

SD 5-120 and SI 5-120

Self-aligning Roller Beds

- Robust design with durable rollers.
- Gritblasted steelwork with polyurethane finished coating to endure the abrasive environment of offshore and marine industries.
- Specially 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.
- Motorized and idler rail bogie versions.
- Electrical clutch

Ideal for:

- Wind tower fabrication
- Offshore and shipyards
- Pressure vessels
- Thinwall vessels / Pipes

Options & Accessories

Foot pedal	0370 250 301
Synchronize kit	0370 250 302
Pendant with digital display	0370 250 431
PEK connection kit with 25 m cable	0370 251 514

(Note: I/O board and PEK not included)

For rail bogie details, please see page 68.



Ordering information

Drive unit

Roller bed SD-5	0370 250 050
Roller bed SD-15	0370 250 134
Roller bed SD-30	0370 250 136
Roller bed SD-60	0370 250 058
Roller bed SD-90	0370 250 138
Roller bed SD-120	0370 250 095

Idler unit

Roller bed SI-5	0370 250 051
Roller bed SI-15	0370 250 135
Roller bed SI-30	0370 250 137
Roller bed SI-60	0270 250 059
Roller bed SI-90	0370 250 139
Roller bed SI-120	0370 250 096

Technical data		SD/SI-5	SD/SI-15	SD/SI-30	SD/SI-60	SD/SI-90	SD/SI-120
Max loading capacity, ton/section	Drive unit	2.5	7.5	15	30	45	60
	Idler unit	2.5	7.5	15	30	45	60
Turning capacity, ton	Drive unit	7.5	22.5	45	90	135	180
Turning speed, mm/min (ipm)		127.3-1273 (5-50)	130-1300 (5-51)	120-1200 (4.7-47)	120-1200 (4.7-47)	100-1000 (4-40)	100-1000 (4-40)
Workpiece diameter - 2 tyre, mm (in.)		200-788.8 (7.87-31.06)	200-788.8 (7.87-31.06)	300-1136 (11.8-44.72)	300-1136 (11.8-44.72)	200-1070 (7.87-42.13)	300-1156 (11.8-45.51)
Workpiece diameter - 4 tyre, mm (in.)		789-6600 (31.06-259.84)	789-6600 (31.06-259.84)	1137-7200 (44.76-283.46)	1137-7600 (44.76-299.21)	1071-8300 (42.17-326.77)	1157-8100 (45.55-318.9)
Mains supply, V	50Hz, 3ph	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	60Hz, 3ph	440/460/480	440/460/480	440/460/480	440/460/480	440/460/480	440/460/480
IP Classification		IP54	IP54	IP54	IP54	IP54	IP54
Control voltage, V AC		24	24	24	24	24	24
Dimensions LxHxW, mm (in.)	Drive unit	3816x930x753 (150.24x37x29.6)	3814x930x788 (150.16x37x31)	4232x1295x818 (166.6x51x32.2)	4537x1295x965 (178.6x51x38)	4800x1406x987 (189x55.4x38.9)	4866x1502x1082 (191.6x59x42.6)
	Idler unit	3100x930x686 (122x37x27)	3100x930x756 (122x37x29.8)	3400x1295x814 (133.9x51x32)	3600x1295x890 (141.7x51x35)	3900x1406x938 (153.5x55.4x37)	3968x1502x975 (156.2x59x38.4)
Weight, kg (lbs.)	Drive unit	880 (1940)	1170 (2579)	2245 (4949)	3000 (6614)	3260 (7187)	4397 (9694)
	Idler unit	620 (1367)	820 (1808)	1465 (3230)	2000 (4409)	2466 (5437)	3410 (7518)
Cable, control box, m (in.)		10 (394)	10 (394)	10 (394)	10 (394)	10 (394)	10 (394)