



## **TABLE OF CONTENTS**

PLASTIC STRAPPING (Full Pallets Only)	
Polypropylene (Polypro, PP)Polyester (PET)	6 - 15
CORD, CORD TOOLS + ACCESSORIES	
Hot Melt	16 - 23
WovenComposite	
Lashing	
Bonded	
PLASTIC + STEEL TOOLS, ACCESSORIES + KITS	24 - 48
CORNER BOARD	49 - 53
EQUIPMENT	54 - 67
SYSTEMS + HEADS	68 - 73
SERVICES	
Tools + Equipment Repairs	74 - 75
GUIDELINES	76 - 81

## **WARRANTY**

The products provided by Greenbridge are made to rigid manufacturing standards and will be replaced if it is found that the product does not meet those standards. Greenbridge is not liable for any injury, loss or damage arising out of the use of its product. Greenbridge's only obligation shall be the replacement of product proven to be defective. Please make special note that machines and tools have a separate warranties.

## History of **GREENBRIDGE**

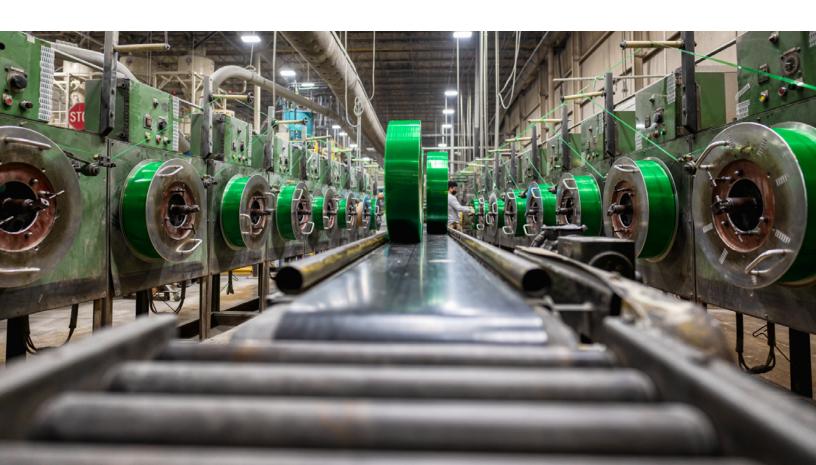
Greenbridge was originally founded in 1974 as Polychem and soon gained the reputation for having the broadest line of polyester, polypropylene and cord strapping in the industry. Complementary tools, equipment, and accessories were added to our product line. As we grew, so did our commitment to sustainable products and practices.

In 1998, Polychem established Evergreen as its recycling division and also to produce rPET. This assured a steady supply of 100% recycled PET resin for our growing portfolio of strapping and cord and created new markets for recycled rPET and other recycled material. Strategic acquisitions in in the United States and Mexico sparked rapid growth and expanded our product portfolio to include corner board, strap accessories, power tools, equipment, and complete systems and services required for end-of-line packaging and supply chain solutions. Additional strategic acquisitions expanded our portfolio.

In 2003, we acquired a majority interest in OMS Americas, the second largest manufacturer of strapping systems in the world. In 2019, Dynaric was acquired, giving us new capabilities for printing on strap as well as additional production volume.

In 2020, Maillis, known for their jumbo coil capabilities, was acquired. This addition sparked growth and expanded our product portfolio to include more corner board options, additional power tools, equipment, and strap accessories.

In 2021, the organization rebranded as Greenbridge to reflect our commitment to providing proactive sustainability solutions to customers across North America. Given our experience in recycling and reuse, expertise in advanced manufacturing, focus on customer support and training, and ongoing investment in our people, plants, and processes, Greenbridge is a natural evolution of who we are and where we can make the greatest impact.



## Our **CO-BRANDS**







#### Greenbridge – Mentor, Ohio

6277 Heisley Road Mentor, Ohio 44060 T 800-548-9557 F 440-352-9553

#### Greenbridge - Virginia Beach

5925 Thurston Avenue Virginia Beach, VA 23455 T 800-526-0827 F 757-363-8016

#### Greenbridge - Green, Ohio

5555 Massillon Road Green, OH 44720 T 440-357-1500 F 440-352-9552

#### **Greenbridge - Cleveland**

7000 Denison Avenue Cleveland, Ohio 44102

#### Greenbridge - Croatia

Mihovljan 50/E, 49252, Mihovljan, Croatia T +385 49 354 281 T +385 49 354 287

#### Greenbridge - Itatools SRL

Via per Caronno, 23, 21040 Origgio VA, Italy T +39 02 9645 0619

#### **Greenbridge - Mexico**

Justo Sierra #461, San Luis, 78430 Soledad de Graciano Sánchez, S.L.P., Mexico T +52 444 361 8008

# WITH OUR INTEGRATED PRODUCT PORTFOLIO, GREENBRIDGE SATISFIES INDUSTRY-SPECIFIC, END-OF-LINE SECUREMENT SOLUTIONS

Need strap? We got that.

Hand tools and accessories? We got that, too.

Equipment? We have equipment to bundle, unitize and wrap.

And if you need parts and service, just ask. We service all brands.

Greenbridge's integrated approach to end-of-line packaging includes everything from high quality polyester and polypropylene strap and cord; printed strap for branding and identification purposes; corner board, tools for unitizing bundles to fully automatic strapping machines for securing pallets and loads. Our team can help you select strap and cord with the right strength and tension distribution as well as recommend the right tools and equipment and provide training. We support you across the life of your equipment with maintenance programs, repairs and helpful advice.



## YOUR PRODUCTS ARE OUR PRIORITY

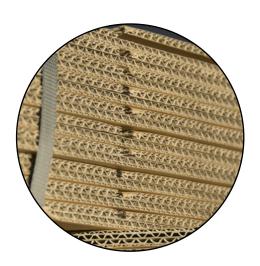
Greenbridge proudly serves a variety of industries. Our manual and power hand tools are effective and rugged enough for any environment. Our strapping and cord can perform nearly any task. And when you need something more specific, we have equipment and custom system options that will close the gap and get your products moving, securely. Greenbridge's team of experts can provide insights and recommendations for your securement needs. With over 50 years of experience, you can be certain we hold our products and our people to the highest standards. Put your trust in our skilled team of Sales, Service, and Engineering to bundle and customize the most efficient tools and strapping for your specific needs.

## **INDUSTRIES WE SERVE**

Appliances
Agriculture
Building Products

Can + Bottle
Corrugated
Distribution

Logistics Printing Protein







## **GREENBRIDGE STRAPPING PRODUCT CATEGORIES**



#### **Polypropylene**

The most economical, and best suited for light to medium bundling and light unitizing/ palletizing.

#### **Polyester**

Rapidly replacing steel for medium to heavy duty unitizing/palletizing. Except for steel, polyester has the highest retained tension of all strapping.

#### **Polyester Cord Strapping**

Used like a flat rope; cord is portable and requires no tools. Cord comes in five types; bonded, woven, composite, hotmelt, and lashing. Woven has bidirectional fibers which provides split resistance.

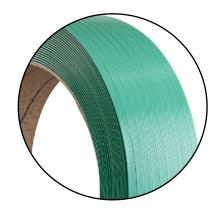
## **Grades of Strapping**

#### Machine/Systems Grade

Made to the highest specifications and contains no splices. It is made for use in high-speed automatic strapping machines.

#### Hand/Tool Grade

Made to less demanding specifications for hand applications including manual and power hand tools. Hand grade strapping may have up to one splice per coil.



## **Strapping Texture**

PET and PP strapping may be smooth or embossed and come in sheet and strand style products.

For friction seal tools and equipment, the plastic strapping is generally **smooth** and for heat sealing the strapping is generally textured or **embossed**. However, today there are exceptions to this rule as new heat seal equipment handles both **smooth or embossed** strapping with equal ease.

**Embossing** does provide a surface that allows for a more rapid melt in heat seal equipment while also adding flexibility, split resistance, and an improved grip. If the **embossing** is too light it may not seal properly in some equipment. Extra heavy **embossing** may weaken the strapping.



#### PLASTIC STRAPPING

## **Polyester (PET)**

PET can be smooth or embossed. It is only made in green or black. PET is glossy in appearance and very difficult to split.

Greenbridge's high tensile strength polyester strapping offers a superior product at a lower cost per foot than steel strapping. In most applications, heat or friction sealing the strap eliminates the extra cost and inventory of metal seals. More efficient, the typical PET coil weighs about half as much as a coil of steel and has more than twice the footage, reducing time consuming coil changeovers. For improved impact resistance, stain resistance, weather resistance, elongation, recovery, disposability and safety, polyester has no equal. When you combine all the above advantages with the fact that your customers are demanding it, the choice is clearly PET strapping.

#### Polyester (PET) Advantages

- High strength/tension
- PET is made in 3/8" minimum
- · Low elongation
- Large packages
- · Economics/high volume
- · Recyclability/sustainability
- Safer than Steel



## Polypropylene (PP)

Polypropylene is usually, but not always, textured or embossed. Polypropylene is most commonly made in black, white, yellow, and clear. Polypropylene is an economical solution.

#### Polypropylene (PP) Advantages

- Light duty bundling and arch machines (ex: newspapers)
- PP made in 3/16" minimum
- · Easy to open seals
- · Better colors, printing & branding
- · Lighter weight (30 lb/coil vs. 50 lbs/coil)



## Industry Key ——

MARKET	STRAP	REASON
NEWSPAPER	PP	Light duty
CORRUGATED (Bundling)	PP	Light duty
MAILING	PP	Light duty, clear
HAY BALES	PP	Printing & Colors, Low elongation
CAN & BOTTLE	PET	Large package, Low elongation, Retained tension
CORRUGATED (Pallets)	PET	Large package. Low elongation
LUMBER & BRICK	PET	High strength, High Tension
STEEL COILS	PET	High strength, High Tension

## **PLASTIC STRAPPING**

## **MACHINE GRADE POLYPROPYLENE**

## SMALL ARCH MACHINES + TABLE TOP APPLICATIONS

Light to Medium Packages | High Weld Efficiency | Maintains Consistent Tension

		0005	NOMINIAL	NOMBIA	NOMINAL		WEIGHT DED	0011 C DED		
ITEM NUMBER	COLOR	CORE SIZE	NOMINAL WIDTH	NOMINAL THICKNESS	NOMINAL BREAK	FOOTAGE	WEIGHT PER PALLET	COILS PER PALLET	SMOOTH/EMBOSSED	BOX/BULK
FLEXBAND - MACHI	NE GRAD	E PP - 5M	М							
MA1416W23000	W	8 X 8	1/4"/6MM	0.020	160	23,000	800	30	Embossed - No Wax	Boxed
MA1416C23000	W	8 X 8	1/4"/6MM	0.020	160	23,000	800	30	Embossed - No Wax	Boxed
MAS53C24000	С	8 X 8	5MM	0.016	130	24,000	780	24	Smooth - No Wax	Boxed
MA512W23000	W	8 X 8	5MM	0.020	130	23,000	750	30	Embossed - No Wax	Boxed
MA512C23000	С	8 X 8	5MM	0.020	130	23,000	750	30	Embossed - No Wax	Boxed
MB1416W23000	W	9 X 8	1/4"/6MM	0.020	160	23,000	800	30	Embossed - No Wax	Boxed
MB1416C23000	С	9 X 8	1/4"/6MM	0.020	160	23,000	800	30	Embossed - No Wax	Boxed
MB512W23000	W	9 X 8	5MM	0.020	130	23,000	780	30	Embossed - No Wax	Boxed
FLEXBAND - MACHI	NE GRAD	E PP - 6MI	M - 8MM							
MAS60XLY29000	Υ	8 X 8	1/4"/6MM	0.015	200	29,000	985	24	Smooth - No Wax	Boxed
MAS61XLC24000	С	8 X 8	1/4"/6MM	0.014	150	24,000	795	24	Smooth - No Wax	Boxed
MK8MMW14760	W	8 X 8K	8MM	0.02	200	14,760	675	24	Embossed - No Wax	Boxed
FLEXBAND - MACHIN	IE GRADE	PP 9MM/	3/8"							
MAS91XLC16000	С	8 X 8	3/8"/9MM	0.014	250	16,000	790	24	Embossed - No Wax	Boxed
MA3825W12900	W	8 X 8	3/8"/9MM	0.021	250	12,900	800	30	Embossed - No Wax	Boxed
MA3825B12900	В	8 X 8	3/8"/9MM	0.021	250	12,900	800	30	Embossed - No Wax	Boxed
MA3825C12900	С	8 X 8	3/8"/9MM	0.021	250	12,900	800	30	Embossed - No Wax	Boxed
MA3830W12900	W	8 X 8	3/8"/9MM	0.024	300	12,900	690	24	Embossed - No Wax	Boxed
MA3830C12900	С	8 X 8	3/8"/9MM	0.024	300	12,900	690	24	Embossed - No Wax	Boxed
MA3830B12900	В	8 X 8	3/8"/9MM	0.024	300	12,900	690	24	Embossed - No Wax	Boxed
MB3825W12900	W	9 X 8	3/8"/9MM	0.021	250	12,900	715	30	Embossed - No Wax	Boxed
MB3825B12900	В	9 X 8	3/8"/9MM	0.021	250	12,900	715	30	Embossed - No Wax	Boxed
MB3825C12900	С	9X X 8	3/8"/9MM	0.021	250	12,900	715	30	Embossed - No Wax	Boxed
MB3830W12900	W	9 X 8	3/8"/9MM	0.024	300	12,900	690	24	Embossed - No Wax	Boxed
MB3830B12900	В	9 X 8	3/8"/9MM	0.024	300	12,900	600	24	Embossed - No Wax	Boxed
MB3830C12900	С	9 X 8	3/8"/9MM	0.024	300	12,900	690	24	Embossed - No Wax	Boxed
FLEXBAND - MACHIN	IE GRADE	PP - 12MM	,,							
MA1235W9900	W	8 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MA1235B9900	В	8 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MA1235C9900	С	8 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MA500B6600	В	8 X 8	1/2"/12MM	0.026	500	6,600	680	24	Embossed - No Wax	Boxed
MB500B6600	В	9 X 8	1/2"/12MM	0.026	500	6,600	610	24	Embossed - No Wax	Boxed
MB1235W9900	W	9 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MB1235B9900	В	9 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MB1235C9900	С	9 X 8	1/2"/12MM	0.023	350	9,900	640	24	Embossed - No Wax	Boxed
MA1245B7200	В	8 X 8	1/2"/12MM	0.024	450	7,200	625	24	Embossed - No Wax	Boxed
MA1245W7200	W	8 X 8	1/2"/12MM	0.024	450	7,200	625	24	Embossed - No Wax	Boxed
MB1245W7200	W	9 X 8	1/2"/12MM	0.024	450	7,200	625	24	Embossed - No Wax	Boxed
MB1245B7200	В	9 X 8	1/2"/12MM	0.024	450	7,200	625	24	Embossed - No Wax	Boxed
MC500B6600	В	16 X 6	1/2"/12MM	0.026	500	6,600	705	28	Embossed - No Wax	Boxed
MC500W6600	W	16 X 6	1/2"/12MM	0.026	500	6,600	705	28	Embossed - No Wax	Boxed
MC413W9000	W	16 X 6	1/2"/12MM	0.025	350	9,000	930	28	Embossed - No Wax	Boxed
MC415B8900	В	16 X 6	1/2"/12MM	0.026	400	8,900	975	28	Embossed - No Wax	Boxed

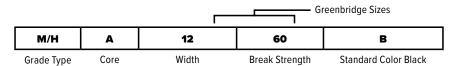
## SHEET MACHINE AND HAND GRADE POLYPROPYLENE

## POLYPROPYLENE LARGE ARCH MACHINES + LIGHT AND HEAVY DUTY HAND GRADE POLYPROPYLENE APPLICATIONS

Light to Medium Packages | High Weld Efficiency | Maintains Consistent Tension

ITEM NUMBER	COLOR	CORE SIZE	NOMINAL WIDTH	NOMINAL THICKNESS	NOMINAL BREAK	FOOTAGE	WEIGHT PER	COILS PER PALLET	SMOOTH/EMBOSSED	BOX/ BULK
SHEET PRODUCT	PP		<u> </u>							
MK113C25000	С	8 X 8K	5MM	0.014	120	25,000	660	24	SMOOTH - NO WAX	BULK
MK216C18000	С	8 X 8K	1/4"/6MM	0.016	200	18,000	720	24	SMOOTH - NO WAX	BULK
MK2X2C24000	С	8 X 8K	1/4"/6MM	0.013	150	24,000	740	24	SMOOTH - NO WAX	BULK
MK612B16000	В	8 X 8K	3/8"/9MM	0.012	225	16,000	735	24	SMOOTH - NO WAX	BULK
MK612C16000	С	8 X 8K	3/8"/9MM	0.012	225	16,000	735	24	SMOOTH - NO WAX	BULK
MK616B12000	В	8 X 8K	3/8"/9MM	0.016	300	12,000	725	24	SMOOTH - NO WAX	BULK
MK616C12000	С	8 X 8K	3/8"/9MM	0.016	300	12,000	725	24	SMOOTH - NO WAX	BULK
MK719B9000	В	8 X 8K	7/16"/10.5MM	0.019	400	9,000	735	24	SMOOTH - NO WAX	BULK
MK719C9000	С	8 X 8K	7/16"/10.5MM	0.019	400	9,000	735	24	SMOOTH - NO WAX	BULK
MK723B7500	В	8 X 8K	7/16"/10.5MM	0.024	500	7,500	735	24	SMOOTH - NO WAX	BULK
MK723C7500	С	8 X 8K	7/16"/10.5MM	0.024	500	7,500	735	24	SMOOTH - NO WAX	BULK
MK812C12000	С	8 X 8K	1/2"/12MM	0.012	300	12,000	740	24	SMOOTH - NO WAX	BULK
MC714B10500	В	16 X 6	7/16"/10.5MM	0.019	400	10,500	450	12	SMOOTH - NO WAX	BULK
MC714C10500	С	16 X 6	7/16"/10.5MM	0.019	400	10,500	450	12	SMOOTH - NO WAX	BULK
MC716B8000	В	16 X 6	7/16"/10.5MM	0.024	500	8,000	430	12	SMOOTH - NO WAX	BULK
MC718B7000	В	16 X 6	7/16"/10.5MM	0.03	600	7,000	450	12	SMOOTH - NO WAX	BULK
MC718C7000	С	16 X 6	7/16"/10.5MM	0.03	600	7,000	450	12	SMOOTH - NO WAX	BULK
MC723B9000	В	16 X 6	7/16"/10.5MM	0.024	500	9,000	465	12	SMOOTH - NO WAX	BULK
MC723C9000	С	16 X 6	7/16"/10.5MM	0.024	500	9,000	465	12	SMOOTH - NO WAX	BULK
MC729B7700	В	16 X 6	7/16"/10.5MM	0.03	600	7,700	480	12	SMOOTH - NO WAX	BULK
ECONOBAND - HAI	ND GRADI	E PP								
HALDB9000	В	8 X 8	1/2"/12MM	0.017	300	9,000	450	24	EMBOSSED - NO WAX	BOXED
HCLDB9000	В	16 X 6	1/2"/12MM	0.017	300	9,000	555	28	EMBOSSED - NO WAX	BOXED
HAHDB9000	В	8 X 8	1/2"/12MM	0.021	400	9,000	590	24	EMBOSSED - NO WAX	BOXED
HCHDB9000	В	16 X 6	1/2"/12MM	0.021	400	9,000	725	28	EMBOSSED - NO WAX	BOXED
HC500B7200	В	16 X 6	1/2"/12MM	0.024	500	7,200	755	28	EMBOSSED - NO WAX	BOXED
HA1260B7200	В	8 X 8	1/2"/12MM	0.028	600	7,200	735	24	EMBOSSED - NO WAX	BOXED
HC1260B7200	В	16 X 6	1/2"/12MM	0.028	600	7,200	885	28	EMBOSSED - NO WAX	BOXED
HC5882B6000	В	16 X 6	16MM	0.027	820	6,000	910	28	EMBOSSED - NO WAX	BOXED
HA5882B6000	В	8 X 8	16MM	0.027	820	6,000	765	24	EMBOSSED - NO WAX	BOXED
HA3410B4500	В	8 X 8	3/4"	0.031	1050	4,500	740	24	EMBOSSED - NO WAX	BOXED

