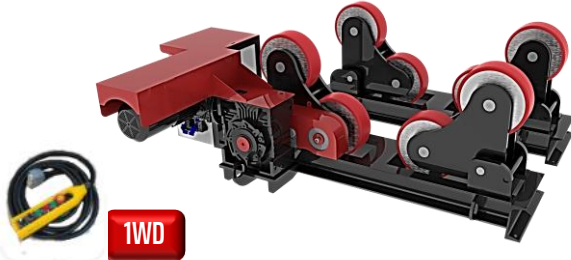


ABOUT PRODUCT

STANDARD: HandBox Cable Remote Control

BSR5-1WD



1WD

SINGLE Wheel Driven (1 pc.Motor+Reducer)

«1» SET

«1 pc.» DRIVEN Unit

«1 pc.» IDLER Unit

BSR10-15-20-2WD



2WD

DOUBLE Wheel Driven 2 pcs.Motor+Reducer

BSR30-40-50-60-80-100-120-4WD

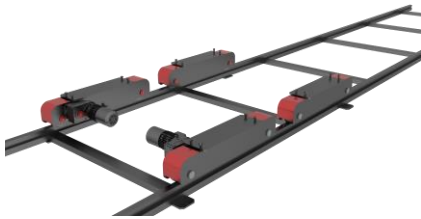


4WD

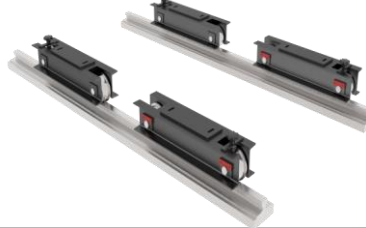
FOUR Wheel Driven with Gear Transmission (2 pcs.Motor+Reducer)

OPTIONAL Modifications & Equipments;

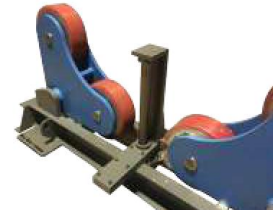
BCBS: Driven+idler Buggy System



MB-BSR: Manual Buggy System



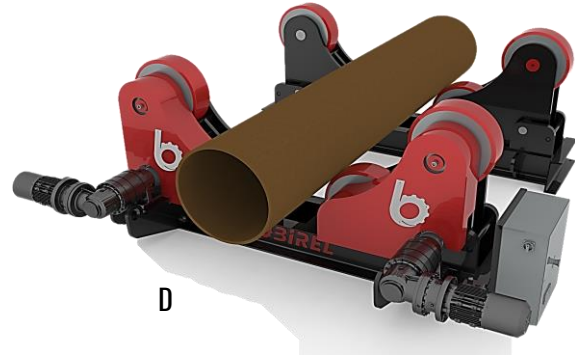
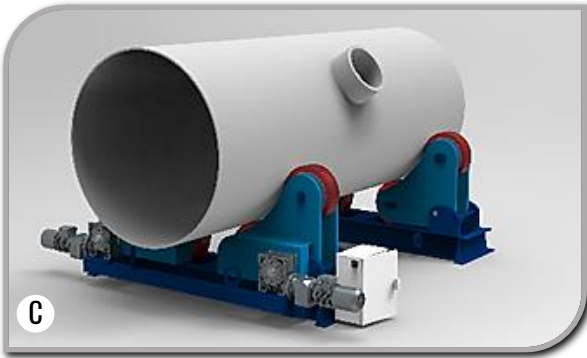
AD-BSR:Stoper Support



General Features ;

- BSR model Self -Align Rotators are used to rotate for the purpose of providing economical and practical circular welding solution to cylindrical parts having variable cylindrical diameters.
- BSR model Self-Align Rotators are used for rotating to perform circular welding of cylindrical parts, Such as Tanks, Pressure vessels, Tower Tubes, Boilers, Depots, Reactors, Depots, Fuel Barrels, WindPower, Petrochemical, PipeLines, Shipbuilding sector,etc.
- The unique design of BSR model Self-Align Rotator permits the rollers to align instantly themselves to the workpiece without any manual pre-adjustment.
- Robust steel welded construction.
- The cylindrical part remains central independent of diameter and frequent adjustment of the welding head becomes unnecessary.
- Operators with BSR model Self-Align Rotators can easily rotate workpieces clockwise(CW) or counterclockwise(CCW) at accurate controlled speeds by means of precise command control
- To start the rotation of workpiece, no extra time or no labour is needed. The rotators have an important place in steel construction workshops, because they reduce the use of a crane, as well as increase the speed and the efficiency of automatic or manual welding processes.

