

	art.SLVRT +CQA/L mod. RTF1	art.SLVRT +T mod. RTF2	art.SLVRT +PS mod. RTF3	art.SLVRT +PFF mod. RTF4	art.SLVRT +ST mod. RTF5	art.SLVRT +ST+PS mod. RTF6	art.SLVRA +ST740 mod. RAF1	art.SLVRA +ST740+PS mod. RAF2	art.SLVRA +ST740+PFF mod. RAF3
INDICATIVE SUMMARY OF PRODUCT CHARACTERISTICS KEY TO SYMBOLS X Excess +++ Very, very suitable ++ Very suitable + Suitable - Not suitable		L L	ł			1			
	Pag. 16	Pag. 17	Pag. 18	Pag. 19	Pag. 20	Pag. 21	Pag. 23	Pag. 24	Pag. 25
ADJUSTMENT FROM BELOW	-	-	-	-	-	-	-	-	-
ADJUSTMENT FROM MEDIUM HEIGHT	+++	+++	+++	+++	+++	+++	-	-	-
ADJUSTMENT FROM ABOVE	-	-	-	-	-	-	+++	+++	+++
LIGHT LOAD	+++	х	х	х	х	x	+++	+++	+++
MEDIUM LOAD	-	++	++	++	++	++	++	++	++
HEAVY LOAD	-	+++	+++	+++	++	+++	+	+	+
FITTED BY WELDING	+++	+++	+++	+++ (only against plate)	+++	+++	+++	+++	+++ (only against plate)
FITTED BY PART WELDING	-	-	-	-	-	-	-	-	-
FITTED USING BOLTS	-	-	-	+++	-	-	-	-	+++
MAX. FOOT INCLINATION 10°	+++	+++	+++	+++	+++	+++	+++	+++	+++
OPTIONAL ADJUSTMENT WITHOUT TOOLS	+ Only mod.20/25/30	+ Only mod.20/25/30	+ Only mod.20/25/30	+ Only mod.20/25/30	+ Only mod.20/25/30	+ Only mod.20/25/30	+++	+++	+++
FOOT DISTANCED FROM THE VERTICAL OF THE BASE	-	-	+++	+++	-	+++	-	+++	+++
GREASE LUBRICATOR	+++	+++	+++	+++	+++	+++	+++	+++	+++
DUST CUP AT THE FOOT JOINT	++	++	++	++	++	++	++	++	++
PRATICALITY OF APPLICATION	++	+	+++	++	++	+++	+++	+++	++
PAINTING THE BODY AFTER APPLICATION	+++	+++	+++	+++	+++	+++	+++	+++	+++
NITRIDED SCREW AND COMPONENTS	+++	+++	+++	+++	+++	+++	++ Nitriding of screw on request	++ Nitriding of screw on request	++ Nitriding of screw on request
ECONOMY	EXTREMELY GOOD	MEDIUM GOOD	MEDIUM	LOW	GOOD	GOOD	MEDIUM GOOD	MEDIUM	LOW

VALUE EXPLANATION: From the lowest to the highest cost: EXTREMELY GOOD, VERY GOOD, GOOD, MEDIUM GOOD, MEDIUM, LOW



art. SLVRB +ST mod. RBF1	art.SLVRB +ST+PS mod. RBF2	art.SLVRB +ST+PFF mod. RBF3	art.SLVRB +CQA/L mod. RBS1	art.SLVRB +CFQ mod. RBS2	art.SLVRB +STC mod. RBS3	art.SLVRB +CFA/L mod. RBS4	art.SLVRB +STC+FR/FF mod. RBS5	art.SLVRB +STC+FQ/FF mod. RBS6
Pag. 28	Pag. 29	Pag. 30	Pag. 31	Pag. 32	Pag. 33	Pag. 34	Pag. 35	Pag. 36
+++	+++	+++	+++	+++	+++	+++	+++	+++
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
x	x	х	+++	x	х	x	x	х
++	++	++	++	++	++	++	++	++
+++	+++	+++	+	+++	+++	+++	+++	+++
+++	+++	+++ (only against plate)	+++	-	+++	+++ (ring only)	+++ (only against plate)	+++ (only against plate)
-	-	-	-	+++	-	-	-	-
-	-	+++	-	-	-	+++	+++	+++
+++	+++	+++	+++	+++	+++	+++	+++	+++
-	-	-	-	-	-	-	-	-
-	+++	+++	-	-	-	-	-	-
+++	+++	+++	+++	+++	+++	+++	+++	+++
+++	+++	+++	+++	+++	+++	+++	+++	+++
+++	+++	+	++	++	+++	+++	++	++
+++	+++	+++	+++	+++	+++	+++ (welded ring only)	+++	+++
+++	+++	+++	+++	+++	+++	+++	+++	+++
VERY GOOD	GOOD	LOW	EXTREMELY GOOD	VERY GOOD	GOOD	EXTREMELY GOOD	MEDIUM	MEDIUM