#### **EXAMPLE ITEM NUMBER DESCRIPTION**





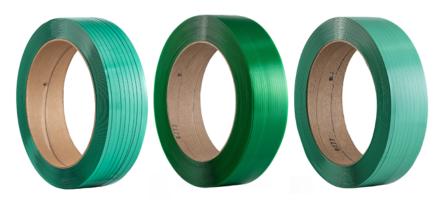
## **PLASTIC STRAPPING**

## HAND AND MACHINE GRADE POLYESTER

## POLYESTER STRAPPING FOR HEAVY DUTY USE

Minimal Elongation | Weather Resistant | Non-Corrosive | Safer than Steel

		CORE	NOMINAL	NOMINAL	NOMINAL		WEIGHT PER	COILS PER			
ITEM NUMBER	COLOR	SIZE	WIDTH	THICKNESS	BREAK	FOOTAGE	PALLET	PALLET	SMOOTH/EMBOSSED	BOX/BULK	
POWER TOOL GRAI	DE - POLY	ESTER (PE	T)								
HPC1816G10500	G	16 X 6	1/2"/12MM	0.019	500	10500	675	12	Smooth - Waxed	BULK	
HPC1818G9000	G	16 X 6	1/2"/12MM	0.021	600	9000	675	12	Smooth - Waxed	BULK	
HPC1822G6500	G	16 X 6	1/2"/12MM	0.028	800	6500	675	12	Smooth - Waxed	BULK	
HAND GRADE- POLY	ESTER (P	ET)									
HPD1260B3600	В	16 X 3	1/2"/12MM	0.02	600	3600	1280	56	SMOOTH - NO WAX	2/BOX	
HPD1280B3250	В	16 X 3	1/2"/12MM	0.028	820	3250	1450	56	SMOOTH - NO WAX	2/BOX	
HPC5890B4400	В	16 X 6	16MM	0.025	900	4400	1175	28	SMOOTH - NO WAX	BOXED	
HPC5811G3600	G	16 X 6	16MM	0.03	1100	3600	1130	28	SMOOTH - NO WAX	BOXED	
HPC5811B3600	В	16 X 6	16MM	0.03	1100	3600	1130	28	SMOOTH - NO WAX	BOXED	
POWER TOOL GRADE- POLYESTER (PET)											
HPC581EG4600	G	16 X 6	16MM	0.03	1100	4,600	1405	28	EMBOSSED - NO WAX	BULK	
HPC58PTG4000	G	16 X 6	16MM	0.035	1400	4,000	1420	28	SMOOTH - WAXED	BULK	
HPC583EG4000	G	16 X 6	16MM	0.035	1400	4,000	1375	28	EMBOSSED - NO WAX	BULK	
HPC5815G4200	G	16 X 6	16MM	0.035	1400	4,200	1440	28	SMOOTH - WAXED	BULK	
HPC5816G4000	G	16 X 6	16MM	0.04	1600	4,000	1560	28	SMOOTH - WAXED	BULK	
HPC584EG4000	G	16 X 6	16MM	0.04	1600	4,000	1565	28	EMBOSSED - NO WAX	BULK	
POWER TOOL GRA	DE- POLY	ESTER (PE	T) - AAR APPR	OVED							
HPC3440G3000	G	16 X 6	3/4"	0.04	1900	3000	1480	28	SMOOTH - WAXED	BULK	
HPC3440B3000	В	16 X 6	3/4"	0.04	1900	3000	1480	28	SMOOTH - WAXED	BULK	
HPC344EG3000	G	16 X 6	3/4"	0.04	1900	3000	1480	28	EMBOSSED - NO WAX	BULK	
HPC344EB3000	В	16 X 6	3/4"	0.04	1900	3000	1480	28	EMBOSSED - WAXED	BULK	
HPC3450G2400	G	16 X 6	3/4"	0.05	2400	2400	1480	28	SMOOTH - WAXED	BULK	
HPC3450B2400	В	16 X 6	3/4"	0.05	2400	2400	1480	28	SMOOTH - WAXED	BULK	
HPC345EG2400	G	16 X 6	3/4"	0.05	2400	2400	1480	28	EMBOSSED - NO WAX	BULK	
HPC1040G2200	G	16 X 6	1"	0.04	2500	2200	1450	28	SMOOTH - WAXED	BULK	
HPC1040B2200	В	16 X 6	1"	0.04	2500	2200	1450	28	SMOOTH - WAXED	BULK	
HPC1050G1800	G	16 X 6	1"	0.05	3000	1800	1505	28	SMOOTH - WAXED	BULK	
HPC1050B1800	В	16 X 6	1"	0.05	3000	1800	1505	28	SMOOTH - WAXED	BULK	
HPC1440G1800	G	16 X 6	1 1/4"	0.04	3200	1800	1600	28	SMOOTH - WAXED	BULK	
HPC1440B1800	В	16 X 6	1 1/4"	0.04	3200	1800	1600	28	SMOOTH - WAXED	BULK	
HPC1450G1500	G	16 X 6	1 1/4"	0.05	4000	1500	1610	28	SMOOTH - WAXED	BULK	
HPC1450B1500	В	16 X 6	1 1/4"	0.05	4000	1500	1610	28	SMOOTH - WAXED	BULK	



## **PLASTIC STRAPPING**

ITEM NUMBER	COLOR	CORE SIZE	NOMINAL WIDTH	NOMINAL THICKNESS	NOMINAL BREAK	FOOTAGE	WEIGHT PER PALLET	COILS PER PALLET	SMOOTH/EMBOSSED	BOX/ BULK		
MACHINE GRADE- P	OLYESTER		WISTI	THORITESS	DILEFUL		1 7(2221	T ALLE !		DOER		
MPC3840G12500	G	16 X 6	3/8"/9MM	0.019	400	12500	1430	28	SMOOTH - NO WAX	BULK		
MPC3850G9600	G	16 X 6	3/8"/9MM	0.02	500	9600	1275	28	SMOOTH - NO WAX	BULK		
MPC7650G10500	G	16 X 6	7/16"/10.5MM	0.02	500	10500	1585	28	SMOOTH - NO WAX	BULK		
MPC7650B10500	В	16 X 6	7/16"/10.5MM	0.02	500	10500	1585	28	SMOOTH - NO WAX	BULK		
MPC1250G12000-P1	G	16 X 6	1/2"/12MM	0.015	500	12000	1235	28	SMOOTH - NO WAX	BOXED		
	G						1235		SMOOTH - NO WAX			
MPC1260G7200		16 X 6	1/2"/12MM	0.02	600	7200		28		BOXED		
MPC1260B7200	В	16 X 6	1/2"/12MM	0.02	600	7200	1230	28	SMOOTH NO WAX	BOXED		
MPC1277G5800	G	16 X 6	1/2"/12MM	0.025	775	5800	1215	28	SMOOTH - NO WAX	BOXED		
MPC1277B5800	B	16 X 6	1/2"/12MM	0.025	775	5800	1215	28	SMOOTH - NO WAX	BOXED		
MACHINE GRADE EM				0.02	250	42750	4400	20	EMBOSSED NO WAY	DULK		
MPC383EG13750	G	16 X 6	3/8"/9MM	0.02	350	13750	1400	28	EMBOSSED - NO WAX	BULK		
MPC161EG13750	G	16 X 6	3/8"/9MM	0.02	350	13750	1440	28	EMBOSSED - NO WAX	BULK		
MPC171EG11550	G	16 X 6	7/16"/10.5MM	0.02	500	11550	1465	28	EMBOSSED - NO WAX	BULK		
MPC384EG12500	G	16 X 6	3/8"/9MM	0.02	400	12500	1495	28	EMBOSSED - NO WAX	BULK		
MPC385EG9600	G	16 X 6	3/8"/9MM	0.023	500	9600	1300	28	EMBOSSED - NO WAX	BULK		
MPC581EG4600	G	16 X 6	16MM	0.032	1100	4600	1200	28	EMBOSSED - NO WAX	BULK		
MPC765EG10500	G	16 X 6	7/16"/10.5MM	0.023	500	10500	1585	28	EMBOSSED - NO WAX	BULK		
MPC767EG9000	G	16 X 6	7/16"/10.5MM	0.027	600	9000	1535	28	EMBOSSED - NO WAX	BULK		
MPC125EG10500	G	16 X 6	1/2"/12MM	0.022	500	10500	1550	28	EMBOSSED - NO WAX	BULK		
MPC126EG7200	G	16 X 6	1/2"/12MM	0.023	600	7200	1250	28	EMBOSSED - NO WAX	BULK		
MPC127EG5800	G	16 X 6	1/2"/12MM	0.027	775	5800	1250	28	EMBOSSED - NO WAX	BULK		
MPC600EG9000	G	16 X 6	1/2"/12MM	0.023	600	9000	1520	28	EMBOSSED - NO WAX	BULK		
MPC584EG4000 G 16 X 6 16MM 0.04 1600 4000 1625 28 EMBOSSED NO WAX BUILDING												
MACHINE GRADE -	MACHINE GRADE - POLYESTER (PET) - WAXED - NON AAR											
MPC2030G4600	G	16 X 6	16MM	0.03	1100	4600	1400	28	SMOOTH - WAXED	BULK		
AAR APPROVED MAG	CHINE GR	ADE - POL	YESTER (PET) - '	WAXED								
MPC2035G4000	G	16 X 6	16MM	0.035	1400	4000	1425	28	SMOOTH - WAXED	BULK		
MPC2040G4000	G	16 X 6	16MM	0.04	1600	4000	1595	28	SMOOTH - WAXED	BULK		
AAR APPROVED MAG	CHINE GR	ADE - POL	YESTER (PET)									
MPC5835G4000	G	16 X 6	5/8"	0.035	1400	4000	1428	28	SMOOTH - LUBRICATED	BULK		
MPC583EG4000	В	16 X 6	5/8"	0.035	1400	4000	1428	28	EMBOSSED - NO WAX	BULK		
MPC5840G4000	G	16 X 6	5/8"	0.04	1600	4000	1624	28	SMOOTH - LUBRICATED	BULK		
MPC584EG4000	В	16 X 6	5/8"	0.04	1600	4000	1599	28	EMBOSSED - NO WAX	BULK		
MPC3440G3000	G	16 X 6	3/4"	0.04	1900	3000	1480	28	SMOOTH - LUBRICATED	BULK		
MPC3440B3000	В	16 X 6	3/4"	0.04	1900	3000	1480	28	SMOOTH - LUBRICATED	BULK		
MPC344EG3000	G	16 X 6	3/4"	0.04	1900	3000	1480	28	EMBOSSED - NO WAX	BULK		
MPC344EB3000	В	16 X 6	3/4"	0.04	1900	3000	1480	28	EMBOSSED - WAXED	BULK		
MPC3450G2400	G	16 X 6	3/4"	0.05	2400	2400	1480	28	SMOOTH - LUBRICATED	BULK		
	В	16 X 6	3/4"	0.05	2400	2400	1480	28	SMOOTH - LUBRICATED	BULK		
MPC3450B2400			3/4"	0.05	2400	2400	1480		EMBOSSED - NO WAX			
MPC345EG2400	G	16 X 6						28		BULK		
MPC345EB2400	В	16 X 6	3/4"	0.05	2400	2400	1480	28	EMBOSSED - NO WAX	BULK		
MPC1040B1800	G	16 X 6	1"	0.04	2500	2200	1450	28	SMOOTH - LUBRICATED	BULK		
MPC1040G1800	В	16 X 6	1"	0.04	2500	2200	1450	28	SMOOTH - LUBRICATED	BULK		
MPC1050G1800	G	16 X 6	1"	0.05	3000	1800	1505	28	SMOOTH - LUBRICATED	BULK		
MPC1050B1800	В	16 X 6	1"	0.05	3000	1800	1505	28	SMOOTH - LUBRICATED	BULK		
MPC1440B1800	G	16 X 6	1 1/4"	0.04	3200	1800	1600	28	SMOOTH - NO WAX	BULK		
MPC1440G1800	В	16 X 6	1 1/4"	0.04	3200	1800	1600	28	SMOOTH - NO WAX	BULK		
MPC1450B1500	G	16 X 6	1 1/4"	0.05	4000	1500	1610	28	SMOOTH - LUBRICATED	BULK		
MPC1450G1500	В	16 X 6	1 1/4"	0.05	4000	1500	1610	28	SMOOTH - LUBRICATED	BULK		

## **HAND GRADE POLYESTER**

## POLYESTER STRAPPING FOR HEAVY DUTY USE

Minimal Elongation | Weather Resistant | Non-Corrosive | Safer than Steel

ITEM NUMBER	COLOR	CORE SIZE	NOMINAL WIDTH	NOMINAL THICKNESS	NOMINAL BREAK	FOOTAGE	WEIGHT PER PALLET	COILS PER PALLET	SMOOTH/EMBOSSED	BOX/ BULK		
HAND GRADE - POL	YESTER (P	ET)										
HPD1260B3600	В	16 X 3	1/2"/12MM	0.02	600	3600	1280	56	SMOOTH - NO WAX	2/BOX		
HPD1280B3250	В	16 X 3	1/2"/12MM	0.028	820	3250	1450	56	SMOOTH - NO WAX	2/BOX		
HPC5890B4400	В	16 X 6	16MM	0.025	900	4400	1175	28	SMOOTH - NO WAX	BOXED		
HPC5811G3600	G	16 X 6	16MM	0.03	1100	3600	1130	28	SMOOTH - NO WAX	BOXED		
HPC5811B3600	В	16 X 6	16MM	0.03	1100	3600	1130	28	SMOOTH - NO WAX	BOXED		
POWER TOOL GRAD	POWER TOOL GRADE - POLYESTER (PET)											
HPC581EG4600	G	16 X 6	16MM	0.03	1100	4,600	1405	28	EMBOSSED - NO WAX	BULK		
HPC58PTG4000	G	16 X 6	16MM	0.035	1400	4,000	1420	28	SMOOTH - WAXED	BULK		
HPC583EG4000	G	16 X 6	16MM	0.035	1400	4,000	1375	28	EMBOSSED - NO WAX	BULK		
HPC5815G4200	G	16 X 6	16MM	0.035	1400	4,200	1440	28	SMOOTH - WAXED	BULK		
HPC5816G4000	G	16 X 6	16MM	0.04	1600	4,000	1560	28	SMOOTH - WAXED	BULK		
HPC584EG4000	G	16 X 6	16MM	0.04	1600	4,000	1565	28	EMBOSSED - NO WAX	BULK		
POWER TOOL GRAI	DE - POLY	ESTER										
HPC1816G10500	G	16 X 6	1/2"/12MM	0.019	500	10500	675	12	Smooth - Waxed	BULK		
HPC1818G9000	G	16 X 6	1/2"/12MM	0.021	600	9000	675	12	Smooth - Waxed	BULK		
HPC1822G6500	G	16 X 6	1/2"/12MM	0.028	800	6500	675	12	Smooth - Waxed	BULK		

## **MACHINE GRADE POLYESTER**

## POLYESTER STRAPPING FOR HEAVY DUTY USE

Minimal Elongation | Weather Resistant | Non-Corrosive | Safer than Steel

ITEM NUMBER	COLOR	CORE SIZE	NOMINAL WIDTH	NOMINAL THICKNESS	NOMINAL BREAK	FOOTAGE	WEIGHT PER PALLET	COILS PER PALLET	SMOOTH/EMBOSSED	BOX/ BULK
SHEET - POLYESTE	R (PET)									
MPC1612G16000	G	16 X 6	3/8"/9MM	0.015	300	14500	16000	28	SMOOTH - NO WAX	BULK
MPC1614G14500	G	16 X 6	3/8"/9MM	0.02	400	14500	1755	28	SMOOTH - WAXED	BULK
MPC1715G11550	G	16 X 6	7/16"/10.5MM	0.021	500	11550	1675	28	SMOOTH - WAXED	BULK
MPC1725G11550	G	16 X 6	7/16"/10.5MM	0.022	500	11550	1755	28	SMOOTH - WAXED	BULK
MPC1717G9900	G	16 X 6	7/16"/10.5MM	0.024	550	9900	1655	28	SMOOTH - WAXED	BULK
MPC1720G9000	G	16 X 6	7/16"/10.5MM	0.026	600	9000	1595	28	SMOOTH - NO WAX	BULK
MPC1818G9000	G	16 X 6	1/2"/12MM	0.021	600	9000	635	12	SMOOTH - NO WAX	BULK
MPC1820G7200	G	16 X 6	1/2"/12MM	0.026	800	7200	1365	28	SMOOTH - WAXED	BULK
MPC1822G6500	G	16 X 6	1/2"/12MM	0.028	800	6500	610	12	SMOOTH - NO WAX	BULK

# Greenbridge Recycled Chopped Green PET Strapping Policy

# WHAT WE CAN TAKE:

- We purchase transparent green OR opaque green PET strapping only.
  - Separation of colors is highly recommended.
  - Transparent green PET holds a higher value.



## **RECYCLED PET PROTOCOL**

Contact Laurie Hall

Ihall@greenbridge.com

Direct phone:

440-534-2033

- All strapping must be chopped **GREEN PET ONLY** no contamination
- Separation of colors is highly recommended
- Any contamination can result in a rejection of the delivery
- We cannot process PET strapping with PP strapping, paper, metal seals or other contamination
- All strapping must be very clean zero tolerance
- We cannot accept strapping with any contamination we do not have a way to clean material
- We do not accept chopped strapping in super sack bags, drums or cage/bladder totes
- Used boxes are accepted, but they must be clean
- We only pay for net weight of strapping in box









### **CORD STRAPPING**



- · Economical vs. steel strapping
- · Safe to use, handle, and dispose
- Light weight and portable
- Clean, will not stain or rust
- Elastic memory keeps loads tight
- Meets or exceeds ASTM designation D-3950
- Non-abrasive, non-marring
- Requires one tool to tension and cut
- AAR-53 approved sizes available
- Offers maximum impact resistance
- High joint efficiency + systems strength
- Custom color + print available

#### **5 TYPES OF CORD STRAPPING**

#### **Bonded Cord Strapping (non-woven)**

Bonded cord strapping is used as a safe, inexpensive product for bundling and securing a wide variety of items across a multitude of industries. From agriculture, nursery, landscaping, automotive, printing, light building products, to baling corrugated and plastic for recycling, bonded cord strapping is your best solution. Flame retardent regular duty bonded cord available.



#### **Woven Cord Strapping**

Woven cord strapping provides additional bidirectional strength and split resistance often required in harsher environments. General purpose woven cord strapping is cost effective and ideal for securing and bundling light to medium/heavy loads for most industries. Heavy duty and extra heavy duty cord strapping are super tough-high tensile products designed for application to replace more expensive steel strapping. These products are used primarily for securing heavy and extra heavy loads in the bundling, metal and plastics industries as well as for rail car load securement.



