# TECNA DIRECT.COM

STOCKING IMPORTER

MASTER DISTRIBUTOR



### **MANUFACTURER and DISTRIBUTOR**

Consumables | Equipment | Robotics | Automation | Service & Training

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# Balancers TECNA®



### Balancers Line

Introduction	p. 2
9300-9303 9311-9313	p. 3
9300NY-9303NY   9311NY-9313NY	p. 4
9320-9323   9320NY-9323NY	p. 5
9336-9340   9346-9350	p. 6
9336NY-9340NY   9346NY-9350NY	p. 7
9354-9359   9354G-9359G	p. 8
9361-9369   9370-9371	p. 9
9361G-9369G 9370G-9371G	p. 10
9401-9405 9431-9433	p. 11
9401G-9405G 9431G-9433G	p. 12
9411-9414 9434-9444	p. 13
9411G-9414G   9434G-9444G	p. 14
9422-9426   9451-9456	p. 15
9422G-9426G   9451G-9456G	p. 16
9502-9509   9520-9525	p. 17
9200-9203	p. 18
Balancers technical features	p. 19
Packaging features	p. 20
9311AX-9313AX	p. 21
9320AX-9323AX	p. 21
9336AX-9340AX	p. 22
9346AX-9350AX	p. 22
9354AX-9359AX	p. 23
9502AX-9509AX	p. 24
9520AX-9525AX	p. 25
ATEX Balancers technical features	p. 26
ATEX Packaging features	p. 27
	· · · · · · · · · · · · · · · · · · ·

