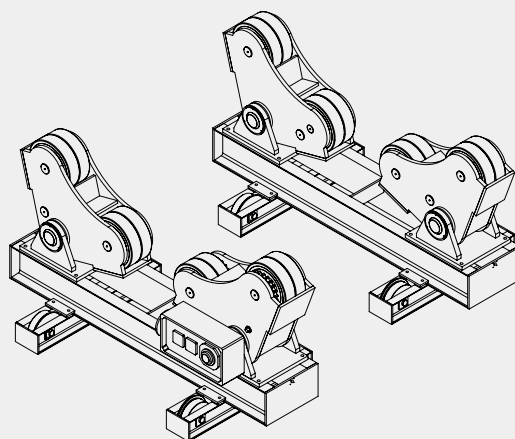
### **ON (5 - 100t)**

This type of roller bed is equipped with two wheels per unit, each of which can be individually adjusted using a spindle. This configuration is particularly recommended for handling heavy workpieces.



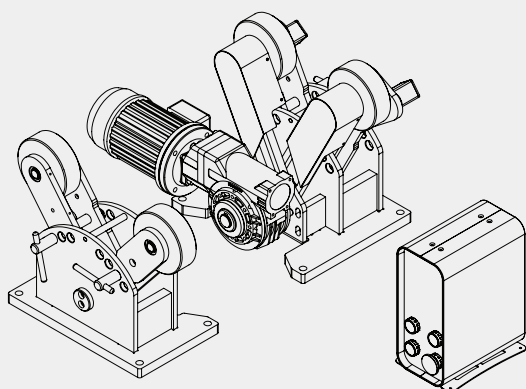
### **ON-SP (5 - 100t)**

ON-SP is a self-aligning roller bed type, which means it can be used for tubes that are not perfectly round and also allows for the use of multiple diameters without needing to reposition the units. In this type, each unit is equipped with a minimum of four wheels.

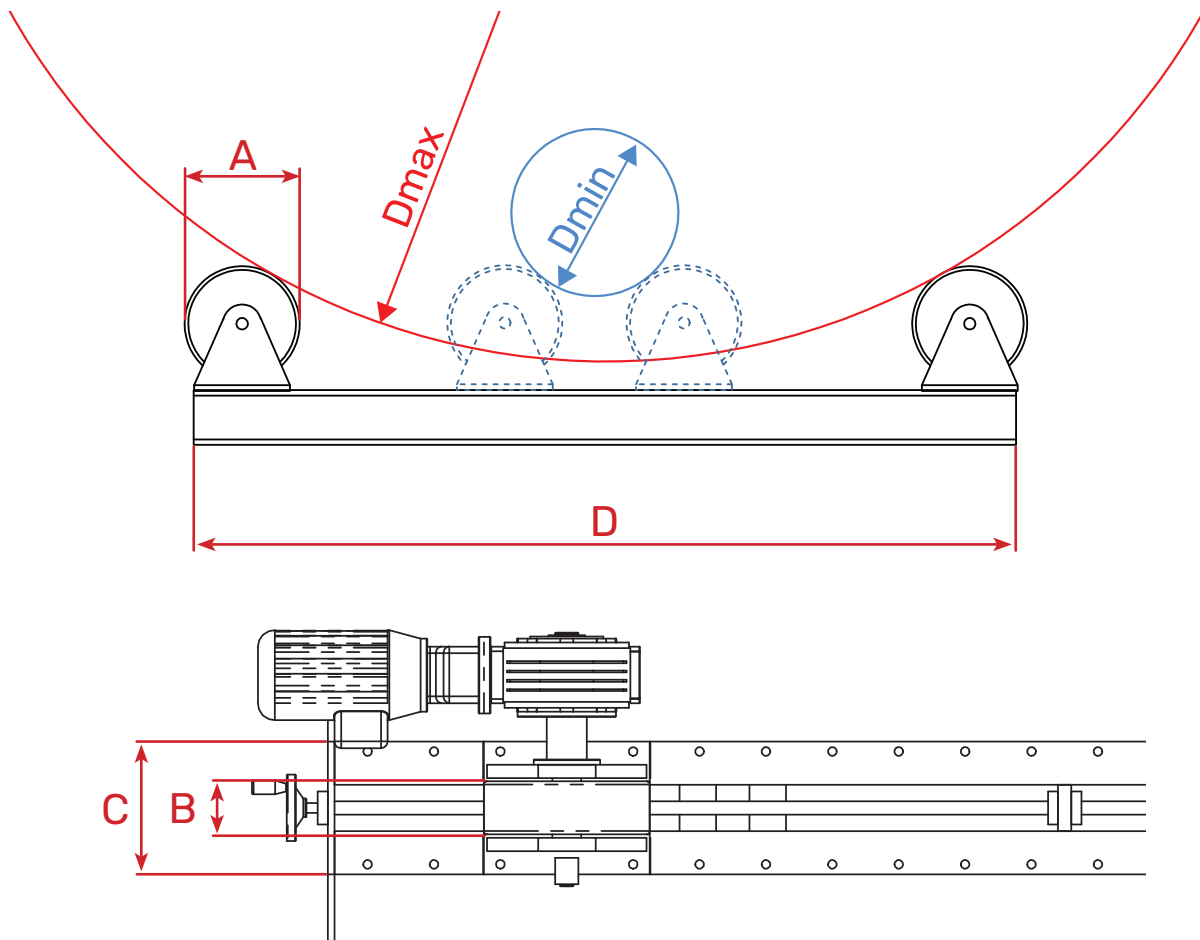


### **ON-VV (1 - 8t)**

ON-VV are roller beds designed for smaller loads, up to 8 tonnes. The scissor-type design makes them compact and ideal for handling smaller parts.



