

# HAND TOOLS FOR PLASTIC STRAPPING



# ORGAPACK solutions

## Hand tools for different applications

### With friction-weld seal

Tensioning  
and sealing with  
battery power

OR-T 400



PP 19 mm  
PET 16–19 mm

OR-T 250



PP, PET  
12–16 mm

OR-T 120



PP, PET  
9/11–13 mm

Manual tensioning,  
battery-powered  
sealing

OR-T 50



PP, PET  
9–19 mm

### Sealing with seal

OR 4000



PP, PET  
13–16 mm

Tensioners / sealers



PP, PET 10–19 mm  
Cord 10–50 mm

Plastic strap	Packages		
	Light	Medium-duty	Heavy
PP 19 mm PET 16–19 mm	Light	Medium-duty	Heavy
PP, PET 12–16 mm	Light	Medium-duty	Heavy
PP, PET 9/11–13 mm	Light	Medium-duty	Heavy
PP, PET 9–19 mm	Light	Medium-duty	Heavy
PP, PET 13–16 mm	Light	Medium-duty	Heavy
PP, PET 10–19 mm Cord 10–50 mm	Light	Medium-duty	Heavy

OR-T 120, OR-T 250, OR-T 400

A quantum leap  
in strapping with battery-powered hand tools



Easy

Fast

Safe

Economic

Environmentally-  
friendly



Developed and  
manufactured  
in Switzerland



OR-T 250 Universal applications

OR-T 400 Heavy applications



#### Easy

- Depending on application, adjustable operation mode
- Fully automatic
- Semi-automatic
- Manual
- Soft

#### Fast

Regardless of package, size, vertical or horizontal strapping:

- Fully or semi-automatic tensioning, welding, and strap cutting – with only one push of a button

#### Safe

For multiple strappings or for the same types of goods:

- Consistent strappings
- Automatic strapping eliminates operator error

Strapping with PP strap or for fragile packages:

- "Soft" mode

#### Environmentally-friendly

Latest brushless motor engineering with the latest environmental-friendly battery technology from Bosch:

- High efficiency ratio
- No memory effect
- Recharging at any time
- High number of strappings per charge

#### Economic

- Energy-efficient strapping system
- More cycles per battery charge
- Cost efficient
- Service-friendly design
- High quality



OR-T 120 Light applications  
OR-T 50 Low cost alternative  
for light to medium-heavy applications

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### Model OR-T 120

#### For light goods

Tensioning and sealing with battery power

When fast strapping with low tension is required

Tensioning force up to 1200 N

### Model OR-T 50

#### The low cost alternative to

- Tools with automatic seal feed
- Tensioner/sealer combination with metal seals
- Steel strapping applications (convert to PET strap)

#### For light to medium-heavy applications

Manual tensioning, battery-powered sealing

Easy to set the strap tension and welding time

The battery charge level is displayed

Robust, for applications under aggressive conditions

Simple manual tensioning up to 2300 N



Technical data	OR-T 400	OR-T 250	OR-T 120	OR-T 50
Weight (including battery)	4.2 kg (9.3 lbs)	3.9 kg (8.6 lbs)	3.4 kg (7.5 lbs)	4 kg (8.8 lbs)
Dimensions	Length	334 mm (13.1")	334 mm (13.1")	400 mm (15.7")
	Width	138 mm (5.4")	138 mm (5.4")	130 mm (5.1")
	Height	148 mm (5.8")	148 mm (5.8")	148 mm (5.8")
Tensioning (press button)	Electrically	Electrically	Electrically	Manually with lever
– Tensioning force, fully adjustable (depending on strap)				
	(0) 1200–4000 N	(0) 900–2500 N	(0) 400–1200 N	0–2300 N
– Soft				
	(0) 400–1600 N	(0) 400–1500 N	(0) 150–750 N	
Tensioning speed	175 mm/s	220 mm/s	220 mm/s	
Sealing (friction weld seal)	Electrically	Electrically	Electrically	Electrically
<b>Battery</b>				
No of straps with one battery	180–300	200–400	200–300	Up to 200
Voltage	Battery charger	100–230 V	100–230 V	100, 110, 230 V
	Battery	18 V, 2,6Ah	14,4 V, 2,6Ah	14,4 V, 1,3Ah
	Li-Ion (Bosch)	Li-Ion (Bosch)	Li-Ion (Bosch)	NiCd (Bosch)
No of chargings per battery	2000	2000	2000	2000
Battery charging time, approx. min.				
	15–30*	15–30*	20–45*	60
<b>Plastic strap</b>				
Strap width adjustable				
– Polypropylene (PP)	16–19 mm ( $\frac{5}{8}$ – $\frac{3}{4}$ "	12–16 mm ( $\frac{7}{15}$ – $\frac{5}{8}$ "	9/11–13 mm ( $\frac{3}{8}$ – $\frac{7}{16}$ – $\frac{1}{2}$ "	9–19 mm ( $\frac{3}{8}$ – $\frac{3}{4}$ "
– Polyester (PET)	16–19 mm ( $\frac{5}{8}$ – $\frac{3}{4}$ "	12–16 mm ( $\frac{7}{15}$ – $\frac{5}{8}$ "	9/11–13 mm ( $\frac{3}{8}$ – $\frac{7}{16}$ – $\frac{1}{2}$ "	9–19 mm ( $\frac{3}{8}$ – $\frac{3}{4}$ "
– Option		9–11 mm ( $\frac{3}{8}$ – $\frac{7}{16}$ "		
Strap thickness	0.8–1.3 mm	0.5–1.0 mm	0.35–0.85 mm	0.5–1.0 mm
	(.031–.051")	(.020–.040")	(.010–.030")	(.019–.040")
<b>Options</b>				
– Suspension bow	•	•	•	•
– Protection plate	•	•	•	
– Protection cover for touchpanel	•	•	•	
– Power supply 230 V	•	•	•	
115 V	•	•		