SAMPLES DISPLAY Range comprising eighteen models of Stabiliser for every single diameter of screw.

"RT" SERIES STABILISERS COMPRISING 6 MODELS WITH SCREWS FROM TR20 - TR60: Dimensional photos of some SLV products with each model from the smallest to the largest, using a pen in each photo to indicate size. (pen size Ø10xL.140 mm)







"RA" SERIES STABILISERS COMPRISING 3 MODELS WITH SCREWS TR20 - TR25 - TR30.



"RB" SERIES STABILISERS COMPRISING 9 MODELS WITH SCREWS FROM TR20 - TR60:





# LEVELLING AND PRESSING ELEMENTS

All of the Levelling stabilisers using trapezoidal screws presented on the following pages are part of the new range of products assembled to the latest technology, with which various technical problems regarding levelling of machines, plant, equipment, trolleys, as well as pressing and scarfing, can be resolved in an easy and practical way.

Until now every single metalworking company facing these problems had to project an appropriate stabiliser and them construct it using trapezoidal bars, steel nuts etc, with the result being conditioned by the type of components that were available.

To meet the diverse needs of applications we have developed eighteen standard models of Stabilisers for each diameter of trapezoidal screw from TR20 to TR60, subdivided in three series namely **"RT-RA-RB"**, to be applied to the side of, or under, the machine base, and these are:

### RT SERIES STABILISERS - mod.RT F1/6 - to be fitted to the side of the machine - adjustable from the HEAD of the trapezoidal screw - general purpose heavy.

These levelling elements have adjustment and locking of the screw from on top of the screw itself. By selecting the model most appropriate for the project they are particularly suitable for applications involving high stress. They are also optimal for use in the presence of vibrations as the system, with locking ring from above, offers greater positioning stability with the possibility of using a second locking ring if necessary (an optional extra).

Normally with all the "**RT**" models the trapezoidal screw can be removed from the bottom but, if necessary, it can also be removed from the top of the Stabiliser, avoiding the need to lift the machine (especially if it is heavy) to perform maintenance work on the stabiliser.

# RA SERIES STABILISERS - mod.RA F1/6 - to be fitted to the side of the machine - adjustable from above the trapezoidal screw (without bending down) general purpose.

Specific elements for frequent adjustments of low/medium loads with maximum ease of manoeuvring without having to bend (see specific maximum load details in the data tables on pages 23-25). As well as the standard lengths shown in the tables this product is also available to custom heights upon request. The "**RA**" models allow the removal of the trapezoidal screw from above of the Stabiliser with maximum ease without having to lift the machine to perform maintenance work on the stabiliser.

# • RB SERIES STABILISERS - mod.RB F1/3 - to be fitted to the side of the machine - adjustment from below the trapezoidal screw - specific uses. - mod.RB S1/6 - to be fitted under the machine - adjustment from below the trapezoidal screw - specific uses.

Designed to optimize applications in wet environments or outdoors in that the screw and the foot are respectively protected from above by the normally closed body and by the nylon cover. The adjustment from below ensures trouble-free setting even in cases where adjustment is rare. The two locking nuts below also offer good positioning stability.

The "**RB**" models do not offer the removal of the screw from above the stabiliser (unlike the preceding **RT** and **RA** series) and therefore before fitting them on heavy machinery special consideration should be given to versions bolted to the side so that if maintenance work is required on the stabiliser the machine does not need to be lifted clear of the length of the screw should its removal be needed.

The wide range of products offered makes it possible to use a standard item on every single personalised project the user creates.

All of our Levelling Stabilisers are supplied with a pivot foot in nitrided steel with spherical seat, locking ring (or rings) and steel, load bearing, nut.

Every model has characteristics which allow fitting by welding or by bolting and pinning.