❖ All technical specifications are subject to change without prior notice.



Technical Advantages ;

- One(1)set of BSR model Self Align Rotator consists of two units, one(1) driven unit and one(1) for idler unit. According to specific applications, the number of driven and idler units can be changed.
- Birel Machinery as standard manufactures 5 • 10 • 15 • 20 • 30 • 40 • 50 • 60 • 80 • 100 • 120 ton, Additionally, Upon request over 120 ton models are manufactured as special productions.
- In Driven Units, up to 30ton capacities, Single driven roller is used in Roller Group, 30ton & above Double driven Rollers are used in Roller Group.
- Optionally, opportunity of moving over rails by means of Buggy carriers is available. Two Buggy carriers option are available. The first Buggy carrier choice is Rollers moved manually over rails and the second one is using driven movement of rollers over rails .
- Optionally, Single driven roller is present, as standard, within Roller holding group. Additionally, Double driven rollers choice is available optionally.

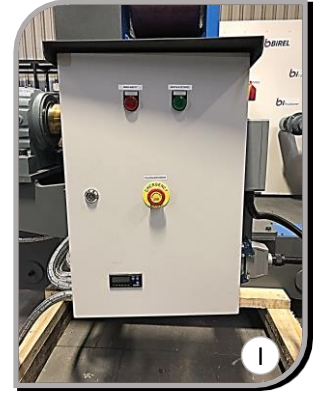
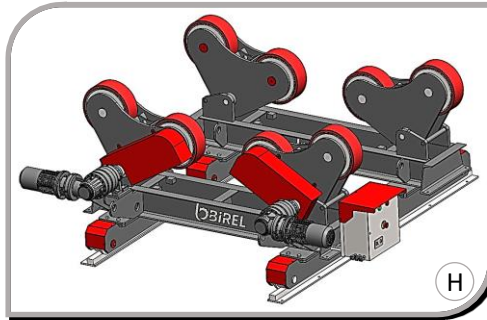
❖ All technical specifications are subject to change without prior notice.

FEATURES

Example : 2WD-2Wheel Driven



Example : 4WD-4Wheel Driven with Gear Transmission

Example :2WD-2Wheel Driven+
Motorised Buggy+Rail

Standard Features

- Adjustable Wheel rotation speed & digital display on Electr.Cabinet
- Self-Aligned Rollers
- Polyurethane Rollers absorbing shocks and vibrations
- 5 mt. Handbox Remote Cable Command
- 5 mt.Power Cable
- Brake & Fan Cooled Motor (Asynchronous)
- Standard Machine Colors:
 - Chassis RAL 7011(Grey)
 - Sheet Covers:RAL 3020(Red)
- Power Supply: 380V - (3 phase+Neutral +Earthing)
- One (1) Year Warranty (wearing parts out of warranty)

Optional Control Units

DFPSE

Double Foot Pedal+Stick+
Emergency Stop (3 m)