#### 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





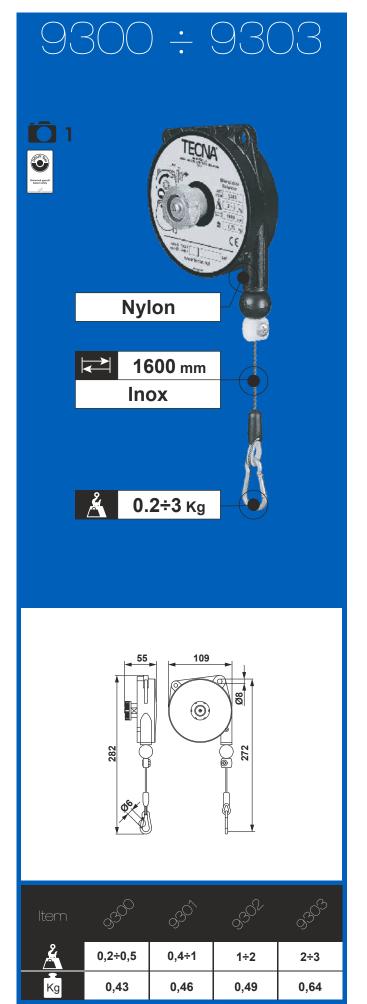


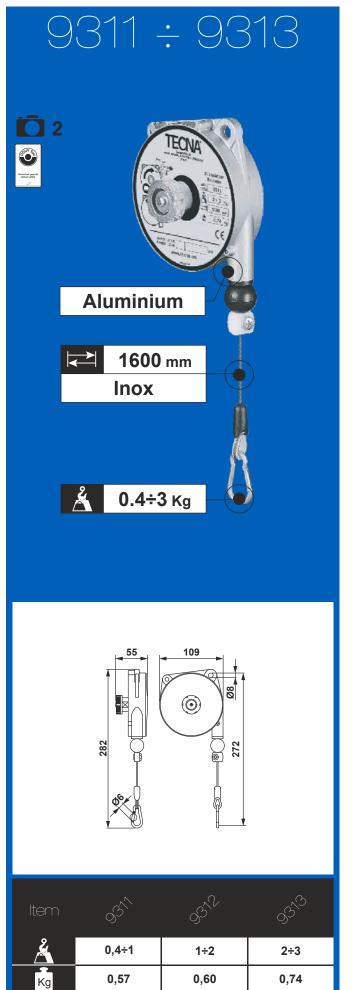


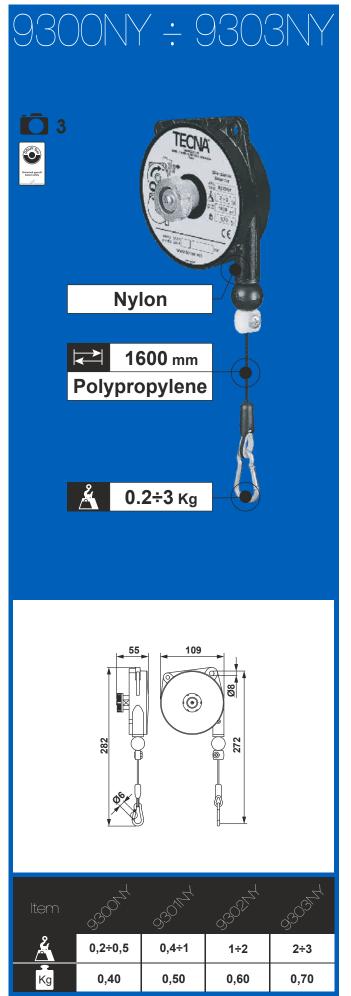
Main: 844-44-TECNA

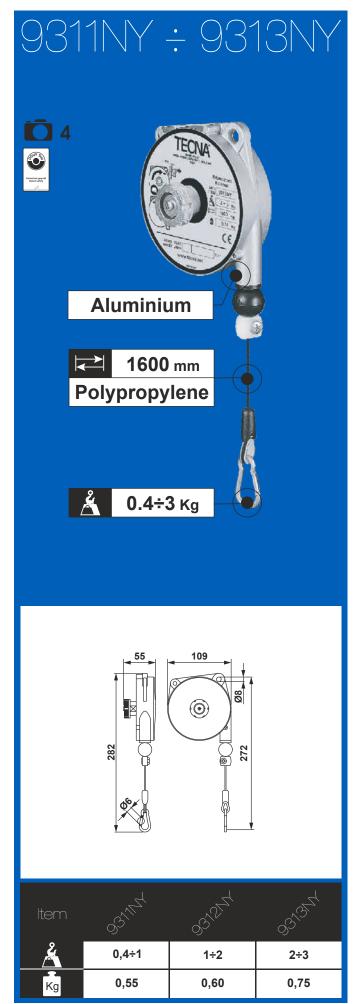
International: +1-216-475-5629

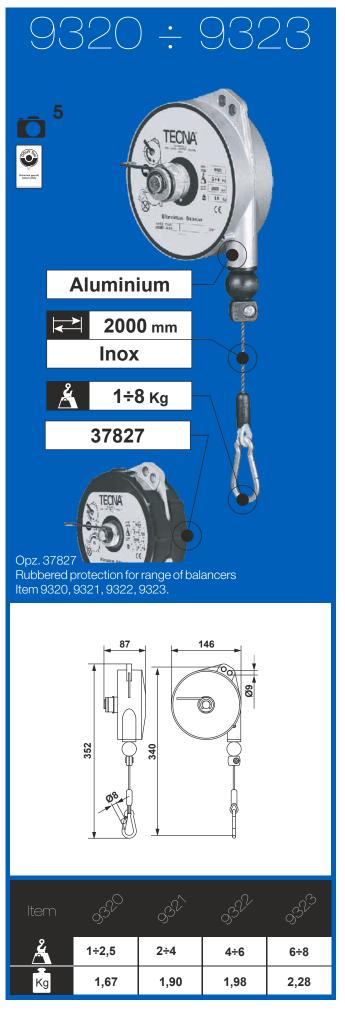


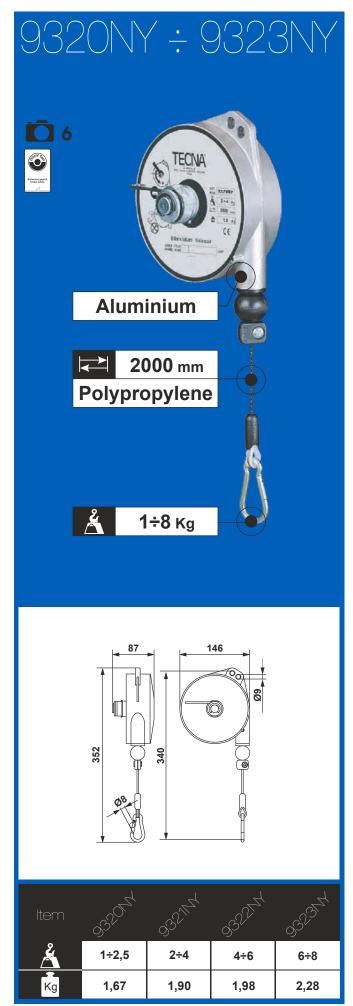


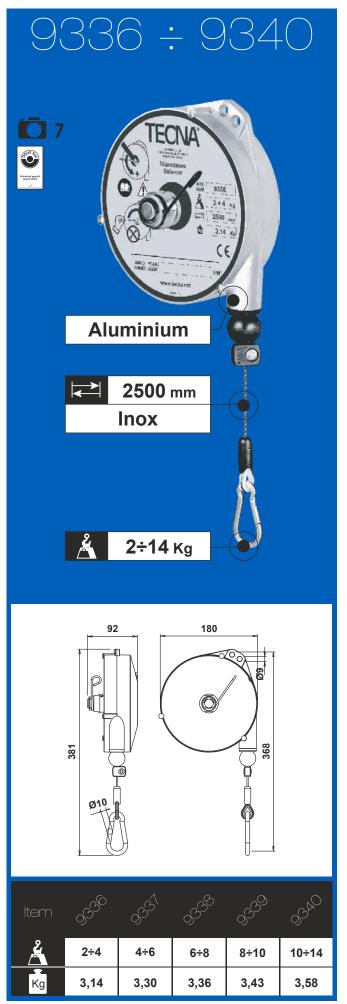


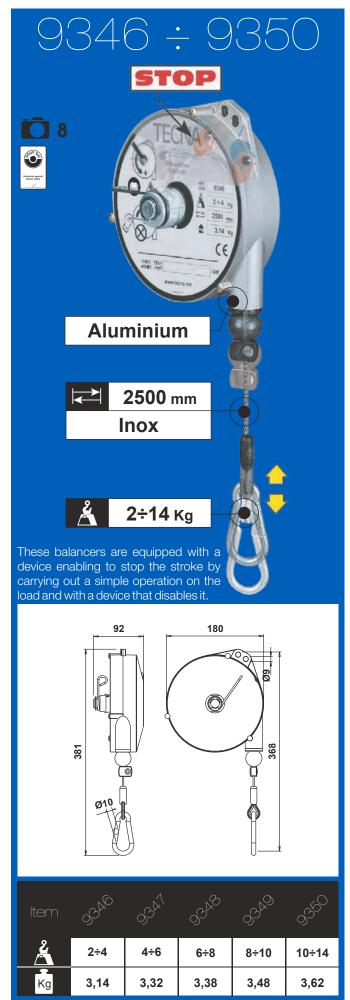


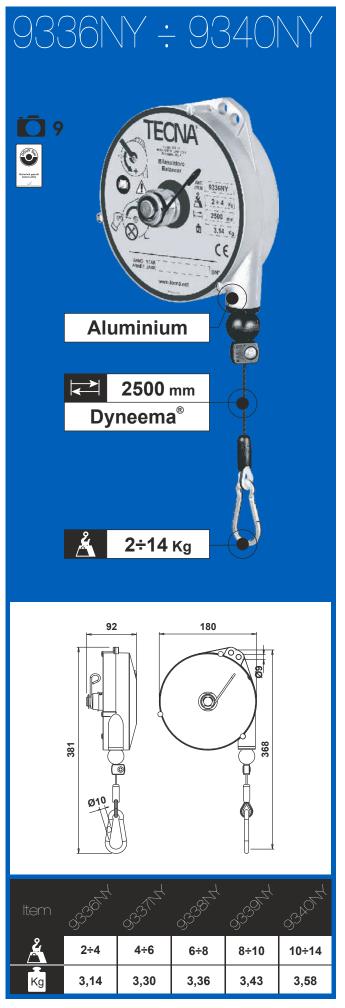


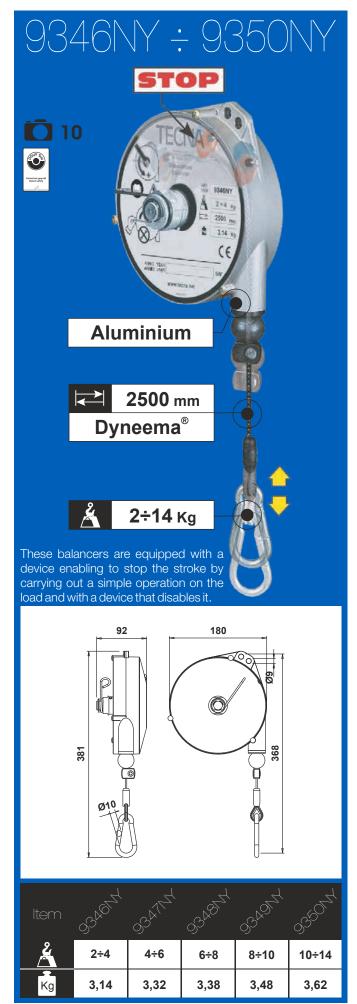


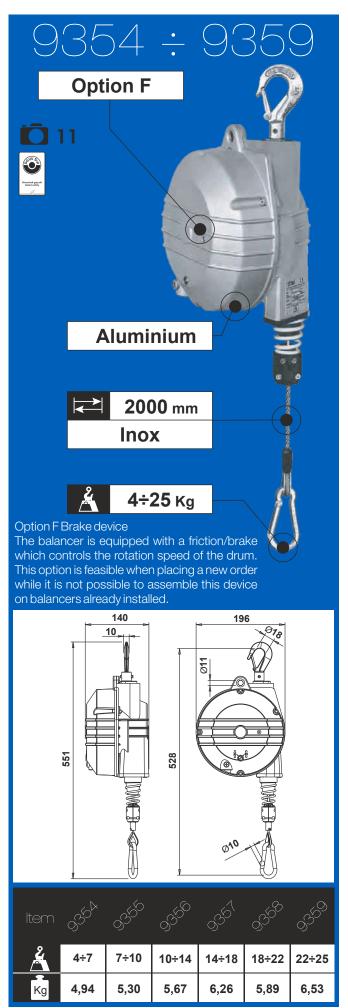


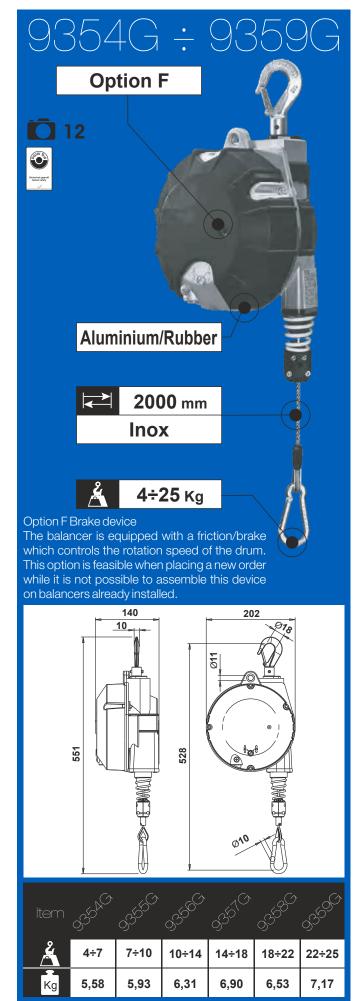


