

Since 1981
A World of New Positioning Solutions



ROTOLIFT[®]

Three-axis welding and handling positioner

ELEVATION - TILTING - ROTATION - ERGONOMIC - SAFE - FAST

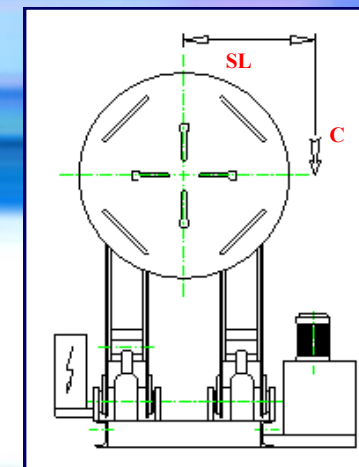
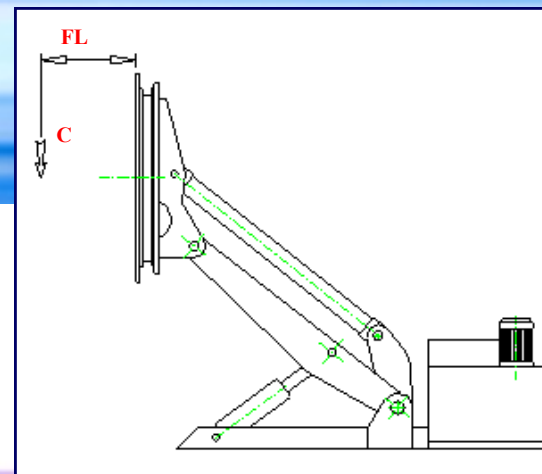
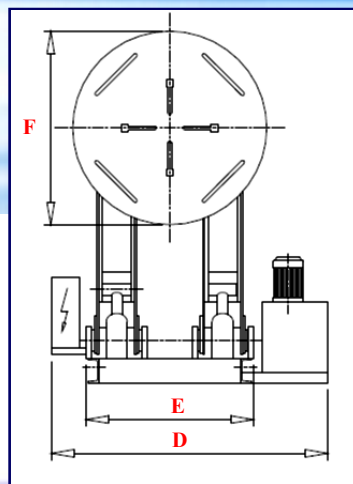
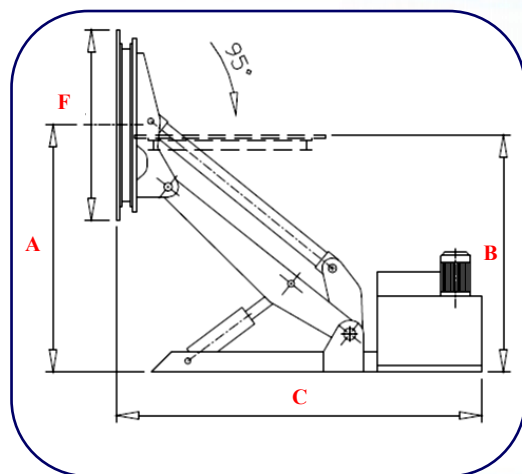
ROTOLIFT is an hydraulic welding and handling positioner specially designed to ease welding and assembling operations: the machine, due to its working features, greatly reduces the handling of the part being worked resulting in a minor use of other lifting equipment.

The most important characteristic is the possibility to perform tilting and rotation as well as lifting and lowering on a single machine.

The whole concept has been developed in order to allow the safest and most ergonomic working conditions for the operator.

HYDRAULIC MODEL:	Hydraulic lifting, tilting and rotation.
ELECTRIC MODEL:	- Hydraulic lifting and tilting, electrical rotation (inverter driven). - The ELECTRICAL versions are available also with increased tilting up to 140°.
OPTIONAL:	- Rotary ground connector - Foot-operated switch - Teach control system
OVERSIZED POSITIONERS:	Models available up to 100.000 kg

MODEL	LOAD CAPACITY (kg)
RL 1250	1250
RL 2000	2000
RL 3000	3000
RL 4500	4500
RL 6500	6500
RL 8500	8500
RL 11000	11000
RL 13000	13000



Technical Data

	RL 1250	RL 2000	RL 3000	RL 4500	RL 6500	RL 8500	RL 11000	RL 13000
Capacity(kg)	1250	2000	3000	4500	6500	8500	11000	13000
Machine weight (kg)	727	1114	1477	2627	3434	4590	5100	5480
Max table tilting	95°	95° 140°	95° 140°	95° 140°	95° 140°	95° 140°	95° 140°	95° 140°
Table tilting time (sec)	15	25 (95°) 14 (140°)	25	32	32	42	55	36
Table elevation time (sec)	10	15	20	27	44	63	68	74
Table rotation time (sec/round)	27	30	35	45	48	59	70	53
Maximum torque (Nm)	490	1250	1960	5300	7650	8100	10790	15600
A Max height vert. table (mm)	1120	1300	1620	2085	2400	2780	2900	2710
B Min. height horizontal table (mm)	700	700	720	900	960	1230	1300	1260
B Max. height horizontal table (mm)	1300	1500	1570	2160	2470	3000	3150	2965
C Length (mm)	1900	2000	2400	3000	3600	3900	4900	4500
D Max width (mm)	1700	1950	2050	2160	2300	2400	2400	2500
E Structure width (mm)	760	760	940	1250	1400	1490	1490	1550
F Table dimension mm)	Ø800	Ø800	1100x1100	1500x1500	1500x1500	Ø1710	Ø1710	1800x1800

Load Capacities

RL 1250	C - kg	1250	1000	800	600	400				
	FL-mm	400	490	600	790	1160				
	SL-mm	40	50	60	80	120				
RL 2000	C - kg	2000	1700	1400	1100	800	600	400		
	FL-mm	400	460	550	700	950	1260	1800		
	SL-mm	80	90	100	120	160	210	300		
RL 3000	C - kg	3000	2500	2100	1700	1300	900	500	300	
	FL-mm	400	530	640	820	1150	2000	3300	3900	
	SL-mm	80	100	120	160	230	420	670	790	
RL 4500	C - kg	4500	3900	3300	2700	2100	1500	1200	900	600
	FL-mm	480	540	620	740	950	1280	1600	2100	3100
	SL-mm	120	140	160	190	240	330	410	540	790
RL 6500	C - kg	6500	5700	4900	4100	3300	2500	2100	1700	1300
	FL-mm	500	560	640	750	920	1200	1400	1700	2200
	SL-mm	120	140	160	180	220	290	340	420	550
RL 8500	C - kg	8500	7500	6500	5500	4500	3500	3000	2500	2000
	FL-mm	500	560	640	750	910	1140	1300	1550	1930
	SL-mm	95	110	130	150	190	240	280	340	400
RL 11000	C - kg	11000	9800	8250	7130	5850	4550	3950	3150	2500
	FL-mm	500	550	650	750	900	1150	1300	1550	1950
	SL-mm	90	110	130	150	200	250	290	350	440
RL 13000	C - kg	13000	11000	9000	7500	6000	4500	3500	3000	2500
	FL-mm	500	585	710	840	1000	1300	1650	1900	2250
	SL-mm	120	140	165	190	230	300	375	430	500

RL 8500, RL 11000 and RL 13000 are only available in electric version.
Oversized models up to 100.000 kg capacity are available on customer demand.
The data are only indications and they can be changed without prior notice.

LEGEND: **C**= Max load capacity in kg **FL**= frontal loading center **SL**= side loading center
All data are referred to the max rotation speed of the plate.
The chart reports capacities and distances with loading in the center.