



SGB-300-OG OFF GROUND BRIDGE GANTRY

AXES CONFIGURATIONS		XY, XYZ	LT VERSION		MD VERSION		HD VERSION	
X AXES	Max payload		2x2.000	kg	2x4.000	kg	2x6.000	kg
	Max allowable extra load (includes Y and Z axes extra loads)		2x300	kg	2x500	kg	2x500	kg
	X module lengths		2-3-4	m	2-3-4	m	2-3-4	m
	Stroke range		1-39	m	1-39	m	1-39	m
	Length range (as uniting of 2m, 3m, and 4m modules)		2-40	m	2-40	m	2-40	m
	Max speed		2	m/s	1,7	m/s	1	m/s
	Average speed		1,6	m/s	1,4	m/s	0,8	m/s
Y AXES	Max payload		1.500	kg	2.500	kg	2.500	kg
	Max allowable extra load (includes Z axes extra loads)		300	kg	600	kg	600	kg
	Stroke range		3-5	m	3-11	m	3-15	m
	Length range (as uniting of 2m, 3m, and 4m modules)		4-6	m	4-12	m	4-16	m
	Max speed		1,7	m/s	1,2	m/s	1,2	m/s
Average speed		1,4	m/s	1	m/s	1	m/s	
Z AXES	Max payload		300	kg	300	kg	700	kg
	Max allowable extra load		50	kg	50	kg	20	kg
	Stroke range		1,5 - 2	m	1,5 - 2 - 2,5 - 3	m	1,5 - 2	m
	Max speed		0,4	m/s	0,4	m/s	0,3	m/s
	Average speed		0,3	m/s	0,3	m/s	0,25	m/s
FLANGE HEIGHT	End flange height from the floor		2-5	m	2-7	m	2-5	m
	Repeatability		0,2	mm	0,2	mm	0,2	mm

Technical data is subject to change without prior notice.

Specifications

- The SGB-300-OG family is a bridge gantry solution for smaller robots up to 700 kg weight including end effector, on the 3-axis version.
- The bridge gantry is designed to be used in applications where you need a long Y-stroke (up to 6m).
- The gantry has new designed, low weight, high strength welded steel structure that make it possible to improve the performance drastically.
- The design also makes it possible to manufacture this gantry to a low cost that will keep the price to customer low.
- We are using state of art linear guiding systems and reduction gearboxes.
- There is a wide working range
- It's possible to use up to 3 robots on the same gantry system.
- 1-3 axis options are available.
- Wire barrel and welding unit carried on Y axis body.
- To reduce the max. height of the gantry, a Telescopic Z axis is optional.

Options

- INA, HIWIN, SCHNEEBERGER, REXROTH LINEAR GUIDING SYSTEMS.
- Coated rollers, guideways and racks.
- Linear carriages auto lubrication.
- Telescopic Z axes.
- Limit switch option.
- Zone switches.
- Automatic lubrication unit (guides and rack).
- Automatic lubrication unit (only rack).
- 300mm wide cable track (default 200mm).
- Cable chain dividers.
- Enclosed cable chain.
- Robot integration.
- Welding package carriages.
- Standard Service platform (ladder with side barriers)
- Advanced service platform (stair with walking platforms)
- Robot Control Unit Carriage.
- Special color of paint.

SGB-OG GANTRY MAX HEIGHT GRAPHICS