**WOVEN** 

## **CORD, CORD TOOLS + ACCESSORIES**

#### **Composite Cord Strapping**

Composite cord strapping is made from polyester fibers coated with clear polypropylene. The clear polypropylene coating provides added water resistance protection and improved handling properties when threading the strapping under pallets and through metal buckles.



Hotmelt is the second generation of non-woven types. As the name implies, the bonding agent is a hot glue. It is more resistant to splitting and its surface is smooth. It has similar properties to Composite strapping. Coils will never get excessively sticky, even when left in storage for long periods of time, in any weather.

#### Lashing

Lashing is our strongest product, with a break strength of up to 13,000 kg, (28,659 b). It is a woven type strap made from a higher strength yarn than our other products, and also has a higher material density (tight knit).



COMPOSITE





## **Buckles for Cord Strapping**



Phosphate finished buckles are for bonded and all woven cord to achieve proper joint strength.



Galvanized finished buckles are for composite cord to achieve proper joint strength.



How to Thread Cord Strapping onto Metal Buckles

## **CORD, CORD TOOLS + ACCESSORIES**

## BC2040 + CP3040

#### BATTERY-POWERED AND PNEUMATIC AIR TENSIONERS FOR CORD STRAP

battery-powered tensioner for cord strap tool produces tighter, safer and more secure package loads. The CP3040 is a Pneumatic version. Softer and safer cord strapping is easier on your hands, packages and contents. Your customers will appreciate their shipments arriving with less product damage strapped securely with cord strapping verses other methods of packaging.



#### **FEATURES**

- Tool tensions and cuts cord strapping
- Secures strapping via a wire buckle
- Easy to use, two-step basic operation
- Strong, reliable, heavy-duty metal construction
- Very low maintenance

#### **ACCESSORIES**

The BC2040 comes with two batteries and a charger.





#### **TOOL SPECS**

Maximum Tension2200 lbs.Tensioning Speed3.6"/sec.Tool Length13"Tool Width4.5"Tool Height6.3"Tool Weight11 lbs.

**Strap Thickness** For cord up to 1.5" wide and .024" to .055" thick

## TENSIONERS FOR CORD STRAPPING



#### **EQUIPMENT SPECS**

13" Length

**Strap Size** Up to 1.5", .024 to .055 thick

••••••

Tension Up to 3000 lbs
Weight 9.9lbs

Weight



#### **TH22**

#### REGULAR DUTY WINDLASS CORD TENSIONER

#### **EQUIPMENT SPECS**

Length 10.5" **Strap Size** Up to 3/4"

**Style** Windlass - non repairable

•••••••

Weight 3 lbs



## **TH26**

#### HEAVY DUTY WINDLASS CORD TENSIONER

#### **EQUIPMENT SPECS**

12" Length

**Strap Size** Up to 1.5"

Style Heavy Duty Windlass
Weight 4 lbs



#### **TH325**

#### HEAVY DUTY WINDLASS CORD TENSIONER

••••••••••••

#### **EQUIPMENT SPECS**

11" Length

**Strap Size** 0.5" - 0.75"

Style Heavy Duty Windlass

Weight 5 lbs



## **CORD, CORD TOOLS + ACCESSORIES**

## TENSIONERS FOR CORD STRAPPING

#### **TH375**

EXTRA HEAVY DUTY WINDLASS CORD TENSIONER

#### **EQUIPMENT SPECS**

Length

11"

**Strap Size** .75" - 1.5"

**Style** Extra Heavy Duty Windlass

Weight 9.9lbs



#### **TRPB**

EXTRA HEAVY DUTY WINDLASS CORD TENSIONER

#### **EQUIPMENT SPECS**

Length

12.5"

Strap Size

1/2", 5/8", 3/4"

**Style** Extra Heavy Duty Windlass

Weight 4 lbs



## **BATTERY VS PNEUMATIC**

#### **HEAVY DUTY BATTERY**

For portability and medium to heavy tensioning, battery powered tools are the answer. Whether out in the yard or way back in the plant, you won't need an air or electricity power source to operate thees friction sealing tools.



#### **HEAVY DUTY PNEUMATIC**

For in-line production and medium to extra heavy tensioning applications an air powered friction sealing tool is your best choice.

We recommend a counter balancer for tool suspension: use 400 0105 for tools up to 13 lbs. and 400 0237 for tools up to 24 lbs.

## **BONDED CORD STRAPPING - REGULAR DUTY**



3"X5" CORE

ITEM NUMBER	WOVEN	STD. COLOR	Nominal Width	FOOTAGE	BREAK	RECOMMENDED BUCKLE	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
PC2030	N/A	w	1/4"	7800	350	HAND TIE	48	4	850
PC3045	N/A	W/ L	3/8"	5250	500	HAND TIE	48	4	790
PC30RS	N/A	W/ L	3/8"	1125	500	HAND TIE	300	1	1200
PC301650Y	N/A	Y	3/8"	1650	500	HAND TIE	96	4	550
PC4060	N/A	W/ L	1/2"	3900	650	SB12HDP	48	4	830
PC5075	N/A	w	5/8"	3000	800	SB58XDP	48	4	790
PC6090	N/A	w	3/4"	2100	900	SB34SDP	48	4	700

## **BONDED CORD STRAPPING - FLAME RETARDANT REGULAR DUTY**

3"X5" CORE

ITEM NUMBER	WOVEN	STD. COLOR	NOMINAL WIDTH	FOOTAGE	BREAK	RECOMMENDED BUCKLE	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
PCA20S	N/A	Y	1/4"	3000	750	HAND TIE	120	4	690
PCA30S	N/A	Y	3/8"	3000	1150	HAND TIE	120	4	860
PCA40S	N/A	Y	1/2"	1500	1250	SB12HDP	120	4	590

## **COMPOSITE CORD STRAPPING - HEAVY DUTY**



8X8 CORE

ITEM NUMBER	WOVEN	STD. COLOR	NOMINAL WIDTH	FOOTAGE	BREAK	RECOMMEND- ED BUCKLE	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
CC40	NO	w	1/2" X .040	3610	660	SB12HDG	72	2	1670
CC50	NO	w	5/8" X .040	2790	950	SB58XDG	72	2	1670
CC55	NO	w	5/8" X .040	2000	1200	SB58X15G	72	2	1670
CC60	NO	w	3/4" X .040	1968	1050	SB34XDG	72	2	1382
CC65	NO	w	3/4" X .045	1640	1400	SB34XDG	72	2	1310
CC69	NO	w	3/4" X .050	1640	1740	SB34X17G	72	2	1598
CC85	NO	w	1" X .045	1640	1800	SB1HDG	72	2	1742
CC89	NO	w	1" X .045	1300	2700	SB1XDG	72	2	1994
CC105	NO	w	1.25" X .055	770	3320	SB114XDG	72	2	1454
CC105A*	NO	W	1.25" X .055	820	3285	SB114XDG	72	2	1598

\*AAR APPROVED

#### **ITEM NUMBER DESCRIPTION**

PC	40	60	w	R
Polyester Cord=PC	Item Code	Break Strength	T/W=Woven N/Δ=Ronded	Color

#### STANDARD COLORS

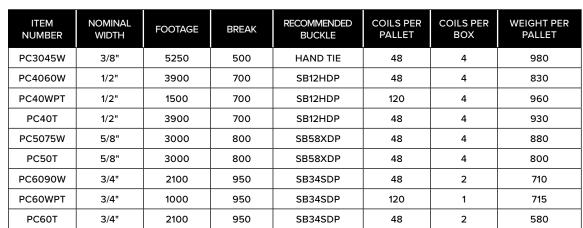
W - WHITE O - ORANGE Y - YELLOW
L - BLUE R - RED G - GREEN
WB - WHITE WITH BLUE TRACER
\*OTHER COLORS AVAILABLE UPON REQUEST

## **CORD, CORD TOOLS + ACCESSORIES**

## **WOVEN CORD - GENERAL PURPOSE**

3"X5" CORE

ALL 3/4" AND ABOVE IS ON A 3"X5.5" CORE.





## **WOVEN CORD - HEAVY/EXTRA HEAVY DUTY**

3"X5" CORE

ALL 3/4" AND ABOVE IS ON A 3"X5.5" CORE. 1" - 11/2" RIBBON WOUND IS ON A 1" TO 11/4" CORE.





DUTY



**APPROVED** 

ITEM NUMBER	NOMINAL WIDTH	FOOTAGE	BREAK	RECOMMENDED BUCKLE	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
PC50TXO	5/8"	2000	1500	SB58X15P	48	2	900
PC60TXO	3/4"	1675	1800	SB34X17P	48	2	870
PC65WQO	3/4"	1650	2400	SB34X17P	48	2	1070
PC75TXO*	3/4"	1650	2800	SB34X17P	48	2	2360
PC75TO*	3/4"	1650	2400	SB34XDP	48	2	1020
PC100TO**	1"	660	2700	SB1HDP	48	4	470
PC100TO1	1"	1080	2700	SB1HDP	48	2	800
PC105TO**	1 1/4"	660	3300	SB114XDP	48	4	600
PC105TO1	1 1/4"	1080	3300	SB114XDP	48	2	940
PC105TAO*	1 1/4"	660	3900	SB114XDP & SB105LAD	48	4	690
PC150TO**	11/2"	600	4400	SB114XDP	48	4	830
PC150TXO**	11/2"	600	5400	SB114XDP	48	4	810
PC150TXA*	11/2"	600	5400	SB150LAD	48	4	810

<sup>\*</sup> AAR Approved; Certificate available upon request.

#### ITEM NUMBER DESCRIPTION

PC	105	w	х	0
Polyester Cord	Item Code	T/W=Tight Weave/Woven N/A=Bonded	Extra Heavy Duty	Color

<sup>\*\* 1&</sup>quot; up to  $1\frac{1}{2}$ " ribbon wound cord on 1 -  $1\frac{1}{4}$ " core.

## **HOTMELT BONDED CORD - HEAVY DUTY**

3"X5.5" CORE



ITEM NUMBER	TYPE	WIDTH	NOMINAL BREAK STRENGTH	LENGTH PER COIL	WEIGHT PER COIL	SUGGESTED BUCKLE
30143CA	HM B40	1/2	882	820	3.7	N/A
PACKAGED 8 COI	LS PER BOX	288 COILS (	36 BOXES) PER PALLET			
30192CA	HM45	1/2	1,279	3,623	23.4	CB4LD
30048CA	HM48	1/2	1,528	3,085	26.2	CB4LD
30193CA	HM55	5/8	1,627	2,843	24.6	CB5HD
30594CA	HM65	3/4	2,130	2,423	26.8	N6, N6HD
PACKAGED 2 COI	PACKAGED 2 COILS PER BOX   96 COILS (48 BOXES) PER PALLET					
30775CA	HM60	3/4	1,625	2,641	20.9	N6, N6HD
PACKAGED 2	PACKAGED 2 COILS PER BOX   72 COILS (36 BOXES) PER PALLET			COIL SIZE (INC	HES): 3 X 5 1/2 X 11   C	OLOUR: NATURAL

## **LASHING CORD - HEAVY DUTY**

### 8X8 CORE



ITEM NUMBER	TYPE	WIDTH	NOMINAL BREAK STRENGTH	LENGTH PER COIL	WEIGHT PER COIL	SUGGESTED BUCKLE
*20150CA	AG40	1.625"	7700 LBS	820'	35 LBS	*BN1431
*20150-1CA	AG40	1.625"	7700 LBS	10,000'	429 LBS	*BN1431
*20201CA	AG50	1.625"	11000 LBS	656'	40 LBS	*BN1431
*20800CA	AG75	2"	16500 LBS	656'	57 LBS	*LG75

<sup>\*</sup>AAR APPROVED

## **PRE-CUTS**



ltem TYPE		WIDTH	NOMINAL BREAK STRENGTH		LENGTH PER COIL	WEIGHT PER COIL	SUGGESTED
Number	1175	INCHES	LBS		FEET	LBS	BUCKLE
30011CA	PET	7/16	300		18	28.16	C4
PACKA	PACKAGED 500 PRE-CUTS PER BOX   16 BOXES PER PALLET				C4 BUCKL	E ATTACHED	

## THE EVOLUTION SERIES

#### FULLY AUTOMATIC, BATTERY POWERED SMART STRAPPING TOOLS NOW WITH APP!

The world's first lever-free tool on the market, the patent-protected EVOLUTION Series is a fully automatic, battery-operated smart-technology enabled strapping tool that redefines tensioning and sealing performance.



## EVOLUTION LT SPECIFICATIONS

Maximum TensionUp to 600 lbs.Battery18v 5.0AhSealFriction Weld 7.2"/sec.

Polyester Strap

Tool Length 13"
Tool Width 5.5"
Tool Height 5.3"

**Tool Weight** 9.7 lbs. with battery

THE **EVOLUTION HT** 

**Strap Width** 1/2"-5/8"

Recommended Strap Thickness

.019"-.036"

Includes Charger + 2 Batteries Option

Makita<sup>™</sup> compatible (BL1840) spare battery

## EVOLUTION HT SPECIFICATIONS

Maximum TensionUp to 1000 lbs.Battery18v 5.0AhSealFriction Weld 4"/sec.Polyester Strap

Tool Length 13"
Tool Width 5.3"
Tool Height 5.3"

**Tool Weight** 10.2 lbs. with battery

**Strap Width** 5/8" - 3/4"

Recommended

Strap Thickness .028"-.050"

Includes Charger + Makita<sup>TM</sup> compatible
2 Batteries Option (BL1840) spare battery



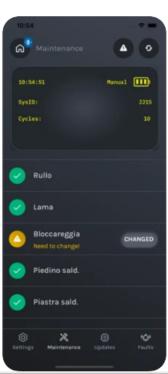
At the core of the EVOLUTION Series is integrated Bluetooth smart technology that enables all setups to be done on a smart phone or tablet. This rugged, ergonomically designed tool is lighter, faster, and gets to the desired tension faster than previous generations. Because there's no lever, it's also safer and easier to operate.

You need these tools.











#### **FEATURES**

- Bluetooth-enabled smart technology
- Control all settings with app or touch screen
- Set + lock tensioning force, weld time + operating mode
- Allows supervisor to set + lock tool functions
- Soft mode setting for easily damaged products
- Maintenance screen includes battery status
- Install software updates with the app
- Intuitive interface, easy-to-master operation

## B600 + B1200

## FULLY AUTOMATIC, BATTERY POWERED FRICTION WELD STRAPPING TOOLS

#### **HOW MUCH POWER DO YOU NEED?**

The B600 tool pulls up to 600 lbs. of tension. and the B1200 tool pulls up to 1200 lbs. of tension.



Need a versatile strapping tool that can secure any assignment you throw at it? Greenbridge's B600 and B1200 fully automatic friction weld tools give you the strength and tension you need—pulling up to 1,200 pounds—with convenience of battery power. These powerful tools accommodate polypropylene and polyester plastic strapping. Simple strap guide changes and instructions are included to ensure proper strap tracking with this higher tensioning technology. The 14.8V lithium polymer battery weighs less and is more efficient in power output compared to nickel-cadmium and lithium-ion batteries of higher voltage. Both tools can be fully re-charged at any time without memory loss.

#### **RUNS LONGER!**

1 battery charge gets up to 300 cycles per charge.



## **FEATURES**

- One button operation
- Lithium polymer battery
- DC brushless motors
- Tools come with 2 batteries, 1 charger

TOOL SPECS	B600	B1200
Maximum Tension	600 lbs.	1200 lbs.
Battery	14.8V, 2.0Ah, Li-Po	14.8V, 3.0Ah, Li-Po
Seal	Friction weld	Friction weld
Tensioning Speed	10.4 inches/second	10.4 inches/second
Tool Length	11.8"	11.8"
Tool Width	5.9"	5.9"
Tool Height	6.3"	6.3"
Tool Weight	8.8 lbs.	8.8 lbs.
Strap Width	1/2"-5/8"	5/8"-3/4"
<b>Recommended Strap Thickness</b>	.019"030"	.031"050"
<b>Battery Charge Time</b>	20-40 minutes	20-40 minutes
Seal Strength	80% plus of the break strap based on quality	strength of the parent
Option	Suspension bracket, H	HD wear plate

## **B300**

## ECONOMY BATTERY-POWERED, FRICTION WELD TOOL

#### **TOOL SPECS**

Maximum Tension 300 lbs.

**Battery** 14.4V, 3.0Ah, Li-Ion Seal Friction weld **Tensioning Speed** 5"/second **Tool Length** 12.5" **Tool Width** 5.5" **Tool Height** 6.5" **Tool Weight** 8.8 lbs. Strap Width 1/2" - 5/8"**Recommended Strap Thickness** .020" - .030"

**Seal Strength** 75% plus of the break strength of the parent strap based on quality

#### **ACCESSORIES**

The B300 comes with two batteries and a charger.



B301 Battery				
Item Number	B301BAT			
Туре	Lithium Ion			
Output	14.84V, 3.0Ah			







B301 Charger			
Code	301CHG		
Power Supply	60Hz 35W		
<b>Output</b> 116.4V 3A 35W			

### **B2000**

## TOP-OF-THE-LINE, BATTERY-POWERED, FRICTION WELD TOOL



#### **TOOL SPECS**

**Maximum Tension** 2000 lbs. **Battery** 36V. 2.0Ah. Li-Ion Seal Friction weld Strap Type Polyester **Tensioning Speed** 7"/second 11.8" **Tool Length Tool Width** 5.9" **Tool Height** 7.9" **Tool Weight** 14.2 lbs. Strap Width 1" - 1-1/4"**Recommended Strap Thickness** .040"- .050"

**Seal Strength** 80% plus of the break strength of the parent strap

based on quality

#### **ACCESSORIES**

The B2000 comes with two batteries and a charger. Optional 3/4" strap guide is available.



B2000 Battery			
Item Number B2000BAT			
Туре	Lithium Ion		
Output 36V, 2.0Ah			



B2000 Charger				
Code	2000CHG			
Power Supply	60Hz 375W			
Output	14.4V 3.6V 2A			

## **B400**

#### BATTERY STRAPPING TOOL FOR PLASTIC STRAP

#### **EQUIPMENT SPECS**

Maximum Tension 450 lbs.

Battery4.8V, 3.0Ah, Li-PoSealFriction Weld

**Strap Type** Polypropylene + Polyester

Tensioning Speed5.9"/sec.Tool Length11.4"Tool Width5.5"Tool Height6.6"Tool Weight7.9 lbs.

 Strap Width
 3/8", 7/16", 1/2", 5/8"

 Recommended Strap Thickness
 .019" - .030"

**Seal Strength** 80% of Strap Break Strength





#### **ACCESSORIES**

The B400 comes with two batteries and a charger.

## **B800**

#### BATTERY STRAPPING TOOL FOR PLASTIC STRAP



#### **ACCESSORIES**

The B800 comes with two batteries and a charger.



B800 Battery				
Item Number	B800BAT			
Туре	Lithium Polymer			
Output	14.8V, 3Ah			

#### **EQUIPMENT SPECS**

**Maximum Tension** 850 lbs

Battery14.8V, 3.0Ah, Li-PoSealFriction Weld

**Strap Type** Polypropylene + Polyester

**Tensioning Speed** 5.9"/sec.

Tool Length12.4"Tool Width5.5"Tool Height7.6"Tool Weight8.4 lbs.Strap Width5/8" - 3/4"Recommended Strap Thickness.025" - .040"

**Seal Strength** 80% of Strap Break Strength



B800 Charger					
Code 400CHG					
60Hz 80W					
16V 5A					

## **B1000**

## ROBUST, BATTERY-POWERED, FRICTION WELD TOOL

#### **EQUIPMENT SPECS**

Maximum Tension 1125 lbs.