The Stabiliser body is normally supplied without any surface treatment ready for welding and in cases where bolted to the machine it is assumed that it will be painted when painting the machinery or equipment.

The trapezoidal screw of the standard series Stabiliser, in R50 nitrided steel, normally has a right thread. Nitriding is a treatment to harden the surface of the metal and offers good resistance to oxidisation.

The pivot foot is also in nitrided steel and can operate to an inclination of up to 10° in respect of the trapezoidal screw axis. The part above the foot is protected by a metal dust cup and whenever the Stabiliser is used in wet conditions, or when in contact with aggressive substances, we recommend using the **"RB"** series as these are supplied with a nylon cover.

All of the Stabilisers for screw fitting are supplied complete with threaded counter plate for welding to the base of the machine, bolts and supporting pins. In cases where the counter plate is not necessary, because fitting is done directly on the machine base, the Stabiliser is supplied without counter plate.

On request, we can supply the "RT" series Stabiliser with double ring to prevent unscrewing, component listed on the product page as optional.

# • TECHNICAL WARNING

The levelling Stabilisers have technical characteristics that mean that they can only be used in compression as the pivot foot is connected to the trapezoidal screw by a snap ring that is not suitable for load bearing lifting of the foot and consequently they cannot be used for traction. In cases in which there are vibrations that can alter the horizontal position of the machine on the floor we have designed positioning brackets to use on a rubber sheet or for anchoring to the floor using bolts. In situations where there is a risk of the machine tipping over it is important to use the Anti-Tip brackets listed in this catalogue.

The maximum load indicated in the table refers to the yield load limit sustainable axially in a static situation between the screw and nut without any safety factor; machinery regulations also have to be taken into account for correct choice and use of the Stabiliser. As described later the load has to be supported by an adequate fitting to the structure, that is sufficiently robust and with welding carried out by expert hands as per our instructions, with a minimum section of

5 mm k and using electrodes that we recommend. *Bimeccanica* is responsible for the structure of the Stabiliser including any welding we have done but not for the fitting to the machine structure carried out by the user.

In the versions that are screwed and pinned, with the same structural requisites, the bolts and pins supplied by us should be used (bolt quality is classe 8.8).

**Example:** Having to use 4 Stabilisers to support and level machinery with a total weight of 8,000 Kgs. respecting the safety coefficient of "4" as foreseen by the regulations for machinery, the choice goes on an item that has unitary load limit of 8,000 Kgs. minimum in which by using 4 Stabilisers the machine conforms with the above regulations. Naturally in addition to the correct method of fitting one has to also consider machine vibrations and possible transversal oscillations that normally require supports of larger dimensions, as well as evaluating the use of Anti-Slip Base Plates and Anti-Tip Brackets.

Warning: having to use this system for footboards or for moving of people, the regulations foresee a safety coefficient of "8" and given the same conditions of



"RT" SERIES STABILISERS from TR20 to TR60 - for fitting to the side of the machinery.









Load pressure - for use



# art.SLV...RT+CQA/L mod.RT...F1

# General purpose

## "RT" series levelling Stabiliser 20/60

## For welding on side of machine - **adjustment from the screw head**.

### Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CQA/L nut with grease nipple.
- Bevelled square washer.
- GH/TR Locking ring.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having positioning at 60° increments GH/TRM.
- (optional) for mod.20/25/30 adjustable Crank handle (lift & drop in 60° segments).
- (optional) second Locking ring GH/TR.

Fitting to the machine by a minimum welding section of 5 mm  $\mathbf{k}$  on the nut perimeter with special *Castolin EC 4080* electrodes available from us. Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

\* The maximum static load is not shown on the data table in that fitting this product by welding between the machine base and nut is not suitable for particularly heavy loads because, if overloaded, the welding may come apart.

For similar applications but with heavier loads in safety we recommend the Stabiliser on the following page **art.SLV..RT+T** fitted with Safety Support, or for more simplicity with **l'art.SLV..RT+PS** e **SLV..RT+PFF** (see pages 18-19)

The RT Series screws, from  $\mbox{TR20}$  to  $\mbox{TR30},$  have an internal hexagon+ thread for fitting a Crank handle.

The RT Series screws, from TR35 to TR60, have an external hexagon.













Illustration of a machine base using levelling Stabilisers. art.SLV...RT+CQA/L mod.RT...F1



Normally trapezoidal screw is removed from below.

