

Hand Tools



Strapping Hand Tools

Easy to Use

EasyTrigger™ Technology delivers ergonomic and efficient operation to reduce strain on user

Improved Performance

Innovation and latest battery technology provide improved productivity

Enhanced Reliability

High quality materials and Swiss precision maximize operational reliability

Flexible Operation

Intuitive operation via the display for a wide range of applications

BXT4 with EasyTrigger™ Technology

Battery Hand Tools for Plastic Strapping



The next generation battery Hand Tool for plastic strapping, the BXT4 with patented EasyTrigger™ Technology, can take your operations to a higher level. The advanced technologies and ergonomic design of the BXT4 Hand Tools fit into your advanced packaging process.

Benefits and Features

■ Simplified strapping process

EasyTrigger™ Technology activates the strapping process with a simple finger pull to insert and remove the strap. This simple process and optimized tool balance reduces operator fatigue and makes the operation easier, regardless of the strapping application.

■ Increased productivity

Increased efficiency due to the unique, ergonomic handling and advanced performance of the latest AMPShare® battery generation from BOSCH®.

■ Enhanced reliability

High-quality materials, including wear parts, meet the highest quality standards and are made of heat-treated tool steel or powder metallurgical material.

Highlights

■ Advanced ergonomics

- For increased efficiency and usability
- Intuitive and simple user interface
- Balanced design for easy operation
- Quick to learn and use

■ High performance

- For enhanced power and productivity
- Maximum control through fine adjustment of the tension force, tension speed and welding
- Optical control element for correct strap insertion
- Latest AMPShare® battery generation

■ Reliable quality

- For more consistent operation
- High quality components
- DEKRA-tested and certified
- Swiss made



BXT4-19



BXT4-16



BXT4-13



BXT Series

Technical data



Strapping tool	BXT4-13	BXT4-16	BXT4-19	BXT3-32
Operation mode	auto / semi / manual	auto / semi / manual	auto / semi / manual	auto / semi / manual
Tension force range				
Standard	400–1200 N	900–2500 N	1300–4500 N	3000–7000 N
Soft	150– 750 N	400–1360 N	400–1600 N	1000–5000 N
Variable tension speed range	0–180 mm/s (7.0 in/s)	0–220 mm/s (8.6 in/s)	0–150 mm/s (5.9 in/s)	0–100 mm/s (3.9 in/s)
Weight (incl. battery)	3.8 kg (8.4 lb)	4.0 kg (8.8 lb)	4.2 kg (9.3 lb)	6,7 kg (14.7 lbs)
Dimension (L x W x H)	367 x 149 x 135 mm (14.5" x 5.9" x 5.3")	367 x 149 x 135 mm (14.5" x 5.9" x 5.3")	367 x 152 x 138 mm (14.5" x 6.0" x 5.5")	416 x 157x 158 mm (16.5" x 6.2" x 6.2")
Working temperature	–10 °C to +40 °C	–10 °C to +40 °C	–10 °C to +40 °C	–10 °C to +40 °C
Relative humidity	up to 90%	up to 90%	up to 90%	up to 90%
Sealing (joint type)	friction weld seal	friction weld seal	friction weld seal	friction weld seal
Joint strength*	up to 75–85%	up to 75–85%	up to 75–85%	up to 75–85%
Battery / charger				
Charger type	Bosch GAL 1840 CV	Bosch GAL 1840 CV	Bosch GAL 1840 CV	Bosch GAL 1840 CV
Battery charger voltage	100 V / 110 V / 230 V	100 V / 110 V / 230 V	100 V / 110 V / 230 V	100 V / 110 V / 230 V
Charging time	48–65 min	48–65 min	48–65 min	70–80 min
Battery type	Bosch Li-Ion 18V, 4.0 Ah	Bosch Li-Ion 18V, 4.0 Ah	Bosch Li-Ion 18V, 4.0 Ah	Bosch Li-Ion ProCORE 18 V, 8,0 Ah
Cycles per battery charge				
■ Low tension	1000	800	800	450
■ Medium tension	800	600	500	350
■ High tension	600	400	300	250
Strap				
Strap	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)	PET (Polyester)
Width	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", 3/4")	25, 32 mm (1", 1 1/4")
Thickness	PET 0.4–0.8 mm (.015"–.031") PP 0.5–0.8 mm (.019"–.031")	PET 0.5–1.0 mm (.019"–.040") PP 0.5–1.0 mm (.019"–.040")	PET 0.8–1.3 mm (.031"–.051") PP 0.8–1.3 mm (.031"–.051")	PET 0.9–1.3 mm (0.035–0.050")