Battery14.8V, 3.0Ah, Li-PoSealFriction weldTensioning Speed5.9"/secondTool Length12.4"Tool Width5.5"

 Tool Width
 5.5"

 Tool Height
 7.2"

 Tool Weight
 8.84 lbs.

 Strap Width
 5/8" - 3/4"

 Recommended Strap Thickness
 .031" - .050"

**Seal Strength** 80% plus of the break strength



#### **ACCESSORIES**

The B1000 comes with two batteries and a charger.



B1000 Battery			
Item Number	B800BAT		
Туре	Lithium Polymer		
Output	14.8V, 3Ah		



B1000 Charger			
Code	400CHG		
Power Supply	60Hz 80W		
Output	16V 5A		

## **MT320**

#### BATTERY STRAPPING TOOL FOR PP AND PET STRAP

The MT320 battery strapping tool has adjustable functioning modes to fit your application: automatic, semi-automatic, manual and "soft". The MT 320 strapping tool is equipped with the latest generation Li-lon batteries with no 'memory effect' and a brushless motor to ensure superior strapping tool performance at the highest cycle speed and tension in the market. Perfectly balanced, it is safe and easy to operate thanks to its unique opening system. The MT 320 is an effective and efficient strapping tool designed to exceed the requirements for a wide range of applications.

#### **EQUIPMENT SPECS**

Strap PP/PET

**Strap Width** From 10 mm up to 16 mm **Strap Thickness** From 0.5 mm up to 1.10 mm

Max. Tension3.200 N"SOFT" Mode500 NMax. Tension Speed10.5 in/sec.Join TypeFriction weld sealWeight8 Lbs. (Inc. battery)

**Battery** Akku<sup>™</sup> Power 14.4v 4 Ah Li-ion



## **EXTREME**

#### BATTERY STRAPPING TOOL FOR PLASTIC STRAP

#### **TOOL SPECS**

StrapPP/PETStrap Width16mm/19mmStrap Thickness0.7 - 1.27Max. Tension on single strap4.200 NMax. Tension on package8.400 NMax. Tension speed9.0 mt/minJoin Type:Friction weld

Weight 4 kg. (includes battery)

**Battery** Akku Power SP5 18 Vdc 5 Ah Li-Ion





#### **OPTIONS**

- Additional Akku<sup>™</sup> Power SP5 Battery 18 Vdc 5 Ah Li-Ion
- Battery charger for Li-lon Battery Akku<sup>™</sup> Power

## **MT650**

#### HEAVY-DUTY BATTERY STRAPPING TOOL FOR PP AND PET STRAP

The MT650 compact, versatile and easy to use battery strapping tool has adjustable functioning modes to fit your application: automatic, semi-automatic, manual and "soft". Tension, Seal and Cut by pushing a single button (in automatic or semi-automatic mode). Perfectly balanced, it can perform both vertical and horizontal strapping. The brushless motor is powered with last generation Li-lon battery for long lasting operation and performance.



#### **TOOL SPECS**

**Strap** PP/PET

**Strap Width** From 19 mm up to 25 mm

**Strap Thickness** From 0.8 mm up to 1.30 mm with 19 mm

From o.8 mm up to 1.05 with 25mm

Max. Tension4.500 NMax. Tension Speed6.1 in/sec.

Join Type Friction weld seal
Weight 8.8 Lbs. (Inc. battery)

**Battery** Akku<sup>™</sup> Power 18.0 V 5.0 Ah Li-ion

## **PHT401**

#### PNEUMATIC STRAPPING TOOL

#### **TOOL SPECS**

Maximum Tension450 lbs.SealFriction Weld

**Strap Type** Polypropylene + Polyester

Tensioning Speed11m/minTool Length11"Tool Width6"Tool Height6.9"Tool Weight10.8 lbs

 Strap Width
 3/8", 7/16", 1/2", 5/8"

 Recommended Strap Thickness
 .020" - .029"

**Seal Strength** 80% of Strap Break Strength

## 450lbs of Tension



## **PHT801**

### PNEUMATIC STRAPPING TOOL

## 850lbs of Tension



#### **TOOL SPECS**

LxWxH 11" x 6" x 6.9" Weight 11.2 lbs. **Pressure Range** 5.0 - 7 bar/70 - 99 psi **Pressure Consumption** 14L/s - 29 cu ft/mi **Max Tension** 850 lbs. **Tension Speed** 9 m/min **Recommended Strap** 5/8", 3/4" polypropylene .030" - .040" Size/Thickness

## PHT1201

#### PNEUMATIC STRAPPING TOOL

#### **TOOL SPECS**

**L x W x H** 11.8" x 6" x 6.9" **Weight** 11.2 lbs.

 $\begin{array}{ll} \textbf{Pressure Range} & 5.0 - 7 \ \text{bar}/70 - 99 \ \text{psi} \\ \textbf{Pressure Consumption} & 14 \ \text{L/s} - 29 \ \text{cu} \ \text{ft/mi} \end{array}$ 

Max Tension1250 lbs.Tension Speed9 m /min

Sealing/Joint Strength Friction / 80% of Break Recommended Strap Size/ 5/8", 3/4" polyester .040" - .055"



## 1250lbs Tension

## **PHT1401**

#### PNEUMATIC STRAPPING TOOL



## **TOOL SPECS**

**L** x W x H  $9.8" \times 5.5" \times 6.5"$  **Weight** 11.2 lbs.

**Air Pressure** 6 - 7 bar/87 - 99 psi

Max Tension1280 lbs.Tension Speed4 m /min

Sealing/Joint Strength Friction / 80% of Break
Recommended Strap 1" - 11/4" polyester only
Size/Thickness .040" - .050"

## 1280lbs Tension

## **PWT**

#### PNEUMATIC FRICTION WELD TOOL

- When tensioning is not required.
- Ideal for baling applications
- Comes with integral suspension eyelet

#### **TOOL SPECS**

**L x W x H** 9.8" x 5.1" x 4.7" **Weight** 5.7 lbs.

Pressure Range4.5 - 7 bar/64 - 99 psiSealing/Joint StrengthFriction / 80% of BreakRecommended Strap7/16", 1/2", 5/8", 3/4"

**Size/Thickness** polypropylene or polyester/.016" - .055"



### TENSIONERS FOR PLASTIC STRAPPING

#### **TPSD**

**ECONOMY WINDLASS PLASTIC STRAPPING TENSIONER** 

#### **TOOL SPECS**

10.5" Length Weight 4 lbs.

Economy windlass tensioner Style

.....

**Strap Size** 3/8", 1/2", 5/8", 3/4"

**Strap Type** Polypropylene & Polyester



#### **TPHD**

HEAVY DUTY WINDLASS PLASTIC STRAPPING TENSIONER

#### **TOOL SPECS**

Length 11" Weight 5 lbs.

Style Windlass tensioner, HD **Strap Size** 3/8", 1/2", 5/8", 3/4" x .025 - .040

**Strap Type** Polypropylene & Polyester

•••••••••••



#### **TPXHD**

EXTRA HEAVY DUTY WINDLASS PLASTIC STRAPPING TENSIONER

#### **TOOL SPECS**

Length 11" Weight 5 lbs.

Style Extra heavy duty windlass

tensioner- parts available

Strap Size Up to 3/4" wide and .040 Strap Type Polypropylene & Polyester



#### THHP + STCUT

**ECONOMY HAND PULL PLASTIC STRAPPING TENSIONER & CUTTER** AND POLYPROPYLENE STRAP CUTTER

#### **TOOL SPECS**

Length Weight 1 lbs.

Style Economy hand pull tensioner

Strap Size 3/8", 1/2" **Strap Type** Polypropylene





LENGTH 6" Cuts all sizes of Polypropylene Strapping

## POLYPROPYLENE STRAPPING SEALERS





POLYPROPYLENE SEALER

OPEN METAL SMOOTH SEAL

LENGTH 19 1/2"



ITEM NUMBER	STRAP SIZE	SEALS USED	STYLE	WT.
S12HDPP	1/2"	OMS12, CMS12	Polypropylene sealer	4
S58HDPP	5/8", 025040	OMS58, CMS58	Polypropylene sealer	5
S34HDPP	3/4"	OMS34	Polypropylene sealer	5

LENGTH 19 1/2"



ITEM NUMBER	STRAP SIZE	SEALS USED	STYLE	WT.
S12SDPP 1/2"		OMS12, CMS12	Economy polypropylene sealer – non repairable	4
S58SDPP	5/8"	OMS58, CMS58	Economy polypropylene sealer – non repairable	4
S34SDPP	3/4"	OMS34	Economy polypropylene sealer – non repairable	4

## **POLYESTER STRAPPING SEALERS**

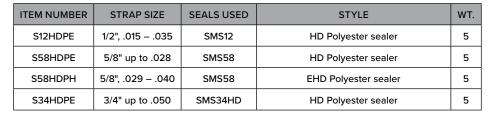




POLYESTER SEALER

OPEN METAL TEXTURED SEAL







ITEM NUMBER	STRAP SIZE	SEALS USED	STYLE	WT.
S12SDPE	1/2"	SMS12	Economy PET –non-repairable	5
S58SDPE	5/8" up to .028	SMS58	Economy PET –non-repairable	
S58SDPH	5/8" over .028	SMS58	Economy PET heavy duty – non-repairable	5



ITEM	NUMBER	STRAP SIZE	SEALS USED	STYLE	WT.
SS3	34HDPE	3/4" up to .050	SMS34HD	Side Seal Heavy Duty Polyester sealer	7

## PLASTIC TOOLS, ACCESSORIES + KITSTEEL TOOLS, ACCESSORIES + KITS

## **SP4000**

#### PUSH TYPE PNEUMATIC COMBINATION TENSIONER & SEALER



SP4000 Series Steel strapping tool for 1/2", 5/8" or 3/4"(13, 16 or 19mm) steel. Tensions and seals on steel strap up to .031" thick. Pulls tension up to 1,700 lbs. Tool weighs approximately 8.5 lbs. Utilizes push type seals and produces a single notch joint.

#### **TOOL SPECS**

**L x W x H** 13.8" X 5.5" X 6.7"

Weight 10.8 lbs.

 Pressure Range
 5.5 - 7 bar/78 - 99 psi

 Pressure Consumption
 12L/s - 25 cu ft/mi

 Max. Tension
 670-1700 lbs.

 Tension Speed
 12 m/min (2000N)

5 m/min (5500N) 6 m/min (7500N)

**Sealing** Seal Single Reverse Notch

**Thickness** RD: .016" - .031"

HT: .016" - .025"

Use seals: SS12P, SS58P, SS34P. See page 46 for seal/tool grid

## **SP4100**

## PUSH TYPE PNEUMATIC COMBINATION TENSIONER & SEALER

SP4100 Series Steel strapping tool for 3/4", 1" and 1-1/4" steel. Tensions and seals on steel strap up to .039 RD, .031HT thick. Pulls tension up to 3,300 lbs. Tool weighs approximately 23 lbs. Utilizes push type seals and produces a double notch joint.

#### **TOOL SPECS**

**L x W x H** 16.9" X 10.2" X 12.2"

Weight 22.6 lbs.

Pressure Range5.5 - 7 bar/78 - 99 psiPressure Consumption12L/s - 25 cu ft/miMax. Tension2300 - 3300 lbs.Tension Speed6.5 m/min

6 m/min

Sealing Seal Double Reverse Notch

**Thickness** RD: .025" - .039"

HT: .025" - .031"

Use seals: SS34PHD, SS34SPHD, SS114P OR SS114SP.

See page 46 for seal/tool grid



## SP6119, SP6125 + SP6132

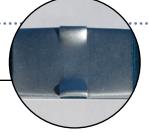
## **PNEUMATIC SEALERS**



#### **TOOL SPECS**

	SP6119	SP6125	SP6132
LxWxH	12.6" x 5.5" x 7"	12.6" x 5.5" x 7"	12.6" x 5.5" x 7"
Weight	6.5 lbs.	6.5 lbs.	6.5 lbs.
Type	Push	Push	Push
Pressure	14 L/s -	14 L/s -	14 L/s -
Consumption	29 cu ft/minute	29 cu ft/minute	29 cu ft/minute
Seal	Various	Various	Various
Strap Size	3/4"	1"	11⁄4"
Thickness	RD .024039	RD .024039	RD .024039
	HT .025031	HT .025031	HT .025031
Notch	Single Reverse	Single Reverse	Single Reverse

Single Notch Seal. See page 46 for seal/tool grid



## **Use with SP3100 Tensioner below**

## **SP3100**

#### PUSH-TYPE PNEUMATIC TENSIONER

#### **TOOL SPECS**

**L x W x H** 13.5" x 4.5" x 3.5"

Weight 9.5 lbs.

 $\begin{array}{ll} \textbf{Pressure Range} & 5.5 - 7 \ \text{bar}/70 - 99 \ \text{psi} \\ \textbf{Pressure Consumption} & 14 \text{L/s} - 29 \ \text{cu} \ \text{ft/mi} \\ \end{array}$ 

 Max. Tension
 3300 lbs.

 Tension Speed
 6 m/min

 Strap Size
 3/4" - 1" - 11/4"

 Thickness
 .024" - .043"

Use with SP6119, SP6125 & SP6132 sealers above



# PNEUMATIC TOOL ACCESSORIES COUNTERBALANCERS

#### **SPECIFICATIONS**

Item Number	189195	189300
Weight	7 lbs.	7 lbs.
Supports Tool Weight Up To	13 lbs.	24 lbs.
Cable Length	6.5'	6.5'



#### FILTER REGULATOR LUBRICATOR



#### **SPECIFICATIONS**

Item Number186895Weight8 lbs.

#### **BRASS CLEANING BRUSH**

ITEM NUMBER: 198837



## PROPER PNEUMATIC AIR LINE SETUP



There are TWO important functions, pressure and volume. Without the proper volume as well as pressure, the tool will not perform or function properly. The air line should be constructed according to this diagram and drained daily. See page 73 for installation instructions.

#### PLASTIC STRAPPING DISPENSERS

#### DSHD2

HEAVY-DUTY OSCILLATED STEEL DISPENSER





XL Tool Bin Stores Tools and Seals

#### **FEATURES**

- Big 10" wheels
- XL Top Bin stores seals and tools
- Reel brake
- Requires Assembly

#### **SPECIFICATIONS**

Color Black

Core Sizes Core ID (16" only) /Core width up to 6"

Weight 55

#### **SD62**

HEAVY-DUTY RIBBON WOUND STEEL DISPENSER

#### **FEATURES**

- Big 10" wheels
- XL Top Bin stores seals and tools
- Reel brake
- Comes fully assembled

#### **SPECIFICATIONS**

Color Black

Core Sizes Core ID (16" only) /

Core width up to 6"

Weight 55



#### **DSSD**

PLASTIC STRAPPING DISPENSER



Extra heavy duty reel brake prevents strap tangles resulting from the coil over spinning



XL top bin stores large tools



#### **SPECIFICATIONS**

Color Black

8" x 8" with

Core Sizes included adapter

16" x 6", 16" x 3"

Style Cart Dispenser

Wheels 10" Weight 55

#### **DS3050**

#### PLASTIC STRAPPING DISPENSER

#### **SPECIFICATIONS**

Color Black

Core Sizes 16" x 6", 16" x 3"

**Style** Heavy Duty Floor, Wall & Forklift Dispenser

Weight 55



#### **DSTB**

#### HD TOOL BALANCER DISPENSER FOR PLASTIC STRAPPING

ALL PLASTIC STRAPPING DISPENSERS ARE MADE IN THE USA



- Heavy Duty Steel Frame
- Fits 16x6 & 16x3 core
- 10" Semi-Pneumatic Wheels
- Locking Swivel Casters
- XL storage tray
- Tool Balancer arm to suspend bracket and power tool

Counterbalance , suspension bracket & power tools sold separately

#### **DSEL**

#### EASY LOAD DISPENSER FOR PLASTIC STRAPPING

- Slide coil of strap in from the side
- Adjustable side plates
- No brake assembly
- Easy dispensing
- Two storage bins
- Handle is height adjustable



#### **PLASTIC TOOLS, ACCESSORIES + KITS**

#### **DSCD**



With Adapter for oscillated cord strap

For all 3"x5" Core Woven/Bonded and 8" x 8" Core adapter included. Composite Cord

Made in the USA

#### **DSCDRW**



For all Ribbon Wound Cord

OTHER KITS
CAN BE MADE
AVAILABLE, ASK
YOUR SALES
REP FOR INFO

#### MARINE CORD STRAPPING KITS



- Safely secure stretch wrap for winterizing boats, jet skis, etc.
- · Convenient easy to handle coil size
- Portable no tools or expensive dispensers required

#### **SPECIFICATIONS**

ITEM NUMBER	WOVEN	STD. COLOR	NOMINAL WIDTH	FOOTAGE	BREAK	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
PC40WPT	w	W	1/2"	1500	700	120	1	960
PC60WPT	W	W	3/4"	1000	950	120	1	715

Each coil comes individually boxed. Available in both 1/2" and 3/4" width

#### TREE STAKING WOVEN CORD

3" x 5.5" CORE

# USED PRIMARILY IN THE LANDSCAPING AND NURSERY INDUSTRY

- Replaces traditional wire and hose
- Protects and preserves plants during transportation
- Secures tree limbs from splitting during growth season
- Secures large trees during transportation
- Used in hand tying applications such as baling



#### **SPECIFICATIONS**

ITEM NUMBER	WOVEN	STD. COLOR	NOMINAL WIDTH	FOOTAGE	BREAK	RECOMMENDED BUCKLE	COILS PER PALLET	COILS PER BOX	WEIGHT PER PALLET
PC60TG	W	G	<sup>3</sup> ⁄ <sub>4</sub> ", 19mm	2100	950	SB34SDP	48	2	1104
PC75TG	W	G	<sup>3</sup> ⁄ <sub>4</sub> ", 19mm	1650	2400	SB34X17P	48	2	1968

# **POLYPROPYLENE STRAP KITS**

POLYPROPYLENE STRAPPING

#### HMK1500-B15001



1,500 feet of 1/2" x 300# break strength black polypropylene strapping, one hundred 1/2" steel buckles, one tensioner in a self-dispensing carton. 4 kits sold as 1 unit.

#### **SPECIFICATIONS**

Product Style Embossed Color Black Weight 20

#### HGK3000-B3000

3,000 feet of 1/2" x 300# break strength black polypropylene strapping, three hundred steel buckles, one tensioner in a selfdispensing carton.

#### **SPECIFICATIONS**

Product StyleEmbossedColorBlackWeight12



All items are available on a made-to-order basis. Please contact your Greenbridge sales rep for minimum order quantities, pricing and lead times.

