

TECNA[®]

Resistance Welding Systems & Balancers



General Catalogue FOOD INDUSTRY Balancers

CAPACITY 0,2 ÷ 180 kg



FOOD INDUSTRY
BALANCERS



www.tecna.net



TECNA S.P.A. - VIA MEUCCI, 27 - CASTEL SAN PIETRO TERME

TECNA produces and distributes a complete range of BALANCERS having a capacity from 0.2 kg to 180 kg and an available standard wire stroke up to 3 meters. The TECNA BALANCER is an essential device to eliminate the operator's labour, to increase productivity by cutting down tools handling time and to improve work quality. Furthermore, the use of the TECNA BALANCERS reduces hoses and cables wear and avoids eventual damages to both people and tools.

The application of the TECNA BALANCER is absolutely versatile: it may be used for bench or assembly line works and it may be suitably applied to small tools, industrial suspended welders and multiple screw drivers. The ergonomic structure of the TECNA balancers has been designed to facilitate each application of use, ranging from movement easiness to body robustness, from simple use to lifting power.

TECNA, as a primary manufacturer, realizes special as well as customized versions upon demand.



TECNA S.P.A. - VIA GR



Fabbricato in Italia





MECO, 25/27 - CASTEL SAN PIETRO TERME



CE EAC UK
CA

DIN
15112

FOOD & BEVERAGE



MEAT PROCESSING



DAIRY INDUSTRY



BAKERY & CONFECTIONERY

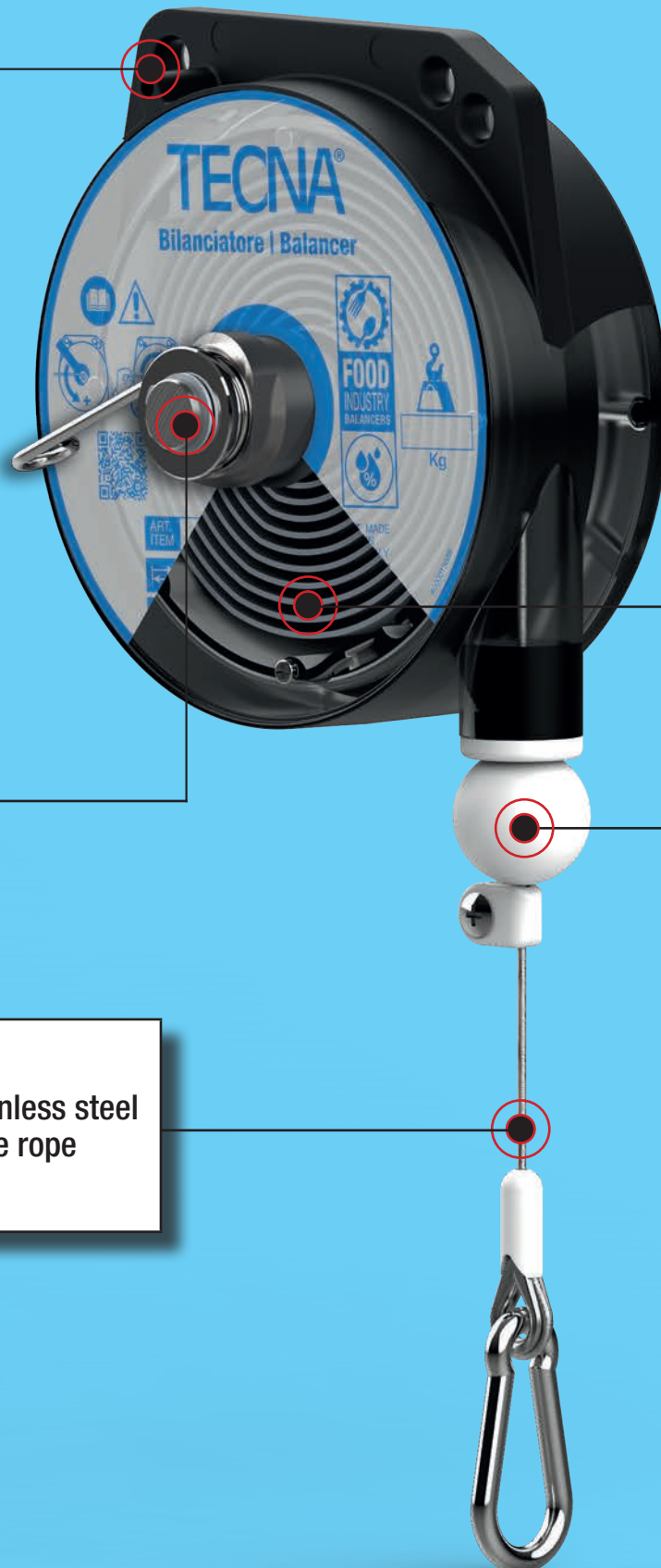


INDUSTRIAL WASHING & SANITISING



RETRACTORS

Aluminium housing
with Hard Anodizing
treatment
Resistant to
oxidation and
chemical aggression



