

Balancers Line

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1. TECNA balancers line

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.

2. Tips for choosing the balancer

Evaluate the total load to be balanced and the maximum working stroke required. Check that the load to be balanced is within the minimum and the maximum capacity of the balancer, while the working stroke should be less than the maximum stroke.

3. Product Certifications

The TECNA balancers are produced in conformity with the DIN 15112:1979 Directive and, thanks to their high structural technology and their compliance with the laws in force, they are BG certified by the German Institute DGUV for their safe use in the workplace. An ATEX-certified balancers line expands the TECNA balancers range. They are suitable to be installed in potentially explosive areas composed by flammable gases or explosive dusts.

4. Certifications achieved and in compliance with standards.

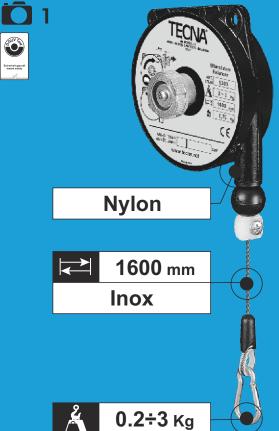
DIN 15112:1979

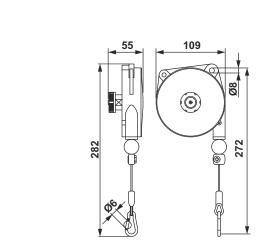






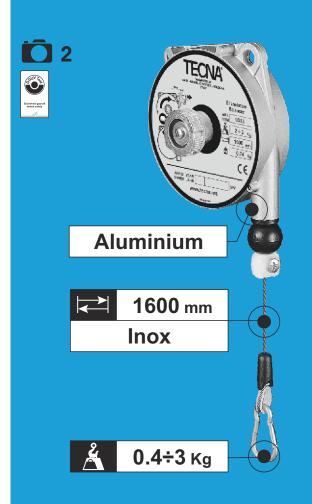
9300 ÷ 9305

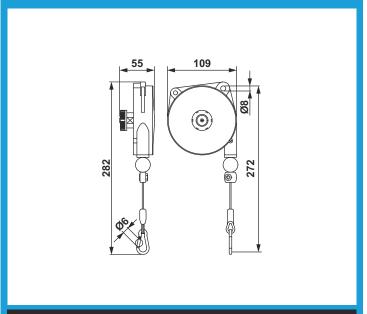




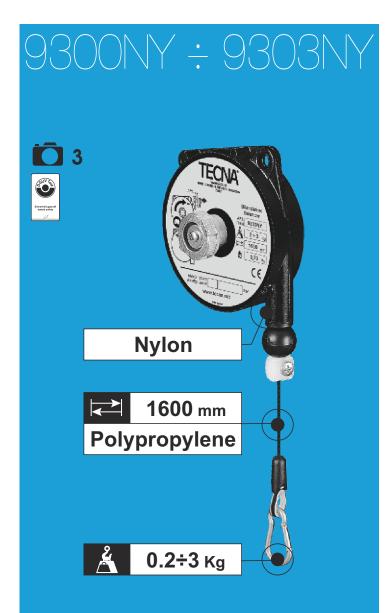
ltem	050	0301	03 ^{CV}	SS SS
Ž	0,2÷0,5	0,4÷1	1÷2	2÷3
Kg	0,43	0,46	0,49	0,64

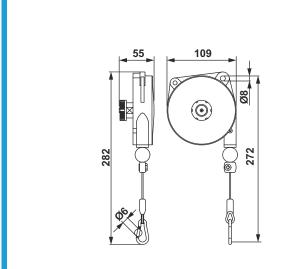
9311 ÷ 9313





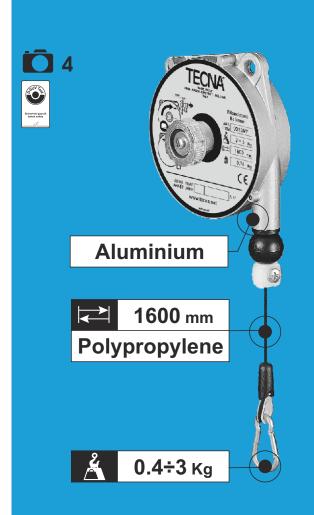
ltem	65^^	95°N	80
2	0,4÷1	1÷2	2÷3
Kg	0,57	0,60	0,74

