

# Hand Tools



## Hand Tools for strapping

### Innovative Design

Ergonomic design with robust construction provides outstanding reliability

### Increases Productivity

Intelligent process control ensures consistent operation throughout production

### Streamlines Operation

The intuitiv graphic touch interface allows easy adjustments and indicates realtime tool status information

### Operational Versatility

Variable settings and operation modes to meet the different application requirements

# BXT3 Series

## Battery Tools for plastic strapping



The Signode BXT3 combination tools deliver highspeed operation and unparalleled performance for plastic strapping applications. Complete with an ergonomic design and multiple performance enhancing features, they improve productivity for a wide range of applications – from those that require minimal tension to those in heavy industries.

### Benefits and features

#### ■ Maximizes reliability

A built-in strap alignment indicator confirms that the strap is inserted properly and prevents poor joints, together with the process control and real time indication of the strapping status these intelligent features offer highest application safety.

#### ■ Simplifies operation

The BXT3 tools come with an intuitive touch user interface and allow a quick and comfortable adjustment of the strapping parameters depending on the package and even offer selectable manual, semi or fully automatic operation modes.

#### ■ Reduces operator fatigue

Thanks to perfectly balanced design and the one button operation, the ergonomoy and user friendliness of the BXT3 tools is outstanding.

### Highlights

#### ■ Innovative

For outstanding reliability and top ergonomics

- Industry proven high quality tool
- Protective design
- Lightweight and perfectly balanced

#### ■ Intuitive

For easy and fast operation

- Variable tension speed controlled by finger pressure
- Digital user interface with touch pad adjustment
- Favorite strapping function

#### ■ Intelligent

For excellent and consistent performance

- Real time indication of applied tension force
- E-controlled strapping process
- Strap alignment indication





# BXT3 Series

## Technical data



Strapping tool	BXT3-13	BXT3-16	BXT3-19	BXT3-32
<b>Operation mode</b>	auto / semi / manual	auto / semi / manual	auto / semi / manual	auto / semi / manual
<b>Tension force range</b>	400–1200 N 150–750 N	900–2500 N 400–1360 N	1300–4500 N 400–1600 N	3000 – 7000 N 1000 – 5000 N
<b>Standard Soft</b>				
<b>Variable tension speed range</b>	0–290 mm/s (11.3 in/s)	0–220 mm/s (8.6 in/s)	0–120 mm/s (4.7 in/s)	0 – 100 mm/s (3.9 in/s)
<b>Weight (incl. battery)</b>	3,6 kg (7.9 lbs)	3,8 kg (8.4 lbs)	4,3 kg (9.5 lbs)	6,7 kg (14.7 lbs)
<b>Dimension (L x W x H)</b>	370 x 141x 135 mm (14.5" x 5.5" x 5.3")	370 x 141 x 135 mm (14.5" x 5.5" x 5.3")	370 x 143 x 135 mm (14.5" x 5.5" x 5.3")	416 x 157x 158 mm (16.5" x 6.2" x 6.2")
<b>Working temperature</b>	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
<b>Relative humidity</b>	up to 90%	up to 90%	up to 90%	up to 90%
<b>Sealing (joint type)</b>	friction weld seal	friction weld seal	friction weld seal	friction weld seal
<b>Joint strength*</b> *Value depends on strap quality	up to 75 – 85%	up to 75 – 85%	up to 75 – 85%	up to 75 – 85%
<b>Battery / charger</b>				
<b>Charger type</b>	Bosch	Bosch	Bosch	Bosch
<b>Battery charger voltage</b>	100 or 110 or 230 V	100 or 110 or 230 V	100 or 110 or 230 V	100 or 110 or 230 V
<b>Charging time</b>	15–30 min	15–30 min	25–35 min	70 – 80 min
<b>Battery type</b>	Bosch Li-Ion 18 V, 2,0 Ah	Bosch Li-Ion 18 V, 2,0 Ah	Bosch Li-Ion 18 V, 4,0 Ah	Bosch Li-Ion ProCORE 18 V, 8,0 Ah
<b>Cycles per battery charge</b>				
■ Low tension	800	800	800	450
■ Medium tension	600	400	500	350
■ High tension	400	200	300	250
<b>Strap</b>				
<b>Strap</b>	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)	PET (Polyester)
<b>Width</b>	9–10, 12–13 mm (3/8", 1/2")	12–13, 15–16 mm (1/2", 5/8")	15–16, 18–19 mm (1/2", 5/8")	25, 32 mm (1", 1 1/4")
<b>Thickness</b>	PET 0,4 – 0,8 mm (.015"–.031") PP 0,5 – 0,8 mm (.019"–.031")	0,5 – 1,0 mm (.019"–.040")	0,8 – 1,3 mm (.031"–.051")	PET 0,9 – 1,3 mm (0.035 – 0.050")