Rustproof and
Stainless Steel
exterior materials

Full Stainless steel
wire rope

NSF-H1 certified
food grade grease

H1

Food Grade Rope
guide, Shock
absorber and wire
cap



**FOOD
INDUSTRY
BALANCERS**



9310IL÷9313IL

9320IL÷9323IL



	1600 mm
	0,2÷3 kg



	2000 mm
	1÷8 kg



9336LIL÷9340IL

9346LIL÷9350IL



	2500 mm
	0,5÷14 kg



STOP



	2500 mm
	0,5÷14 kg

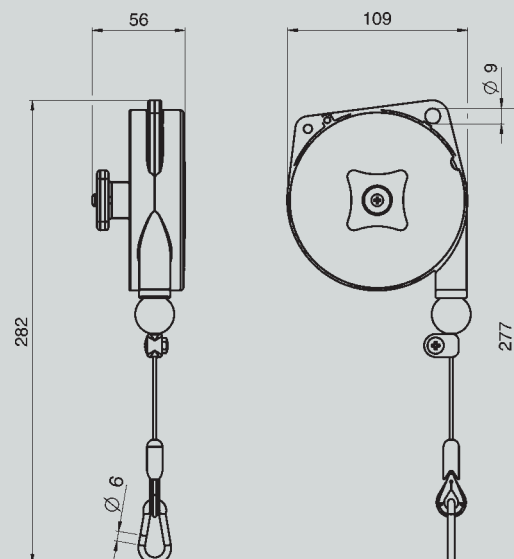


BALANCERS TECHNICAL FEATURES

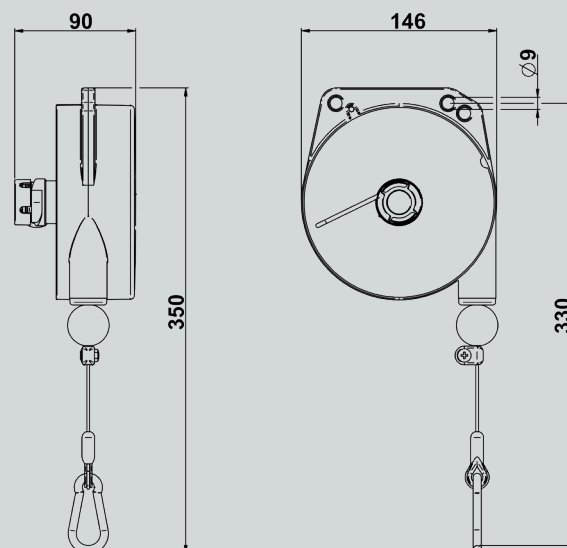


		
9310IL	0,2÷0,5 kg	1600 mm
9311IL	0,4÷1,0kg	1600 mm
9312IL	1,0÷2,0 kg	1600 mm
9313IL	2,0÷3,0 kg	1600 mm
9320IL	1,0÷2,5 kg	2000 mm
9321IL	2,0÷4,0 kg	2000 mm
9322IL	4,0÷6,0 kg	2000 mm
9323IL	6,0÷8,0 kg	2000 mm
9336LIL	0,5÷2,0 kg	2500 mm
9336IL	2,0÷4,0 kg	2500 mm
9337IL	4,0÷6,0 kg	2500 mm
9338IL	6,0÷8,0 kg	2500 mm
9339IL	8,0÷10 kg	2500 mm
9340IL	10÷14 kg	2500 mm
*9346LIL	0,5÷2,0 kg	2500 mm
*9346IL	2,0÷4,0 kg	2500 mm
*9347IL	4,0÷6,0 kg	2500 mm
*9348IL	6,0÷8,0 kg	2500 mm
*9349IL	8,0÷10 kg	2500 mm
*9350IL	10÷14 kg	2500 mm

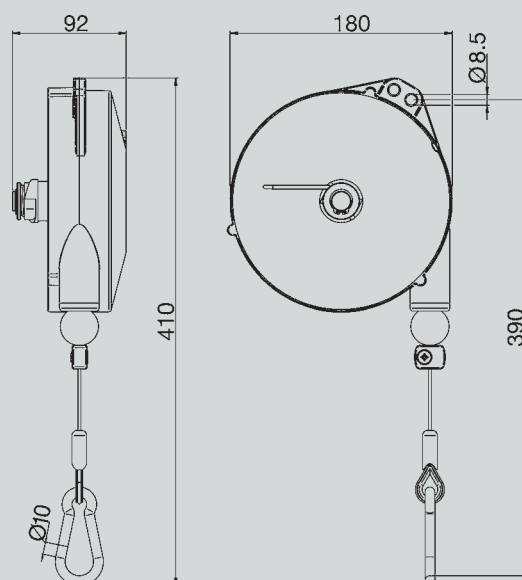
* STOP device



9310IL÷9313IL

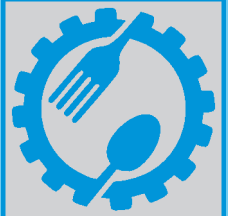


9320IL÷9323IL



9336LIL÷9350IL

ZERO GRAVITY BALANCERS



**FOOD
INDUSTRY
BALANCERS**



Rustproof and
Stainless Steel
exterior materials

Aluminium housing with high-strength
Rilsan treatment
against oxidation
and chemical
aggression
from soaps and
detergents.
Facilitates cleaning
and sanitising of the
surface