* Value depends on strap quality

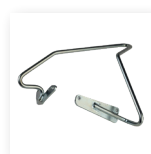
Options



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



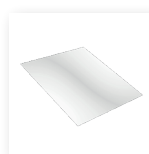
- **Suspension bow for BXT4**
for stationary applications



- **Screen protector**
for additional protection



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



BHC3

Semi-automated 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 2300 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%
Battery / charger	
Charger type	GAL 1240 CV (US: BC 1240)
Battery charger voltage	100 V / 110 V / 230 V
Charging time	72 min (80%) – 95 min (100%)
Battery type	Li-Ion 12V, 6.0Ah
Cycles per battery charge	up to 750
Strap	
Strap	PET (Polyester) PP (Polypropylen)
Width	9–19 mm (0.35"–0.75")
Thickness	0.5–1.0 mm (0.02–0.039")

LP-Series

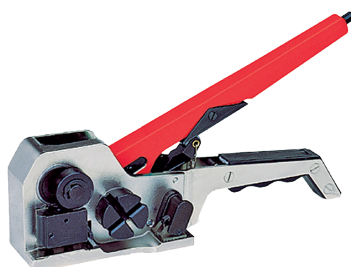
Tensioners for plastic strapping and single-lever combination Tool



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)
Strap				
Strap type	PP, Cord	Cord	Cord	Cord
Strap width	10–19 mm ($\frac{2}{5}$ " – $\frac{3}{4}$ ")	10–25 mm ($\frac{3}{8}$ " – 1")	up to 40 mm ($1\frac{5}{8}$ ")	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

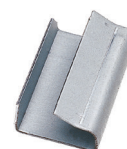


Single-lever combination tool	LPC 13	LPC 16
Seal type	Seal	Seal
Tension force range	Depending on breaking strength of the strap	Depending on breaking strength of the strap
Weight	2.3 kg (5 lbs)	3.4 kg (7.5 lbs)
Strap		
Strap type	PP, PET	PP, PET
Strap width	13 mm (1/2")	16 mm (5/8")
Strap thickness	0.4–0.7 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

BST/BPT Series

Battery Hand 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 Hand Tool for sealless steel strapping



Strapping tool for flat surfaces

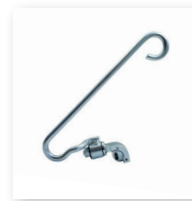
Operation Mode	auto / semi / manual
Tension force range	1000–5500 N (220–1240 lbf)
Tension speed	135 mm/s
Weight (incl. battery)	5.4 kg (11.9 lb)
Dimension with bow (L x W x H)	411 x 147 x 131 mm 16.2" x 5.8" x 5.1"
Working temperature	–10 °C to +40 °C (14–104 °F)
Relative humidity	up to 90%
Seal type	sealless notched joint
Battery / charger	
Charger type	GAL 1840 CV (US: BC 1840)
Battery charger voltage	100 V / 110 V / 230 V
Charging time	30 min (80%)–50min
Battery type	Bosch Li-Ion ProCORE 18V, 4.0 Ah
Cycles per battery charge	up to 500
Strap width	13 mm (1/2"), 16 mm (5/8"), 19 mm (3/4")
Strap Standard quality	
Strap thickness, mm (inch)	0.40–0.63 (.015–.025)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	850 (120 000)
Strap High tensile quality	
Strap thickness, mm (inch)	0.40–0.63 (.015–.025)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	1100 (157 000)