- **User interface cover**  
for additional protection in harshest environment



- **Protection plate**  
for usage on abrasive surfaces



- **Suspension bow**  
for stationary applications



- **Suspension bow for BXT3-32**  
for stationary applications

# BHC3

## Manual Battery Tool for plastic strapping



### Highlights

- For light to medium-heavy applications
- Easy to set the strap tension and welding time
- Manual tensioning, friction-welded sealing with Li-Ion battery technology
- Simple manual tensioning up to 2,300 N
- Charge level of the rechargeable battery is displayed
- Robust, for applications under aggressive conditions



Strapping tool	BHC3
Operation mode	manual
Tension force	0 - 2300 N
Tensioning	manual tensioning, with lever
Weight (incl. battery)	3.8 kg (8.4 lbs)
Dimension (L x W x H)	380 x 130 x 200 mm (15" x 5.1" x 7.9")
Working temperature	-10°C to +40°C (14-104 °F)
Relative humidity	up to 90%
<b>Battery / charger</b>	
Charger type	Bosch
Battery charger voltage	100 or 110 or 230 V
Charging time	72 min (80%) – 95 min (100%)
Battery type	Li-Ion 12V, 6.0Ah
Cycles per battery charge	up to 750
<b>Strap</b>	
Strap	PET (Polyester) PP (Polypropylen)
Width	9 - 19 mm (0.35" - 0.75")
Thickness	PET 0.5 – 1.0 mm (0.02 – 0.039")





# LP-Series

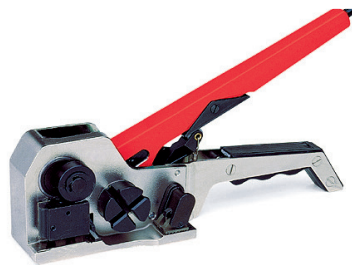
## Tensioners for plastic strapping/ single-lever combination Tool



Flat tensioners	LPT 19	LPT 25*	LPT 40	LPT 50**
Seal type	Seal	Buckle	Buckle	Buckle
Tension force range	Depending on breaking strength of the strap	Depending on breaking strength of the strap	Depending on breaking strength of the strap	Depending on breaking strength of the strap
Weight	1.2 kg (2.70 lbs)	1.3 kg (2.87 lbs)	2.5 kg (5.50 lbs)	2.6 kg (5.81 lbs)
<b>Strap</b>				
Strap type	PP, Cord	Cord	Cord	Cord
Strap width	10–19 mm (2/5" - 3/4")	10–25 mm (3/8" - 1")	up to 40 mm (1 5/8")	up to 50 mm (2")
Strap thickness (Cord)	0.4 – 1.2 mm (.015" - .047")	0.8 – 1.2 mm (.031 - .047")	0.6 – 1.5 mm (.023" - .058")	1.2 – 2 mm (.047" - .078")

\*with cut-away base plate

\*\* also available without built-in strap cutter



Single-lever combinatin tool	LPC 13	LPC 16
Seal type	Seal	Seal
Tension force range	Depending on breaking strength of the strap	Depending on breaking strength of the strap
Weight	2.3 kg (5 lbs)	3.4 kg (7.5 lbs)
<b>Strap</b>		
Strap type	PP, PET	PP, PET
Strap width	13 mm (1/2")	16 mm (5/8")
Strap thickness	0.4 – 0.7 mm (.015" - .027")	0.5 – 1.0 mm (.019 - .039")