Rustproof and
Stainless Steel
Interior Materials

Full Stainless steel
wire rope

NSF-H1 Certified
Food Grade Grease

H1

Food Grade Rope
guide, Shock
absorber and wire
cap



9354RL÷9359RL



2000 mm



4÷25 kg



9502RL÷9525RL



OPTION B1
(7190000010)



2100 mm

2700 mm



12÷100 kg





***OPTION B1**

*This option is feasible when placing a new order while it is not possible to assemble this device on balancers already installed.

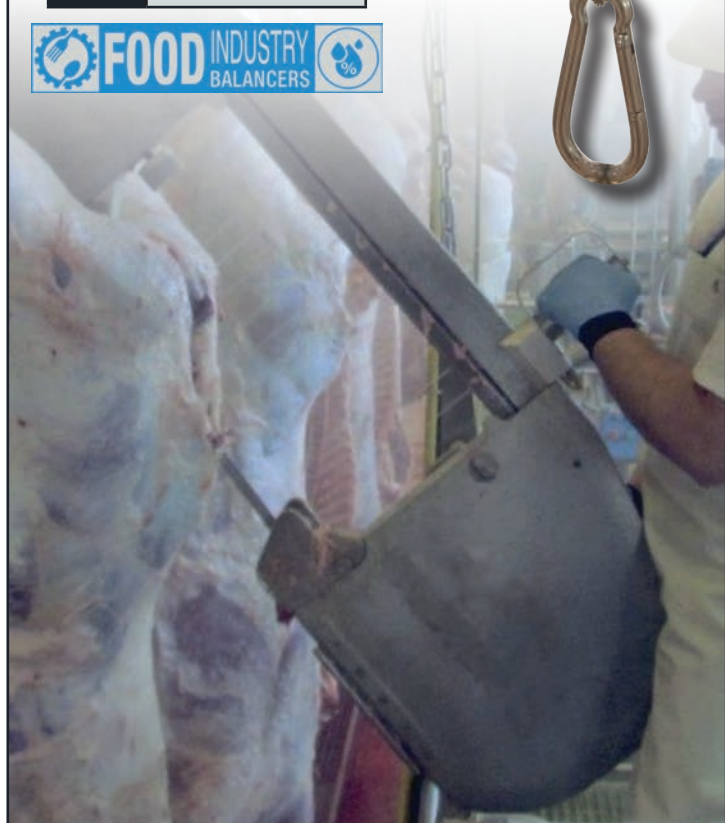
	2000 mm
	10÷75 kg



***OPTION B1**

*This option is feasible when placing a new order while it is not possible to assemble this device on balancers already installed.

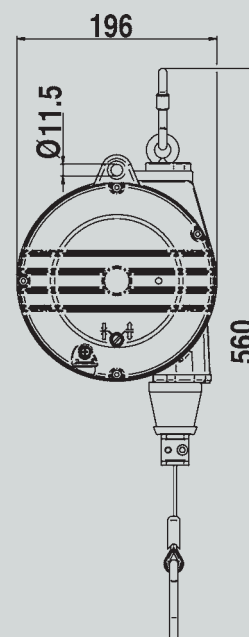
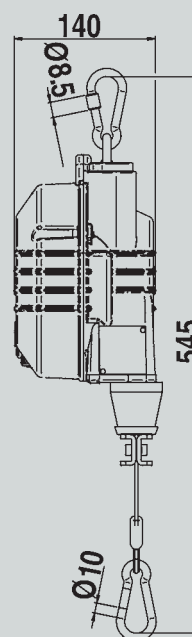
	2500 mm
	3000 mm
	35÷180 kg



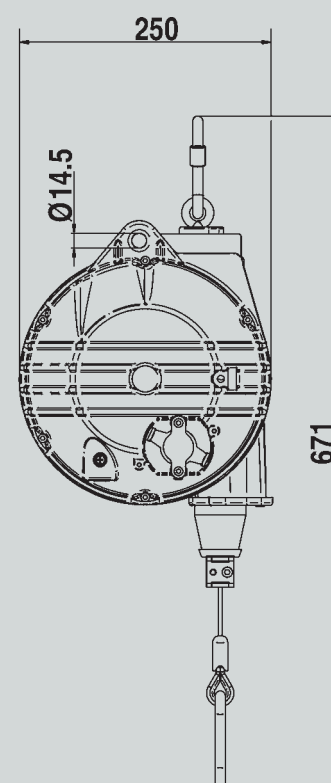
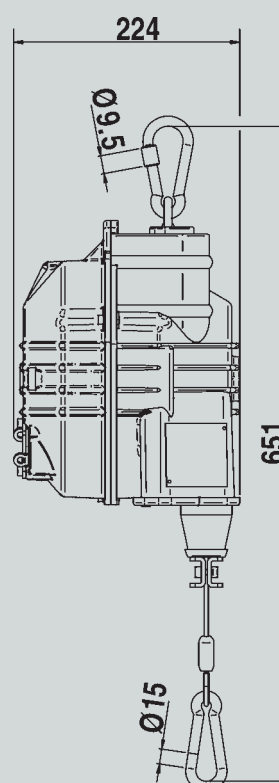
BALANCERS TECHNICAL FEATURES