If necessary, to avoid lifting heavy machines, the screw can be removed from above by removing the snap ring from the pivot foot and unscrewing the trapezoidal screw until the lower ring contacts the nut, extracting the TR screw by forcing the unscrewing action. To refit reverse the above instructions.

- The stabilisers can be positioned on the front and back as in the illustration or alternatively on the left and right sides of the base.
- If more stable positioning is required on the floor we recommend adding non-slip base plates (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 - 41) is crucial.

IMPORTANT: Stabilisers suitable for medium/light loads with reference to welding without TDS Safety Supports. Bimeccanica is not responsible for the structural fitting to the machine conducted by the user.

	CODE	ARTICLE	1+	OPTIMAL	. TRAVEL		0	п	S	CH	CH	STATIC LOAD	WEIGHT
SCREW	CODE	ANTIGEL	LI	# minimum	maximum	LU	u	U	FOOT PROJECTION	HEXAGONAL	WRENCH	LIMIT MAX Kg	Kg
TR 20x4	2RT0020	SLV20 RT+CQA/L	210	60	90	70	40	60	10	8 INT.	40/42	*	1,470
TR 25x5	2RT0025	SLV25 RT+CQA/L	213	60	90	77	45	65	10	10 INT.	45/50	*	1,990
TR 30x6	2RT0030	SLV30 RT+CQA/L	215	70	100	84	50	70	10	12 INT.	45/50	*	2,630
TR 35x6	2RT0035	SLV35 RT+CQA/L	269	80	120	96	60	75	7,5	24 EST.	58/62	*	4,230
TR 40x7	2RT0040	SLV40 RT+CQA/L	271	80	120	98	60	80	10	27 EST.	58/62	*	4,690
TR 45x8	2RT0045	SLV45 RT+CQA/L	321	90	140	116	65	85	10	32 EST.	68/75	*	6,450
TR 50x8	2RT0050	SLV50 RT+CQA/L	359	90	150	126	75	90	7,5	36 EST.	68/75	*	9,140
TR 55x9	2RT0055	SLV55 RT+CQA/L	360	90	150	140	85	100	7,5	38 EST.	80/90	*	11,820
TR 60x9	2RT0060	SLV60 RT+CQA/L	360	90	150	140	85	100	7,5	41 EST.	80/90	*	12,420

Load pressure - for use



# art.SLV...RT+T mod.RT...F2

# 2 Heavy purpose use

# "RT" series levelling Stabiliser 20/60

# For welding on side of machine - adjustment from the screw head. Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CQA/L nut with grease nipple.
- TDS Safety Support.
- Bevelled square washer.
- GH/TR Locking ring.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having positioning at 60° increments GH/TRM.
- (optional) for mod.20/25/30 Crank handle.
- (optional) second Locking ring GH/TR.

**Fitting to the machine** by a minimum welding section of 5 mm vertically on the sides of the CQA/L nut and around the perimeter of the TDS Safety Support including the final connection between CQA/L and the TDS; all this using special *Castolin "EC 4080"* electrodes available from us together with technical instructions for correct welding.

Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

The maximum static load in the data table is without safety coefficient and therefore for correct use keep to machinery regulations which provide for a **coefficient of 4** (see indications below).

The RT Series screws, from **TR20** to **TR30**, have an internal hexagon+ thread for fitting a Crank handle.

The RT Series screws, from TR35 to TR60, have an external hexagon.



D

# Pivoting foot 10 in all positions

exclusively in compression







ADJUSTMENT AND LOCKING



Illustration of a machine base using levelling Stabilisers.
art.SLV...RT+T mod.RT...F2



Normally trapezoidal screw is removed from below

If necessary, to avoid lifting heavy machines, the screw can be removed from above by removing the snap ring from the pivot foot and unscrewing the trapezoidal screw until the lower ring contacts the nut, extracting the TR screw by forcing the unscrewing action. To refit reverse the above instructions.

- The stabilisers can be positioned on the front and back as in the illustration or alternatively on the left and right sides of the base.
- If more stable positioning is required on the floor we recommend adding non-slip base plates (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 - 41) is crucial.

() The external dimensions of the square tubes shown in brackets are used only in case of non availability of the first size. **IMPORTANT:** respecting machinery norms for the above mentioned coefficient of "4", the weight of the machinery must not exceed the Maximum Load in the table of a single Stabiliser using 4 Stabilisers on the corners. *Bimeccanica* is not responsible for the structural fitting to the machine conducted by the user.