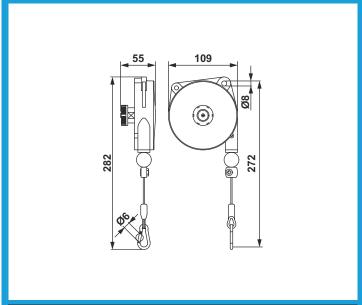




ltem	90Z	630/12	63012	03037
Å	0,2÷0,5	0,4÷1	1÷2	2÷3
Kg	0,40	0,50	0,60	0,70

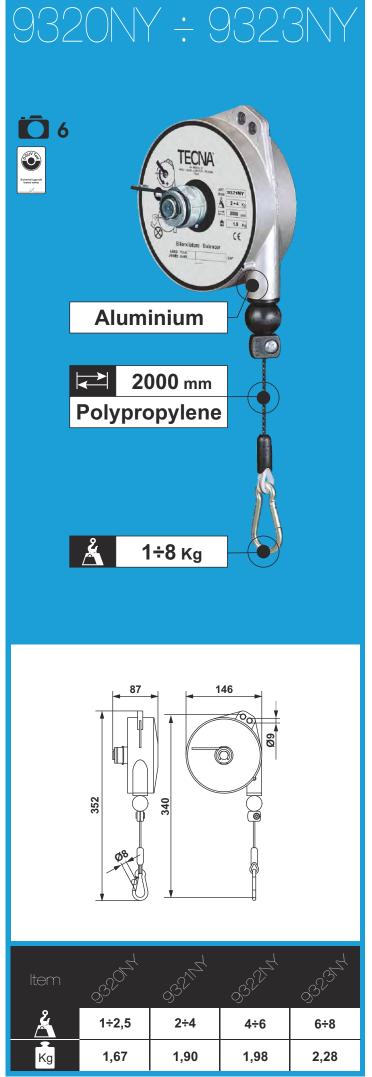
9311NY ÷ 9313NY

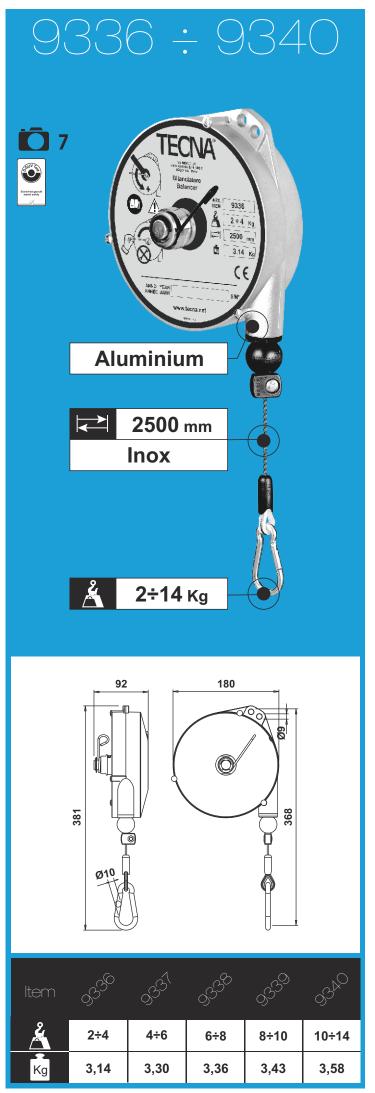


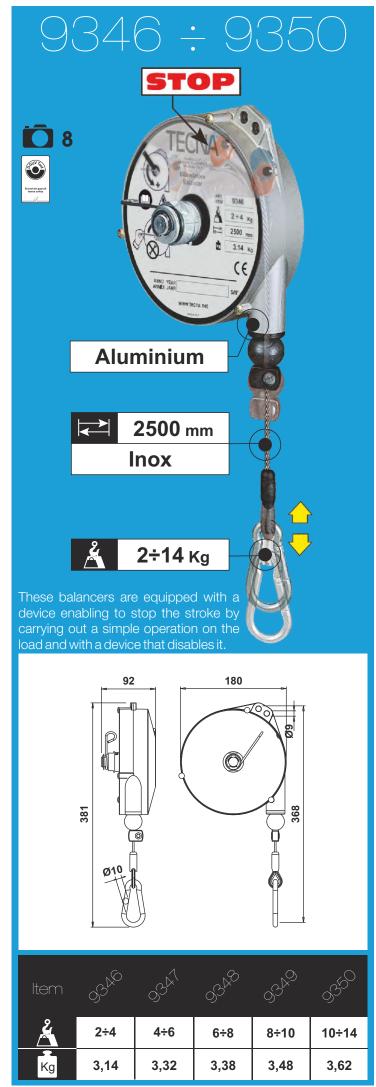


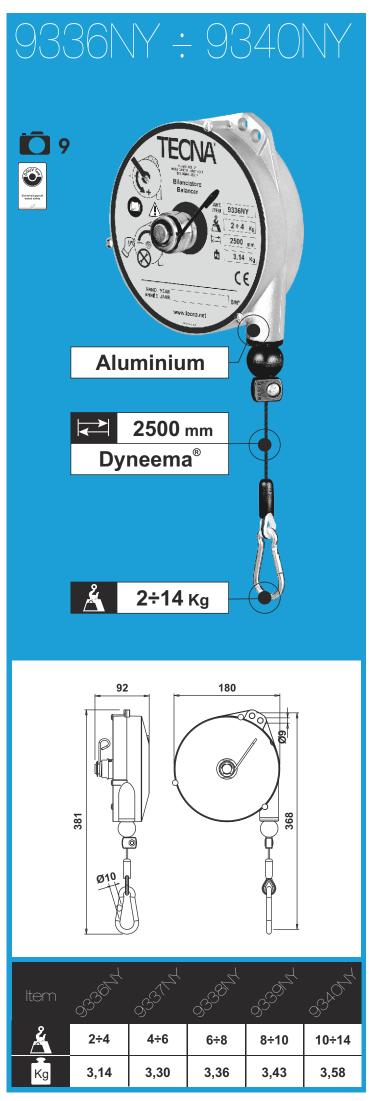
Item	65/NZ	85/VZ	85/3/27
Å	0,4÷1	1÷2	2÷3
Kg	0,55	0,60	0,75