#### **BUCKLES FOR POLYPROPYLENE STRAPPING**

#### STEEL BUCKLES FOR POLYPROPYLENE STRAPPING





ITEM NUMBER	STRAP SIZE	STYLE	PACKED PER BOX	WEIGHT PER BOX	RECOMMENDED NOMINAL STRAP BREAK
SB12SD	3/8, 1/2"	Standard	1M/Box	13	250 - 300 lbs
SB12HDP	1/2"	Heavy Duty	1M/Box	18	300 - 1000 lbs
SB58XDP	5/8"	Extra Heavy Duty	1M/Box	32	300 - 1000 lbs
SB34SDP	3/4"	Heavy Duty	1M/Box	22	300 - 1000 lbs
SB34XDP	3/4"	Extra Heavy Duty	1M/Box	42	1000 - 1700 lbs

#### PLASTIC BUCKLES FOR POLYPROPYLENE STRAPPING





ITEM NUMBER	STRAP SIZE	STYLE	PACK	WEIGHT
PB12	1/2"	_	2M/Box	8
PB58	5/8"	_	2M/Box	12

#### **OPEN METAL SEALS - GALVANIZED FOR POLYPROPYLENE STRAPPING**





ITEM NUMBER	STRAP SIZE	STYLE	PACK	WEIGHT	LENGTH	GAUGE	SEALER USED
OMS38	3/8"	Open	1M/Box	8	1-1/4"	.021	S12HDPP
OMS12	1/2"	Open	1M/Box	12	1-1/4"	.025	S12HDPP
OMS58	5/8"	Open	1M/Box	12	1-1/4"	.025	S58HDPP
OMS34	3/4"	Open	1M/Box	16	1-1/4"	.025	S34HDPP

#### **CLOSED METAL SEALS - GALVANIZED FOR POLYPROPYLENE STRAPPING**





ITEM NUMBER	STRAP SIZE	STYLE	PACK	WEIGHT	LENGTH	GAUGE	SEALER USED
CMS12	1/2"	Closed	1M/Box	10	1-1/4"	.025	S12HDPP
CMS58	5/8"	Closed	1M/Box	16	1-1/4"	.025	S58SDPP

#### **CLOSURES FOR POLYESTER STRAPPING TEXTURED SEALS, GALVANIZED**





ITEM NUMBER	STRAP SIZE	STYLE	PACK	WEIGHT	LENGTH	GAUGE	SEALER USED
SMS12	1/2"	Open, Textured	1M/Box	13	1.187"	.030	S12SDPE, S12HDPE
SMS58	5/8"	Open, Textured	1M/Box	20	1.187"	.038	S58SDPE, S58SDPH S58HDPE, S58HDPH
SMS34HD	3/4"	Open, Textured	1M/Box	39	1.375"	.077	S34HDPE, SS34HDPE

#### **CLOSURES FOR SIGNODE®\* SEALER SERRATED SEALS - NOT SANDPAPER**



ITEM NUMBER	STRAP SIZE	STYLE	PACK	WEIGHT	LENGTH	GAUGE	SEALER USED
OSS12	1/2"	Open	1M/Box	20	1-1/4"	.051	D504, D506

<sup>\*</sup>Signode\* is a registered Trademark of signode industrial group

#### **BUCKLES FOR CORD STRAPPING**

#### PHOSPHATE FINISHED BUCKLES FOR BONDED AND WOVEN CORD STRAP



ITEM NUMBER	STRAP SIZE	WIRE GAUGE	STYLE	RECOMMENDED W/NOMINAL STRAP BREAK	PACKED PER BOX	WEIGHT PER BOX
SB12HDP	1/2"	0.120	Standard	300# - 1000#	1,000	18.5
SB12HDP200B	1/2"	0.120	Standard	300# - 1000#	200	3.7
SB34SDP	3/4"	0.120	Standard	300# - 1000#	1,000	22
SB34SDP150B	3/4"	0.120	Standard	300# - 1000#	150	3.3
SB34XDP	3/4"	0.159	Heavy Duty	1000# - 1700#	1,000	41
SB34X17P	3/4"	0.170	Extra Heavy Duty	1700# - 3000#	1,000	48
SB1HDP	1"	0.196	Heavy Duty	1800# - 2700#	500	36
SB1XDP	1"	0.234	Extra Heavy Duty	2700# - 3200#	250	30
SB114XDP	1 1/4" & 1 1/2"	0.272	Extra Heavy Duty	3300# - 5400#	250	47

#### **GALVANIZED FINISHED BUCKLES FOR COMPOSITE CORD STRAP**



ITEM NUMBER	STRAP SIZE	WIRE GAUGE	STYLE	RECOMMENDED W/NOMINAL STRAP BREAK	PACKED PER BOX	WEIGHT PER BOX
SB12HDG	1/2"	0.120	Standard	300# - 1000#	1,000	18.5
SB58XDG	5/8"	0.120	Standard	300# - 1000#	1,000	18.5
SB58X15G	5/8"	0.147	Heavy Duty	1000# - 1500#	1,000	29
SB34XDG	3/4"	0.159	Heavy Duty	1000# - 1700#	1,000	41
SB34X17G	3/4"	0.170	Extra Heavy Duty	1700# - 3000#	1,000	48
SB1HDG	1"	0.196	Heavy Duty	1800# - 3200#	500	36
SB1XDG	1"	0.234	Extra Heavy Duty	2700# - 3200#	250	30
SB114XDG	1 1/4" & 1 1/2"	0.272	Extra Heavy Duty	3300# - 5400#	250	47

#### **LADDER BUCKLES FOR HEAVY DUTY CORD & LASHING STRAP**





ITEM NUMBER	STRAP SIZE	WIRE GAUGE	STYLE	RECOMMENDED W/NOMINAL STRAP BREAK	PACKED PER BOX	WEIGHT PER BOX
SB105LAD	1 1⁄4"	4mm	Extra Heavy Duty	Up to 7700#	125	24
SB150LAD	1 1/2" & 1 5/8"	10mm	Extra Heavy Duty	Up to 18700#	50	31

#### **SB8400**

#### **BATTERY-OPERATED STEEL TENSIONER**

#### **TOOL SPECS**

Battery14.8V, 3.0Ah, Li-lonTension ModeManual/AutomaticMin. - Max880lbs. - 2200lbs.

 Tool Length
 15.75"

 Tool Width
 4.72"

 Tool Height
 4.72"

 Tool Weight
 14.2 lbs.

 Strap Width
 3/4"/ 1"/ 1.25"

 Recommended Strap
 .023 - .043

 Thickness
 .024 - .035

**Seal Strength** 75% plus of the break strength of

the parent strap based on quality

#### **ACCESSORIES**

The B8400 comes with two batteries and a charger.

SB8400 Battery		
Code	B301BAT	
Power Supply	Lithium Ion	
Output	14.8V, 3.0Ah	

SB8400 Charger			
Item Number 301CHG			
Туре	60Hz 35W		
Output	110V 3A 35W		



#### **SB8500**

#### BATTERY-OPERATED DOUBLE NOTCH STEEL SEALER



#### **TOOL SPECS**

Battery 14.8V, 3.0Ah, Li-lon
Seal Double Notch

Tool Length13.7"Tool Width3.9"Tool Height3.2"Tool Weight9.9 lbs.Strap Width3/4"/ 1"/ 1.25"Recommended Strap<br/>Thickness.023 - .043<br/>.024 - .035

**Seal Strength** 75% plus of the break strength of the parent strap based on quality

#### **ACCESSORIES**

The B1000 comes with two batteries and a charger.

SB8500 Battery		
Code	В300ВАТ	
Power Supply	Lithium Ion	
Output	14.8V, 3.0Ah	

SB8500 Charger		
Item Number	300CHG	
Туре	60Hz 35W	
Output	110V 3A 35W	

#### **STEEL MANUAL TOOLS**

#### **SM3000**

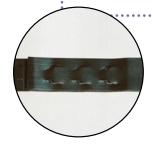
SEALLESS STEEL MANUAL COMBINATION TOOL



#### **EQUIPMENT SPECS**

Length 13.8" Weight 9.7 lbs.

Style Sealless die cut joint Strap Size 1/2", 5/8", and 3/4"



SEALLESS DIE CUT JOINT

#### **MANUAL STEEL TENSIONERS**

#### **TSRD**

**TENSIONER** 

#### **EQUIPMENT SPECS**

Length 12" Weight 4 lbs.

**Style** Feedwheel - Flat Package

•••••••••••

**Strap Size** 3/8" X .018 - 3/4" X .023 Regular Duty



#### **TSMD**

**TENSIONER** 

#### **EQUIPMENT SPECS**

Length 15" Weight 6 lbs.

**Style** Feedwheel - Flat Package

**Strap Size** 3/8" X .018 - 3/4" X .025 Regular Duty



#### **MANUAL STEEL TENSIONERS**

#### **TSHD**

#### **TENSIONER**

#### **EQUIPMENT SPECS**

Length 17" Weight 4 lbs.

Style Heavy Duty Feedwheel –

Flat Package

**Strap Size** 3/4" X .025 - 1-1/4" X .035

Regular Duty – High Tensile



#### **TPSRD**

#### **TENSIONER**

#### **EQUIPMENT SPECS**

Length 9", 12" Weight 5 lbs.

**Style** Push Type – Feedwheel –

Round or Irregular Package

**Strap Size** 3/8" X .015 - 3/4" X .025 RD & HT

••••••••••



#### **TPSHD**

#### **TENSIONER**

#### **EQUIPMENT SPECS**

Length 12"Weight 5 lbs.

**Style** Push Type – Feedwheel –

Round or Irregular Package

**Strap Size** 5/8" X .023HT - 1-1/4" X .035 RD & HT



#### **TSWHD**

#### **TENSIONER**

#### **EQUIPMENT SPECS**

Length 24" Weight 11 lbs.

Style Windlass Type- Flat Package
Strap Size 3/4" x .025HT - 1-1/4" x .035HT



#### **STEEL TOOLS + ACCESSORIES**







ITEM NUMBER	LENGTH	STRAP SIZE	STYLE	SEAL	RECMMND. SEAL	WT
SSU38	161/2"	3/8" X .015 - 3/8" X .023	Regular Duty	Single Up	SS38P	3
SSU12	16½"	1/2" X .015 - 1/2" X .025	Regular Duty – High Tensile	Single Up	SS12P	3
SSU58	16½"	5/8" X .015 - 5/8" X .025	Regular Duty – High Tensile	Single Up	SS58P	3
SSU34	16½"	3/4" X .015 - 3/4" X .025	Regular Duty – High Tensile	Single Up	SS34P	3



ITEM NUMBER	LENGTH	STRAP SIZE	STYLE	SEAL	RECMMND. SEAL	WT
SSD34	29"	Side Action 3/4" X .025 – .035	Regular Duty – High Tensile	Single Down	SS34VSPD / SS34SPHD	9
SSD114	29"	Side Action 1-1/4" X .025 – .035	Regular Duty – High Tensile	Single Down	SS114SP / SS114P	9
SDU34	29"	Side Action 3/4" X .025 – .035	Regular Duty – High Tensile	Double Up	SS34SPHD / SS34PHD	9
SDU114	29"	Side Action 1-1/4" X .025 – .035	Regular Duty – High Tensile	Double Up	SS114SP / SS114P / SS114T	9

(Handle and tool colors may vary from picture depending on model purchased.)

#### STEEL STRAPPING CUTTERS



#### **EQUIPMENT SPECS**

Weight 2 lbs.

**Strap Size** 3/8" - 3/4" -

Regular Duty – High Tensile



#### **EQUIPMENT SPECS**

Weight 3 lbs.

**Strap Size**  $3/8" - 11/4" \times .031 -$ 

Regular Duty – High Tensile



#### **EQUIPMENT SPECS**

Weight 6 lbs.

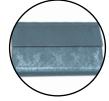
**Strap Size** up to  $2" \times .035$  -

Regular Duty – High Tensile

#### **STEEL TOOLS + ACCESSORIES**

#### **STEEL SEALS**













Snap On

**Push Type** 

Single Reverse Notch

Single Down Notch

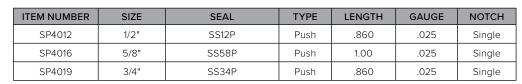
Double Reverse Notch

Double Down Notch

ITEM NUMBER	STRAP SIZE	SEAL TYPE	JOINT TYPE	SEAL LENGTH	GAUGE	TENSIONER	SEALER	STD PACK	WEIGHT
SS38S	3/8"	Snap-on	DN	1.00	.020	TSRD	SDD38	5M/case	25
SS12S	1/2"	Snap-on	DN	1.00	.020	TSRD or TSMD	SDD12	5M/case	30
SS58S	5/8"	Snap-on	DN	1.25	.020	TSRD or TSMD	SDD58	5M/case	44
SS34S	3/4"	Snap-on	DN	1.25	.020	TSRD or TSMD	SDD34	5M/case	53
SS34HDS	3/4"	Snap-on HD	DN	2.187	.031	TSHD	SSD34	2M/case	45
SS114HDS	1-1/4"	Snap-on HD	DC/DN	2.187	.031	TSHD	SDU114	1M/case	45
SS38P	3/8"	PUSH	SN	1.00	.025	TPSRD	SSU38	5M/case	40
SS12P	1/2"	PUSH	SN	.860	.025	TPSRD	SSU12	5M/case	50
SS58P	5/8"	PUSH	SN	.860	.025	TPSRD	SSU58	5M/case	50
SS34P	3/4"	PUSH	SN	.860	.025	TPSRD	SSU34	5M/case	60
SS34VSPH	3/4"	PUSH HD	SN	1.375	.035	TPSHD	SSD34	2.5M/case	67
SS34SPHD	3/4"	PUSH HD	DN	1.781	.035	TPSHD	SDU34	2M/case	70
SS34PHD	3/4"	PUSH HD	DN	2.187	.035	TPSHD	SDU34	1M/case	45
SS114SP	1-1/4"	PUSH HD	SN	1.50	.035	TPSHD	SSD114	1M/case	45
SS114P	1-1/4"	PUSH HD	DN	2.187	.035	TPSHD	SDU114	1M/case	70
SS114T	1-1/4"	THREAD-ON	DN	2.187	.031	TSWHD	SDU114	1M/case	32

# **SEAL/TOOL GRID**







ITEM NUMBER	SIZE	SEAL	TYPE	LENGTH	GAUGE	NOTCH
SP4119	3/4"	SS34SPHD, SS34PHD	Push	1.375	.035	Double
SP4125	1"	CALL FOR AVAILABILITY				
SP4132	1-1/4"	SS114P, SS114SP	Push	2.187	.035	Double



ITEM NUMBER	SIZE	SEAL	TYPE	LENGTH	GAUGE	NOTCH
SP6119	3/4"	Various	Push	1.375+	.025035	Single
SP6125	1"	CALL FOR AVAILABILITY				
SP6132	1-1/4"	Various	Push	1.50+	.025035	Single



ITEM NUMB	ER SIZE	SEAL	TYPE	LENGTH	GAUGE
SP3100	3/4" - 1-1/4"	3/4" – 1-1/4" Closed Push Type	Push	Various	Various

#### **MULTI PLY PAPER BOARD**

GLUED, TREATED AND FORMED TO A 90° ANGLE

- Available in 2 grades and a multitude leg lengths and thicknesses
- Made from 100% recycled paper board and is 100% recyclable
- Protects edges and corners and adds stacking strength
- · For unitizing and stablizing pallet loads
- Provides internal and external strength and is reusable
- Maximizes packing cube on trucks and in warehouses
- · Custom sizes cut to length, printing available



ECONOBOARD® Unwrapped



EDGEARMOR® Wrapped



CORNER PROTECTORS
Shorter pieces of Econoboard
and EdgeArmor



Made from 100% Recycled Paperboard 100% Recyclable



#### **APPLICATIONS**

- Palletizing/Unitizing
- · Agriculture/Food
- Graphic Arts/Paper
- Appliance
- Pharmaceutical

- Lumber/Forest Products
- Office Furniture
- Display Packaging
- Consumer Goods
- Window & Door Mfg.

- Brick, Block, & Tile
- Lighting Industry
- Window Treatments
- Compressors/Furnaces/AC
- Converted Steel/Metals







PRODUCT CODE DESCRIPTION		_	<ul><li>Thickness</li></ul>
— Blank CEB300300k	c or Printe C/W2250		•
Board Type Leg Length A Leg Length B	Kraft	or White	Board Length

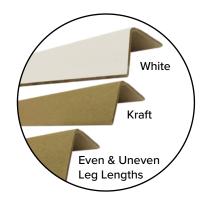
Code	ID
EB	EconoBoard
EA	EdgeArmor
CE	Corner Protector - EconoBoard
CA	Corner Protector - EdgeArmor

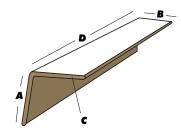
Corner Protector - EconoBoard pieces - Non-Printed - 3" x 3" x .225" thickness x 3" Board Length . Choose Kraft or White

# **ECONOBOARD - UNWRAPPED**

#### **FEATURES:**

- Economical-provides additional packaging strength
- Secures and stabilizes loads
- Prevents strap from cutting into product and packaging
- Prevents corner and edge damage saves money
- Made from 100% recycled paper board and is 100% recyclable
- Custom lengths and printing
- White color outer layer, also available in kraft





SPECIFICATIONS	
LEG LENGTH (A&B)	Even and uneven leg lengths totaling 3,4,5 and 6 inches
CALIPER (C)	.120250 (3.05mm – 6.4mm)
LENGTH (D)	2.0 inches – 192 inches (50.8mm – 4,877mm)

<sup>\*</sup> together the Econoboard leg lengths cannot exceed 6 inches (152.4mm)

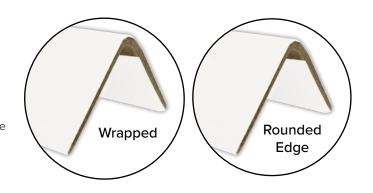
PRODUCT			APPROX. WEIGHT							
CODE	THICKNESS	LENGTH (13"-24")	LENGTH (>24"-72")	* LENGTH ( >72"-132")	* LENGTH (>132")	PER LINEAR FOOT				
4" TOTAL LEG - (2" X 2" CODE BELOW)										
EBB200200K/W	0.120	6000	3000	1800	1200	0.168				
EBB200200K/W	0.140	5100	2550	1530	1020	0.195				
EBB200200K/W	0.150	4800	2400	1440	960	0.211				
EBB200200K/W	0.160	4500	2250	1350	900	0.222				
EBB200200K/W	0.180	3900	1950	1170	780	0.249				
EBB200200K/W	0.200	3600	1800	1080	720	0.276				
EBB200200K/W	0.225	3300	1650	990	660	0.309				
EBB200200K/W	0.250	3000	1500	900	600	0.341				
5" TOTAL LEG - (2½" X 2½" CO	DE BELOW)									
EBB250250K/W	0.120	4800	2400	1200	1000	0.206				
EBB250250K/W	0.140	4080	2040	1020	850	0.249				
EBB250250K/W	0.150	3840	1920	960	800	0.260				
EBB250250K/W	0.160	3600	1800	900	750	0.271				
EBB250250K/W	0.180	3120	1560	780	650	0.309				
EBB250250K/W	0.200	2880	1440	720	600	0.347				
EBB250250K/W	0.225	2640	1320	660	550	0.379				
EBB250250K/W	0.250	2400	1200	600	500	0.423				
6" TOTAL LEG - (3" X 3" CODE	BELOW)									
EBB300300K/W	0.120	4000	2000	1200	800	0.249				
EBB300300K/W	0.140	3400	1700	1020	680	0.288				
EBB300300K/W	0.150	3200	1600	960	640	0.309				
EBB300300K/W	0.160	3000	1500	900	600	0.325				
EBB300300K/W	0.180	2600	1300	780	520	0.367				
EBB300300K/W	0.200	2400	1200	720	480	0.412				
EBB300300K/W	0.225	2200	1100	660	440	0.455				
EBB300300K/W	0.250	2000	1000	600	400	0.509				

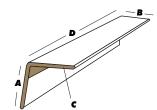
<sup>\*</sup>Boards that are longer than 72" are palletized with fewer rows due to weight considerations.