SFP

Single Foot Pedal



MP

Master Panel



OHC

Overhead Hangable Control



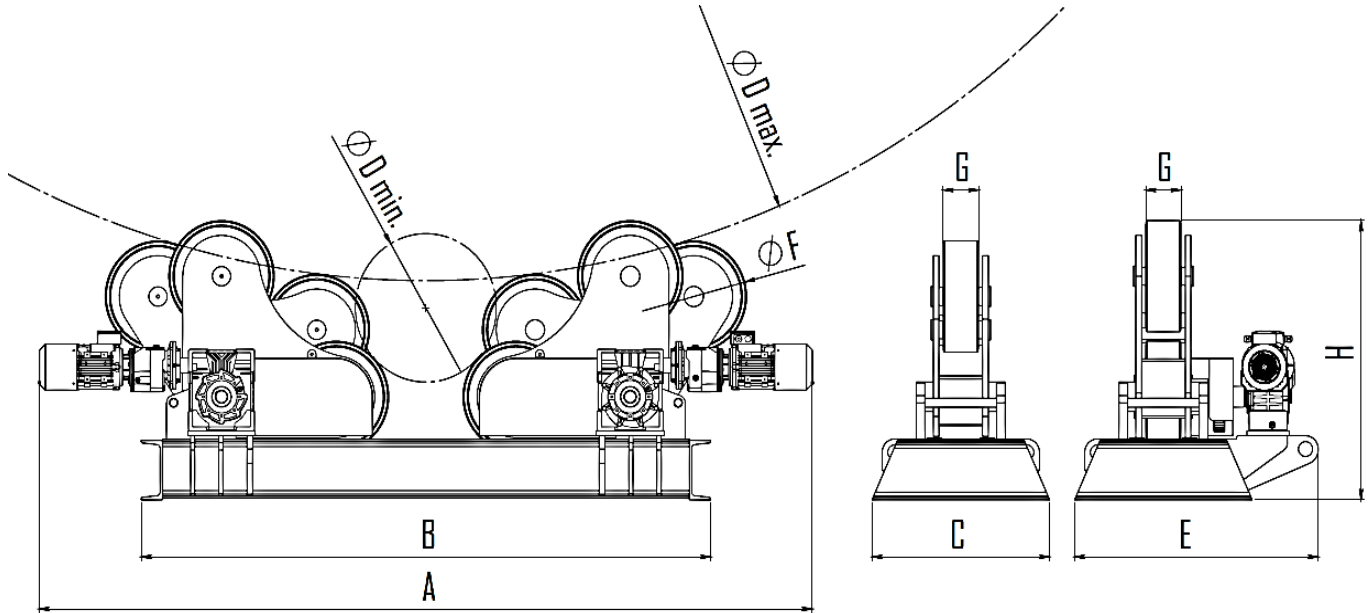
WRC

Wireless Remote Controller



❖ All technical specifications are subject to change without prior notice.

TECHNICAL PROPERTIES



Technical Details :

Model : BSR	Symb	Unit	BSR-5	BSR-10	BSR-15	BSR-20	BSR-30	BSR-40	BSR-50	BSR-60	BSR-80	BSR-100	BSR-120
Capacity		ton	5	10	15	20	30	40	50	60	80	100	120
Max. Load (Drive Unit)		t/unit	2.5	5	7.5	10	15	20	25	30	40	50	60
Max. Load (idler unit)		t/unit	2.5	5	7.5	10	15	20	25	30	40	50	60
No. of Wheel Driven	WD	No.	1WD	2WD	2WD	2WD	4WD	4WD	4WD	4WD	4WD	4WD	4WD
Rotation Speed	min	mm/min	150	150	150	150	150	150	150	150	150	150	150
	max	mm/min	1130	1220	1230	1350	1300	1200	1230	1300	1230	1200	1230
Diameter Range	Ødmin	mm	250	450	450	450	500	500	500	550	550	600	600
	ØDmax	mm	3000	3000	3300	4600	4600	4600	4600	5200	5500	5500	5500
Wheel Diameter	ØF	mm	240	340	340	375	415	440	440	500	550	550	550
Wheel Width	G	mm	75	100	110	125	125	130	130	150	175	220	240
Wheel Coating			PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU
Length (Drive Unit)	A	mm	1540	2580	2400	2480	2680	2700	2830	3000	3200	3260	3380
Length (Idler Unit)	B	mm	1140	1970	1970	2020	2150	2330	2330	2740	2860	2880	2880
Width (Drive Unit)	E	mm	840	720	900	985	1050	1150	1150	1200	1280	1500	1630
Width (Idler Unit)	C	mm	350	500	520	560	580	700	700	700	700	900	900
Height	H	mm	517	880	880	940	1000	1040	1040	1260	1320	1330	1330
Motor Power	P	kW	0.37 x 1	0.25 x 2	0.37 x 2	0.55 x 2	0.55 x 2	0.55 x 2	0.55 x 2	0.75 x 2	0.75 x 2	1.1 x 2	1,5 x 2
Weight	W	kg	380	1100	1180	1360	1830	2540	2600	3760	5320	6200	6400

Out of these standard capacities, Birel Machinery, according to customer requirements, has the manufacturing possibility at different capacities, sizes.

All technical specifications are subject to change without prior notice.