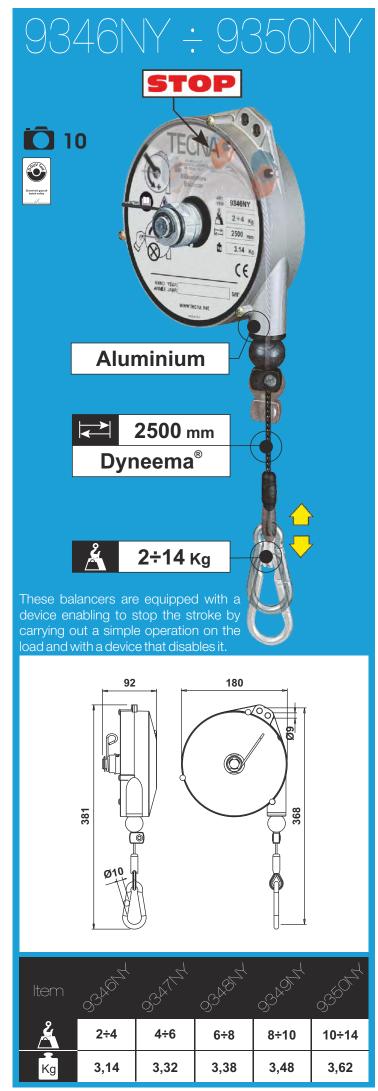


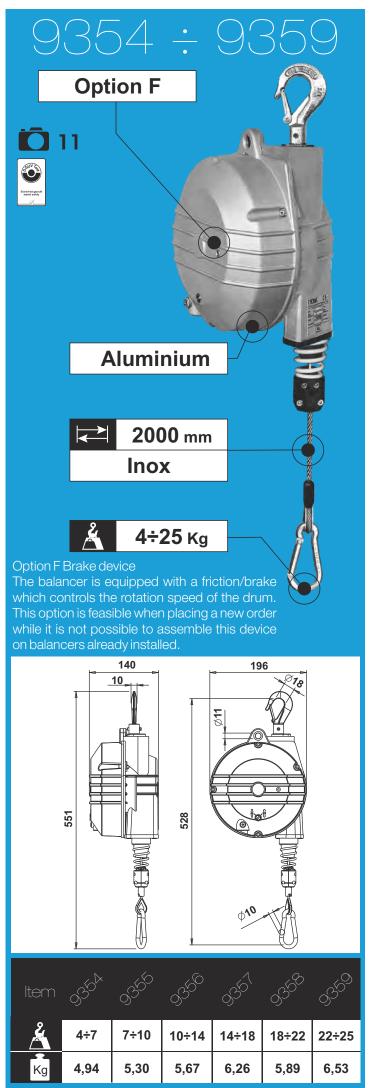


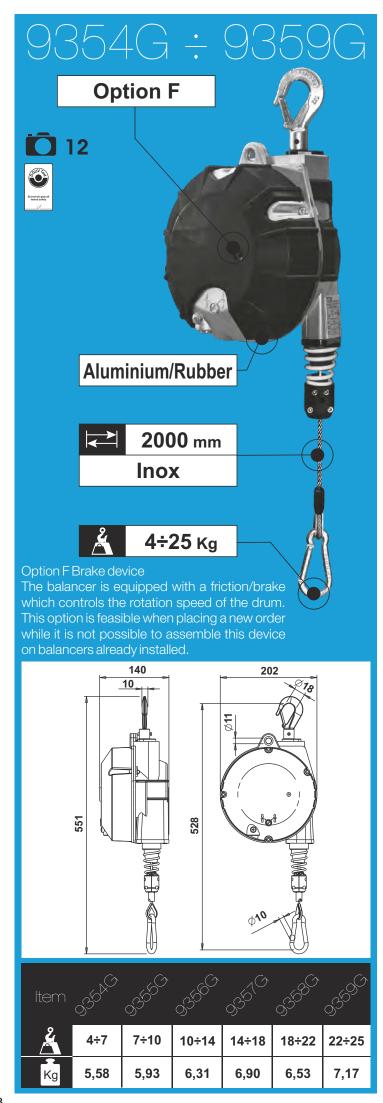


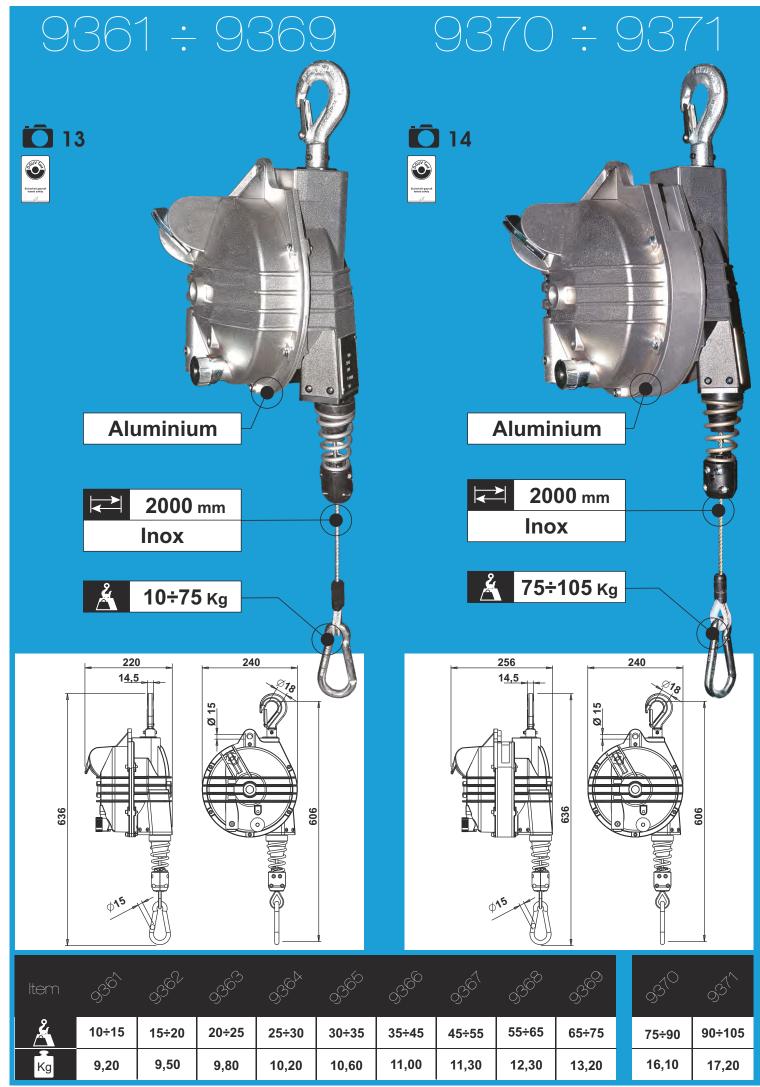












9361G ÷ 9369G

9370G ÷ 9371G

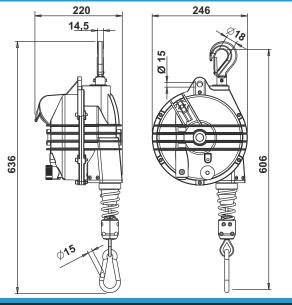


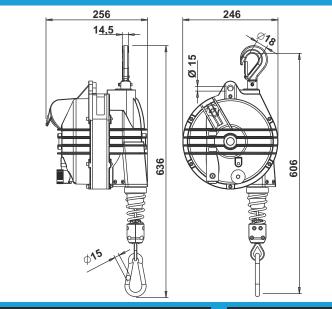




2000 mm Inox

² 75÷105 Kg





Item	650	03670	036 036	030	636	036C	036 036	036	656
2	10÷15	15÷20	20÷25	25÷30	30÷35	35÷45	45÷55	55÷65	65÷75
Kg	10,30	10,60	10,90	11,30	11,70	12,10	12,40	13,40	14,30



