



### SGB-300-RG RAIL GUIDED BRIDGE GANTRY

AXES CONFIGURATIONS		XY, XYZ	LT VERSION		MD VERSION		HD VERSION	
<b>X AXES</b>	Max payload		2x6.000	kg	2x6.000	kg	2x6.000	kg
	Max allowable extra load (includes Y and Z axes extra loads)		2x500	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)		4-42	m	4-42	m	4-42	m
	Max speed		0,7	m/s	0,7	m/s	0,7	m/s
	Average speed		0,6	m/s	0,6	m/s	0,6	m/s
<b>Y AXES</b>	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	3-8	m	3-8	m
	Length range (as uniting of 2m, 3m, and 4m modules)		4-6	m	4-9	m	4-9	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
<b>Z AXES</b>	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
<b>FLANGE HEIGHT</b>	End flange height from the floor		2-5	m	2-7	m	2-5	m
	Repeatability		0.5	mm	0.5	mm	0.5	mm

Technical data is subject to change without prior notice.

### Specifications

SGB-300-RG series bridge type gantry has been developed for long X and Y axes strokes with cost efficiency in mind. X axes runs on rail guides using state of art rail and bearing configuration.

The main difference between the OG series and OR series is the X axes design. OG series run on the TDRi STN series tracks but OR series run on the Nbv profiles.

SGB-300-OR series bridge gantry is suitable for very long and wide parts weilding, cutting etc. Train and shipp yard industry are typical areas of use for OR series gantry.

### Options

- INA, HIWIN, SCHNEEBERGER, REXROTH Linear Guiding Systems.
- Coated rollers, guideways and racks.
- Auto lubrication.
- Telescopic Z axes.
- Limit switch option.
- Zone switch.
- Enclosed cable chain.
- Robot integration.
- Welding package carriages.
- Standard Service platform (ladder with side barriers).
- Robot Control Unit Carriage.
- Special color of paint.
- Z axes safety break.

### SGB-RG GANTRY MAX HEIGHT GRAPHICS