		
9354RL	4,0÷7,0 kg	2000 mm
9355RL	7,0÷10 kg	2000 mm
9356RL	10÷14 kg	2000 mm
9357RL	14÷18 kg	2000 mm
9358RL	18÷22 kg	2000 mm
9359RL	22÷25 kg	2000 mm
9502RL	20÷30 kg	2100 mm
9503RL	30÷40 kg	2100 mm
9504RL	40÷50 kg	2100 mm
9505RL	50÷60 kg	2100 mm
9506RL	60÷70 kg	2100 mm
9507RL	70÷80 kg	2100 mm
9508RL	80÷90 kg	2100 mm
9509RL	90÷100 kg	2100 mm
9520RL	12÷20 kg	2700 mm
9521RL	20÷30 kg	2700 mm
9522RL	30÷40 kg	2700 mm
9523RL	40÷50 kg	2700 mm
9524RL	50÷60 kg	2700 mm
9525RL	60÷70 kg	2700 mm



9354RL÷9359RL

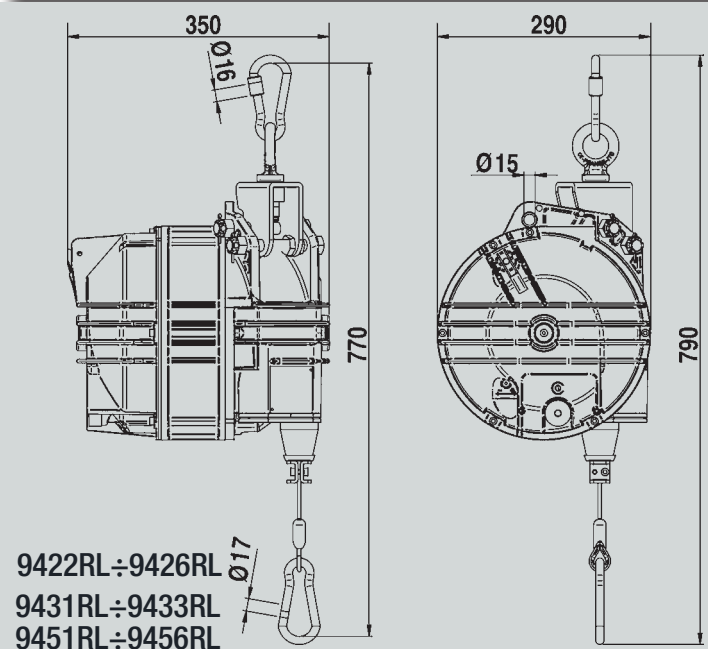
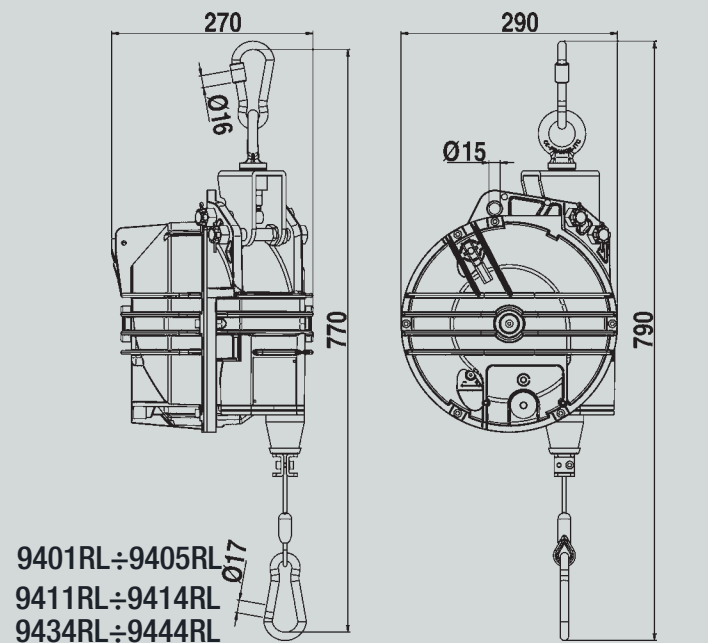
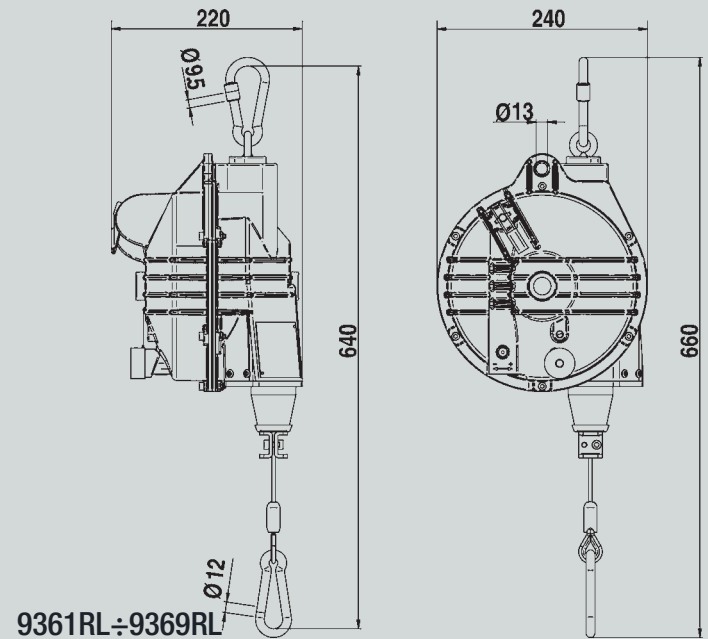


