

# strapex®

A SIGNODE BRAND



## Data sheet STB 81/83/85 Battery Hand Tools for Plastic Strapping



### 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



# Technical data sheet

## STB 81/83/85



Strapping tool	STB 81	STB 83	STB 85
Operation mode	auto / semi / manual	auto / semi / manual	auto / semi / manual
Tension force range	PET PP 400 – 1200 N 150 – 750 N	900 – 2500 N 400 – 1360 N	1300 – 4500 N 400 – 1600 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)
Weight (incl. battery)	3.8 kg (8.4 lb)	4.0 kg (8.8 lb)	4.2 kg (9.3 lb)
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")
Working temperature	-10°C to +40°C (14-104 °F)	-10°C to +40°C (14-104 °F)	-10°C to +40°C (14-104 °F)
Relative humidity	up to 90%	up to 90%	up to 90%
Sealing (joint type)	friction weld seal	friction weld seal	friction weld seal
Joint strength*	up to 75 – 85%	up to 75 – 85%	up to 75 – 85%
*Value depends on strap quality			

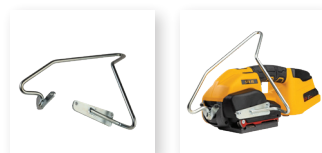
Battery / charger	STB 81	STB 83	STB 85
Charger type	Bosch GAL 1840 CV	Bosch GAL 1840 CV	Bosch GAL 1840 CV
Battery charger voltage	100 or 110 or 230 V	100 or 110 or 230 V	100 or 110 or 230 V
Charging time	48 – 65 min	48 – 65 min	48 – 65 min
Battery type	Bosch Li-Ion 18V, 4.0 Ah	Bosch Li-Ion 18V, 4.0 Ah	Bosch Li-Ion 18V, 4.0 Ah
Cycles per battery charge			
■ Low tension, up to	1000	800	800
■ Medium tension, up to	800	600	500
■ High tension, up to	600	400	300

Strap	STB 81	STB 83	STB 85
Strap	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)	PET (Polyester) PP (Polypropylene)
Width	9 – 10, 12 – 13 mm (3/8", 1/2")	12 – 13, 15 – 16 mm (1/2", 5/8")	15 – 16, 18 – 19 mm (5/8", 3/4")
Thickness	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")

Features	STB 81	STB 83	STB 85
Real time indication of applied tension force	●	●	●
Variable tension speed	●	●	●
Favorite strapping function	●	●	●
Display color indication for tool status information	●	●	●
Strap alignment indication	●	●	●
Strap dust blow out vent	●	●	●
Battery protection	●	●	●
0-Tension welding	●	●	●



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



■ **Suspension bow**  
for stationary applications



■ **Screen protector**  
for additional protection