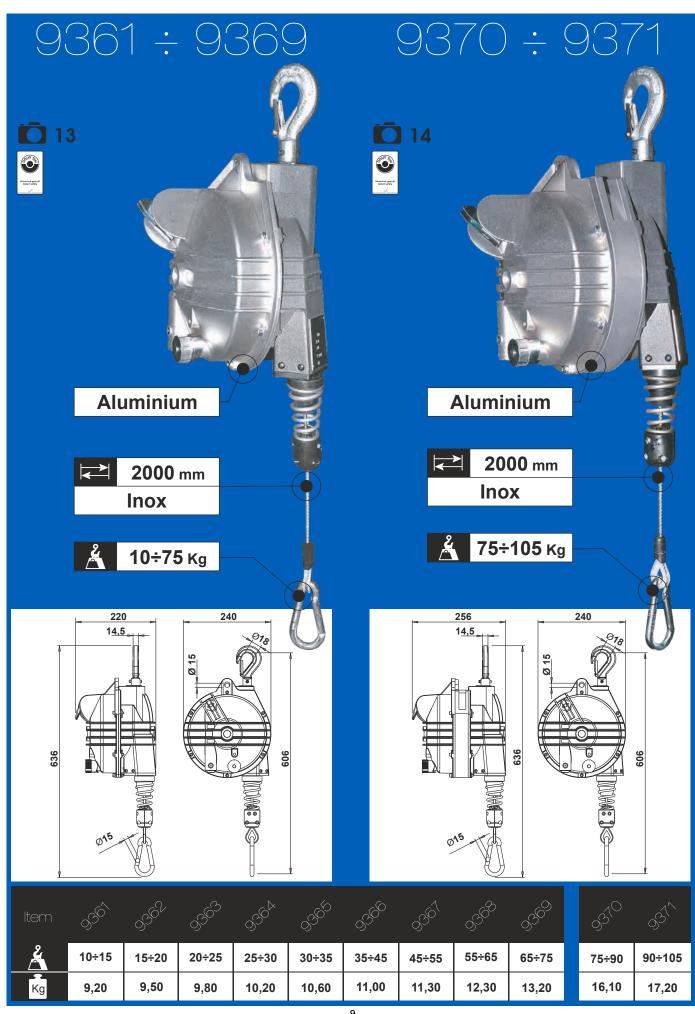


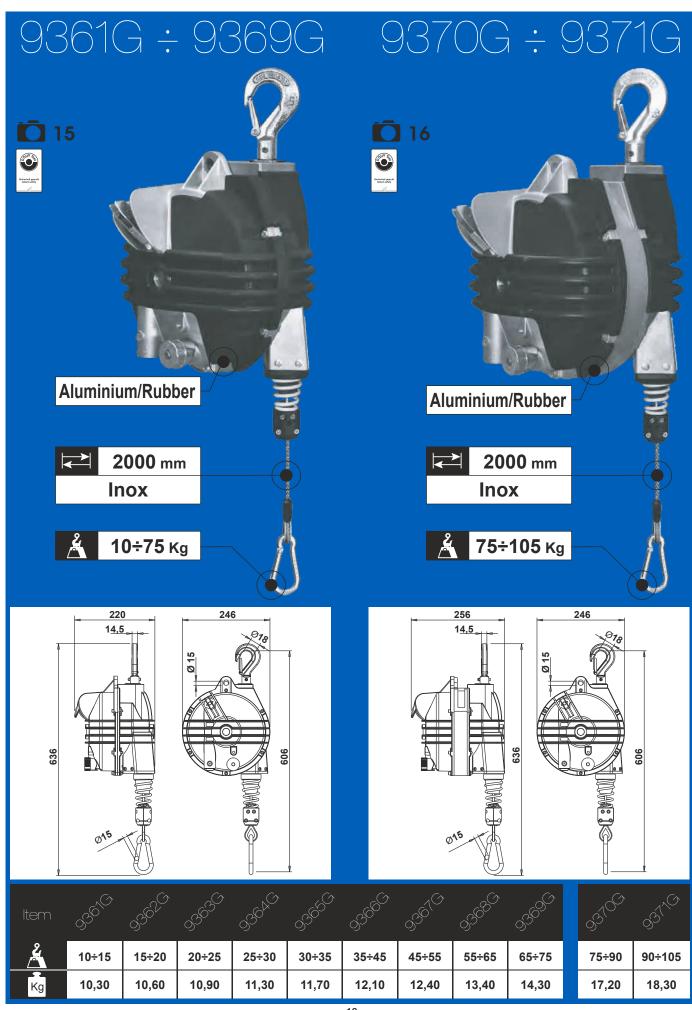












### $9401 \div 9405$

### $9431 \div 9433$









#### **Aluminium**

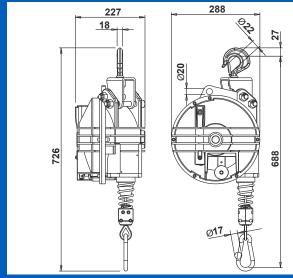
2500 mm 9401÷9405 3000 mm 9431÷9433 Inox

OPTION RI Rotary and insulating device.



**15÷60** кд





ltem	9K^	OKOV	0K <sup>CS</sup>	OKOK	ok <sup>o</sup> o
Ž	15÷20	20÷30	30÷40	40÷50	50÷60
Kg	19,67	21,11	21,11	22,03	23,07

045	ONSI	OK CO
15÷20	20÷25	25÷35
10.20	20.23	20:00

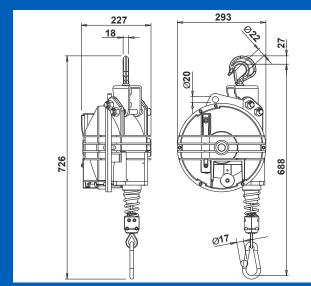
### 9401G ÷ 9405G 9431G ÷ 9433G



Aluminium/Rubber