#### **EDGEARMOR - WRAPPED**

#### **FEATURES:**

- Wrapped with a sharp white liner to enhance packaging
- Safer to handle, rounded edges help prevent paper cuts
- Liner wrap covers edges and protects against delamination
- Increases strength and prevents shipping and handling damage
- Dress up your product "stand out" from the rest
- Made from 100% recycled paper board and is 100% recyclable
- Custom lengths and printing also available in kraft color wrap





SPECIFICATIONS	
LEG LENGTH (A&B)	Even leg lengths 2x2, 2.5 x 2.5, and 3x3
CALIPER (C)	.120250 inches (3.05mm – 6.4mm)
LENGTH (D)	2.0 inches – 192 inches (50.8mm – 4,877mm)

<sup>\*</sup>together the EdgeArmor leg lengths cannot exceed 6 inches (152.4mm)

PRODUCT			APPROX. WEIGHT			
CODE	THICKNESS	LENGTH (13"-24")	LENGTH (>24"-72")	* LENGTH ( >72"-132")	* LENGTH (>132")	PER LINEAR FOOT
4" TOTAL LEG - (2" X 2" COD	E BELOW)					
EAB200200K/W	0.120	6000	3000	1800	1200	0.168
EAB200200K/W	0.140	5100	2550	1530	1020	0.195
EAB200200K/W	0.150	4800	2400	1440	960	0.211
EAB200200K/W	0.160	4500	2250	1350	900	0.222
EAB200200K/W	0.180	3900	1950	1170	780	0.249
EAB200200K/W	0.200	3600	1800	1080	720	0.276
EAB200200K/W	0.225	3300	1650	990	660	0.309
EAB200200K/W	0.250	3000	1500	900	600	0.341
5" TOTAL LEG - (2½" X 2½" C	CODE BELOW)					
EAB250250K/W	0.120	4800	2400	1200	1000	0.206
EAB250250K/W	0.140	4080	2040	1020	850	0.249
EAB250250K/W	0.150	3840	1920	960	800	0.260
EAB250250K/W	0.160	3600	1800	900	750	0.271
EAB250250K/W	0.180	3120	1560	780	650	0.309
EAB250250K/W	0.200	2880	1440	720	600	0.347
EAB250250K/W	0.225	2640	1320	660	550	0.379
EAB250250K/W	0.250	2400	1200	600	500	0.423
6" TOTAL LEG - (3" X 3" COD	E BELOW)					
EAB300300K/W	0.120	4000	2000	1200	800	0.249
EAB300300K/W	0.140	3400	1700	1020	680	0.288
EAB300300K/W	0.150	3200	1600	960	640	0.309
EAB300300K/W	0.160	3000	1500	900	600	0.325
EAB300300K/W	0.180	2600	1300	780	520	0.367
EAB300300K/W	0.200	2400	1200	720	480	0.412
EAB300300K/W	0.225	2200	1100	660	440	0.455
EAB300300K/W	0.250	2000	1000	600	400	0.509

#### PAPERBOARD CORNER PROTECTORS

#### SHORTER CUT LENGTHS OF ECONOBOARD® AND EDGEARMOR®

#### **FEATURES:**

- Protects package edges from securement strapping
- Corner protectors evenly distribute strap tension over a wider surface area.
- · Allows for "tighter" packaging
- Made from 100% recycled paper board and is 100% recyclable
- Sizes from 2" to 12" (50.8mm to 304.8mm)
- Specify EconoBoard® or EdgeArmor® Corner Protectors

Corner Protectors: 36 boxes per skid (# of pieces per box as listed below)





PRODUCT		F	PIECES PER BOX						
CODE	THICKNESS	2" LENGTH	2.5" LENGTH	3" LENGTH	3.5" LENGTH	4" LENGTH	5" LENGTH	6" LENGTH	7"-12" LENGTH
2" X 2" CODE BELOW									
CEB200200K/W	0.120	1,560	1,040	1,040	780	780	520	520	260
CEB200200K/W	0.150	1,200	800	800	600	600	400	400	200
CEB200200K/W	0.160	1,200	800	800	600	600	400	400	200
CEB200200K/W	0.180	960	640	640	480	480	320	320	160
CEB200200K/W	0.200	960	640	640	480	480	320	320	160
CEB200200K/W	0.225	840	560	560	420	420	280	280	140
CEB200200K/W	0.250	720	480	480	360	360	240	240	120
2½" X 2½" & 3" X 3" C	ODE BELOW								
CEB250250K/W	0.120	1,080	720	720	540	540	360	360	180
CEB300300K/W	0.120	1,080	720	720	540	540	360	360	180
CEB250250K/W	0.150	900	600	600	450	450	300	300	150
CEB300300K/W	0.150	900	600	600	450	450	300	300	150
CEB250250K/W	0.160	900	600	600	450	450	300	300	150
CEB300300K/W	0.160	900	600	600	450	450	300	300	150
CEB250250K/W	0.180	720	480	480	360	360	240	240	120
CEB300300K/W	0.180	720	480	480	360	360	240	240	120
CEB250250K/W	0.200	720	480	480	360	360	240	240	120
CEB300300K/W	0.200	720	480	480	360	360	240	240	120
CEB250250K/W	0.225	630	420	420	315	315	210	210	105
CEB300300K/W	0.225	630	420	420	315	315	210	210	105
CEB250250K/W	0.250	540	360	360	270	270	180	180	90

Skid weight approximately (1300 lbs.) - ALL SIZES

#### PRINTED CORNER BOARD



#### **FEATURES:**

- Identify/Advertise
- Inventory Control
- Safety/Hazard Warning
- Prevent Damage
- Both EconoBoard® and EdgeArmor®

#### **OPTIONS:**

- One color printing is available
- Custom print your design or logo

#### **CBCUT**

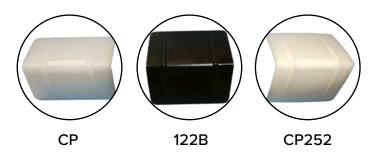
#### **CORNER BOARD CUTTER**



#### **FEATURES:**

- Portable
- Cuts corner board max. 100 x 100 x 10mm
- Safety pin locks handle in place
- Holder for warehouse supplies such as rulers, knives, marker, pens and pencils

#### **PLASTIC CORNER PROTECTORS**



#### **SPECIFICATIONS**

ITEM NUMBER	COLOR	W SIZE	WIDTH	LEG	PACK	MAX. STRAP WIDTH	WT.
СР	Clear	AII	1-7/8"	1"	1M/Box	3/4"	8
122B	Black	All	2-1/2"	1-3/4"	1M/Box	1-1/4"	27
CP252	Clear	AII	2-1/2"	2"	1M/Box	1"	29

Greenbridge corner protectors prevent damage to tightly strapped shipments. Ribbed channels keep strapping in line.

#### **PWEASEL AND PUNIT**

#### PALLET THREADER

The Pallet Threader will work with any standard 3/4" broom handle or buy the complete unit. Just take your metal or plastic strapping and thread it upward through one slot and down through the other. The tool will accommodate strap up to 1½ inch in width.





**PWEASEL** 

**PUNIT** 



Complete Unit 2 Piece Rod, 5½ ft. Long

#### **PC101**

#### **AUTOMATIC ARCH MACHINE**

Looking for a better way to secure small boxes or orders for your shop or ecommerce application? You won't find better semi-automatic tabletop strappers than Greenbridge's PC101 and PC102. Shipped fully assembled and ready to use, these mighty mites are designed to quickly and efficiently secure each package with a minimum of effort. Virtually anyone can learn to operate these machines and we're ready to show you how.



# **SUPER FAST!**Up to 65 Straps Per Minute

#### **FEATURES**

- Cycle speed up to 65 straps per minute (based on arch size)
- German DC brushless motor technology
- 30% fewer parts no belts, clutches or pulleys
- Waist-high quick change coil + strap feed
- Easy access operating control panel
- One-piece strap chute
- Easy access strap chute, no tools required

- Front foot bar pedal plus movable foot switch
- Sensor-controlled heater
- End of strap coil ejector/loop ejector
- Electronic brake/Auto loader
- Adjustable table height from 32" to 36"
- Easy to move + secure in place with lockable casters
- Choice of arch sizes

#### **EQUIPMENT SPECS**

**Cycle Rate:** Up to 65 straps per

minute

Package Weight: Up to 100 lbs. per

square foot

**Strap Tension:** Fully adjustable,

up to 100 lbs.

Polypropylene 1

1/4", 3/8",5/8", 1/2"

Strap:

5mm, 6mm, 9mm, 12mm

**Electrical** 

110V 60Hz 1 Phase

Requirements:

Shipping Weight: From 450-800 lbs.

Core Size:

Must use 8 x 8

Optional:

Photo-eye activation

#### **PC102**

#### VERSATILE SEMI-AUTOMATIC TABLETOP STRAPPER

#### **EQUIPMENT SPECS**

**Cycle Rate** 2.5 seconds/strap (60Hz)

**Tension** 30-90 lbs.

Sealing Method Heating element

**Polypropylene Strap Sizes** 1/4", 3/8", 1/2", 5/8", 6mm,

9mm, 12mm, 15.5mm

**Core Sizes** 8" x 8", 9" x 8", 11" x 8" \*

**Reel Outside Diameter** 19"

**Electrical Requirements** AC 110, 60Hz, 1Ph

**Power Consumption** 0.57kw

Machine Weight 220 lbs. (closed cabinet),

185 lbs. (open cabinet)

**Layout Dimension** 29-1/2" H x 36-1/4" W x 23" D

\*Core insert required. Part #300-1132



#### **SAM-1000**

#### SEMI-AUTOMATIC TABLETOP BANDING MACHINE



#### **EQUIPMENT SPECS**

 Overall Width
 22.4" (570 mm)

 Overall Length
 29.9" (760 mm)

**Overall Height** 29.1"-30.7" (740 mm-780 mm)

Machine Weight 149.9 lbs. (68 kg.)

Sealing Method Heat Seal

**Sealing Head Location** 11.0" (280 mm) from the right of the

machine

Power Supply 120V Single Phase Cycle Time 2.0 Seconds\*

Cycle InitiationStrap Insertion with "ACASS" SystemTensionExternal Electronically AdjustableMin. Package Size4" (102 mm)H x 2.4" (61 mm)W

Max. Package Weight 180 lbs. (81.6 kg)

 Mobility
 4 Casters, two are locking

 Strapping Size
 1/4" (5 mm) - 5/8" (15.5 mm)

 Dispenser
 8" (203 mm) I.D./8" (203 mm)

face/18" (457 mm) O.D. 9" (229 mm) I.D./8" (203 mm face/18" (457 mm) O.D.

#### **PC1000**

#### **AUTOMATIC ARCH MACHINE**

Equipped with industry-leading features, the PC1000 is an innovative, high-speed automatic arch machine for high-volume applications. It comes standard with three different types of activation: push button, foot bar and remote foot switch.

The PC1000 offers optimal performance, high-cycle speed and is super easy to maintain.

# **SUPER FAST!**Up to 65 Straps Per Minute



#### **FEATURES**

- Cycle speed up to 65 straps per minute (based on arch size)
- German DC brushless motor technology
- 30% fewer parts no belts, clutches or pulleys
- Waist-high quick change coil + strap feed
- Easy access operating control panel
- One-piece strap chute
- Easy access strap chute, no tools required

PC	PC1000 Standard (12mm, 1/2")										
	WIDTH										
		25	33	41	49	65	72	80	88		
	15	NA		NA	NA	NΑ	NA	NA	NA		
_	19		NA		NA		NA		NA		
HEIGHT	23	NA				NΑ	NA	NA			
읦	31	NA				NA		NA	NA		
Ī	39	NA				NA	NA	NA	NA		
	47	NA	NΑ		NΑ	NΑ	NΑ	NA	NΑ		

- Front foot bar pedal plus movable foot switch
- Sensor-controlled heater
- End of strap coil ejector/loop ejector
- Electronic brake/Auto loader
- Adjustable table height from 32" to 36"
- Easy to move + secure in place with lockable casters
- Choice of arch sizes

PC1000 Compact (5mm – 3/8")											
	WIDTH										
		22	25	33	41	49	65	72			
	15		NA		NA	NA	NA	NA			
Ļ.		NA						NA			
HEIGHT	23	NA	NA		NA	NA	NA	NA			
單	31	NA	NA				NA				
_	39	NA	NA	NA			NA	NA			

#### **EQUIPMENT SPECS**

**Cycle Rate:** Up to 65 straps per

minute

Package Weight: Up to 100 lbs. per

square foot

**Strap Tension:** Fully adjustable,

up to 100 lbs.

**Polypropylene** 1/4", 3/8", 1/2"

**Strap:** 5mm, 6mm, 9mm, 12mm

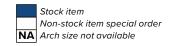
**Electrical** 110V 60Hz 1 Phase

Requirements:

**Shipping Weight:** From 450-800 lbs.

Core Size: Must use 8 x 8

**Optional:** Photo-eye activation



#### **PC1000SP**

#### SMALL PACKAGE

#### **EQUIPMENT SPECS**

**Cycle Rate** up to 65 straps per minute

Package Weightup to 100 lbs.Strap Tensionup to 100 lbs.

**Polypropylene Strap** 5mm, 6mm, 9mm, 3/8" **Electrical Requirements** 110V 60Hz 1 Phase

Shipping Weight 450 LBS

**Optional** Photo-Eye Activation

# Capable of strapping packages as small as 1.7" wide x 3/8" high







**PVC** Pipe

Wood Trim

Wood Handles

# Up to 65 Straps Per Minute!



#### **PC1000P**

#### AUTOMATIC STRAPPING MACHINE WITH DUAL PNEUMATIC PRESS



#### **EQUIPMENT SPECS**

**Cycle Rate**Compact: up to 47 straps per minute
Standard: up to 44 straps per minute

**Package Weight** up to 100 lbs.

**Strap Tension**Compact: up to 70 lbs.
Standard: up to 100 lbs.

**Polypropylene Strap** 5mm, 6mm, 9mm, 12mm, 1/4", 3/8", 1/2" **Electrical Requirements** 110V, 220V, 230V, 50/60Hz 1 Phase

**Shipping Weight** 500 LBS

Ideal for strap compressible material such as corrugated papers, paper sheets, plastic sheets, bags and more

#### **OPTIONAL FEATURES**

- Photo-Eye Switch
- Rear Foot Bar Switch
- Lower Adjustable Table
- Height (30"-32")
- Max. Tension up to 100 lbs (for 9 mm, 1/2")

#### PC1500 + PC1500SS

#### **AUTOMATIC ARCH MACHINE**

The PC1500 is an innovative high-speed automatic strapping machine loaded with all the industry standard features you need. The PC1500 delivers optimal performance for securing packages up to 100 pounds, including high-cycle speed and easy maintenance. The machine's strapping head is mounted in a side seal configuration that prevents debris from contaminating the seal head. This smart design keeps you running and helps avoid downtime. The PC15000 is a Greenbridge favorite and the most cost-effective strapping solution in its class today.





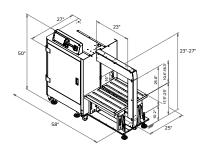
#### STANDARD FEATURES

- German DC brushless motor technology
- Waist-high, quick-change cord + strap feed
- Easy access operating control panel
- Easy access strap chute no tools required
- Multiple strap function
- One-piece strap chute
- Sensor-controlled heater
- Smart LCD display
- End of coil strap ejector/ loop ejector
- Electronic brake/auto loader
- Adjustable height roller top
- Lockable casters

PC	PC1500										
	WIDTH										
		23	31	39	51	59	66				
	25		NA	NA		NA	NA				
	33			NA		NA	NA				
	41						NA				
	49										
	65	NA	NA		NA	NA	NA				
	72		NA		NA	NA	NA				

Stock item
Non-stock item special order
Arch size not available
Arch sizes do not come with table tops

PC1500SS



#### **EQUIPMENT SPECS**

**Cycle Rate:** Up to 60 straps per

minute

Standard Arch  $33" \times 23"$ ,  $41" \times 31"$ , Sizes:  $65" \times 39"$  (Other arch

sizes available.)

MinimumFully adjustable,Package Size:up to 100 lbs.

Core Size: 8" x8"

Polypropylene

Package Weight: Up to 100 lbs.

**Strap:** 6mm, 9mm, 12mm

5mm, 6mm, 9mm, 12mm 110V, 220V, 50/60 Hz,

1/4", 3/8", 1/2", 5mm,

**Requirements:** 1Ph **Shipping Weight:** 800 lbs.

Optional: Press, side pusher
Minimum Gravity Working height 17"

Conveyor:

**Electrical** 

#### PC2000/PC2000P

#### **AUTOMATIC ARCH MACHINE**

Greenbridge's PC2000 and PC2000P are world class, high-speed, fully automatic strapping machines. Both provide high reliability and performance, earning these machines the best price and value reputation in the market today. PC2000P is great for graphic arts.

# SUPER FAST! Up to 65 Straps Per Minute



#### **FEATURES**

- Cycle speed up to 65 straps per minute (based on arch size)
- German DC brushless motor technology
- 30% fewer parts no belts, clutches or pulleys
- Waist-high quick change coil + strap feed
- Easy access operating control panel
- One-piece strap chute
- Easy access strap chute, no tools required

- Front foot bar pedal plus movable foot switch
- Sensor-controlled heater
- End of strap coil ejector/loop ejector
- Electronic brake/Auto loader
- Adjustable table height from 32" to 36"
- Easy to move + secure in place with lockable casters

■ Choice of arch sizes

Arch sizes available for strap from 1/4" - 1/2"

- 22"x15"
- 33"x23"
- 33"x39"

- 25"x19"
- 33"x31"
- 41"×31"

#### **SPECIFICATIONS**

Cycle Rate:

Up to 65 straps per

minute

Package Weight: Up to 100 lbs. per

square foot

**Strap Tension:** 

Fully adjustable,

up to 100 lbs.

Polypropylene

1/4", 3/8", 1/2"

Strap:

5mm, 6mm, 9mm, 12mm

**Electrical** 

110V 60Hz 1 Phase

Requirements:

Shipping Weight: From 450-800 lbs.

**Core Size:** 

Must use 8 x 8

Optional:

Photo-eye activation

#### **PC2000CX**

#### **AUTOMATIC SIDE-SEAL ARCH MACHINE** FOR PROTEIN + SEAFOOD INDUSTRIES



Greenbridge's PC2000CX is a world-class, high-speed fully automatic arch machine designed specifically for the protein markets. Manufactured with a stainless steel frame and rust-resistant and corrosion-retardant parts inside, the PC2000CX provides high reliability, ease of maintenance and performance in harsh environments, earning it the best price and value reputation in the market today.

## For Poultry, Meat + Fish



Easy to operate

Dual cylinder pneumatic press

Variable speed belt conveyor

#### **SPECIFICATIONS**

**Cycle Rate** 

Up to 65 straps per minute

Standard Arch Size  $25" \text{ W} \times 19" \text{ H}$ 

(Other arch

**Package Weight Strap Tension** Polypropylene Strap

Requirements

**Shipping Weight** 

**Air Requirements** 

**Electrical** 

sizes available) Up to 100 lbs. Up to 115 lbs. 3/8", 1/2", 5mm, 6mm, 9mm, 12mm 110V, 60Hz, 1 Phase 450 lbs.