$9401 \div 9405$

9431 ÷ 9433









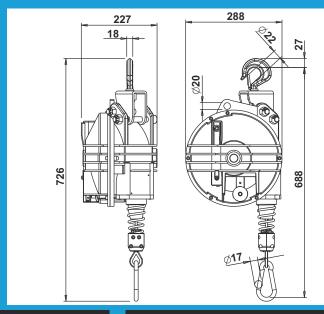
OPTION B Locking-unlocking device with control from the floor.

Aluminium

2500 mm 9401÷9405 3000 mm 9431÷9433 Inox

OPTION RI Rotary and insulating device.

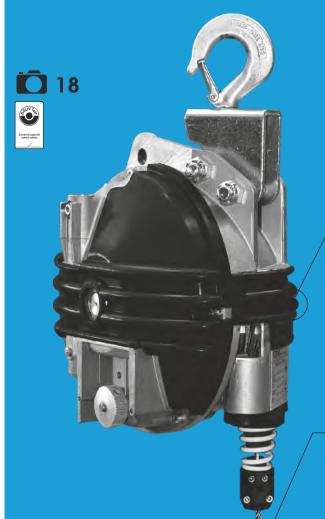
15÷60 Kg



Item	0 ^k 0 ¹	ONOV	ORCS	OKOK	0100
Ž	15÷20	20÷30	30÷40	40÷50	50÷60
Kg	19,67	21,11	21,11	22,03	23,07

ORS	OKSV	ok ^B
15÷20	20÷25	25÷35

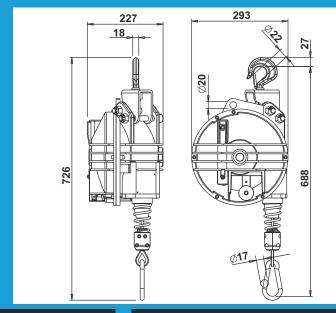
9401G ÷ 9405G 9431G ÷ 9433G



Aluminium/Rubber

2500 mm 9401G÷9405G 3000 mm 9431G÷9433G Inox

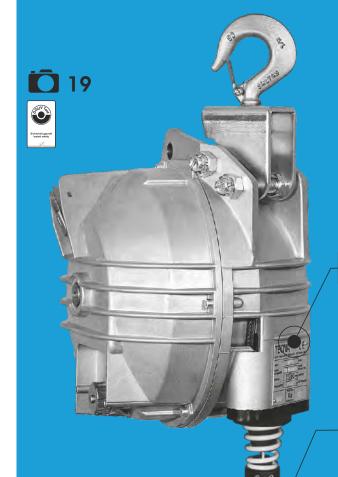
<u>Å</u> 15÷60 кg



ltem	0 ^{k0} (0	01020	9KGC	OKOKO	0400
Ž	15÷20	20÷30	30÷40	40÷50	50÷60
Kg	20,75	22,19	22,19	23,12	24,15

045	OKS PO	
15÷20	20÷25	25÷35
20,75	20,75	22,19

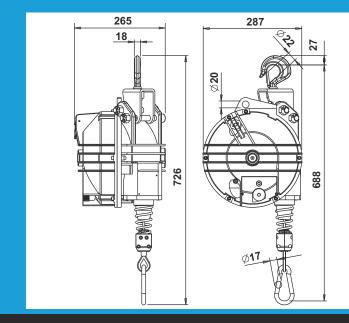
9411 ÷ 9414 9434 ÷ 9444



Aluminium

2500 mm 9411÷9414 **3000** mm 9434÷9444 Inox

35÷100 κg



ltem	0K^	ON	OKS	
2	60÷70	70÷80	80÷90	90÷100
Kg	25,56	26,75	27,90	28,46

OKOK	01/20	0 ^K	OKK	ONA	OKAS	OKKK
35÷45	40÷50	50÷60	60÷70	70÷80	80÷90	80÷100
24,46	23,65	24,69	25,56	26,75	27,90	28,46

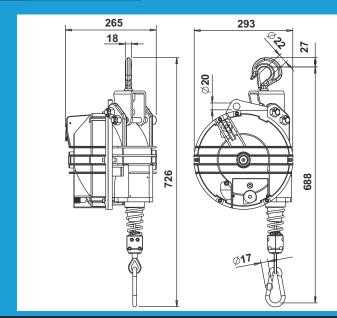
9411G ÷ 9414G 9434G ÷ 9444G



Aluminium/Rubber

2500 mm 9411G÷9414G
3000 mm 9434G÷9444G
Inox

35÷100 Kg

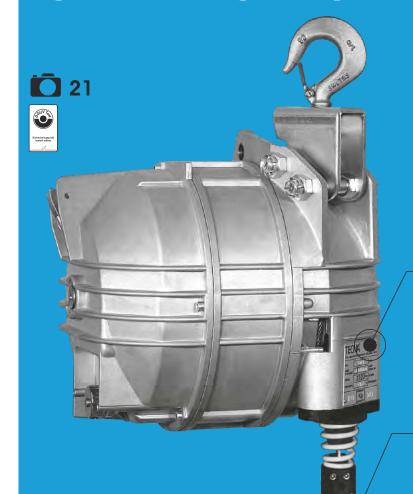


Item	0 ^K /C	OK C	0×30	OKAG
Ž	60÷70	70÷80	80÷90	90÷100
Kg	26,79	27,98	29,13	29,69