Options



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



- **Suspension bow**
for stationary applications



BPT-H32

Battery Hand Tool for push-type steel strapping



Strapping tool for round loads

Operation Mode	auto / semi / manual
Tension force range	2000–7500 N (440–1650 lbf)
Tension speed	75 mm/s (2.95 in/s)
Weight (incl. 4Ah battery)	8.3 kg (18 lb)
Dimension with bow (L x W x H)	405 x 283 x 270 mm (16" x 11" x 10.6")
Working temperature	–10°C to +40°C
Relative humidity	up to 90%
Seal type	double notch
Battery / charger	
Charger type	GAL 1840 CV (US: BC 1840)
Battery charger voltage	100 V / 110 V / 230 V
Charging time	4 Ah: 30 min (80%) – 50 min 8 Ah: 70 min (80%) – 80 min
Battery type (standard)	Bosch Li-Ion ProCORE 18V, 4.0 Ah
Battery type (optional)	Bosch Li-Ion ProCORE 18V, 8.0 Ah
Cycles per battery charge	4 Ah = ca. 200, 8 Ah = ca. 400
Strap width	19 mm (3/4"), 25 mm (1"), 32 mm (1 1/4")
Strap Standard quality	
Strap thickness, mm (inch)	0.80–1.00 (.031–.040)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	850 (120000)
Strap High tensile quality	
Strap thickness, mm (inch)	0.60–0.80 (.023–.031)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	1100 (157000)
Matching seals	19 mm (3/4"), 25 mm (1"), 32 mm (1 1/4")



Options



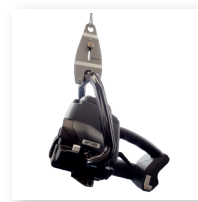
- **User interface cover**
for additional protection in harshest environment



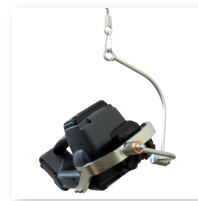
- **Suspension bow**
for stationary applications



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



- **Cardanic hanger**
for stationary applications



BPT-L19

Battery Hand Tool for push-type steel strapping



Strapping tool for round loads

Operation Mode	auto / semi /manual
Tension force range	400–3000 N (90–675 lbf)
Tension speed	135 mm/s
Weight (incl. battery)	4.5 kg (9.9 lb)
Dimension with bow (L x W x H)	390 x 150 x 140 mm 15.3" x 5.8" x 5.5"
Working temperature	–10 °C to +40 °C (14–104 °F)
Relative humidity	up to 90%
Seal type	single notch
Battery / charger	
Charger type	GAL 1840 CV (US: BC 1840)
Battery charger voltage	100 V / 110 V / 230 V
Charging time	30 min (80%) – 50 min (100%)
Battery type	Bosch Li-Ion ProCORE 18V, 4.0 Ah
Cycles per battery charge	ca. 500
Strap width	13 mm (1/2"), 16 mm (5/8"), 19 mm (3/4")
Strap Standard quality	
Strap thickness, mm (inch)	0.40–0.63 (.015–.025)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	850 (120 000)
Strap High tensile quality	
Strap thickness, mm (inch)	0.40–0.63 (.015–.025)
Strap tensile strength, up to approx. N/mm ² (lbs/sq. inch)	1100 (157 000)
Matching seals	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