90 PSI, 8 CFM

#### STANDARD FEATURES

- Robust, compact strapping head
- Free access to strap guides
- Electronic tension control/auto strap ejector
- Siemens PLC control with dual photo eyes
- Hinged top plates (7 gauge)/splash guard over seal head
- Dual cylinder pneumatic press for agility + finely tuned package compression
- Pneumatic air gun for easy maintenance + cleaning
- Extra wide HD locking casters to handle quick movements in + out of station

- Fixed strap cutter near strap coil for convenience
- Multiple strap function for single, double, continuous strapping or transit mode
- Belt-driven table with variable conveyor speed of 10 to 60 meters per minute
- Up + down stream interlock with complete plug connection
- Easy reversible package flow
- Loop ejector

#### N3400

#### **AUTOMATIC STRAPPING MACHINE**

#### **EQUIPMENT SPECS**

Overall Width: 32.5" (828mm)

Overall Length: 37.6" (956mm) with external dispenser

Overall Height: 47.6" (1210mm)

**Table Height:** 61.6 - 66.3" (1565 - 1685mm)

**Weight:** 386 lbs. (175kg)

Cycle Time:Up to 55 cycles per minuteCycle InitiationPhoto eye sensor or footbarStandard Arch Size:600mm(W) x 600mm(H)Strap Size:1/4" - 1/2" (5mm - 12mm)Package Size:Min. 1.5" H x 6" W

**Tension** Adjustable electronic control

Seal Head Location:BottomSealing Method:Heat SealMobility:3" Casters

**Power:** 110 Volt Single Phase



#### N3400A

#### HIGH PERFORMANCE FULLY AUTOMATIC STRAPPING MACHINE



#### **EQUIPMENT SPECS**

 Overall Width:
 23.9" (608mm)

 Overall Length:
 47.2" (1200mm)

 Overall Height:
 60.6 - 69.6" (1540 - 1770mm)

 Table Height:
 30.3 - 39.3" (770- 1000mm)

**Weight:** 639 lbs. (290 kg)

**Cycle Time:** Up to 35 cycles per minute

Cycle InitiationPhoto eye sensorStandard Arch Size:600mm(W) x 600mm(H)

**Strap Size:** 5mm - 12mm

Package Size: Max. Governed By Arch

Min. 1.5"H x 3" W

**Tension** Adjustable electronic control

Seal Head Location:BottomSealing Method:Heat SealMobility:3" Casters

Externally located-

8" or 9" I. D./8" Face/18" O.D.

**Power:** 120 Volt Single Phase

Dispenser:

#### N3400V

#### HIGH SPEED VERTICAL AUTOMATIC STRAPPING MACHINE

#### **EQUIPMENT SPECS**

 Overall Width:
 17.1" (435mm)

 Overall Length:
 59.0" (1497mm)

 Overall Height:
 65.8 - 69.7" (1673 - 1773mm)

 Table Height:
 13.6" - 17.5" (344 - 444mm)

**Weight:** 441 lbs. (200kg)

**Cycle Time:** Up to 45 cycles per minute

**Cycle Initiation** Push button

 Standard Arch Size:
 576mm(W) x 567mm(H)

 Strap Size:
 1/4" - 1/2" (5mm - 12mm)

 Package Size:
 Max. Governed By Arch Min. 2.17" H x .2" W

Tension Max. 240 lbs. (325 N)

Seal Head Location:SideSealing Method:Heat SealMobility:3" Casters

**Dispenser:** Externally located-

8" or 9"I. D./8" Face/18"O.D.

Power: 110 Volt Single Phase



#### **N3400RA**

#### RETRACTABLE ARCH STRAPPING MACHINE



#### **EQUIPMENT SPECS**

Capacity

Single strap, bundles/minute up to, depending on tension 20

**Bundles** 

 $\begin{tabular}{ll} Width & 40mm-250m \end{tabular}$ 

Height 5mm -170mm, depending on arch size

Weight Max 30 kg.

Strap Tension Max. 325

Adjustable with 10 steps Automatic strap tensioning Tension at bundle in Foot Pounds:

**Strapping Material** Polypropylene DIN EN 13 394

 Strap Width
 5 - 12mm

 Strap Thickness
 0.4 - 0.65mm

 Strap Coil Core ID
 200 - 228

 Strap Coil Core OD
 420

 Width in mm:
 160 - 190

**Power Supply** 1Wide Range Input 100-240V,

1AC; 47-63 Hz

#### N3400C

#### HIGH-SPEED AUTOMATIC STRAPPING MACHINE



#### **EQUIPMENT SPECS**

 Overall Width:
 32.5" (828mm)

 Overall Length:
 37.6" (956mm)

**Overall Height:** 47.6" (1210mm) with external dispenser

**Table Height:** 61.6 - 66.3" (1565 - 1685mm) **Weight:** 31.3 - 35.8" (795 - 910mm)

**Cycle Time:** 386 lbs. (175kg)

Cycle Initiation

Standard Arch Size:

Photo eye sensor or footbar

Strap Size:

1/4" - 1/2" (5mm - 12mm)

Package Size:

Max. Governed By Arch

Mip. 1.37" H. v. 2.5" W.

Min. 1.37" H x 2.5" W

**Tension** Adjustable electronic control

Seal Head Location:BottomSealing Method:Heat SealMobility:3" Casters

**Dispenser:** Internally located-

8" or 9"I. D./8" Face/18"O.D.

**Power:** 110 Volt Single Phase

#### **NP7000**

#### HIGH-SPEED AUTOMATIC STRAPPING MACHINE



#### **EQUIPMENT SPECS**

Overall Width: 32.5" (828mm)
Overall Length: 37.6" (956mm)

Overall Height: 47.6" (1210mm) with external dispenser

**Table Height:** 61.6 - 66.3" (1565 - 1685mm) **Weight:** 31.3 - 35.8" (795 - 910mm)

**Cycle Time:** 386 lbs. (175kg)

Cycle InitiationUp to 55 cycles per minuteStandard Arch Size:Photo eye sensor or footbarStrap Size:1/4" - 1/2" (5mm - 12mm)Package Size:Max. Governed By Arch<br/>Min. 1.37" H x 2.5" W

Adjustable electronic control

Seal Head Location:BottomSealing Method:Heat SealMobility:3" CastersDispenser:Internally located-

8" or 9"l. D./8" Face/18"O.D.

**Power:** 110 Volt Single Phase

**Tension** 

#### **CB7000**

#### CORRUGATED BUNDLER AUTOMATIC STRAPPING MACHINE

How do you avoid damage to corrugated across your supply chain? It starts with having the right bundling equipment to unitize product quickly, efficiently and securely. Equipment that works as hard as you do.

That's where Greenbridge comes in.

# SUPER FAST! Up To 33 Bundles Per Minute



## **CB7000** Is All Business

#### **FEATURES**

#### **Full-color touch screen**

is an intuitive, easy to use interface.

# Robust, compact direct drive strapping head

The latest DC, German-made DC brushless motor technology provides the industry's highest level of accuracy + reliability.

#### **Siemens PLC control**

Provides easy adjustments, TEACH-IN programming + troubleshooting guides.

# Patented jammed-strap ejection device

Makes it easy to remove jammed strap and get back to work.

#### **Full-width pneumatic press**

Provides the highest reliability and stability.

Free access to strap guides

No tools needed to access strap guides.

#### **Multiple strap function**

For single, double, continuous strapping or transit mode.

#### **Variable Conveyor Speed**

Fully automatic operation with a variable conveyor.

#### Strap end ejector

Eject end of strap from the inlet of strap feeding. Easy to clean + get the machine ready for next coil of strap.

#### Adjustable table height

Adjusts from 27.5" to 39"

#### **OPTIONS**

- Adjustable back stops
- Uplift support for heights greater than 39"

#### **EQUIPMENT SPECS**

Arch Sizes  $65" (W) \times 17" (H)$ 

49" (W) x 17" (H)

**Cycle Rate** Up to 24 bundles per

minute (single strap)
Up to 20 bundles per

minute (double strap)

Strap Width 5mm, 6mm, 9mm

polypropylene strap

**Strap Tension** 2 to 70 lbs.

**Minimum** 11" (L) × 8" (W) × 3/3" (H)

**Bundle Size** 

Bundle Weight Max 88 lbs.Transport Speed 49 to 196 feet

per minute

**Electrical** 220V, 380V, 400V, **Requirements** 50/60Hz 3 Phase

#### **CB7000SQ**

#### SQUARING CORRUGATED BUNDLER AUTOMATIC STRAPPING MACHINE

How do you avoid damage to corrugated across your supply chain? It starts with having the right bundling equipment to unitize product quickly, efficiently and securely. Equipment that works as hard as you do.

That's where Greenbridge comes in.





#### **CB7000SQ** Is All Business

#### **FEATURES**

#### **Full-color touch screen**

is an intuitive, easy to use interface.

#### Robust, compact direct drive strapping head

The latest DC, German-made DC brushless motor technology provides the industry's highest level of accuracy + reliability.

#### Siemens PLC control

Provides easy adjustments, TEACH-IN programming + troubleshooting guides.

#### No-tool strap guide access

How easy is this?

#### Automatic bundle size set-up system

The automatic setting mode lets you change bundle size change in 15 seconds, minimizing downtime.

#### Three-side squaring bundle control

Electric-driven side squaring + backstop devices optimize bundle integrity for strapping. Front + rear squaring mechanism with independent control system improves squaring performance over a wider range of bundle sizes.

#### Motorized full-width press bar

Delivers high reliability and stability of the movement. Increase strapping speed with easy adjustments to press bar positions.

#### Hinged roller table

Ergonomic design makes it easy and effortless to open the table top for cleaning + maintenance.

#### Ideal for small bundles -

even those as small as 8" (W) x10" (L).

#### **EQUIPMENT SPECS**

**Arch Sizes** 65" (W) x 17" (H) **Cycle Rate** 

Up to 24 bundles per

minute (single strap)

Strap Width 5mm, 6mm, 9mm

polypropylene strap

**Strap Tension** 2 to 70 lbs. Transport Speed 49 to 196 feet

per minute

**Electrical** 220V, 380V, 400V,

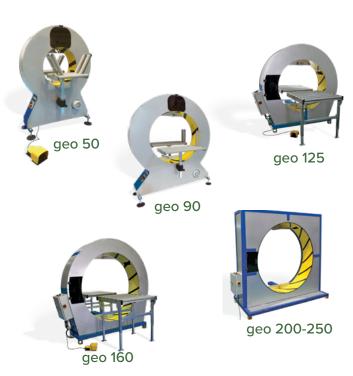
Requirements 415V, 50/60Hz 3 Phase

#### **OPTIONS**

- Dual dispensers with auto coil change Uplift support for heights greater than 39"
- Greenbridge quality polypropylene strap
- Greenbridge equipment maintenance program
- Full-color touch screen

#### **ORBITAL WRAPPERS**

**GEO**SEMI-AUTOMATIC ORBITAL WRAPPER

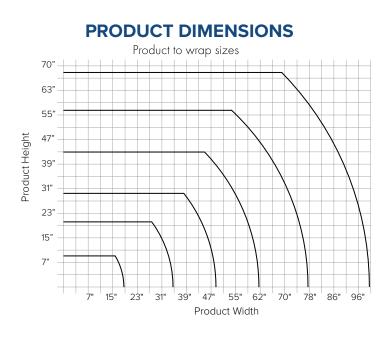


#### **PRODUCT DIMENSIONS** Product to wrap sizes 78" 70" 55" **Product Height** 47" 39" 31" 23" 15" 0 15" 62" 70" 78" 23" 31" 39" 47" 55"

Product Width

#### **LUNA**

FULLY-AUTOMATIC ORBITAL WRAPPER





#### **ORBITAL WRAPPERS**

#### **AXIS**

#### SEMI & FULLY - AUTOMATIC ORBITAL WRAPPER FOR ROUND PACKAGES



#### **AXIS PRODUCT DIMENSIONS**

Product to wrap sizes





	Axis 50	Axis 90
е	13 - ∞ in	
f	0.4 - 10 in	
g	9.6 - ∞ in	
h	9.6 - ∞ in	
i	0.4 - 17.7 in	
j	0.4 - 17.7 in	
k	11 - 35 in	13 - 70 in
I	14 - 37 in	17.25 - 71 in
m	0.4 - 8 in	2 - 16.5 in

## **SATURN**



#### **SX600 ULTRASONIC**

#### STRAPPING HEAD SOLUTIONS



With its innovative ultrasonic weld system, the Greenbridge SX600 Ultrasonic strapping head is the newest, state-of-the-art design in strapping technology. With a compact size, the SX600 weighs in at just 44 pounds. It's so light, one person can easily move it alone, making head replacement much easier and safe. The SX600 features simple strap feeding and ultrasonic sealing technology for reliable seals on polypropylene or polyester strapping. If you're looking for a strapping head built for safer handling and maintenance friendly operation,

you need this strapping head.



AT JUST 44 POUNDS SX600 is Easy to Handle!

#### STANDARD FEATURES

- Ultrasonic sealing technology
- Reduced overall dimensions
- Easy strap feeding
- Reliable seals on PP or PET strap
- Option of automatic strap feeding device

#### **BENEFITS**

#### **FAST CYCLE**

- Variable speed
- Ultrasonic sealing

#### **RELIABLE**

- Fewer parts
- Linear Cam
- Downtime is virtually eliminated

#### **SUPPORT WORKER SAFETY**

- Lighter weight
- One person can lift + carry

#### **ECONOMICAL**

- Operates with cost efficient strap
- No lubrication required

#### **SPECIFICATIONS**

**Dimensions**  $15.75" \times 9.5" \times 6.3"$ 

Weight 44 lbs.

**Strap Type** Polyester or Polypropylene

**Strap Width** 3/8" – 1/2"

Feeding +

**Recovery Speed** 18' per second **Strap Tensioning** Up to 340 lbs.

Tensioning

**Regulation** Manual Adjustment

Utilization

**Temperature**  $50^{\circ} - 122^{\circ} F$ 

# TR MODULAR SERIES STRAPPING HEAD SOLUTIONS

The versatile TR Modular Series of strapping heads is engineered to allow rapid exchange of units in the head to enable maximum throughput and minimal delays during changeovers. Quick change modular parts include welding and clamping units. These heads include long-lasting, self-cleaning heater blades perfect for polyester strapping. Strap is easy to load, with auto refeed and strap-in-place signals. Count on the TR Modular Series strapping heads to apply consistent strap tension to a pack, securing the load like a pro. You need these heads.





TR1400 for Metal Cans +
Plastic Bottles –
Versatility Plus!



TR1800 for Glass Bottles + Jars – Strong + Secure!



TR2000 for Brick + Lumber – Heavy Duty Power!

#### **FEATURES + BENEFITS**

- Modular clamping+ welding units
- Heat-seal technology
- Proven, reliable tensioning technology
- Fast, consistent strap feed + alignment
- Rapid head replacement minimizes downtime
- Models to suit all industries
- One 0.75 Kw electric motor

#### **EQUIPMENT SPECS**

	TR1400	TR1800	TR2000
Strap Type	PP + PET	PET	PET
Strap Width	0.35" - 0.63"	0.47" - 0.75"	0.63" - 0.75"
Strap Thickness	.023"039"	.023"039"	.030"050"
Maximum Feeding + Recovery Speed	18' per second	8.8' per second	8.8' per second
Maximum Strap Tensioning	500 lbs.	900 lbs.	1500 lbs.
Dimensions	28.94	" W × 11.42" D × 11.8	81 H
Utilization Temperature		32° – 120° F	
Noise Level		<70 decibels	
Options	Stra	ap refeeding device	е

#### **PBSU**

#### **BOTTOM SEAL AUTOMATIC STRAPPING MACHINE**





#### **FEATURES/OPTIONS**

- Full Conveyor Integration
- Allen-Bradley<sup>™</sup> PLC
- Corner Protection Pkg. Conditioning 2
- Custom Arch Sizes
- Electrical Head Index

#### **SPECIFICATIONS**

Industry All

Strap PET + PP

**Head** SX600, TR1400, TR1800, TR19HT,

TR2000

**Power** 480 VAC, 60 Hz, 3 phase, 20A

**Arch** Modular, Aluminum Track

Compression



#### **PSSU**

#### SIDE SEAL MACHINES FIXED HEAD



#### **FEATURES**

- Low Maintenance
- Easy Access to Strap Path
- High Tension Capable
- Quick Installation
- Fixed Head
- Fixed Track
- Unitizing Machine
- Optional: Mobility Frame with lockable castors

#### **SPECIFICATIONS**

**Industry** General Application

**Battery** PET + PP

**Head** SX600, TR1400, TR1800,

TR19HT, TR2000

Power 480 VAC, 60 Hz, 3 phase, 20A

Track Extruded Aluminum-Modular Build



#### **PSBU/PSIU**

### SIDE SEAL MACHINES INDEXING HEAD WITH OR WITHOUT RETRACTABLE BAYONET

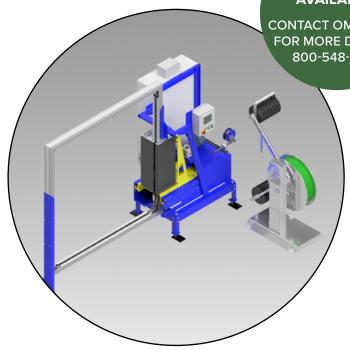


# **All Electric No Air Required**



#### **CUSTOM OPTIONS AVAILABLE!**

**CONTACT OMS SALES** FOR MORE DETAILS, 800-548-9557



#### **SPECIFICATIONS**

#### **CAN + BOTTLE**

Industry Can + Bottle, All other

Strap 3/8" (PET bottle and metal can)

7/16" or 1/2" (glass)

Head SX600

TR1400 (PET bottle and metal can)

TR19HT (glass)

Power 480 VAC, 60 Hz, 3 phase, 20A

Compression Modular

#### **GENERAL APPLICATION**

Industry Can + Bottle, All other

Strap PET + PP

SX600, TR1400, TR1800, Head

TR19HT, TR2000

Power 480 VAC, 60 Hz, 3 phase, 20A Track Extruded Aluminum-Modular Build

### **SYSTEMS AND HEADS**

### **MHBU**

# EXCLUSIVE, QUICK-CHANGE STRAPPING HEAD

When your application requires special configuration, you need to look at the flexibility of the MHB series and Greenbridge's ability to adapt and customize to your specification therefore lowering your overall cost of manufacturing. The MHB series strapping machines are built strong. By using high quality materials and heavy-duty hardware the strapping unit will perform in even the toughest environments.

#### **EQUIPMENT**

- Tension adjustable with 10 steps
- Operation Terminal with Soft-Button
- DAT "Direct-Access-Technology"
- ASLF "Anti-Strap-Loss-Function" Constant strap control
- Wear-free Strap frame by stainless steel guide
- Wear-free, energy saving direct-drive motors
- Adjustable torque controlled strap tension
- · Automatic Strap feed

#### **BENEFITS**

- User-friendly and intuitive
- Economical due to high availability
- Robust and extremely low maintenance
- Powerful
- Variable strap width



MHB SPARE HEAD

## **MHB**

# MULTIPLE HEAD SIDE SEAL STRAPPING MACHINE



The MHB is a custom built side seal strapping machine designed to strap product vertically. The unique head location is designed to minimize foreign matter from interrupting machine performance. Designing a multiple head system can dramatically increase your production. Constructed with heavy-duty material and hardware allows this machine to operate flawlessly in virtually any environment.

# **SERVICES, AGREEMENTS AND TRAINING**

Greenbridge's customer commitment does not end with the purchase of the packaging systems equipment. The Equipment Group, at Greenbridge, performs tool repairs and maintains a large inventory of spare and replacement parts. The Equipment Group can also supervise the installation of all systems and provide on-site operator and maintenance training. Greenbridge offers machine maintenance agreements through regularly scheduled visits. We have Field Service technicians across the continental USA for quick response in case of an emergency.