## SEALS FOR PLASTIC STRAPPING



Roughened inner side for polyester and polypropylene straps



Non-roughened, for polypropylene straps

# SCL-Series

## Sealless Tools for steel strapping for flat packages



### Highlights

- **SCL**  
Easy, lightweight, fast
  - Weight only 3,2 kg (7.7 lbs)
  - Fast and easy strap inserting
  - Effortless tensioning and sealing
  - Ergonomic design
  - Flexible use for medium to heavy packages of varying types and sizes
  - Maintenance-friendly: few wear parts – easily maintained at site
  
- **SCL 48**  
For heavy duty applications
  - For steel straps 19 mm (3/4") wide and up to 0,80 mm (.031") thick



Strapping tool	SCL	SCL 48
<b>Weight</b>	3,5 kg (7.7 lbs)	5,1 kg (11.2 lbs)
<b>Tension force</b>	0 – 6500 N	0 – 6000 N
<b>Steel strap</b>		
<b>Width</b>	13, 16, 19 mm (1/2", 5/8", 3/4")	19 mm (3/4")
<b>Standard quality</b>		
<b>Strap thickness</b>	0,38–0,63 mm (.015" - .025")	0,60–0,80 mm (.023" - .031")
<b>Tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	850 (120 000)	850 (120 000)
<b>High tensile quality</b>		
<b>Strap thickness</b>	0,38–0,63 mm (.015" - .025")	0,60–0,80 mm (.023" - .031")
<b>Tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	1100 (157 000)	1100 (157 000)





# SP-Series

## Pneumatic push-type Tools for steel strapping



### Highlights

#### ■ SPNSC TM/RM

The lightweight tool for mobile and stationary applications

- Weight only 3,2 kg (7 lbs)
- Tensioning force up to 3000 N
- With air connection on top: for strapping applications with suspended hook
- With air connection at rear: for strapping applications without suspension hook

#### ■ SPRM 34

For heavy duty and stationary applications

- Tension force up to 7000 N

#### ■ SPRH 114

For heavy duty and stationary applications

- Tension force up to 8400 N



Strapping tool	SPNSC TM/RM	SPRM 34	SPRH 114
<b>Weight</b>	3,2 kg (7.1 lbs)	7,6 kg (16.8 lbs)	9,3 kg (20.5 lbs)
<b>Tension force</b>	0 – 3000 N	0 – 7000 N	0 – 8400 N
<b>Compressed air consumption (6 bar)</b>			
<b>Tensioning, NI/s</b>	4,0	6,4	6,4
<b>Sealing, NI</b>	3,4	12	14
<b>Seal type</b>	single	double	double
<b>Steel strap</b>			
<b>Width</b>	13, 16, 19 mm (1/2", 5/8", 3/4")	19 mm (3/4")	25, 32 (1", 1 1/4")
<b>Standard quality</b>			
<b>Strap thickness</b>	0,40–0,63 mm (.016" - .025")	0,60–0,80 mm (.023" - .031")	0,80–1,00 mm (.031" - .040")
<b>Tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq.inch)</b>	850 (120 000)	850 (120 000)	850 (120 000)
<b>High tensile quality</b>			
<b>Strap thickness</b>	0,40–0,63 mm (.016" - .025")	0,60–0,80 mm (.023" - .031")	0,60–0,80 mm (.023" - .031")
<b>Tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq.inch)</b>	1100 (157 000)	1100 (157 000)	1100 (157 000)



# SPN 2 and SCR-Series Pneumatic 2pc push-type Tools for steel strapping



## Highlights

### ■ Tensioner/Sealer Combination

The lightweight tools for heavy duty and mobile applications

- For steel strap up to 32 mm (1 1/4") wide and up to 1 mm (.040") thick
- Tensioning force up to 8400 N



