

# ESD/ESI 7.5 to ESD/ESI 120

## Self-aligning Roller Beds



ESD 7.5 to ESD 120 (Drive) and ESI 7.5 to ESI 120 (Idler) are standard self-aligning roller beds.

Self-Aligning is designed for safer handling and gives better side support in thinner wall thicknesses. It reduces time when different diameters need to be produced. Just like the ECD, they have the same smart and robust design made of high-quality key components including high-load polyurethane rollers as well as direct drive and a flexible integration.

- Interface connection to ESAB CaB equipped with weld controller PEK for complete integration
- Two wireless remote-control pendants using Radio Frequency (RF), and an inductive charger comes as standard
- Control panel with PLC and solid-state inverter for precise speed control
- Wheel holder C - C adjustable in steps to cover various work piece diameters
- High quality gear motors from a European supplier with a minimum of backlash
- Optional Motorised/Idler Rail Bogie versions

Visit [esab.com](http://esab.com) for more information.



### Industry

- Wind Tower Fabrication
- Offshore and Shipyards
- Pressure Vessels
- Pipelines

## Specifications

	ESD/ESI 7.5	ESD/ESI 15	ESD/ESI 30	ESD/ESI 60	ESD/ESI 90	ESD/ESI 120
Max Loading Capacity Drive/Idler Unit*	3.75 ton	7.5 ton	15 ton	30 ton	45 ton	60 ton
Max Turning Capacity Drive Unit	11.25 ton	22.5 ton	45 ton	90 ton	135 ton	180 ton
Turning Drive Motor	2 x 0.25 kW	2 x 0.18 kW	2 x 0.37 kW	2 x 0.75 kW	2 x 1.00 kW	2 x 1.50 kW
Turning Speed	150 - 1500 mm/min	200 - 2000 mm/min				
Workpiece Diameter (all wheels)	950 - 4000 mm	1090 - 4400 mm	1420 - 4900 mm	1420 - 6300 mm	2120 - 6200 mm	2120 - 6200 mm
Workpiece Diameter (inner wheels)	350 mm (max 3 ton)	350 mm (max 7 ton)	490 mm (max 15 ton)	500 mm (max 30 ton)	810 mm (max 45 ton)	810 mm (max 60 ton)
Phases	3 ph					
Input Voltage / Frequency	380 - 440 V / 50 Hz					
Roller Type	Polyurethane (90° C / 92° A Shore)					
Roller Width / Diameter (mm (no. of wheels in width))	50 / 247 mm (1)	90 / 300 mm (1)	90 / 400 mm (1)	90 / 400 mm (2)	180 / 580 mm (1)	180 / 580 mm (1)
Weight Drive Unit	457 kg	730 kg	1095 kg	2150 kg	2730 kg	3170 kg
Weight Idler Unit	357 kg	550 kg	850 kg	1805 kg	2225 kg	2435 kg
Dimensions Drive Unit LxWxH	2777x777x810 mm	3365x801x871 mm	3358x817x911 mm	4161x949x1158 mm	4167x1043x1142 mm	4313x1120x1220 mm
Dimensions Idler Unit LxWxH	2200x500x721 mm	2830x600x803 mm	2848x700x859 mm	3650x800x1039 mm	3746x800x1136 mm	3646x800x1142 mm
Control Voltage	24 VDC					

\* per roller bed section. Mains cable not included in delivery.

## Ordering Information

Roller Bed ESD 7.5, Drive Unit, with digital display	0909252881
Roller Bed ESI 7.5, Drive Unit, without digital display	0909252880
Roller Bed ESD 7.5, Idler Unit	0909253880
Roller Bed ESD 15, Drive Unit, with digital display	0909010881
Roller Bed ESD 15, Drive Unit, without digital display	0909010880
Roller Bed ESI 15, Idler Unit	0909011880
Roller Bed ESD 30, Drive Unit, with digital display	0909012881
Roller Bed ESD 30, Drive Unit, without digital display	0909012880
Roller Bed ESI 30, Idler Unit	0909013880
Roller Bed ESD 60, Drive Unit, with digital display	0909014881
Roller Bed ESD 60, Drive Unit, without digital display	0909014880
Roller Bed ESI 60, Idler Unit	0909015880
Roller Bed ESD 90, Drive Unit, with digital display	0909016881
Roller Bed ESD 90, Drive Unit, without digital display	0909016880
Roller Bed ESI 90, Idler Unit	0909017880
Roller Bed ESD 120, Drive Unit, with digital display	0909018881
Roller Bed ESD 120, Drive Unit, without digital display	0909018880
Roller Bed ESI 120, Idler Unit	0909019880

## Options and Accessories

CaB integration cable 10 m, 20 m, 30 m, 40 m, 50m	0909530880, -881, -882, -883, -884
Synchronisation cable 10 m, 20 m, 30 m, 40 m, 50m	0909530900, -901, -902, -903, -904



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