### STANDARD SERVICE PROGRAM

- Greenbridge has industry competitive service rates to help our customers when they need preventive maintenance or repairs on their equipment.
- On top of providing service for Greenbridge equipment, we also have the capability to provide service on multiple competitor equipment.
- Our Field Service technicians carry common wear items for the equipment.
   We also have a wide availability of parts in our Green, OH facility.
- We can provide on-site training for your operators and maintenance personnel to keep your machines in proper working conditions.
- We also provide phone support and video calls.

### **COMPLETE OMS HEAD REBUILD PROGRAM**

- As part of the service calls or agreements, Greenbridge can also rebuild your strapping heads on-site.
- 1-2 days per strapping head
- Training for in-plant maintenance personnel for rebuilds.
- · Emergency Service offered.

### **COMPLETE SERVICE AGREEMENTS**

- Greenbridge offers tailored Service Agreements per each customer needs. We offer from 2 visits per year (bi-annual) all the way to a visit per month.
- Signing an agreement with Greenbridge will provide discounts on Labor & Parts.
- Customers with Agreements will be prioritized in case of an emergency (Less than 2 weeks' notice)
- Greenbridge head swap program available\*









## **MEET OUR TEAM**

At Greenbridge, our dedicated team of Field Service Technicians brings a wealth of industry expertise. With technicians strategically positioned across the nation, we offer prompt and reliable service whenever and wherever you need it. Rest assured, our team is committed to maintaining the smooth operation of your systems, driven by a passion for excellence and a dedication to staying ahead of industry advancements.

- Industry competitive service rate
- Multiple strapping equipment service capabilities
- Greenbridge OMS strapping head replacement parts
- OEM strapping head parts for several machine types
- On-site training for plant maintenance and technicians
- Free phone support



## **HOW TO SELECT THE PROPER TOOLS**

### PALLETS PER 8-HOUR SHIFT:

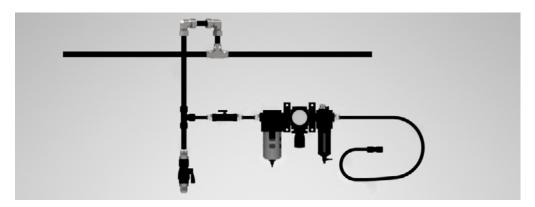






# Installation of air powered tools

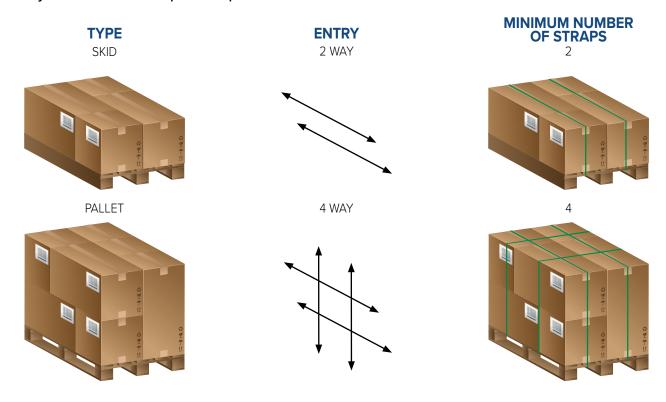
There are TWO important functions, pressure and volume. Without the proper volume as well as pressure, the tool will not perform or function properly.



- 1. It is helpful if main air line is pitched so far end terminates in a water leg.
- 2. Branch lines, 1/2" pipe size, or larger should be taken from the top of the main line; never off the bottom.
- 3. Each branch line should have a water leg at its lowest point with a drain cock which should be periodically tested, drawing all the water off. The above precautions reduce the amount of moisture that reaches the filter-regulator-lubricator unit.
- 4. Locate the f-r-l unit above the elevation of the tool when practical, and as close to the strapping operation as possible. It should easily be accessible for draining, filling and adjusting.
- 5. Tool fittings (quick disconnect) should be a minimum of 3/8" ID.

# GENERAL SAFETY RULE FOR PRODUCTS ON SKIDS OR PALLETS

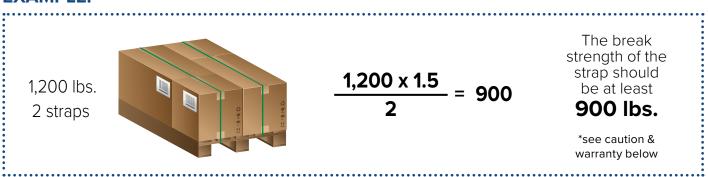
Always place a minimum of 2 straps in the load direction. The load direction is always how the skid or pallet is placed on a truck oriented front to back.



# **GENERAL BREAK STRENGTH GUIDELINES**\*

General starting point: Take the weight of the load x 1.5, divided by the number of straps.

### **EXAMPLE:**



Caution: Always proceed with caution. It is up to the user to determine if the load is safe.

Warranty: Seller warrants that the products sold herein will conform to Seller's specifications and will be free of defects in workmanship and materials for a period of one (1) year from the date of production. EXCEPT AS EXPRESSLY STATED HEREIN, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED AND EXPRESSLY DISCLAIMS ALL WARRANTIES REGARDING THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS DESCRIBED HEREIN. The equipment and procedures utilized to apply the product and environmental conditions are among the factors which may adversely affect the performance of the product. It is essential that the user evaluate whether the product is fit for a particular purpose and user's method of application.

# FRICTION BATTERY TOOL SELECTION GUIDE











B- Series	B300	B600	B1200	SB8400	SB8500		
Features	Lowest Cost     Light Tension	• Full Auto, Semi Auto and Manual		<ul><li>Battery Powered</li><li>Powerful and Quick</li><li>Strong and Reliable</li></ul>	Battery Powered     Powerful and Quick     Double Notch Seal		
TOOL PERFORMANCE							
Max tension (lbs)	300	600	1200	2200	N/A		
Sealing	Friction	Friction	Friction	Friction	Double Notch		
Joint Strength	75% of Strap Break	80% of Strap Break	80% of Strap Break	75% of Strap Break	75% of Strap Break		
Tension Speed	5 in / sec	10.4 in / sec	7.9 in / sec	2 in / sec	N/A		
STRAPPING RANGE							
Strap Type	PP or PET	PP or PET	PP or PET	Steel	Steel		
Width (inches)	1/2" to 5/8"	1/2" to 5/8"	5/8" to 3/4"	3/4" to 11/4"	3/4" to 11/4"		
Thickness (inches)	0.020" to 0.030"	0.019" to 0.030"	0.031" to 0.050"	.023"043"	.023"043"		
TOOL FEATURES							
Manual Mode	Yes	Yes	Yes	Yes	Yes		
Semi Automatic	No	Yes	Yes	N/A	N/A		
Fully Automatic	No	Yes	Yes	N/A	N/A		
Welding by button	No	Yes	Yes	N/A	N/A		
Motors	2	3	3	1	1		
PHYSICAL DIMENSION	ONS						
Weight (lbs)	8.8	8.8	8.8	14.2	9.9		
Length (inches)	12.5	11.8	11.8	15.75	13.7		
Width (inches)	5.5	5.9	5.9	4.72	3.9		
Height (inches)	6.5	6.3	6.3	4.72	3.2		
BATTERY - QUICK CH	HANGE						
Part Number	B300BAT	B600BAT	B1200BAT	B302BAT	B302BAT		
Output	14.4V 3.0 A/H	14.8 V 2.0 A/H	14.8 V 3.2 A/H	14.8 V 3.0 A/H	14.8 V 3.0 A/H		
Туре	Lithium Ion	Lithium Polymer	Lithium Polymer	Lithium Ion	Lithium Ion		
Charge Time	30 to 45 min	20 to 40 min	20 to 40 min	30 to 45 min	30 to 45 min		
BATTERY CHARGER							
Included with Tool	1 Charger	1 Charger	1 Charger	1 Charger	1 Charger		
Part Number	300CHG	600CHG	600CHG	301CHG	301CHG		
Output	60 Hz 35W	60 Hz 80W	60 Hz 80W	60 Hz 120W	60 Hz 120W		
Power Supply	16.4V 3A	16.8 V 5A	16.8 V 5A	21V 4A	21V 4A		
OPTIONAL ACCESSO	RIES						
Suspension Bracket	190144	190259	190259	N/A	N/A		
HD Wear Plate	189803	190258	190258	N/A	N/A		
Counter Balancer	189195	189195	189195	N/A	N/A		

# FRICTION BATTERY TOOL SELECTION GUIDE













	1			-					
B- Series	B400	B800	B1000	B2000	EVO HT	EVO LT			
Features	Light Tension     Lowest Cost	Mid Tension     Efficient tension/     seal technology	High Tension     Value Priced High Tension Tool	Highest Tension     Fully Automatic	BlueTooth     Lever Free     Intuitive Interface	BlueTooth     Lever Free     Intuitive Interface			
TOOL PERFORMANCE									
Max tension (lbs)	450	850	1125	2000	1000	600			
Sealing	Friction	Friction	Friction	Friction	Friction	Friction			
Joint Strength	80% of Strap Break	80% of Strap Break	80% of Strap Break	80% of Strap Break	80% of Strap Break	80% of Strap Break			
Tension Speed	5.9 in / sec	5.9 in / sec	5.9 in / sec	7 in / sec	4 in / sec	7.2" / sec			
STRAPPING RANGE									
Strap Type	PP or PET	PP or PET	PP or PET	PET	PP or PET	PP or PET			
Width (inches)	3/8" to 5/8"	5/8" to 3/4"	5/8" to 3/4"	1" to 1 1/4"	5/8" to 3/4"	1/2" to 5/8"			
Thickness (inches)	0.019" to 0.030"	0.025" to 0.040"	0.035" to 0.050"	0.031" to 0.055"	0.028" - 0.05"	.019"036"			
TOOL FEATURES									
Manual Mode	Yes	Yes	Yes	Yes	Yes	Yes			
Semi Automatic	No	No	No	Yes	Yes	Yes			
Fully Automatic	No	No	No	Yes	Yes	Yes			
Welding by button	No	No	No	Yes	Yes	Yes			
Motors	2	2	2	3	2	2			
PHYSICAL DIMENSI	ONS								
Weight (lbs)	7.9	8.4	8.4	14.2	10.2	9.7			
Length (inches)	11.4	12.4	12.4	11.8	12.8	13			
Width (inches)	5.5	5.5	5.5	5.9	5.3	5.3			
Height (inches)	6.5	7.2	7.2	7.9	5.3	5.3			
BATTERY - QUICK C	HANGE								
Part Number	B400BAT	B800BAT	B800BAT	B2000BAT	B302BAT	B302BAT			
Output	14.8 V 2.0 A/H	14.8 V 3.0 A/H	14.8 V 3.0 A/H	36V 2.0 A/H	18V, 5ah Li-Ion	18V, 4ah Li-Ion			
Туре	Lithium Polymer	Lithium Polymer	Lithium Polymer	Lithium Ion	Lithium Ion	Lithium Ion			
Charge Time	20 to 40 min	20 to 40 min	20 to 40 min	20 to 40 min	30 to 45 min	30 to 45 min			
BATTERY CHARGER									
Included with Tool	1 Charger	1 Charger	1 Charger	1 Charger	1 Charger	1 Charger			
Part Number	400CHG	400CHG	400CHG	2000CHG	301CHG	301CHG			
Output	60 Hz 80W	60 Hz 80W	60 Hz 80W	60 Hz 375W	60 Hz 120W	60 Hz 120W			
Power Supply	16.0 V 5A	16.0 V 5A	16.0 V 5A	14.4V 2A	21V 4A	21V 4A			
OPTIONAL ACCESS	ORIES								
Suspension Bracket	190144	190144	190144	190259	408260	408260			
HD Wear Plate	189803	189803	189803	N/A	N/A	N/A			
Counter Balancer	189195	189195	189195	189300	189195	189195			

# PNEUMATIC TOOL SELECTION GUIDE











		100	- I	,	
PHT- Series	PHT 401	PHT 801	PHT 1201	PHT 1401	PWT
Features	Light Tension     Range     PET &     Polypropylene     Light to Medium     Applications	PET &     Polypropylene     Med-Heavy     Applications	High Tension Tool     PET Only     Med-Heavy     Applications	<ul><li>1-1.25" PET Tool (ideal for lumber &amp; steel)</li><li>PET Only</li><li>Heavy Duty Applications</li></ul>	Sealing Only     Ideal for Bailing     Integral     Suspension     bracket
TOOL PERFORM	ANCE				
Max tension (lbs)	450	850	1250	1280	N/A Seal Only
Sealing	Friction	Friction	Friction	Friction	Friction
Joint Strength	80% of Strap Break	80% of Strap Break	80% of Strap Break	80% of Strap Break	80% of Strap Break
Tension Speed	11m / min	9m / min	9m / min	4m / min	N/A
STRAPPING RAN	IGE				
Strap Type	PP or PET	PP or PET	PET	PET	PP or PET
Width (inches)	3/8" to 5/8"	5/8" to 3/4"	5/8" to 3/4"	1" to 1 1/4"	7/16" to 3/4"
Thickness (inches)	0.020" to 0.029"	0.030" to 0.040"	0.040" to 0.055"	0.040" to 0.050	0.016" to 0.055"
TOOL FEATURES	<b>.</b>				
Release button	No	Yes	Yes	Yes	No
Manual Mode	Yes	Yes	Yes	Yes	Yes
Welding by lever	Yes	Yes	Yes	Yes	Yes
Motors	2	2	2	2	1
PHYSICAL DIME	NSIONS				
Weight (lbs)	10.8	11.2	11.2	11.2	5.7
Length (inches)	11	11	11.8	9.8	9.8
Width (inches)	6	6	6	5.5	5.1
Height (inches)	6.9	6.9	6.9	6.5	4.7
AIR PRESSURE					
Pressure Range	5-7 bar/70-90 psi	5-7 bar/70-90 psi	5-7 bar/70-90 psi	6-7 bar/87-99 psi	4-7 bar/64-99 psi
Filter-Regulator- Lubricator	required	required	required	required	required
Pressure Consumption	14L/s - 29cu ft/mi	14L/s - 29cu ft/mi	14L/s - 29cu ft/mi	14L/s - 29cu ft/mi	14L/s - 29cu ft/mi
OPTIONAL ACCE	SSORIES				
HD Wear Plate	189605	189605	189605	189605	189605
Counter Balancer	189195	189195	189195	189195	189195

# STEEL TO POLYESTER CONVERSION

### STEEL TO POLYESTER CONVERSION TESTING GUIDELINES\*

If a customer uses a pallet of steel each month, they are a good candidate for conversion to polyester strapping or woven or composite cord strapping.

	-			, ,				- 11 3			11 3
		POLYESTER STRAPPING									
		3/4" x .050	3/4" x .040	5/8" x .040	5/8" x .035	5/8" x .300	1/2" x .028	1/2" x .021	1/2" x .018	7/16" x .021	3/8" x .019
	3/4" x .031 HT										
	3/4" x .025 HT										
	3/4" x .023 HT										
	3/4" x .020 HT							NOT DECO	MACNIDED		
	3/4" x .023 RD							NOT RECOMMENDED TO TEST			
	3/4" x .020 RD										
	3/4" x .017 RD										
	5/8" x .023 HT										
STEE	5/8" x .020 HT		DECOM	AENDED							
%	5/8" x .020 RD			MENDED TEST							
	5/8" x .017 RD		101	IES I							
	1/2" x .023 HT										
	1/2" x .020 HT										
	1/2" x .020 RD										
	1/2" x .017 RD										
	3/8" x .020 RD										

STEEL SPECIFICATIONS						
SIZE	BREAK	FEET/COIL				
3/8" x .017 RD	980	4710				
3/8" x .020 RD	880	3930				
1/2" x .017 RD	1305	3490				
1/2" x .020 RD	1180	2940				
1/2" x .023 RD	1340	2560				
5/8" x .020 RD	1470	2360				
5/8" x .023 RD	1670	2050				
3/4" x .020 RD	1760	1960				
3/4" x .023 RD	2010	1710				
3/4" x .025 HT	2800	1570				

POLYESTER SPECIFICATIONS							
PRODUCT NO.	SIZE	BREAK	FEET/COIL				
1277	1/2" x .025	775	5800				
1280	1/2" x .028	800	6500				
1822	1/2" x .028	800	6500				
5890	5/8" x .025	900	4400				
5811	5/8" x .030	1100	3600				
5814	5/8" x .035	1400	4200				
58PT	5/8" x .035	1400	4000				
583E	5/8" x .035	1400	4000				
5816	5/8" x .040	1600	4000				
584E	5/8" x .040	1600	4000				
344E	3/4" x .040	1900	3000				

#### STEEL TO CORD CONVERSION TESTING GUIDELINES\*

	POLYESTER CORD STRAPPING						
	COMPOSITE	CC65	CC69	CC85	CC89	CC105	
	WOVEN	PC50WH	PC55WX	PC75TA	PC105TA	PC150WXA	
	5/8" x .020 RD						
	5/8" x .023 RD				RECOMMENDED TO TEST		
	5/8" x .020 HT						
	5/8" x .023 HT						
	3/4" x .020 RD						
	3/4" x .023 RD						
	3/4" x .020 HT						
	3/4" x .023 HT						
	3/4" x .025 HT		NOT RECOMMENDED TO TEST				
	3/4" x .029 HT				WOVEN		
ш	3/4" x .031 HT				CORD SIZES		
STEEL	1-1/4" x .020 HT				ONLY	1401/51	
U)	1-1/4" x .025 HT					WOVEN	
	1-1/4" x .029 HT					CORD SIZES ONLY	
	1-1/4" x .031 HT						

COMPOSITE CORD SPECIFICATIONS						
PRODUCT NO.	SIZE	BREAK	FEET/COIL			
CC65	3/4" x .045	1400	1640			
CC69	3/4" x .050	1740	1640			
CC85	1" x .045	1800	1640			
CC89	1" x .045	2700	1300			
CC105	1-1/4" x .055	3320	770			

<sup>\*</sup>It is up to the user to determine whether a product is safe and fit for a particular purpose and user's method of application

WOVEN CORD SPECIFICATIONS						
PRODUCT NO.	SIZE	BREAK	FEET/COIL			
PC50WH	5/8"	1400	2000			
PC55WX	5/8"	2000	2000			
PC75TA	3/4" AAR	2400	1650			
PC105TA	1-1/4" AAR	3900	660			
PC150WXA	1-1/2" AAR	5400	500			

<sup>\*</sup>Strapping should never be used as a handle.

#### Caution: Always proceed with caution. It is up to the user to determine if the load is safe.

Warranty: Seller warrants that the products sold herein will conform to Seller's specifications and will be free of defects in workmanship and materials for a period of one (1) year from the date of production. EXCEPT AS EXPRESSLY STATED HEREIN, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED AND EXPRESSLY DISCLAIMS ALL WARRANTIES REGARDING THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS DESCRIBED HEREIN. The equipment and procedures utilized to apply the product and environmental conditions are among the factors which may adversely affect the performance of the product. It is essential that the user evaluate whether the product is fit for a particular purpose and user's method of application.

<sup>\*</sup>Every application varies, testing must be done thoroughly prior to converting.

<sup>\*</sup>American Association of Railroad Rules may apply.

 $<sup>{}^*\</sup>mbox{Galvanized coated buckles should be used with composite cord strapping}.$ 

<sup>\*</sup>Phosphate coated buckles should be used with woven cord strapping.

# **GREENBRIDGE PRODUCT TIMELINE**

- MANUFACTURING CABABILITIES
- ACQUISITIONS
- INNOVATIVE PRODUCT LAUNCHES

