

strapex®

A SIGNODE BRAND

PRODUCTS
SERVICES
INTEGRATION
AUTOMATION



pack



bundle



unitize



warehouse



transport



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



Easy to Use

Easy Trigger 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			
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			
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			
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 or stationary applications	• Screen protector for additional protection	• Battery charger for secure and stable charging