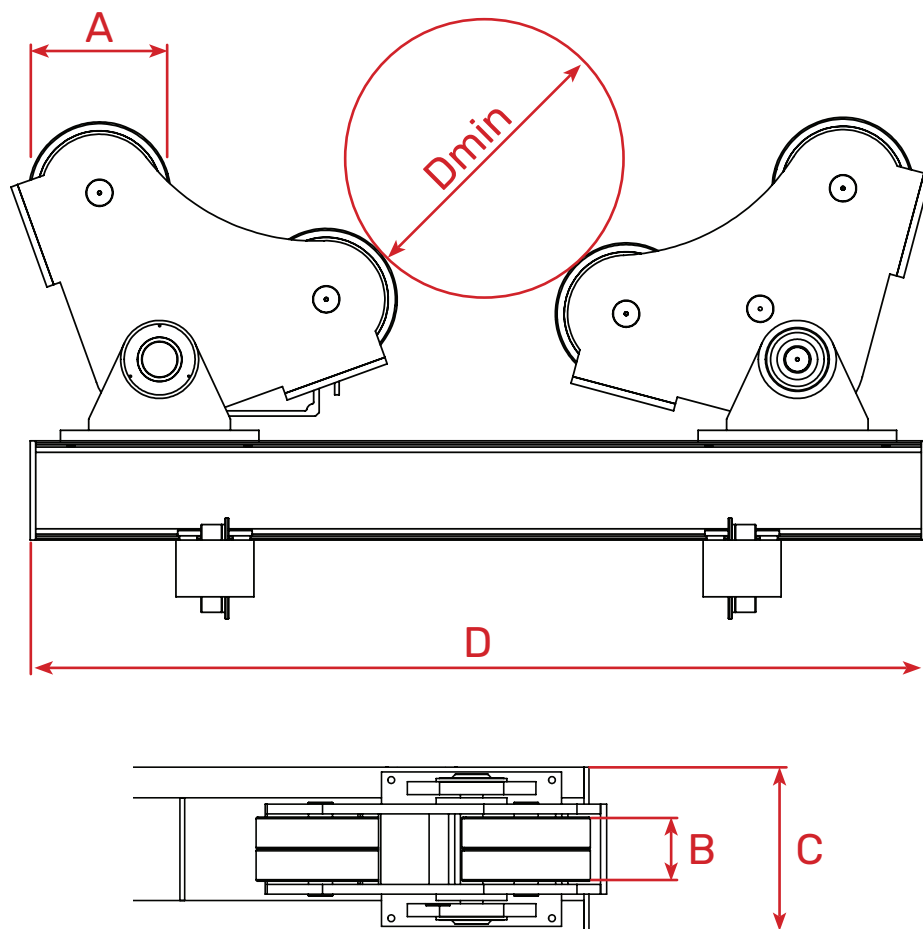
## ROLLER BED ROTATORS: ON 5-100t



This type of roller bed is equipped with two wheels per unit, each of which can be individually adjusted using a spindle.

			ON 5t	ON 10t	ON 20t	ON 40t	ON 60t	ON 100t
A		mm	300		500			
B			80	100	100	200	300	500
C			300	300	400	500		800
D			2200			2800		3200
D <sub>min</sub> /D <sub>max</sub>			200/3800			400/5500		
Load capacity		t/unit	2,5	5	10	20	30	50
Drive unit torque		Nm	600	1200	3000	5000	6000	15000
Rotation speed		m/min	0,1 - 2					
Roller material			PU					
Length	Drive unit	mm	2500			3100		3600
	Free unit		2200		2500	3100		3600
Width	Drive unit		500	700	800	900	1100	
	Free unit		300	400	500	600	800	
Remote control			included					

# ROLLER BED ROTATORS: **ON-SP 5-100t**



The units with wheels on ON-SP only have one position and are fixed. They don't require moving when changing the workpiece diameter, they are "self aligning".

		ON-SP 5t	ON-SP 10t	ON-SP 20t	ON-SP 40t	ON-SP 60t	ON-SP 100t
A		250		300	350	400	500
B		80	100	100	200	300	400
C	mm	300	300	400	500	500	800
D		1500			2500		3200
$D_{min}/D_{max}$		400/3800	400/4500		500/5500		
Load capacity	t/unit	2,5	5	10	20	30	50
Drive unit torque	Nm	600	1200	3000	5000	6000	10000
Rotation speed	m/min	0,1 - 2					
Roller material		PU					
Length	Drive unit	2500			3100		3600
	Free unit	2200		2500	3100		3600
Width	Drive unit	500	700	800	900	1100	
	Free unit	300	400	500	600	800	
Remote control		included					

## ROLLER BED ROTATORS: **ON-VV 1-8t**



**ON-VV 3t**



**ON-VV 3t**



**ON-VV 1t**



Steel wheels  
(option)

Copper-graphite  
brush (option)

		<b>ON-VV 1t</b>	<b>ON-VV 3t</b>	<b>ON-VV 5t</b>	<b>ON-VV 8t</b>
Load capacity	tonne	1	3	5	8
Weld piece diameter Ø	mm	100-1000	200-1500		
Wheel diameter	mm	125	250	300	
Wheel width	mm	40	80	100	135
Rotation speed	m/min	0,1 - 2			
Power rating	kW	0,3			
Supply voltage	V	230			
Frequency	Hz	50			

ON-VV are roller beds designed for smaller loads, up to 8 tonnes. The scissor-type design makes them compact and ideal for handling smaller parts. The wheel distance can be changed manually (4 positions) to adjust to the required piece diameter.