

# Optional Units

## RT(Rail Table)

The main innovation consists in the use of recirculating balls guideways and a particular damping technology based on the “constrained layer” principle. The innovative system is characterized by high reliability and excellent performances, the result of a long direct field experience.

### ■ Features

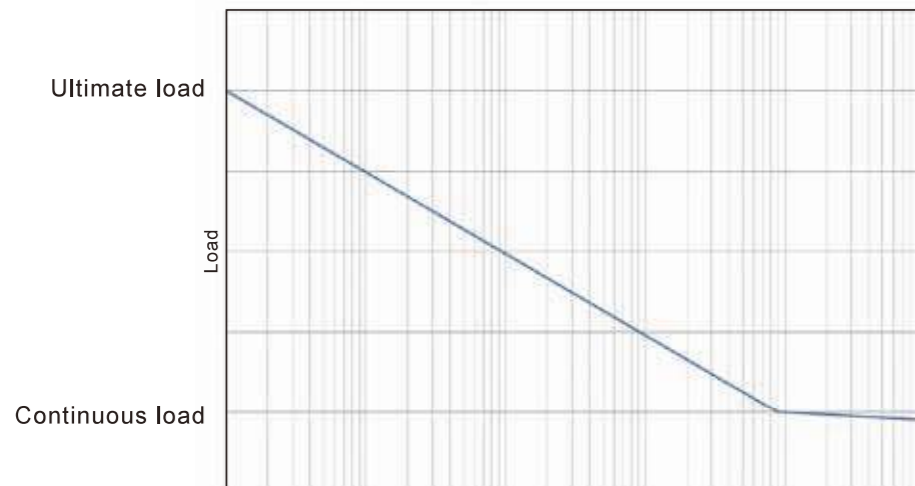
- easily to use
- no oil
- no electrical power
- no compressed air
- long stroke
- robust and longlasting
- easily to repair and mantain
- very good dynamic performances
- oxidation resistance



### ■ Bearing lasting time

The high technical level of the Rail Table led to an extension of the working time between each maintenance. Before the test start, the customer could easily calculate the table bearable test load and, by comparing the “continuous” and “ultimate” load values, asses the wear level which the test will cause to the table and consequently the economic impact of the maintenance.

Important : the maintenance is a very simple operation since it consists in the mere substitution of the bearings.



## Specification : RT (Rail Table)

Table Size		450 x 450	600 x 600	750 x 750	900 x 900	1050 x 1050
Weight (kg)	Aluminium	30	50	68	96	125
	Magnesium	23	40	53	75	98
Moments (kNm)	Pitch Continuous	1.7	5.7	7.4	16.2	19.3
	Pitch Ultimate	22.3	71.6	93	203.4	241.4
	Roll Continuous	1.3	4.7	6.5	14.6	17.6
	Roll Ultimate	17.1	59.9	81.3	182.5	220.6
	Yaw Continuous	1.7	5.7	7.4	16.2	19.3
	Yaw Ultimate	22.3	71.6	93	203.4	241.4
Maximum Displacement (mm)		160	160	160	160	160
Maximum Payload (kg)		414	620	931	1241	1654
Maximum Frequency (Hz)		2000	2000	2000	2000	2000
First Resonance (Hz)		1400	1250	1050	950	830
Standard Insert Pattern	100 mm Grid	25	36	64	81	121
Driver Bar Weight (kg) *	Aluminium	15	15	15	15	15

\* TBC according to the armature