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





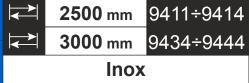
Item	0 <sup>A</sup> O	OKOLO	9K3C	ORORO	010C
Å	15÷20	20÷30	30÷40	40÷50	50÷60
Kg	20,75	22,19	22,19	23,12	24,15

0 <sup>k5</sup> C	01310	0123C
15÷20	20÷25	25÷35
20,75	20,75	22,19

### $9411 \div 9414$ $9434 \div 9444$

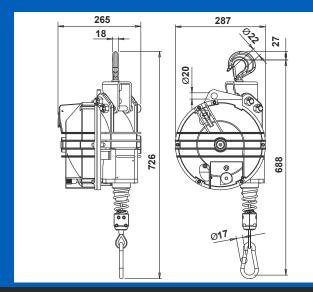


#### Aluminium





### 35÷100 Kg



ltem	9 <sup>2</sup>	OKN	9 <sup>2</sup>	OKA
Ž	60÷70	70÷80	80÷90	90÷100
Kg	25,56	26,75	27,90	28,46

OKSA	01/250	0 KG	ONA	JAACO TAACO	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

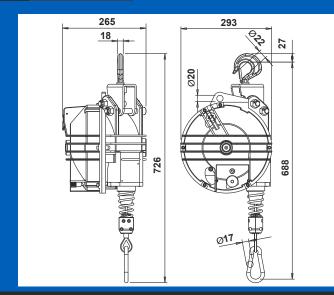
