

Roller beds

C5D-C90D and C5I-C90I Conventional Roller Beds

ESAB offers a large range of roller beds of different models and load possibilities. Roller beds are designed to enable large round items to be welded during rotation. The range partly consists of conventional roller beds, where the operator manually and mechanically sets the distance between the rollers to different diameters and partly self adjusts roller beds, where the rollers automatically adjust themselves to the diameter of the workpiece. All roller beds are designed to be easily combined with ESAB's A2/A6 program and can be controlled via a remote control unit or from the process controller PEK.



CD-120 and above & CI-120 and above

CD-120 and above and CI-120 and above, are conventional roller beds with rail bogie option Max loading capacity of 120 tons/section.

FIR 35, 75 and 100, are part of a growing line and used especially in wind tower production. Max loading capacity 35, 75 or 100 tons.



FIR 35, 75 & 100

FIT 30, 60 and 100, are conventional idler roller beds with built-in hydraulic height adjustment. These units are part of a growing line and used especially in wind tower production. Max loading capacity 15, 30 or 50 tons.

FUB 30, is a complete unit for fit-up of section. One set of FUB consist of one of power and one idler roller bed 30T. Four independently adjusted rollers to align the two sections with each other. Max loading capacity 30 tons.

SD 5-120 and SI 5-120, are self-aligning roller beds. Motorised and idler rail bogie versions. Max loading capacity 2.5-60 tons/ section.

SD 5-100 DB and SI 5-100 IB, are self-aligning roller beds. Motorised and idler rail bogie versions. Max loading capacity 2.5-60 tons/ section. Bogie is sold separately.



FIT 30, 60 & 100

Suitable application areas:

- Wind tower fabrication
- Offshore and shipyards
- Pressure vessels
- Pipelines

Versatile accessories

A wide range of accessories is available for ESAB's roller beds, that additionally improve workpiece handling during welding.

For more information, please contact your nearest ESAB representative.

Roller beds

- Robust design with durable rollers.
- Grit blasted steelwork with polyurethane finished coating to endure the abrasive environment of offshore and marine industries.
- Standard connection to ESAB weld controller PEK for complete integration.
- High rotation speed for faster positioning.
- Over sized bearings.
- Special formulated high-load polyurethane tire design for high wear resistance.
- Cast steel gearbox with double worm gear arrangement for smooth operation and minimum backlash.
- Solid state inverter for precise speed control.



Ordering information

Drive unit	
Roller bed C5D	WE11 000 005
Roller bed C15D	WE11 000 015
Roller bed C30D	WE11 000 030
Roller bed C60D	WE11 000 060
Roller bed C90D	WE11 000 090
Idler unit	
Roller bed C5I	WE11 700 005
Roller bed C15I	WE11 700 015
Roller bed C30I	WE11 700 030
Roller bed C60I	WE11 700 060
Roller bed C90I	WE11 700 090

Applications

- Wind Tower Fabrication
- Offshore and Shipyards
- Pressure Vessels
- Pipe Lines

Options & Accessories

Foot switch	0370 250 301
Synchronise kit	0370 250 302

Technical data			C5D/C5I	C15D/C15I	C30D/C30I	C60D/C60I	C90D/C90I
Max loading capacity	Drive unit	Tons/section	2.5	7.5	15	30	45
	Idler unit		2.5	7.5	15	30	45
Turning Capacity	Drive unit	tons	7.5	22.5	45	90	135
Turning Speed	5-50 Hz	mm/min	190-1900	198-1980	198-1980	200-2000	210-2100
	6-60 Hz		228-2280	237-2370	237-2370	240-2400	252-2520
Vessel Diameter	Min (90°) Max (30°)	mm	200-4300	200-5000	500-6000	500-6000	500-6000
Power Supply	50Hz/3 ph 60Hz/3 ph	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
			440/460/480	440/460/480	440/460/480	440/460/480	440/460/480
Polyurethane Roller Size	Diameter Width	mm	380	380	508	508	520
			1x100	2x100	1x177.8	2x177.8	2x178
Fuses		A	16	16	16	16	16
Control Voltage		V AC	24	24	24	24	24
Weight	Drive unit	kg	440	684	1456	1894	2162
	Idler unit		234	321	711	1028	1474
Dimensions LxHxW	Drive unit	mm	2090/540/534	2090/540/564	2465/620/562	2790/765/765	2790/765/933
	Idler unit		2090/540/386	2090/540/450	2465/620/500	2790/765/700	2790/765/888
Cable control box	Cable length	m	10	10	10	10	10