9502RL÷9525RL

BALANCERS TECHNICAL FEATURES

		
9361RL*	10÷15 kg	2000 mm
9362RL*	15÷20 kg	2000 mm
9363RL*	20÷25 kg	2000 mm
9364RL*	25÷30 kg	2000 mm
9365RL*	30÷35 kg	2000 mm
9366RL*	35÷45 kg	2000 mm
9367RL*	45÷55 kg	2000 mm
9368RL*	55÷65 kg	2000 mm
9369RL*	65÷75 kg	2000 mm
9401RL*	15÷20 kg	2500 mm
9402RL*	20÷30 kg	2500 mm
9403RL*	30÷40 kg	2500 mm
9404RL*	40÷50 kg	2500 mm
9405RL*	50÷60 kg	2500 mm
9411RL*	60÷70 kg	2500 mm
9412RL*	70÷80 kg	2500 mm
9413RL*	80÷90 kg	2500 mm
9414RL*	90÷100 kg	2500 mm
9422RL*	100÷120 kg	2500 mm
9423RL*	120÷140 kg	2500 mm
9424RL*	130÷150 kg	2500 mm
9425RL*	140÷160 kg	2500 mm
9426RL*	160÷180 kg	2500 mm
9431RL*	15÷20 kg	3000 mm
9432RL*	20÷25 kg	3000 mm
9433RL*	25÷35 kg	3000 mm
9434RL*	35÷45 kg	3000 mm
9435RL*	40÷50 kg	3000 mm
9436RL*	50÷60 kg	3000 mm
9441RL*	60÷70 kg	3000 mm
9442RL*	70÷80 kg	3000 mm
9443RL*	80÷90 kg	3000 mm
9444RL*	80÷100 kg	3000 mm
9451RL*	100÷115 kg	3000 mm
9452RL*	115÷130 kg	3000 mm
9453RL*	130÷140 kg	3000 mm
9454RL*	140÷150 kg	3000 mm
9455RL*	150÷160 kg	3000 mm
9456RL*	160÷180 kg	3000 mm

* Centrifugal Safety Device



YOU ARE IN GOOD HANDS



TECNA BALANCERS are manufactured in Italy, following the highest quality standards, built to last and to help you work with best performance and ergonomics. We make your life better. **TECNA BALANCERS** are essential in eliminating operator fatigue and injuries, increasing productivity by reducing cycle times and improving the quality of the production.

TECNA BALANCERS safeguard your tools, hoses and cables thus increasing their lifetime and your productivity.

TECNA is a leading worldwide manufacturer. Products, spare parts and assistance can be found easily anywhere and everywhere. Just contact us if you don't know a local dealer and we'll support you and guide you to the closest Tecna distributor.

Some numbers game:

Almost 6.000.000 **TECNA BALANCERS** manufactured. TECNA sells on average more than 160.000 BALANCERS per year, with more than 300 different models and possibility of further customisation. One of the most complete range of products available on the market, with load range up to 180kg (400lbs) and rope stroke up to 4,5m (14ft).

More than 2.000 hours of R&D per year are dedicated to product development for balancers. 4 registered patents. 3 new patents pending. You are in good hands.

AND there's a lot more to TECNA than just a large structure and big numbers. There's competence, there's professionalism, there's thought, there's flexibility. There's PEOPLE. We're here to listen and to provide solutions wherever possible. We're fast, we're flexible. We can handle urgency and we can handle special requests.

TECNA BALANCERS are SAFEST.

All balancers are manufactured in conformity with the DIN 15112 Directive.

All TECNA PRODUCTS undergo thorough testing to ensure maximum safety and performance in time. Breaking load is guaranteed minimum 5 times the declared maximum load for all sensible parts.

Cables are bare, in order to ensure quick visual inspection. TECNA offers cable choice: Stainless steel, Dyneema® or Polypropylene.

Different materials on cables allow **TECNA BALANCERS** to be used in many different situations, for example where a steel cable might scratch delicate objects.

Innovation and improvement are constant and continuous.