OKOKO	01250	OKSOS	ORAC	9 ^A A2C	OAASC	OLALG
35÷45	40÷50	50÷60	60÷70	70÷80	80÷90	80÷100
25,69	24,88	25,91	26,79	27,98	29,13	29,69

9422 ÷ 9426

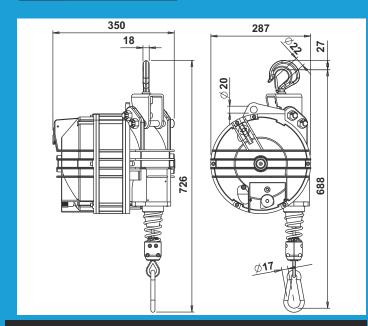
9451 ÷ 9456



Aluminium

2500 mm 9422÷9426 3000 mm 9451÷9456 Inox

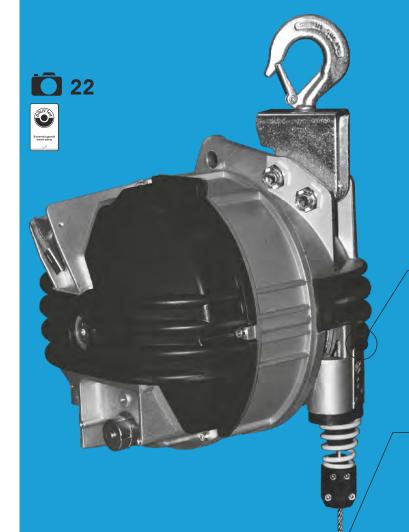
Ž 100÷180 кg



ltem	ORD	OKB	OKLA	ok lo	OKTO
Ž	100÷120	120÷140	130÷150	140÷160	160÷180
Kg	36,61	38,51	38,83	40,90	43,20

okó	0452		0100	01/00	OKO
100÷115	115÷130	130÷140	140÷150	150÷160	160÷180
36,61	36,77	38,51	38,83	40,90	43,20

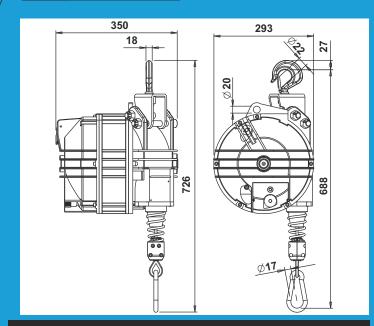
9422G ÷ 9426G 9451G ÷ 9456G



Aluminium/Rubber

2500 mm 9422G÷9426G
3000 mm 9451G÷9456G
Inox

<u>Å</u> 100÷180 κg



ltem	ONDO	0KV	OKIKO	ONTO	0 ^k 160
Ž	100÷120	120÷140	130÷150	140÷160	160÷180
Kg	37,83	39,74	40,06	42,13	44,43

0/5/0	OKOV	0 ¹ / ₂ 3	ONSAS	0450	okoo
100÷115	115÷130	130÷140	140÷150	150÷160	160÷180
37,83	37,99	39,74	40,06	42,13	44,43

502 ÷ 9509

9520 ÷ 9525









Aluminium

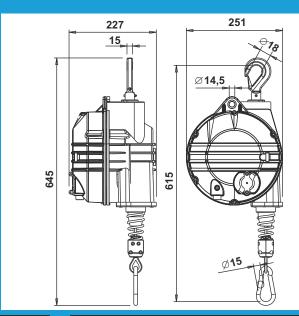
2100 mm 9502÷9509

2700 mm 9520÷9525

Inox



12÷100 κg



ltem	0500	66	050A	660	660	6601	of Ot	660
Ž	20÷30	30÷40	40÷50	50÷60	60÷70	70÷80	80÷90	90÷100
Kg	12,60	15,20	15,50	16,70	15,50	17,70	16,20	16,80

95 D	602	600	0600	0601	60%
12÷20	20÷30	30÷40	40÷50	50÷60	60÷70
12,80	12,60	15,80	15,40	16,60	15,70







Aluminium

1350 mm 9200÷9202 9203 900 mm **Polyurethane**

0,4÷5 κg

Max operating pressure:

8 bar

Max operating temperature:

50°

Used for arranging ergonomic work stations.

Applications: Screw drivers - Drills - Shearing machines -Tools for electronics - Air guns.

ADVANTAGES

Maximum ease of use.

Minimum overall dimensions as the tool is supported by the

Polyurethane hose.

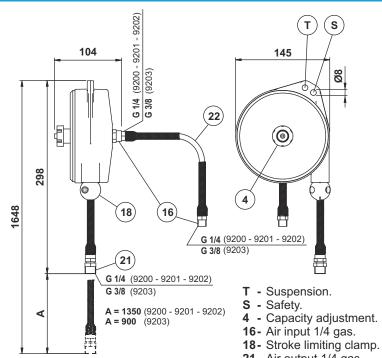
Rugged construction, cast aluminium body.

Adjustable capacity.

Springs properly sized to ensure long life and smooth

Adjustable stroke limiting device.

Auxiliary safety suspension.



Hose %e / %i = 8 / 6 mm (9200 - 9201 - 9202) %e / %i = 10 / 8 mm (9203)

21- Air output 1/4 gas.