## 9411G ÷ 9414G 9434G ÷ 9444G



Aluminium/Rubber

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





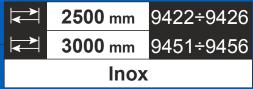
ltem	0K^(C)	OK CO	0 <sup>1</sup> 30	OKING
Ž	60÷70	70÷80	80÷90	90÷100

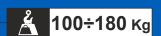
OKSAC	OKO OKO	0,000	ORAC	9 <sup>L</sup> 200	9 <sup>k</sup> A3 <sup>C</sup>	OAAAC
35÷45	40÷50	50÷60	60÷70	70÷80	80÷90	80÷100
25,69	24,88	25,91	26,79	27,98	29,13	29,69

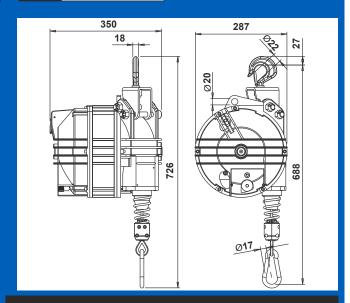
# 9422 ÷ 9426 9451 ÷ 9456



#### **Aluminium**







ltem	OKI	9 <sup>K</sup>	OKIL	ONDO	OKIO
Ž	100÷120	120÷140	130÷150	140÷160	160÷180
Kg	36,61	38,51	38,83	40,90	43,20