TECNA BALANCERS behave excellently and prove their rugged sturdiness also in extreme working conditions, such as heavy duty applications, meat processing industry, outdoor conditions, as well as extremely repeating high-rate uses on assembly lines tool suspension, where long life means higher production.

TECNA was the first to develop a dedicated line with ATEX certification, suitable for use in areas with a potentially explosive atmosphere composed of flammable gases or combustible materials.

TECNA BALANCERS are good and tough and allow you to do a lot more than just suspend loads or tools. Just use them and you will see, the only limit is your creativity. And when you don't find an answer, just contact us and we'll listen. **TECNA BALANCERS** are just so good that you can forget about them... but don't forget to use them!

WHY FOOD INDUSTRY LINE

TECNA balancers are increasingly used in new applications and environmental conditions, they are known worldwide for their strong build, durability, performance and ease of use. Every time you buy TECNA balancers, you buy the leading product, Made in Italy, with an added value: you buy quality, you buy research and innovation, service and assistance. You will never be alone again.

That's why we thought: what more can we do? What more can we give? Our FOOD INDUSTRY LINE is the answer.



Rust-proof and stainless steel inner parts Tough and suitable for heavy-duty

In detail

ZERO GRAVITY balancers with completely stainless parts, both outside and inside; food-grade grease NSF-H1 certified; aluminium housing with high-resistance Rilsan treatment against oxidation and chemical aggression of soaps and detergents, with low surface rugosity to improve cleaning and sanitizing efficiency against dirt and bacteria.

RETRACTOR balancers feature stainless steel on all external parts; food grade grease NSF-H1 certified; aluminium housing with hard anodization treatment, resistant to oxidation and chemical aggression.

All the safety solutions, in which you have placed your trust over the years, remain unchanged.

Applications range from the food and beverage industry to the dairy industry, from meat processing and slaughtering to the sausage industry, from sweets to bread, from seeds and nuts to fruits and vegetables, from washing and sanitizing to chemical or saline environments.

You need it, we solve it.



Stainless steel loop&hook with increased resistance to wear

What do you ask of a balancer?

Ergonomics, production efficiency, easy handling and lifting of tools and equipment. Less stress on your back and joints for a better quality of life and safety, at work as well at home.

Robustness in all conditions, in all environments. The ATEX product line was TECNA's first step towards safety in Explosive Atmospheres.

The extreme working conditions are always pushing for more performing products. Tecna has the mission to excel and the commitment to a constant improvement to follow and anticipate the needs.

The new FOOD INDUSTRY LINE brings the excellence of balancers in extreme working environments: a product that can work in the presence of steam, moisture and humidity, resistant to chemical aggression of cleaning and sanitizing products.



Stainless steel hardware & food grade plastics Stainless steel cable and carabiner



G

NY

AX

ESD

IL

RL



						Kg	lb	mm	inch	Kg	lb
9300		NY				0,2÷0,5	0,44÷1,1	1600	62,99	0,43	0,95
9301		NY				0,4÷1	0,88÷2,20	1600	62,99	0,46	1,01
9302		NY				1÷2	2,20÷4,41	1600	62,99	0,49	1,08
9303		NY				2÷3	4,41÷6,61	1600	62,99	0,64	1,41
9310		NY	AX	ESD	IL	0,2÷0,5	0,44÷1,1	1600	62,99	0,55	1,21
9311		NY	AX	ESD	IL	0,4÷1	0,88÷2,20	1600	62,99	0,57	1,26
9312		NY	AX	ESD	IL	1÷2	2,20÷4,41	1600	62,99	0,60	1,32
9313		NY	AX	ESD	IL	2÷3	4,41÷6,61	1600	62,99	0,74	1,63

9320		NY	AX	ESD	IL	1÷2,5	2,20÷5,51	2000	78,74	1,67	3,68
9321		NY	AX	ESD	IL	2÷4	4,41÷8,82	2000	78,74	1,90	4,19
9322		NY	AX	ESD	IL	4÷6	8,82÷13,23	2000	78,74	1,98	4,37
9323		NY	AX	ESD	IL	6÷8	13,23÷17,63	2000	78,74	2,28	5,03

9336L		NY	AX	ESD	IL	0,5÷2	1,1÷4,41	2500	98,43	3,14	6,92
9336		NY	AX	ESD	IL	2÷4	4,41÷8,82	2500	98,43	3,14	6,92
9337		NY	AX	ESD	IL	4÷6	8,82÷13,23	2500	98,43	3,30	7,28
9338		NY	AX	ESD	IL	6÷8	13,23÷17,63	2500	98,43	3,36	7,41
9339		NY	AX	ESD	IL	8÷10	17,63÷22,05	2500	98,43	3,43	7,56
9340		NY	AX	ESD	IL	10÷14	22,05÷30,86	2500	98,43	3,58	7,89