22- Flexible supply hose.

ltem	9100	6PO	90°CV	S) (5)
Å	0,4÷0,8	0,75÷1,5	1,2÷2,5	3÷5
Kg	1,25	1,30	1,35	1,35

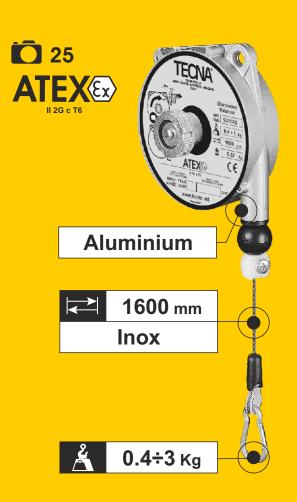
BALANCERS TECHNICAL FEATURES

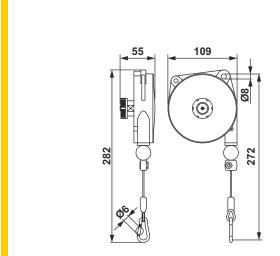
	3 1	4 2	6 5	9 7	10 8	12 11	14 16 13 15	19 22 18 21 17 20	19 22 18 21 17 20	23	23	Ö
kg mm	0,2÷3 1600	0,4÷3 1600	1÷8 2000	2÷14 2500	2÷14 2500	4÷25 2000	10÷105 2000	15÷180 2500	15÷180 3000	20÷100 2100	12÷70 2700	Capacity Stroke
	•											Rugged construction, Nylon body
		•	•	•	•							Rugged construction, cast aluminium body
						•	•	•	•	•	•	Ribbed and sealed construction in aluminium alloy
	• 3	•4	•6	•9	• ¹⁰							Polypropylene / Dyneema rope, for «NY» model
	•1	•2	•5	•7	•8	•	•	•	•	•	•	Stainless steel rope
	•	•	•	•	•							Adjustable capacity
						•	•	•	•	•	•	Adjustable capacity by means of a worm screw
	•	•	•	•	•	•	•	•	•	•	•	Safety suspension
			•	•	•	•	•	•	•	•	•	Safety device against load dropping due to the spring breakage (capacity >3kg)
							•	•	•			Centrifugal safety device
						•	•	•	•	•	•	Upper rotary suspension with safety hook
						•	•	•	•	•	•	Locking device to block the load at any height
	•	•	•	•	•	•	•	•	•	•	•	Adjustable stroke limiting device
						•	•	•	•	•	•	Taper drum rotating on ball bearings
	•	•	•	•	•	•	•	•	•	•	•	Cable guide in antifriction material
						•	•	•	•	•	•	Cable guide in antifriction material
								•	•			Rotary upper hook with ball bearing
								•	•			Lining up upper hook
	•	•	•	•	•	•	•	•	•	•	•	Inert spring drum assembly
	•	•	•	•	•		•					Polyamides thimble
	•	•	•	•	•	•	•	•	•	•	•	Operating temperature between + 5°C to + 60°C.
ON	REQL	JEST (OPTION	IS B-R	I-F							
							•	•	•	•	•	B: Locking-unlocking device with control from the floor
							•	•	•	•	•	RI: Rotary insulated hook
						•						F: Brake device

PACKAGING FEATURES

	9300	9301	9302	9303	9311	9312	9313	9320	9321	9322	9323
	9300NY	9301NY	9302NY	9303NY	9311NY	9312NY	9313NY	9320NY	9321NY	9322NY	9323NY
kg	0,50	0,60	0,60	0,70	0,70	0,70	0,80	1,80	2,1	2,1	2,5
mm	160x120x60	200x155x90	200x155x90	200x155x90	200x155x90						
	1/3	1/3	1/3	1/3	2/4	2/4	2/4	5/6	5/6	5/6	5/6
	9336 9336NY	9337 9337NY	9338 9338NY	9339 9339NY	9340 9340NY	9346 9346NY	9347 9347NY	9348 9348NY	9349 9349NY	9350 9350NY	9354 9354G
ka	3,40	3,60	3,70	3,70	3,80	3,40	3,60	3,70	3,80	3,90	6,00
kg mm	260x205x95	465x225x185									
	7/9	7/9	7/9	7/9	7/9	8/10	8/10	8/10	8/10	8/10	11/12
	9355	9356	9357	9358		9361	9362	9363	9364	9365	9366
	9355G	9356G	9357G	9358G	9359 9359G	9361G	9362G	9363G	9364G	9365G	9366G
kg	6,40	6,80	7,40	7,00	7,60	11,80	12,10	12,40	13,30	13,30	14,10
mm	465x225x185	465x225x185	465x225x185	465x225x185	465x225x185	455x270x280	455x270x280	455x270x280	455x270x280	455x270x280	455x270x280
	11/12	11/12	11/12	11/12	11/12	13/15	13/15	13/15	13/15	13/15	13/15
	9367	9368	9369	9370	9371	9401	9402	9403	9404	9405	9411
	9367G	9368G	9369G	9370G	9371G	9401G	9402G	9403G	9404G	9405G	9411G
kg	14,10	15,00	15,80	18,80	19,70	22,70	24,10	24,10	25,10	26,10	28,50
mm	455x270x280	455x270x280	455x270x280	455x270x280	455x270x280	600x320x330	600x320x330	600x320x330	600x320x330	600x320x330	600x320x330
	13/15	13/15	13/15	14/16	14/16	17/18	17/18	17/18	17/18	17/18	19/20
	9412 9412G	9413 9413G	9414 9414G	9422 9422G	9423 9423G	9424 9424G	9425 9425G	9426 9426G	9431 9431G	9432 9432G	9433 9433G
kg	29,70	30,80	31,40	40,00	41,90	42,20	44,30	46,60	22,70	22,70	24,10
mm	600x320x330	600x320x330	600x320x330	600x320x420	600x320x420	600x320x420	600x320x420	600x320x420	600x320x330	600x320x330	600x320x330
	19/20	19/20	19/20	21/22	21/22	21/22	21/22	21/22	17/18	17/18	17/18
	9434	9435	9436	9441	9442	9443	9444	9451	9452	9453	9454
	9434G	9435G	9436G	9441G	9442G	9443G	9444G	9451G	9452G	9453G	9454G
kg	27,50	26,60	27,60	28,50	29,70	30,80	31,40	40,00	40,10	41,90	42,20
mm	600x320x330	600x320x420	600x320x420	600x320x420	600x320x420						
	19/20	19/20	19/20	19/20	19/20	19/20	19/20	21/22	21/22	21/22	21/22
	9455 9455G	9456 9456G	9502	9503	9504	9505	9506	9507	9508	9509	9520
kg	44,30	46,60	14,40	17,00	17,30	18,50	17,30	19,50	18,00	18,60	14,60
mm	600x320x420	600x320x420	455x270x280	455x270x280							
	21/22	21/22	23	23	23	23	23	23	23	23	23
	9521	9522	9523	9524	9525	9200	9201	9202	9203		
kg	14,40	17,60	17,20	18,40	17,50	1,40	1,40	1,60	1,60		
mm	455x270x280	455x270x280		455x270x280	455x270x280	225x160x110	225x160x110	225x160x110			
	23	23	23	23	23	24	24	24	24		