0/25	9KSV	olysis	0K5 K	0/200	0 <sup>1</sup> / <sub>2</sub> 0
100÷115	115÷130	130÷140	140÷150	150÷160	160÷180
36,61	36,77	38,51	38,83	40,90	43,20

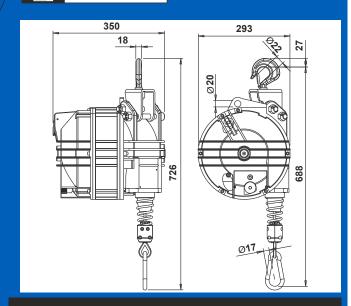
### 9422G ÷ 9426G 9451G ÷ 9456G



Aluminium/Rubber



### <u>Å</u> 100÷180 κg



ltem	ONDE	01230	OKUKS	OKNOS	ON CO
Ž	100÷120	120÷140	130÷150	140÷160	160÷180
Kg	37,83	39,74	40,06	42,13	44,43

045	04575	0 <sup>1</sup> / <sub>0</sub> 00	ONDAG	0455	0 <sup>k56</sup> C
100÷115	115÷130	130÷140	140÷150	150÷160	160÷180
37,83	37,99	39,74	40,06	42,13	44,43

### $9502 \div 9509$

## 9520 ÷ 9525





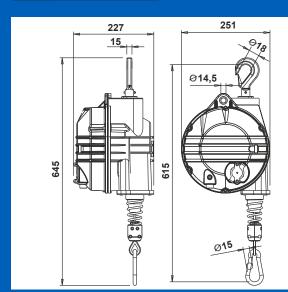




#### Aluminium

9502÷9509 2100 mm 2700 mm 9520÷9525 Inox

### 12÷100 Kg



Item	660V	65 CS	060A	66°C	950°	o50 <sup>0</sup> 1	60	96°C
Å	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

6600	650	667	999	0601	60%
12÷20	20÷30	30÷40	40÷50	50÷60	60÷70

### $9200 \div 9203$ hosebalancers





#### **Aluminium**

1350 mm
 9200÷9202
 900 mm
 9203
 Polyurethane

**0,4÷5** Kg

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 hose.

Polyurethane hose.

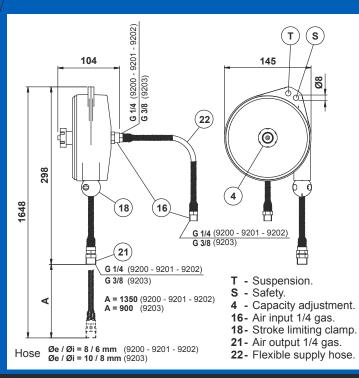
Rugged construction, cast aluminium body.

Adjustable capacity.

Springs properly sized to ensure long life and smooth running.

Adjustable stroke limiting device.

Auxiliary safety suspension.