\* After 15 minutes, approx. 75% charge capacity

## Options



**Suspension bow**  
for static locations



**Protection plate**  
for harsh use  
in industrial  
environment



**Protection cover  
for touchpanel**  
for harsh use  
in industrial  
environment



**Power supply**  
instead of battery,  
for static locations



# Tensioners / sealers

## Economical

## Sealing with metal seals

### Versatile flat based tensioner

For polypropylene, polyester and cord straps

Model	Strap type	Strap width mm (inch)	Strap thickness (cord), mm (inch)	Weight kg (lbs)
ORS 1100.19	PP, PET	10–19 (2/5–3/4)		1.2 (2.65)
ORS 1300.19	PP, Cord	10–19 (2/5–3/4)	0.4–1.2 (.016–.047)	1.2 (2.65)
ORS 1400.19*	PP, Cord	10–19 (2/5–3/4)	0.4–1.2 (.016–.047)	1.2 (2.65)
ORS 1400.25*	Cord	10–25 (2/5–1)	0.8–1.2 (.031–.047)	1.3 (2.87)

\* With cut-away base plate



### Flat based tensioner for heavy-duty packages and for securing loads

For cord straps up to 50 mm (2") wide

Model	Strap type	Strap width mm (inch)	Strap thickness mm (inch)	Weight kg (lbs)
ORS 1300.40	Cord	Up to 40 (1 5/8)	0.6–1.5 (.023–.060)	2.5 (5.50)
ORS 1300.50*	Cord	Up to 50 (2)	0.6–1.5 (.023–.060)	2.6 (5.50)

\* Also available without built-in strap cutter



### Sealers for polyester straps

High efficiency flat joint, with serrated seals

Model	Length of handle mm (inch)	Strap width mm (inch)	Strap thickness mm (inch)	Seal type
ORZ 3200.13	465 (18.3)	13 (1/2)	0.4–0.7 (.016–.028)	ORP 2100.13
ORZ 3200.16	465 (18.3)	16 (5/8)	0.4–0.7 (.016–.028)	ORP 2300.16
ORZ 3210.16	465 (18.3)	16 (5/8)	0.7–1.0 (.028–.040)	ORP 2300.16



### Sealers for polypropylene straps

High efficiency corrugated joint, plain type seal

Model	Length of handles mm (inch)	Strap width mm (inch)	Strap thickness mm (inch)	Seal type
ORZ 3300.10/13	350 (13.8)	10/13 (3/8, 1/2)	0.4–0.6 (.015–.021)	ORP 2600.13
ORZ 3400.16	465 (18.3)	16 (5/8)	0.4–0.6 (.016–.021)	–
ORZ 3410.13/16/19	465 (18.3)	13/16/19 (1/2, 5/8, 3/4)	0.7–1.0 (.028–.040)	ORP 2600.13



### Single-lever combination tool

Model	Strap type	Strap width mm (inch)	Strap thickness mm (inch)	Weight kg (lbs)	Seal
OR 4000.13	PP, PET	13 mm (1/2)	0.4–0.7 (.016–.028)	2.3 (5.1)	ORP 2100.13
OR 4000.16	PP, PET	16 mm (5/8)	0.5–1.0 (.020–.040)	3.4 (7.5)	ORP 2300.16



Also available

Coil holders for plastic strap

Hand tools for steel strapping, automatic installations

### Seals for plastic strapping

#### Seals ORP 2100/2300

With serrated inner surface, for polyester and polypropylene straps



#### Seals ORP 2600

Plain snap-on type, for polypropylene straps



### Coil holders (trolley type)



Robust and stable steel tube frame with large rubber wheels, tool and seal tray, coil brake

Model	Strap coil		
	Inside Ø	Outside Ø	Width
OR-A 627	200 mm (7.9")	500 mm (19.7")	170–230 mm (6.7–9")
OR-A 628	280 mm (11")	500 mm (19.7")	170–230 mm (6.7–9")
OR-A 629	405 mm (16")	650 mm (25.6")	120–180 mm (4.7–7.1")



### Hand tools for steel strapping

For flat and round packages, tensioning and sealing manually or pneumatically



### Fully automatic installations for plastic or steel strapping

From the same partner: development, manufacture, assembly, commissioning