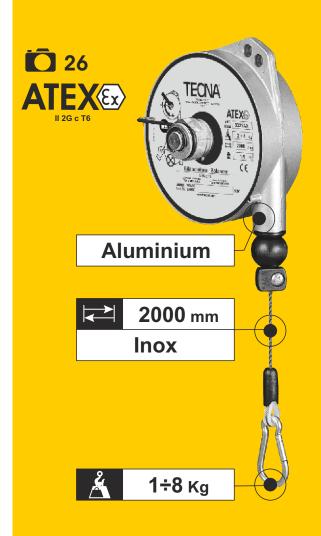
9311AX ÷ 9313AX

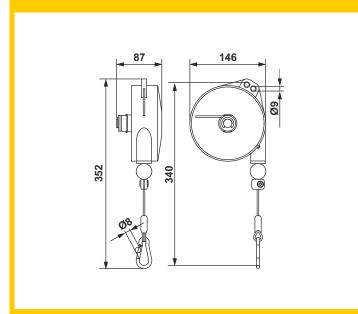




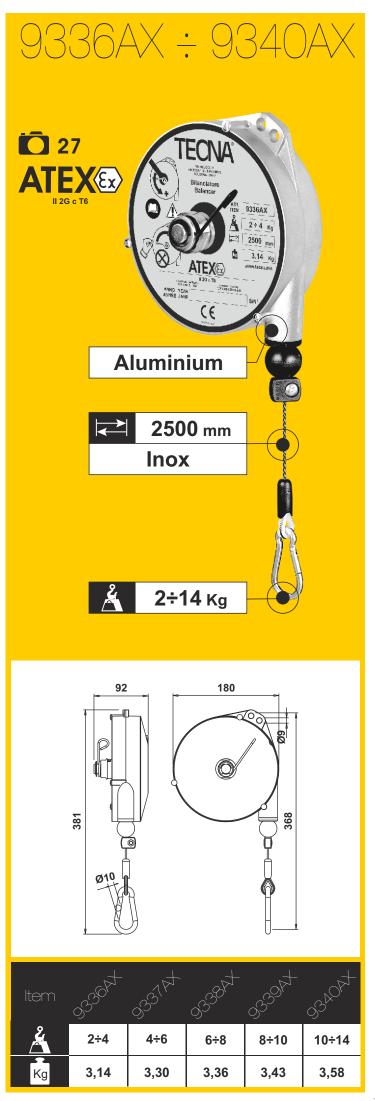
Item	SONA	5578+	65,34		
Ž	0,4÷1	1÷2	2÷3		
Kg	0,57	0,60	0,74		

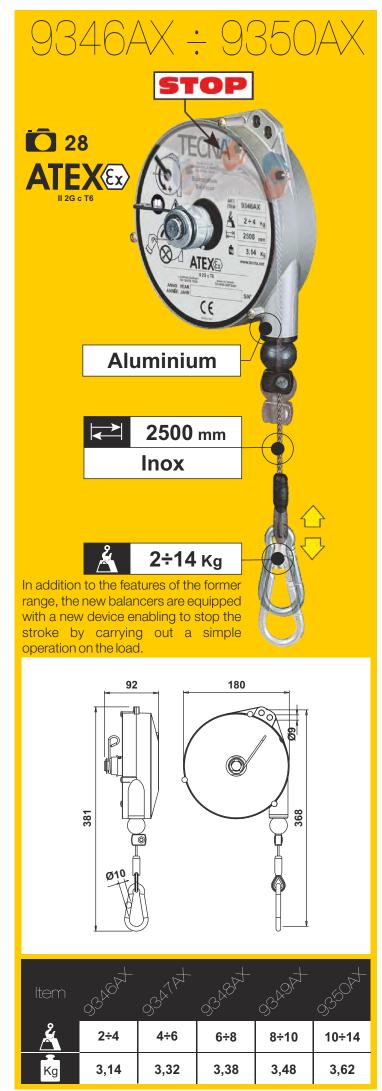
9320AX ÷ 9323AX





Item	50 pt	6327	03777	5337
Å	1÷2,5	2÷4	4÷6	6÷8
Kg	1,67	1,90	1,98	2,28





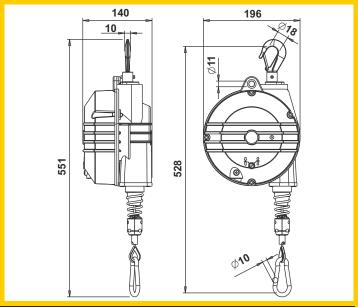
9354AX ÷ 9359AX





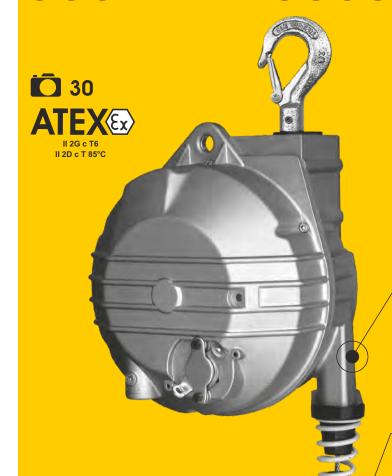
Option F Brake device

The balancer is equipped with a friction/brake which controls the rotation speed of the drum. This option is feasible when placing a new order while it is not possible to assemble this device on balancers already installed.