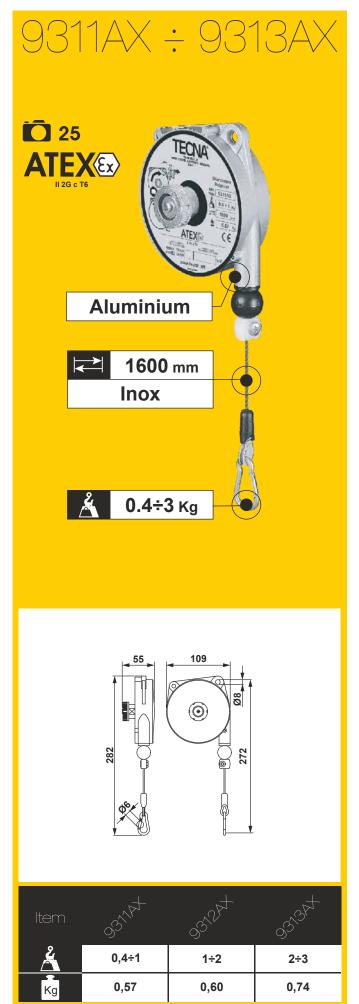


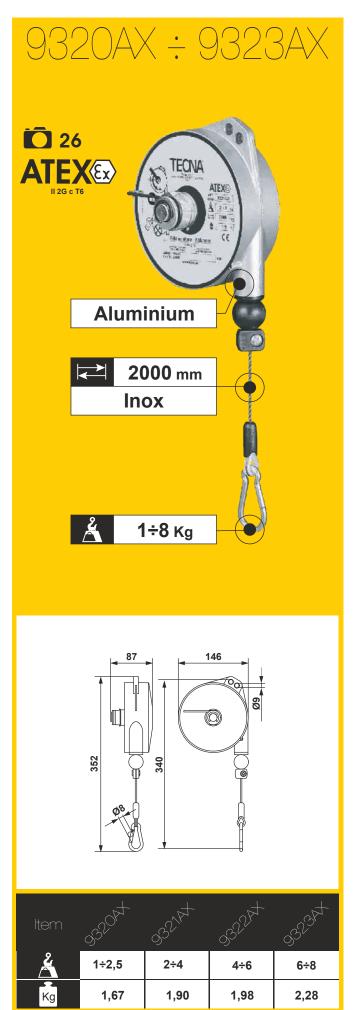
#### BALANCERS TECHNICAL FEATURES

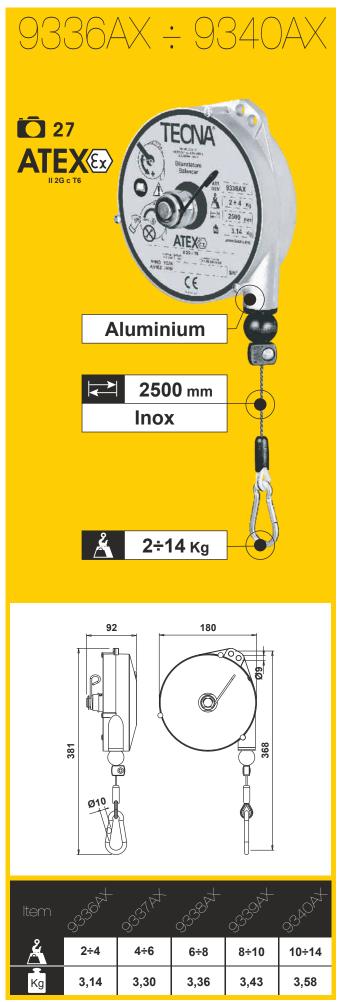
kg	3 1 0,2÷3	4 2 0,4÷3	6 5 1÷8	9 7 2÷14	10 8 2÷14	12 11 4÷25	14 16 13 15 10÷105	19 22 18 21 17 20 15÷180	19 22 18 21 17 20 15÷180	23 20÷100	23 12÷70	Capacity
mm	1600	1600	2000	2500	2500	2000	2000	2500	3000	2100	2700	Stroke
	•											Rugged construction, Nylon body
		•	•	•	•							Rugged construction, cast aluminium body
						•	•	•	•	•	•	Ribbed and sealed construction in aluminium alloy
	• 3	•4	•6	•9	<b>•</b> <sup>10</sup>							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.
OI	N REQI	JEST C	PTION	IS B-R	I-F							
							•	•	•	•	•	B: Locking-unlocking device with control from the floor
							•	•	•	•	•	RI: Rotary insulated hook
						•						F: Brake device

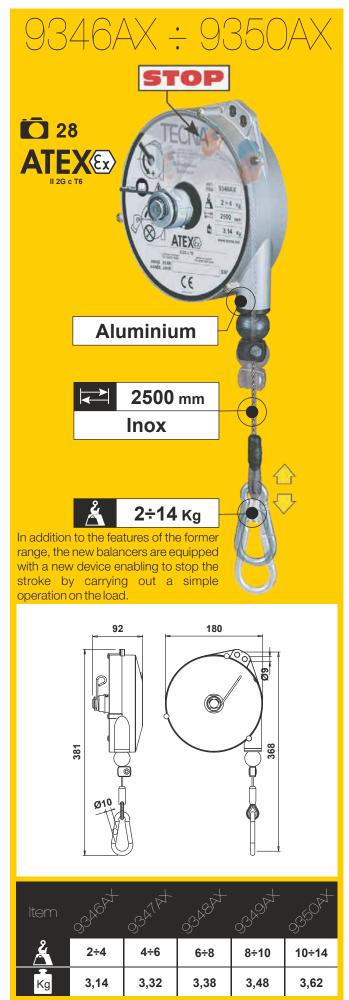
#### PACKAGING FEATURES

	9300	9301	9302	8089	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
kg	3,40	3,60	3,70	3,70	3,80	3,40	3,60	3,70	3,80	3,90	6,00
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	9359	9361	9362	9363	9364	9365	9366
	9355G	9356G	9357G	9358G	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 13/15	455x270x280 13/15	455x270x280 13/15	455x270x280 14/16	455x270x280 14/16	600x320x330 17/18	600x320x330 17/18	600x320x330 17/18	600x320x330 17/18	600x320x330 17/18	600x320x330 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 9434G	9435 9435G	9436 9436G	9441 9441G	9442 9442G	9443 9443G	9444 9444G	9451 9451G	9452 9452G	9453 9453G	9454 9454G
ka	27,50	26,60	27,60	28,50	29,70	30,80	31,40	40,00	40,10	41,90	42,20
kg mm	600x320x330	600x320x330	600x320x330		600x320x330	600x320x330	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	9456	0500	0500	0504	٥٥٥٥	0500	0507	0500	0500	0500
	9455G	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								
	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		