TRAPEZOIDAL	CODE	ABTICLE	1+	OPTIMAL	. TRAVEL	10	Т	0	п	S	CH	CH	STATIC LOAD	WEIGHT
SCREW	CODE	AITIGLE	LL	# minimum	maximum	LU		ų	U	FOOT PROJECTION	HEXAGONAL	WRENCH	MAX Kg	Kg
TR 20x4	2RT0120	SLV20 RT+T	210	60	90	80	60	40	60	10	8 INT.	40/42	5.000	1,690
TR 25x5	2RT0125	SLV25 RT+T	213	60	90	92	65 (70)	45	65	10	10 INT.	45/50	8.000	2,330
TR 30x6	2RT0130	SLV30 RT+T	215	70	100	94	70	50	70	10	12 INT.	45/50	11.000	2,930
TR 35x6	2RT0135	SLV35 RT+T	269	80	120	106	80	60	75	7,5	24 EST.	58/62	17.000	4,660
TR 40x7	2RT0140	SLV40 RT+T	271	80	120	108	80	60	80	10	27 EST.	58/62	20.000	5,120
TR 45x8	2RT0145	SLV45 RT+T	321	90	140	136	90 (100)	65	85	10	32 EST.	68/75	28.000	7,290
TR 50x8	2RT0150	SLV50 RT+T	359	90	150	136	100	75	90	7,5	36 EST.	68/75	37.000	9,910
TR 55x9	2RT0155	SLV55 RT+T	360	90	150	160	110 (120)	85	100	7,5	38 EST.	80/90	45.000	13,160
TR 60x9	2RT0160	SLV60 RT+T	360	90	150	160	110 (120)	85	100	7,5	41 EST.	80/90	56.000	13,760

# art.SLV...RT+PS mod.RT...F3 Heavy use - general purpose

#### "RT" series levelling Stabiliser 20/60

# For welding on side of machine - adjustment from the screw head. Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CQA/L nut with grease nipple.
- TDS Safety Support with welded plate/spacer.
- Bevelled square washer.
- GH/TR Locking ring.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having positioning at 60° increments GH/TRM.
- (optional) for mod.20/25/30 adjustable Crank handle (lift & drop in 60° segments).
- (optional) second Locking ring GH/TR.

Fitting to the machine by a minimum welding section of 5 mm  $\blacktriangleright$  around the perimeter of the iron (Fe) plate/spacer. Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

The maximum static load in the data table is without safety coefficient and therefore for correct use keep to machinery regulations which provide for a **coefficient of 4** (see indications below).

The RT Series screws, from **TR20** to **TR30**, have an internal hexagon+ thread for fitting a Crank handle.

The RT Series screws, from TR35 to TR60, have an external hexagon.





Illustration of a machine base using levelling Stabilisers. art.SLV...RT+PS mod.RT...F3



Trapezoidal screw is removed from below.

If necessary, to avoid lifting heavy machines, the screw can be removed from above by removing the snap ring from the pivot foot and unscrewing the trapezoidal screw until the lower ring contacts the nut, extracting the TR screw by forcing the unscrewing action. To refit reverse the above instructions.

• The stabilisers are positioned on the front and back as in the illustration or alternatively on the left and right sides of the base.

- If more stable positioning is required on the floor we recommend adding **non-slip base plates** (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 41) is crucial.

IMPORTANT: respecting machinery norms for the above mentioned coefficient of "4", the weight of the machinery must not exceed the Maximum Load in the table of a single Stabiliser using 4 Stabilisers on the corners. *Bimeccanica* is not responsible for the structural fitting to the machine conducted by the user.