9346L		NY	AX	ESD	IL	0,5÷2	1,1÷4,41	2500	98,43	3,14	6,92
9346		NY	AX	ESD	IL	2÷4	4,41÷8,82	2500	98,43	3,14	6,92
9347		NY	AX	ESD	IL	4÷6	8,82÷13,23	2500	98,43	3,32	7,32
9348		NY	AX	ESD	IL	6÷8	13,23÷17,63	2500	98,43	3,38	7,45
9349		NY	AX	ESD	IL	8÷10	17,63÷22,05	2500	98,43	3,48	7,67
9350		NY	AX	ESD	IL	10÷14	22,05÷30,86	2500	98,43	3,62	7,98

9354	G		AX	ESD	RL	4÷7	8,82÷15,43	2000	78,74	4,94	10,89
9355	G		AX	ESD	RL	7÷10	15,43÷22,05	2000	78,74	5,30	11,68
9356	G		AX	ESD	RL	10÷14	22,05÷30,86	2000	78,74	5,67	12,5
9357	G		AX	ESD	RL	14÷18	30,86÷39,68	2000	78,74	6,26	13,8
9358	G		AX	ESD	RL	18÷22	39,68÷48,50	2000	78,74	5,89	12,99
9359	G		AX	ESD	RL	22÷25	48,50÷55,12	2000	78,74	6,53	14,4

9361	G				RL	10÷15	22,05÷33,07	2000	78,74	9,91	21,85
9362	G				RL	15÷20	33,07÷44,10	2000	78,74	10,20	22,49
9363	G				RL	20÷25	44,10÷55,12	2000	78,74	10,48	23,1
9364	G				RL	25÷30	55,12÷66,14	2000	78,74	11,32	24,96
9365	G				RL	30÷35	66,14÷77,16	2000	78,74	11,32	24,96
9366	G				RL	35÷45	77,16÷99,21	2000	78,74	12,21	26,92
9367	G				RL	45÷55	99,21÷121,25	2000	78,74	12,21	26,92
9368	G				RL	55÷65	121,25÷143,3	2000	78,74	13,06	28,79
9369	G				RL	65÷75	143,3÷165,35	2000	78,74	13,86	30,56

9370	G					75÷90	165,35÷198,42	2000	78,74	16,84	37,13
9371	G					90÷105	198,42÷231,49	2000	78,74	17,77	39,18

9401	G				RL	15÷20	33,07÷44,10	2500	98,43	19,67	43,36
9402	G				RL	20÷30	44,10÷66,14	2500	98,43	21,11	46,54
9403	G				RL	30÷40	66,14÷88,18	2500	98,43	21,11	46,54
9404	G				RL	40÷50	88,18÷110,23	2500	98,43	22,03	48,57
9405	G				RL	50÷60	110,23÷132,28	2500	98,43	23,07	50,86

											
G NY AX ESD IL RL						Kg lb		mm inch		Kg lb	
9431	G				RL	15÷20	33,07÷44,10	3000	118,11	19,67	43,36
9432	G				RL	20÷25	44,10÷55,12	3000	118,11	19,67	43,36
9433	G				RL	25÷35	55,12÷77,16	3000	118,11	21,11	46,54
9411	G				RL	60÷70	132,28÷132,28	2500	98,43	25,56	56,35
9412	G				RL	70÷80	132,28÷176,37	2500	98,43	26,75	58,97
9413	G				RL	80÷90	176,37÷198,42	2500	98,43	27,90	61,51
9414	G				RL	90÷100	198,42÷220,46	2500	98,43	28,46	62,74
9434	G				RL	35÷45	77,16÷99,21	3000	118,11	24,46	53,93
9435	G				RL	40÷50	88,18÷110,23	3000	118,11	23,65	52,14
9436	G				RL	50÷60	110,23÷132,28	3000	118,11	24,69	54,43
9441	G				RL	60÷70	132,28÷132,28	3000	118,11	25,56	56,35
9442	G				RL	70÷80	132,28÷176,37	3000	118,11	26,75	58,97
9443	G				RL	80÷90	176,37÷198,42	3000	118,11	27,90	61,51
9444	G				RL	80÷100	176,37÷220,46	3000	118,11	28,46	62,74
9422	G				RL	100÷120	220,46÷264,56	2500	98,43	36,61	80,73
9423	G				RL	120÷140	264,56÷308,65	2500	98,43	38,51	84,9
9424	G				RL	130÷150	308,65÷330,69	2500	98,43	38,83	85,61
9425	G				RL	140÷160	330,69÷352,74	2500	98,43	40,90	90,17
9426	G				RL	160÷180	352,74÷396,83	2500	98,43	43,20	95,24
9451	G				RL	100÷115	220,46÷253,53	3000	118,11	36,61	80,71
9452	G				RL	115÷130	253,53÷308,65	3000	118,11	36,77	81,06
9453	G				RL	130÷140	308,65÷330,69	3000	118,11	38,51	84,9
9454	G				RL	140÷150	330,69÷330,69	3000	118,11	38,83	85,61
9455	G				RL	150÷160	330,69÷352,74	3000	118,11	40,90	90,17
9456	G				RL	160÷180	352,74÷396,83	3000	118,11	43,20	95,24
9502			AX	ESD	RL	20÷30	44,10÷66,14	2100	82,68	12,60	27,78
9503			AX	ESD	RL	30÷40	66,14÷88,18	2100	82,68	15,20	33,51
9504			AX	ESD	RL	40÷50	88,18÷110,23	2100	82,68	15,50	34,17
9505			AX	ESD	RL	50÷60	110,23÷132,28	2100	82,68	16,70	36,82
9506			AX	ESD	RL	60÷70	132,28÷132,28	2100	82,68	15,50	34,17
9507			AX	ESD	RL	70÷80	132,28÷176,37	2100	82,68	17,70	39,02
9508			AX	ESD	RL	80÷90	176,37÷198,42	2100	82,68	16,20	35,71
9509			AX	ESD	RL	80÷100	176,37÷220,46	2100	82,68	16,80	37,04
9520			AX	ESD	RL	12÷20	26,46÷44,10	2700	106,3	12,80	28,22
9521			AX	ESD	RL	20÷30	44,10÷66,14	2700	106,3	12,60	27,78
9522			AX	ESD	RL	30÷40	66,14÷88,18	2700	106,3	15,80	34,83
9523			AX	ESD	RL	40÷50	88,18÷110,23	2700	106,3	15,40	33,95
9524			AX	ESD	RL	50÷60	110,23÷132,28	2700	106,3	16,60	36,6
9525			AX	ESD	RL	60÷70	132,28÷132,28	2700	106,3	15,70	34,61
9200						0,4÷0,8	0,88÷1,76	1350	53,15	1,10	2,43
9201						0,75÷1,5	1,65÷3,31	1350	53,15	1,10	2,43
9202						1,2÷2,5	2,65÷5,51	1350	53,15	1,30	2,87
9203						3÷5	6,61÷11,02	900	35,43	1,30	2,87