SCL-Series

Sealless Hand 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
Weight	3.5 kg (7.7 lbs)	5.1 kg (11.2 lbs)
Tension force	0–6500 N	0–6000 N
Steel strap		
Width	13, 16, 19 mm (1/2", 5/8", 3/4")	19 mm (3/4")
Standard quality		
Strap thickness	0.38–0.63 mm (.015"–.025")	0.60–0.80 mm (.023"–.031")
Tensile strength, up to approx. N/mm ² (lbs/sq. inch)	850 (120000)	850 (120000)
High tensile quality		
Strap thickness	0.38–0.63 mm (.015"–.025")	0.60–0.80 mm (.023"–.031")
Tensile strength, up to approx. N/mm ² (lbs/sq. inch)	1100 (157000)	1100 (157000)

SP-Series

Pneumatic push-type Hand 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

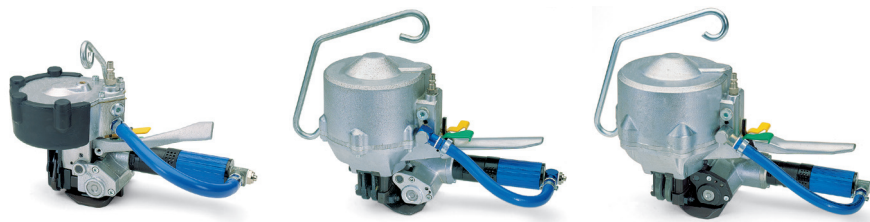
For heavy duty and stationary applications

- 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
Weight	3.2 kg (7.1 lbs)	7.6 kg (16.8 lbs)	9.3 kg (20.5 lbs)
Tension force	0–3000 N	0–7000 N	0–8400 N
Compressed air consumption (6 bar)			
Tensioning, NI/s	4.0	6.4	6.4
Sealing, NI	3.4	12	14
Seal type	single	double	double
Steel strap			
Width	13, 16, 19 mm (1/2", 5/8", 3/4")	19 mm (3/4")	25, 32 mm (1", 1 1/4")
Standard quality			
Strap thickness	0.40–0.63 mm (.016"–.025")	0.60–0.80 mm (.023"–.031")	0.80–1.00 mm (.031"–.040")
Tensile strength, up to approx. N/mm² (lbs/sq.inch)	850 (120 000)	850 (120 000)	850 (120 000)
High tensile quality			
Strap thickness	0.40–0.63 mm (.016"–.025")	0.60–0.80 mm (.023"–.031")	0.60–0.80 mm (.023"–.031")
Tensile strength, up to approx. N/mm² (lbs/sq.inch)	1100 (157 000)	1100 (157 000)	1100 (157 000)



SPN 2 and SCR-Series

Pneumatic 2pc push-type

Hand Tools for steel strapping

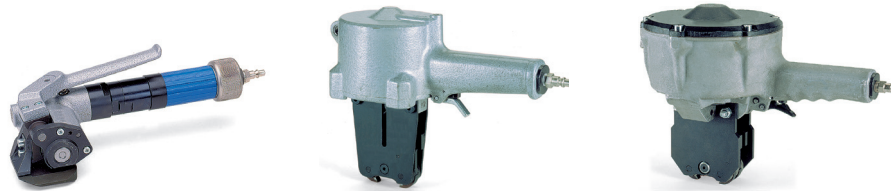


Highlights

■ 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	–	–
Compressed air consumption (6 bar)			
Tensioning, NI/s	6.4	–	–
Sealing, NI	–	3	6,4
Seal type	–	single	double
Steel strap			
Width, mm	19, 25, 32 (3/4", 1", 1 1/4")	19, 25, 32 (3/4", 1", 1 1/4")	19, 25, 32 (3/4", 1", 1 1/4")
Standard quality			
Strap thickness, mm	0.60–1.00 (.023"–.040")	0.60–1.00 (.023"–.040")	0.60–1.00 (.023"–.040")
Tensile strength up to approx. N/mm ² (lbs/sq.inch)	850 (120 000)	850 (120 000)	850 (120 000)
High tensile quality			
Strap thickness, mm	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 ² (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