	CODE		1+	OPTIMAL	. TRAVEL	10	ID	ΛP	п	S	CH	CH	STATIC LOAD	WEIGHT
SCREW	CODE	AITTOLL		# minimum	maximum	10	LF	ųr	U	PLATE PROJECTION	HEXAGONAL	WRENCH	LIMIT MAX Kg	Kg
TR 20x4	2RT0220	SLV20 RT+PS	210	60	90	100	80	52	60	2	8 INT.	40/42	5.000	2,460
TR 25x5	2RT0225	SLV25 RT+PS	213	60	90	100	90	57	65	2	10 INT.	45/50	8.000	3,160
TR 30x6	2RT0230	SLV30 RT+PS	215	70	100	120	90	62	70	2	12 INT.	45/50	11.000	3,890
TR 35x6	2RT0235	SLV35 RT+PS	269	80	120	120	100	72	75	4,5	24 EST.	58/62	17.000	5,730
TR 40x7	2RT0240	SLV40 RT+PS	271	80	120	120	100	72	80	2	27 EST.	58/62	20.000	6,220
TR 45x8	2RT0245	SLV45 RT+PS	321	90	140	150	120	77	85	2	32 EST.	68/75	28.000	9,000
TR 50x8	2RT0250	SLV50 RT+PS	359	90	150	150	120	87	90	4,5	36 EST.	68/75	37.000	11,610
TR 55x9	2RT0255	SLV55 RT+PS	360	90	150	200	150	100	100	7,5	38 EST.	80/90	45.000	16,580
TR 60x9	2RT0260	SLV60 RT+PS	360	90	150	200	150	100	100	7,5	41 EST.	80/90	56.000	17,400













# art.SLV...RT+PFF mod.RT...F4 Heavy use - general purpose

# "RT" series levelling Stabiliser 20/60

With threaded plate for welding, or directly bolting, to the side of the machine. Adjustment from the screw head.

# Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CQA/L nut with grease nipple.
- TDS Safety Support with slotted Plate S1. Threaded Plate S2.
- Bevelled square washer.
- GH/TR Locking ring.
- Fitting bolts and holding pins.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having positioning at 60° increments GH/TRM.
- (optional) for mod.20/25/30 adjustable Crank handle (lift & drop in 60° segments).
- (optional) second Locking ring GH/TR.

Fitting to the machine by a minimum welding section of 5 mm  $\blacktriangleright$  to iron (Fe) threaded plate S2 or alternatively fitting slotted plate S1 directly on the base of the machine. Possibility of removing the Stabiliser by undoing the fitting bolts and holding pins. Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

The maximum static load in the data table is without safety coefficient and therefore for correct use keep to machinery regulations which provide for a coefficient of 4 (see indications below).

# Symbols:

### S1 = Plate with through holes FP

S2 = Plate with threaded holes FF (plate can be excluded on request of client) S0 = Holes for Holding pins.











ADJUSTMENT AND LOCKING





COMPLETE CLOSURE ON REQUEST

The **S1** and **S2** plates are marked by us as pairs to help the user during installation or maintenance.

Illustration of a machine base using levelling Stabilisers. art.SLV...RT+PFF mod.RT...F4



- The stabilisers are positioned on the front and back as in the illustration or alternatively on the left and right sides of the base.
- If more stable positioning is required on the floor we recommend adding non-slip base plates (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 - 41) is crucial.

If not using the threaded plate S2 the "S" quota remains positive and therefore the pivot foot will not come into contact with the side of the machine. IMPORTANT: respecting machinery norms for the above mentioned coefficient of "4", the weight of the machinery must not exceed the Maximum Load in the table of a single Stabiliser using 4 Stabilisers on the corners. *Bimeccanica* is not responsible for the structural fitting to the machine conducted by the user.

	CODE	ARTICLE	1 t	OPTIMAL TRAVEL	. TRAVEL	10	IP	0P	Α	в	11	12	FP	FF	SØ	D	S	CH	CH	STATIC LOAD	WEIGHT
SCREW				# min.	max.	1		ÿ	~	5	••	12	N.8	N.8	N.2	5	PROJECTION	HEX.	WRENCH	MAX Kg	Kg
TR 20x4	2RT0320	SLV20 RT+PFF	210	60	90	120	120	67	12	12	96	24	Ø10,5	M10	12	60	17	8 i.	40/42	5.000	4,710
TR 25x5	2RT0325	SLV25 RT+PFF	213	60	90	120	150	72	15	12	120	24	Ø13	M12	12	65	17	10 i.	45/50	8.000	6,110
TR 30x6	2RT0330	SLV30 RT+PFF	215	70	100	120	150	77	15	12	120	24	Ø13	M12	12	70	17	12 i.	45/50	11.000	6,710
TR 35x6	2RT0335	SLV35 RT+PFF	269	80	120	150	160	87	15	15	130	30	Ø15	M14	16	75	19,5	24 E.	58/62	17.000	9,580
TR 40x7	2RT0340	SLV40 RT+PFF	271	80	120	150	160	87	15	15	130	30	Ø15	M14	16	80	17	27 E.	58/62	20.000	10,060
TR 45x8	2RT0345	SLV45 RT+PFF	321	90	140	200	200	100	20	20	160	40	Ø17	M16	16	85	25	32 E.	68/75	28.000	18,020
TR 50x8	2RT0350	SLV50 RT+PFF	359	90	150	200	200	110	20	20	160	40	Ø17	M16	16	90	27,5	36 E.	68/75	37.000	20,730
TR 55x9	2RT0355	SLV55 RT+PFF	360	90	150	200	220	120	20	20	180	40	Ø19	M18	20	100	27,5	38 E.	80/90	45.000	25,240
TR 60x9	2RT0360	SLV60 RT+PFF	360	90	150	200	220	120	20	20	180	40	Ø19	M18	20	100	27,5	41 E.	80/90	56.000	25,840