Strapping tool	SPN 2 Tensioner	SRC-NS* Sealer for single reserve notch	SRC-ND* Sealer for double reverse notches
Weight	4,1 kg (9 lbs)	2,8 kg (6.2 lbs)	4,7 kg (10.4 lbs)
Tension force	0 – 8400 N		
<b>Compressed air consumption (6 bar)</b>			
Tensioning, NI/s	6,4		
Sealing, NI		3	6,4
Seal type		single	double
<b>Steel strap</b>			
Width, mm	19, 25, 32 mm (3/4", 1", 1 1/4")	19, 25, 32 mm (3/4", 1", 1 1/4")	19, 25, 32 (3/4", 1", 1 1/4")
<b>Standard quality</b>			
Strap thickness	0,60–1,00 mm (.023" - .040")	0,60–1,00 mm (.023" - .040")	0,60–1,00 mm (.023" - .040")
Tensile strength up to approx. N/mm <sup>2</sup> (lbs/sq.inch)	850 (120 000)	850 (120 000)	850 (120 000)
<b>High tensile quality</b>			
Strap thickness	0,60–1,00 (.023" - .040")	0,60–0,80 (.023" - .040")	0,60–0,80 (.023" - .040")
Tensile strength up to approx. N/mm <sup>2</sup> (lbs/sq.inch)	1100 (157 000)	1100 (157 000)	1100 (157 000)

\* According to the use the handle of the sealer can be mounted parallelly or at a right angle to the strap





# BST/BPT Series

## Battery Tools for steel strapping



The Signode battery tools for steel strapping deliver highspeed operation and unparalleled performance in demanding applications.

**BST:** sealless joint

**BPT-L19:** single notch push-type joint

**BPT-H32:** double notch push-type joint

Complete with an ergonomic design and multiple performance-enhancing features, they improve productivity for a wide range of applications – both stationary and mobile anywhere in the plant.

### Benefits and features

#### ■ Maximizes reliability

No more variation due to fluctuations in the air system – high performance battery and brushless motor technology provides an electronically controlled and reproducible strapping process. Intelligent features include real time indication of the strapping status and visual and acoustic signals.

#### ■ Simplifies operation

The BST/BPT tools have an intuitive touchscreen user interface and allow a quick and comfortable adjustment of the strapping parameters depending on the package and even offer selectable manual, semi or fully automatic operation modes and a favourite setting.

#### ■ Increases Efficiency

Up to 500 cycles per battery charge allow seamless and continuous operation with full mobility throughout the plant, not restricted by the reach of air hoses or air quality.

#### ■ Mobile and reliable industrial performance

The BST/BPT tools allow reproducible strapping applications with unlimited mobility and without the tripping hazards and limitations of air systems.

### Highlights

#### ■ Innovative

- For outstanding reliability
- Industry proven high quality tool
- Protective and ergonomic design

#### ■ Intuitive

- For easy and fast operation
- Digital user interface with touch pad adjustment
- Favorite strapping function

#### ■ Intelligent

- For excellent and consistent performance
- Real time indication of applied tension force
- E-controlled strapping process



BST



BPT-H32



BPT-L19



# BST

## Battery Tool for sealless steel strapping



### Strapping tool for flat surfaces

<b>Operation Mode</b>	auto / semi / manual
<b>Tension force range</b>	1000–5500 N (220–1240 lbf)
<b>Tension speed</b>	135 mm/s
<b>Weight (incl. battery)</b>	5.4 kg (11.9 lb)
<b>Dimension with bow (L x W x H)</b>	411 x 147 x 131 mm 16.2" x 5.8" x 5.1"
<b>Working temperature</b>	-10 °C to +40 °C (14–104 °F)
<b>Relative humidity</b>	up to 90%
<b>Seal type</b>	sealless notched joint
<b>Battery / charger</b>	
<b>Charger type</b>	GAL 1880 CV (US: BC 1880)
<b>Battery charger voltage</b>	100 or 110 or 230 V
<b>Charging time</b>	30min (80%)–50min
<b>Battery type</b>	Bosch Li-Ion ProCORE 18V, 4.0 Ah
<b>Cycles per battery charge</b>	up to 500
<b>Strap width</b>	13 mm (1/2"), 16 mm (5/8"), 19 mm (3/4")
<b>Strap Standard quality</b>	
<b>Strap thickness, mm (inch)</b>	0.40–0.63 (.015–.025)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	850 (120 000)
<b>Strap High tensile quality</b>	
<b>Strap thickness, mm (inch)</b>	0.40–0.63 (.015–.025)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	1100 (157 000)

