

HAND TOOLS FOR PLASTIC STRAPPING



ORGAPACK solutions

Hand tools for different applications

		Plastic strap	Packages		
			Light	Medium-duty	Heavy
With friction-weld seal					
Tensioning and sealing with battery power					
OR-T 400		PP 19 mm PET 16–19 mm	Light, Medium-duty, Heavy		
OR-T 250		PP, PET 12–16 mm	Light, Medium-duty, Heavy		
OR-T 100		PP 9–13 mm PET 9–11 mm	Light, Medium-duty		
Manual tensioning, battery-powered sealing					
OR-T 50		PP, PET 9–19 mm	Light, Medium-duty, Heavy		
Sealing with seal					
OR 4000		PP, PET 13–16 mm	Light, Medium-duty, Heavy		
Tensioners / sealers					
		PP, PET 10–19 mm Cord 10–50 mm	Light, Medium-duty, Heavy		

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 strapping 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 construction
- High quality



OR-T 100 Light applications
OR-T 50 Low cost alternative
for light to medium-heavy applications



Model OR-T 100

For light goods

Tensioning and sealing with battery power

When fast strapping with low tension is required

Tensioning force up to 700 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 100	OR-T 50
Weight (including battery)	4.2 kg (9.3 lbs)	3.9 kg (8.36 lbs)	3.5 kg (7.8 lbs)	4 kg (8.8 lbs)
Dimensions				
Length	334 mm (13.1")	334 mm (13.1")	375 mm (14.7")	400 mm (14.7")
Width	138 mm (5.4")	138 mm (5.4")	130 mm (5.1")	130 mm (5.1")
Height	148 mm (5.8")	148 mm (5.8")	140 mm (5.5")	200 mm (7.9")
Tensioning (press button)	Electrically	Electrically	Electrically with lever	Manually
– Tensioning force, fully adjustable (depending on strap)				
	(0) 1200–4000 N	(0) 900–2500 N	0–700 N	0–2300 N
– Soft				
	(0) 400–1600 N	(0) 400–1500 N		
Tensioning speed	175 mm/s	220 mm/s	330 mm/s	
Sealing (friction weld seal)	Electrically	Electrically	Electrically	Electrically
Battery				
No of straps with one battery	180–300	200–400	Up to 300	Up to 200
Voltage				
Battery charger	100–230 V	100–230 V	100–240 V	230 (115) V
Battery	18 V, 2,6 Ah	14,4 V, 2,6 AH	12 V, 2,4 Ah	12 V, 1,5 Ah
	Li-Ion (Bosch)	Li-Ion (Bosch)		
No of chargings per battery	2000	2000	2000	2000
Battery charging time, approx. min.	20–45*	20–45*	60	60

Plastic strap

Strap width adjustable

– Polypropylene (PP)	16–19 mm ($\frac{5}{8}$ – $\frac{3}{4}$ "	12–16 mm ($\frac{5}{8}$ – $\frac{3}{4}$ "	9–13 mm ($\frac{3}{8}$ – $\frac{1}{2}$ "	9–19 mm ($\frac{3}{8}$ – $\frac{3}{4}$ "
– Polyester (PET)	16–19 mm ($\frac{5}{8}$ – $\frac{3}{4}$ "	12–16 mm ($\frac{5}{8}$ – $\frac{3}{4}$ "	9–11 mm ($\frac{3}{8}$ – $\frac{7}{16}$ "	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 (.030–.051")	0.5–1.0 mm (.019–.040")	0.5–0.8 mm (.019–.031")	0.5–1.0 mm (.019–.040")

Options

– Suspension bow	•	•	•	•
– Protection plate	•	•		
– Protection cover for touchpanel	•	•		
– Power supply 230 V	•	•		
115 V	•	•		

* After 20 minutes, approx. 70% 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 (3/8-3/4)		1.2 (2.75)
ORS 1300.19	PP, Cord	10-19 (3/8-3/4)	0.4-1.2 (.015-.047)	1.2 (2.75)
ORS 1400.19*	PP, Cord	10-19 (3/8-3/4)	0.4-1.2 (.015-.047)	1.2 (2.75)
ORS 1400.25*	Cord	10-25 (3/8-1)	0.8-1.2 (.031-.047)	1.3 (2.95)

* 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-.050)	2.5 (5.50)
ORS 1300.50**	Cord	Up to 50 (2)	0.6-1.5 (.023-.050)	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 3100.13	350 (13.8)	13 (1/2)	0.4-0.7 (.015-.028)	ORP 2100.13
ORZ 3100.16	350 (13.8)	16 (5/8)	0.4-0.7 (.015-.028)	ORP 2300.16
ORZ 3200.13	465 (18.3)	13 (1/2)	0.4-0.7 (.015-.028)	ORP 2100.13
ORZ 3200.16	465 (18.3)	16 (5/8)	0.4-0.7 (.015-.028)	ORP 2300.16
ORZ 3210.16	465 (18.3)	16 (1/2)	0.7-1.0 (.015-.028)	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 3300.10/13/16/19	350 (13.8)	10/13/16/19 (3/8, 1/2, 5/8, 3/4)	0.4-0.6* (.015-.023)	ORP 2600.13/16
ORZ 3400.13/16/19	465 (18.3)	13/16/19 (1/2, 5/8, 3/4)	0.4-0.6* (.015-.023)	ORP 2600.13/16
ORZ 3410.13/16/19	465 (18.3)	13/16/19 (1/2, 5/8, 3/4)	0.7-1.0 (.028-.040)	ORP 2600.13/16

* 19 mm (3/4"): up to 0.8 mm (.031") thick



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
OR 4500.13	PP, PET	13 mm (1/2)	0.5-0.8 (.020-.031)	3.4 (7.5)	ORP 2100.13



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