# art.SLV...RT+ST mod.RT...F5 General purpose

### "RT" series levelling Stabiliser 20/60

# For welding on side of machine - adjustment from the screw head. Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CFQ nut inserted in tubular support, interchangeable by simply un-welding.
- Tubular support.
- Bevelled square washer.
- GH/TR Locking ring.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having positioning at 60° increments GH/TRM.
- (optional) for mod.20/25/30 adjustable Crank handle (lift & drop in 60° segments).
- (optional) second Locking ring GH/TR.

Fitting to the machine by a minimum welding section of 5 mm  $\mathbf{k}$  on two sides of the iron (Fe) tube positioning the marking on the front.

Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

The maximum static load in the data table is without safety coefficient and therefore for correct use keep to machinery regulations which provide for a **coefficient of 4** (see indications below).

The RT Series screws, from **TR20** to **TR30**, have an internal hexagon + thread for fitting a Crank handle.

The RT Series screws, from TR35 to TR60, have an external hexagon.



D

in all positions



(the following RT F6 model is more suitable for heavy loads)





ADJUSTMENT AND LOCKING



Illustration of a machine base using levelling Stabilisers.

art.SLV...RT+ST mod.RT...F5



Trapezoidal screw is removed from below.

If necessary, to avoid lifting heavy machines, the screw can be removed from above by removing the snap ring from the pivot foot and unscrewing the trapezoidal screw until the lower ring contacts the nut, extracting the TR screw by forcing the unscrewing action. To refit reverse the above instructions.

- The stabilisers are positioned on the front and back as in the illustration or alternatively on the left and right sides of the base.
- If more stable positioning is required on the floor we recommend adding non-slip base plates (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 - 41) is crucial.

IMPORTANT: respecting machinery norms for the above mentioned coefficient of "4", the weight of the machinery must not exceed the Maximum Load in the table of a single Stabiliser using 4 Stabilisers on the corners. *Bimeccanica* is not responsible for the structural fitting to the machine conducted by the user.

TRAPEZOIDAL	CODE		1.4	OPTIMAI	TRAVEL	10	0	n	S	СН	CH	STATIC LOAD	WEIGHT
SCREW	CODE	ANTIGLE		# minimum	maximum	LU	u	U	FOOT PROJECTION	ESAG.	SETTORE	LIMIT MAX Kg	Kg
TR 20x4	2RT0420	SLV20 RT+ST	210	50	80	120	40	60	10	8 INT.	40/42	5.000	1,630
TR 25x5	2RT0425	SLV25 RT+ST	213	55	85	122	45	65	10	10 INT.	45/50	8.000	2,150
TR 30x6	2RT0430	SLV30 RT+ST	215	60	90	124	50	70	10	12 INT.	45/50	11.000	2,790
TR 35x6	2RT0435	SLV35 RT+ST	269	70	100	141	60	75	7,5	24 EST.	58/62	17.000	4,390
TR 40x7	2RT0440	SLV40 RT+ST	271	70	110	143	60	80	10	27 EST.	58/62	20.000	4,820
TR 45x8	2RT0445	SLV45 RT+ST	321	70	120	173	70	85	7,5	32 EST.	68/75	28.000	7,340
TR 50x8	2RT0450	SLV50 RT+ST	359	80	140	188	80	90	5	36 EST.	68/75	37.000	10,310
TR 55x9	2RT0455	SLV55 RT+ST	360	80	140	192	90	100	5	38 EST.	80/90	45.000	13,030
TR 60x9	2RT0460	SLV60 RT+ST	360	80	140	192	90	100	5	41 EST.	80/90	56.000	17,290



#### art.SLV...RT+ST+PS mod.RT...F6 Heavy use - general purpose

## "RT" series levelling Stabiliser 20/60

With spacer plate for welding to the side of the machine. Adjustment from the screw head.