APPLICATION LIST

PNEUMATICS

STITCHERS (Fabrics)

SCREWERS

DRILL

HAMMERS

EMERY

SANDERS

STAPLERS

RIVETERS

MARKING

STRAPPING

PACKAGING End Line

WOOD PACKAGING

INCORPORATED TRANSFORMER

WOOD - IRON

POWER

WELDING GUNS

SCREWERS

RIVETERS

STAPLERS

STRAPPING

SAWS

DRILL

EMERY

SANDERS

SEWERS

1. POWER TOOLS
2. AIR TOOLS
3. HIGH PRESSURE FLOOR POLISHER / CLEANING EQUIPMENT
4. STAPLING MACHINES
5. GUNS / AIRBRUSHES FOR SPRAY PAINT
6. SCREW GUNS
7. CUTTING MACHINES
8. NAILING MACHINES
9. TYING TOOLS FOR CABLES
10. SOLDERING IRONS
11. MARKER MACHINES
12. RIVETERS
13. STRAPPING
14. BOTTLING MACHINES
15. SHEET WELDING MACHINES
16. PUSH-BUTTON PANELS FOR CRANES
17. SUCTION SYSTEMS
18. EXHAUST GAS / COMBUSTION HOSES
19. ADJUSTABLE ARMS
20. ROBOT SUPPLY CABLES
21. X-RAY TOOLS & MEDICAL EQUIPMENT
22. ROBOT FOR DIMENSIONAL CONTROL

HYDRAULIC



RIVETERS

CLINCIATRICI

HYDRAULIC WRENCHES

SEPARATE TRANSFORMER

PACKING CARTONS

SLAUGHTER

SPECIAL APPLICATIONS

IRONS

VACUUM CLEANERS

SPORTS TOOLS

CLOSE DOOR

CABLE GUIDE

FUEL PUMPS

GARDENING

LEATHER PROCESSING

EV CHARGING STATIONS

FOOD&MEAT PROCESSING

ROBOTICS & AUTOMATION

LOGISTICS

TANK WASHING

- 23. TOOLS FOR SLAUGHTERHOUSES
- 24. TOOLS FOR WORKING THE ROCKS
- 25. CONVEYOR BELTS AND RAILS
- 26. POWER SUPPLY BUSBARS
- 27. TOOLS FOR WORKING WOOD
- 28. SUBMERSIBLE PUMPS AND STIRRERS
- 29. INDUSTRIAL SEWING MACHINES
- 30. TOOLS FOR PACKING
- 31. WELDING GUNS
- 32. WELDING JIGS
- 33. CALLIPERS FOR HOLES AND MICROMETERS
- 34. CABLE HOLDER IN ELECTRIC CABINS
- 35. MONITOR SUSPENSION
- 36. PIPES FOR PETROL PUMPS
- 37. HOSES FOR GAS PUMPS
- 38. FILLING MACHINES FOR THE FOOD INDUSTRY
- 39. SUSPENSION OF EQUIPMENT FOR LEATHER PROCESSING
- 40. ELECTRICAL AND PNEUMATIC STAPLERS
- 41. AIRBRUSHES AND GUNS FOR PAINTING
- 42. RIVETERS
- 43. PHOTOGRAPHY/CINEMA/THEATRE
- 44. REHAB EQUIPMENT

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