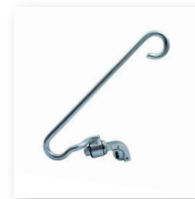


### Options



#### ■ User interface cover

for additional protection in harshest environment



#### ■ Suspension bow

for stationary applications





# BPT-H32

## Battery Tool for push-type steel strapping



### Strapping tool for round loads

<b>Operation Mode</b>	auto / semi / manual
<b>Tension force range</b>	2000–7500 N (440–1650 lbf)
<b>Tension speed</b>	75 mm/s (2.95 in/s)
<b>Weight (incl. 4Ah battery)</b>	8.3 kg (18 lb)
<b>Dimension with bow (L x W x H)</b>	405 x 283 x 270 mm (16" x 11" x 10.6")
<b>Working temperature</b>	-10°C to +40°C
<b>Relative humidity</b>	up to 90%
<b>Seal type</b>	double notch
<b>Battery / charger</b>	
<b>Charger type</b>	Bosch
<b>Battery charger voltage</b>	100 or 110 or 230 V
<b>Charging time</b>	4Ah: 30min (80%) – 50min 8Ah: 70min (80%) – 80min
<b>Battery type (standard)</b>	Bosch Li-Ion ProCORE 18V, 4.0 Ah
<b>Battery type (optional)</b>	Bosch Li-Ion ProCORE 18V, 8.0 Ah
<b>Cycles per battery charge</b>	4 Ah = ca. 200, 8 Ah = ca. 400
<b>Strap width</b>	19 mm (3/4"), 25 mm (1"), 32 mm (1 1/4")
<b>Strap Standard quality</b>	
<b>Strap thickness, mm (inch)</b>	0.80–1.00 (.031–.040)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	850 (120 000)
<b>Strap High tensile quality</b>	
<b>Strap thickness, mm (inch)</b>	0.60–0.80 (.023–.031)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	1100 (157 000)
<b>Matching seals</b>	19 mm (3/4"), 25 mm (1"), 32 mm (1 1/4")

### Options



- **User interface cover**  
for additional protection in harshest environment



- **Suspension bow**  
for stationary applications



- **Fast Suspension adapter „snap-on“**  
for stationary applications



- **Cardanic hanger**  
for stationary applications

# BPT-L19

## Battery Tool for push-type steel strapping



### Strapping tool for round loads

<b>Operation Mode</b>	auto / semi / manual
<b>Tension force range</b>	400–3000 N (90–675 lbf)
<b>Tension speed</b>	135 mm/s
<b>Weight (incl. battery)</b>	4.5 kg (9.9 lb)
<b>Dimension with bow (L x W x H)</b>	390 x 150 x 140 mm 15.3" x 5.8" x 5.5"
<b>Working temperature</b>	-10 °C to +40 °C (14–104 °F)
<b>Relative humidity</b>	up to 90%
<b>Seal type</b>	single notch
<b>Battery / charger</b>	
<b>Charger type</b>	Bosch
<b>Battery charger voltage</b>	100 or 110 or 230 V
<b>Charging time</b>	30min (80%) – 50min (100%)
<b>Battery type</b>	Bosch Li-Ion ProCORE 18V, 4.0 Ah
<b>Cycles per battery charge</b>	ca. 500
<b>Strap width</b>	13 mm (1/2"), 16 mm (5/8"), 19 mm (3/4")
<b>Strap Standard quality</b>	
<b>Strap thickness, mm (inch)</b>	0.40–0.63 (.015–.025)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	850 (120 000)
<b>Strap High tensile quality</b>	
<b>Strap thickness, mm (inch)</b>	0.40–0.63 (.015–.025)
<b>Strap tensile strength, up to approx. N/mm<sup>2</sup> (lbs/sq. inch)</b>	1100 (157 000)
<b>Matching seals</b>	13 mm (1/2"), 16 mm (5/8"), 19 mm (3/4")



### Options



- **User interface cover**  
 for additional protection in harshest environment



- **Suspension bow**  
 for stationary applications