### Comprising:

- Trapezoidal screw (TR20/60) with pivot foot.
- CFQ/L nut inserted in tubular support, interchangeable by simply un-\_ welding.
- Tubular support with welded plate/spacer. \_
- \_ Bevelled square washer.
- GH/TR Locking ring.
- (optional) Round nosed pin wrench.
- (optional) for mod.20/25/30 Locking ring with handle having position-\_ ing at 60° increments GH/TRM.
- (optional) for mod.20/25/30 adjustable Crank handle (lift & drop in 60° seaments).
- (optional) second Locking ring GH/TR.

Fitting to the machine by a minimum welding section of 5 mm  $\blacktriangleright$  around the perimeter of the iron (Fe) plate/spacer. Normally the Stabiliser is fitted on the machine base with the foot on the ground, with the screw travel at minimum # described in the table in order to have the maximum range of travel adjustment.

The maximum static load in the data table is without safety coefficient and therefore for correct use keep to machinery regulations which provide for a coefficient of 4 (see indications below).

The RT Series screws, from TR20 to TR30, have an internal hexagon + thread for fitting a Crank handle.

The RT Series screws, from TR35 to TR60, have an external hexagon.









ADJUSTMENT AND LOCKING



Illustration of a machine base using levelling Stabilisers art.SLV...RT+ST+PS mod.RT...F6



Trapezoidal screw is removed from below

If necessary, to avoid lifting heavy machines, the screw can be removed from above by removing the snap ring from the pivot foot and unscrewing the trapezoidal screw until the lower ring contacts the nut, extracting the TR screw by forcing the unscrewing action. To refit reverse the above instructions.

- The stabilisers are positioned on the front and back as in the illustration or alternatively on the left and right sides of the base
- If more stable positioning is required on the floor we recommend adding non-slip base plates (page. 39).
- In situations where there is a risk of the machine tipping the fitting of Anti-tip brackets (pages. 40 - 41) is crucial.

IMPORTANT: respecting machinery norms for the above mentioned coefficient of "4", the weight of the machinery must not exceed the Maximum Load in the table of a single Stabiliser using 4 Stabilisers on the corners. Bimeccanica is not responsible for the structural fitting to the machine conducted by the user.

TRAPEZOIDAL	CODE		1.4	OPTIMAL	TRAVEL	10	ID	0.D	n	S	СН	СН	STATIC LOAD	WEIGHT
SCREW	CODE	ANTIGLE		# minimum	maximum	LU	LF	ųг	U	PLATE PROJECTION	HEXAGONAL	WRENCH	LIMIT MAX Kg	Kg
TR 20x4	2RT0520	SLV20 RT+ST+PS	210	50	80	120	50	52	60	2	8 INT.	40/42	5.000	2,100
TR 25x5	2RT0525	SLV25 RT+ST+PS	213	55	85	145	60	57	65	2	10 INT.	45/50	8.000	2,720
TR 30x6	2RT0530	SLV30 RT+ST+PS	215	60	90	150	60	62	70	2	12 INT.	45/50	11.000	3,470
TR 35x6	2RT0535	SLV35 RT+ST+PS	269	70	100	150	70	72	75	4,5	24 EST.	58/62	17.000	5,180
TR 40x7	2RT0540	SLV40 RT+ST+PS	271	70	110	150	70	72	80	2	27 EST.	58/62	20.000	5,610
TR 45x8	2RT0545	SLV45 RT+ST+PS	321	70	120	180	80	82	85	4,5	32 EST.	68/75	28.000	8,470
TR 50x8	2RT0550	SLV50 RT+ST+PS	359	80	140	185	100	92	90	7	36 EST.	68/75	37.000	11,720
TR 55x9	2RT0555	SLV55 RT+ST+PS	360	80	140	235	120	105	100	10	38 EST.	80/90	45.000	15,860
TR 60x9	2RT0560	SLV60 RT+ST+PS	360	80	140	235	120	105	100	10	41 EST.	80/90	56.000	16,500