ltem	\$5 ⁶ A [†]		656P+	035/PT	03687) 030P+	
2	4÷7	7÷10	10÷14	14÷18	18÷22	22÷25	
Kg	4,94	5,30	5,67	6,26	5,89	6,53	

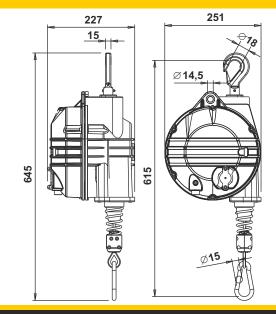
9502AX ÷ 9509AX



Aluminium

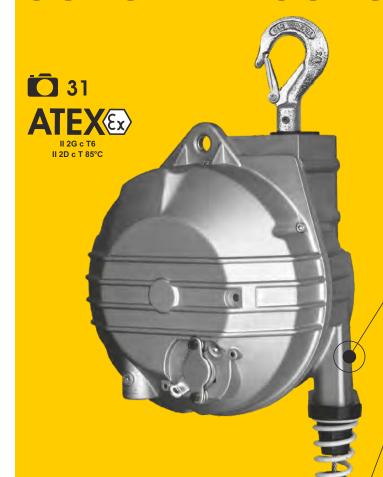
2100 mm Inox

20÷100 Kg



Item	05027	650 A	oso ART	6667	050 PT	6601PT	6600	60 PA
2	20÷30	30÷40	40÷50	50÷60	60÷70	70÷80	80÷90	90÷100
Kg	12,60	15,20	15,50	16,70	15,50	17,70	16,20	16,80

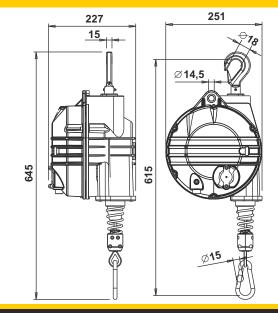
9520AX ÷ 9525AX



Aluminium

2700 mm Inox

2 12÷70 Kg



Item	S620FT	6827	06224	6528A	062APT	6000
Ž	12÷20	20÷30	30÷40	40÷50	50÷60	60÷70
Kg	12,80	12,60	15,80	15,40	16,60	15,70

ATEX BALANCERS TECHNICAL FEATURES

	25	26	27	28	29	30	31	Ö				
kg	0,4÷3	1÷8	2÷14	2÷14		20÷100	12÷70	Capacity				
mm	1600	2000	2500	2500	2000	2100	2700	Stroke				
	•	•	•	•				Rugged construction, cast aluminium body				
					•	•	•	Ribbed and sealed construction in aluminium alloy				
	•	•	•	•	•	•	•	Stainless steel rope				
	•	•	•	•				Adjustable capacity				
					•	•	•	Adjustable capacity by means of a worm screw				
	•	•	•	•	•	•	•	Safety suspension				
		•	•	•	•	•	•	Safety device against load dropping due to the spring breakage (capacity >3kg)				
					•	•	•	Upper rotary suspension with safety hook				
				•	•	•	•	Locking device to block the load at any height				
	•	•	•	•	•	•	•	Adjustable stroke limiting device				
					•	•	•	Taper drum rotating on ball bearings				
	•	•	•	•	•	•	•	Cable guide in antifriction material				
					•	•	•	Rotary upper hook with ball bearing				
	•	•	•	•	•	•	•	Inert spring drum assembly				
	•	•	•	•				Polyamides thimble				
	•	•	•	•	•	•	•	Operating temperature between + 5°C to + 60°C.				

10	ON REQUEST OPTIONS F									
					•			F: Brake device		

ATEX PACKAGING FEATURES

	9311AX	9312AX	9313AX	9320AX	9321AX	9322AX	9323AX	9336AX	9337AX	9338AX	9339AX
kg	0,70	0,70	0,80	1,80	2,1	2,1	2,5	3,40	3,60	3,70	3,70
mm	160x120x60	160x120x60	160x120x60	200x155x90	200x155x90	200x155x90	200x155x90	260x205x95	260x205x95	260x205x95	260x205x95
	25	25	25	26	26	26	26	27	27	27	27
	9340AX	9346AX	9347AX	9348AX	9349AX	9350AX	9354AX	9355AX	9356AX	9357AX	9358AX
kg	3,80	3,40	3,60	3,70	3,80	3,90	6,00	6,40	6,80	7,40	7,00
mm	260x205x95	260x205x95	260x205x95	260x205x95	260x205x95	260x205x95	465x225x185	465x225x185	465x225x185	465x225x185	465x225x185
	27	28	28	28	28	28	29	29	29	29	29
	9359AX	9502AX	9503AX	9504AX	9505AX	9506AX	9507AX	9508AX	9509AX	9520AX	9521AX
kg	7,60	14,40	17,00	17,30	18,50	17,30	19,50	18,00	18,60	14,60	14,40
mm	465x225x185	455x270x280									
	29	30	30	30	30	30	30	30	30	31	31
	9522AX	9523AX	9524AX	9525AX							
kg	17,60	17,20	18,40	17,50							
mm	455x270x280	455x270x280	455x270x280	455x270x280							
	31	31	31	31							

Balancing your job

Registered office, offices, industrial production and shipments GPS N44° 24' 24" - E11° 35' 13"

Balancers line production factory Via Miglioli, 36 | Castel San Pietro Terme | GPS N44° 24' 18" - E11° 34' 44"



Industrial and professional production factory
Via Grieco, 25/27 | Castel San Pietro Terme | GPS N44° 24' 18" - E11° 34' 44"



in Resistance Weldin

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