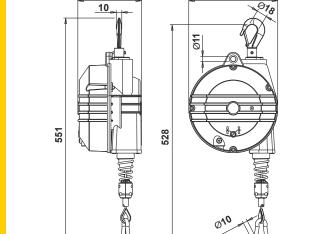




### 9354AX ÷ 9359AX





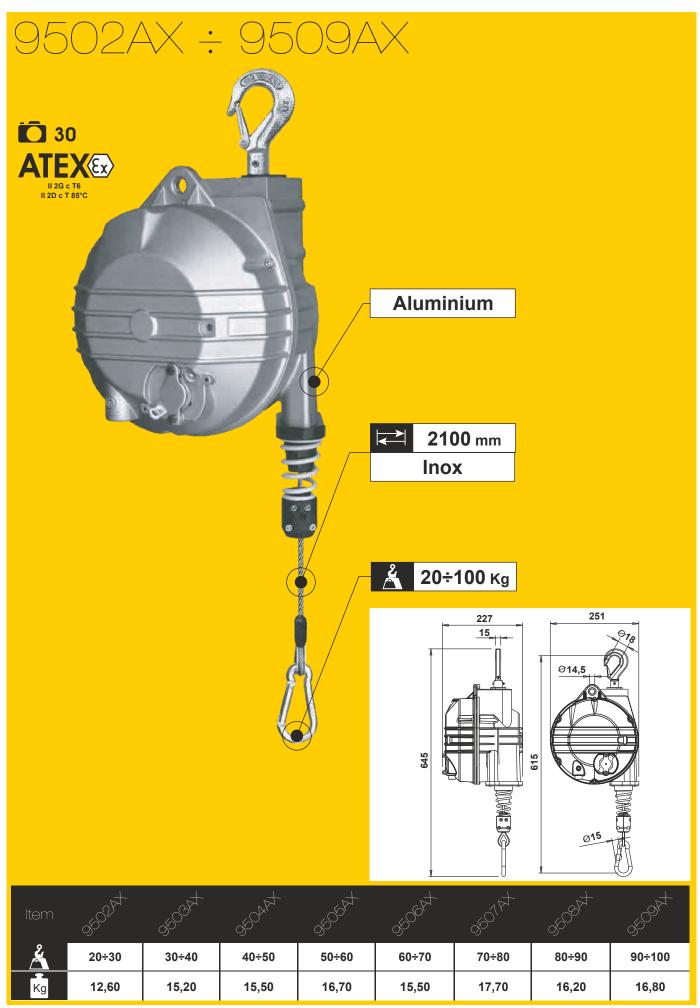


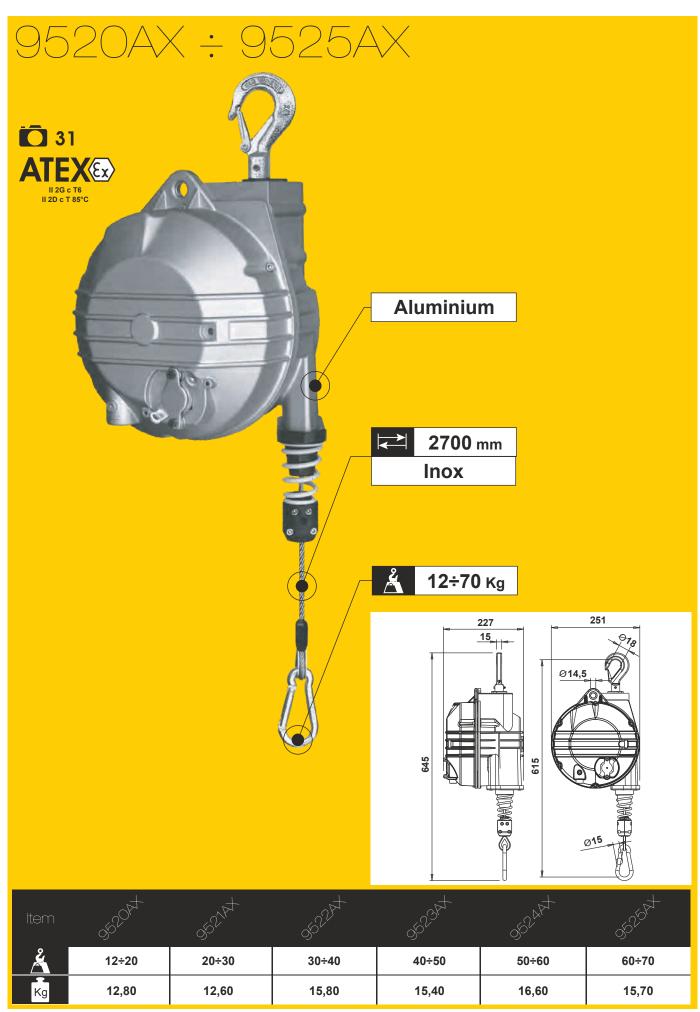
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#### Option F Brake device

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	035 APT	S550 P	0350rt	887 PT	658A	035014
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





#### ATEX BALANCERS TECHNICAL FEATURES

	25	26	27	28	29	30	31	Ö				
kg	0,4÷3	1÷8	2÷14	2÷14	4÷25	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.				

OI	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							

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