

# Seals and Buckles



**Wire/  
Plastic  
Buckles**



**Seals  
for Plastic  
Strapping**



**Seals  
for Steel  
Strapping**

# Buckles

PAC have been manufacturing metal buckles for over 34 years. They use first grade raw materials and rigid process controls to produce an excellent metal buckle that is easy to thread, consistent, and yields superior holding power. Used throughout the world, PAC metal buckles are the standard in the strapping industry. All PAC wire buckles are manufactured to meet ASTM Standard D3950.

## Regular Duty Metal Buckles

Our patented PAC design metal buckle is engineered for easy threading and features our exclusive “S” lock to maximize holding power.

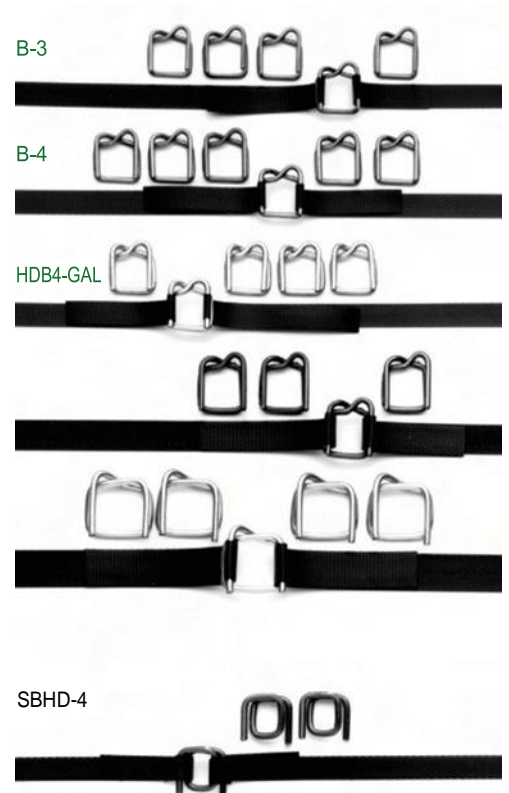
PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	FINISH	SHIPPING WGT. (lbs./M)
B-3	3/8	.092	Bright Basic	10
B-4	1/2	.105	Bright Basic	14
B-4L	1/2	.092	Bright Basic	11
SB-4*	1/2	.105	Bright Basic	11
B-5	5/8	.120	Bright Basic	20
B-6	3/4	.120	Bright Basic	23

\*Square Design

## Heavy Duty Metal Buckles

Heavy duty buckles are available in two designs. The square design is made especially for thicker gauge strap and heavy tension applications. The regular design is there own PAC design made from heavier gauge wire. PAC design heavy duty buckles are available in regular and galvanized finishes.

PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	FINISH	SHIPPING WGT. (lbs./M)
<b>HEAVY DUTY - PAC DESIGN</b>				
HDB-4	1/2	.120	Bright Basic	18
HDB-4GAL	1/2	.120	Galvanized	18
HDB-5	5/8	.135	Bright Basic	22
<b>HEAVY DUTY - SQUARE DESIGN</b>				
SBHD-4	1/2	.120	Bright Basic	16
SBHD-4.135	1/2	.135	Bright Basic	19
SBHD-5	5/8	.135	Bright Basic	20
SBHD-6	3/4	.135	Bright Basic	21



## Phosphate Coated Buckles

Phosphate coated buckles are generally used in polyester cord and rayon cord heavy duty applications. The phosphate coating affords some additional protection against corrosion, and also significantly improves joint efficiency when properly applied.

XHDB-6PHOS



PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	FINISH	SHIPPING WGT. (lbs./M)
XHDB-6 PHOS	3/4	.160	Bright Basic	43
XHDB-125 PHOS	1 1/4	.240	Bright Basic	37
XHDB-150 PHOS	1 1/2	.275	Bright Basic	31

## Galvanized Buckles

Galvanized buckles are frequently used with composite cord strapping and any applications where rusting will create a problem.

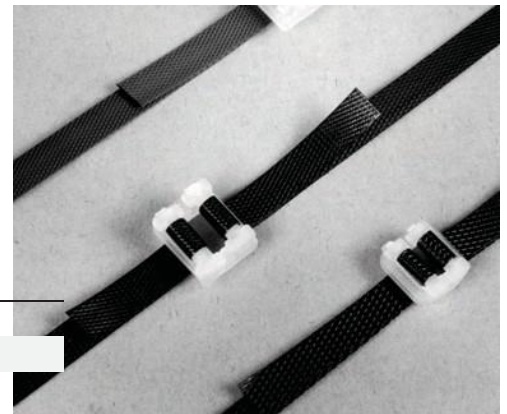
PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	PACKAGING PCS/CASE	SHIPPING WGT. (Lbs./Case)	CASES PER PALLET	SHIPPING WGT. PER PALET
XHDB-5-GALV	5/8	0.140	1000	26.40	44	1162
XHDB-6-GALV	3/4	0.160	1000	38.06	44	1675
XHDB-8-GALV	1	0.200	500	40.92	44	1801
XHDB-125-GALV	1 1/4	0.275	250	47.30	44	2082



## Plastic Buckles

Designed for light duty applications where corrosion resistance and / or a non- scratch product is important, PAC manufactures a range of plastic buckles to fit your demanding applications. For superior holding power and convenience, the patented "Bucklelok" design "locks" each leg into position to allow for pre-threading.

PRODUCT	STRAP SIZE (inches)	SHIPPING WGT. (lbs./M)
PLB-4	3/8 and 1/2	5
PLB-15HD	1/2 and 5/8	6
Bucklelok™	1/2	7



# Seals

## Seals for Plastic Strapping

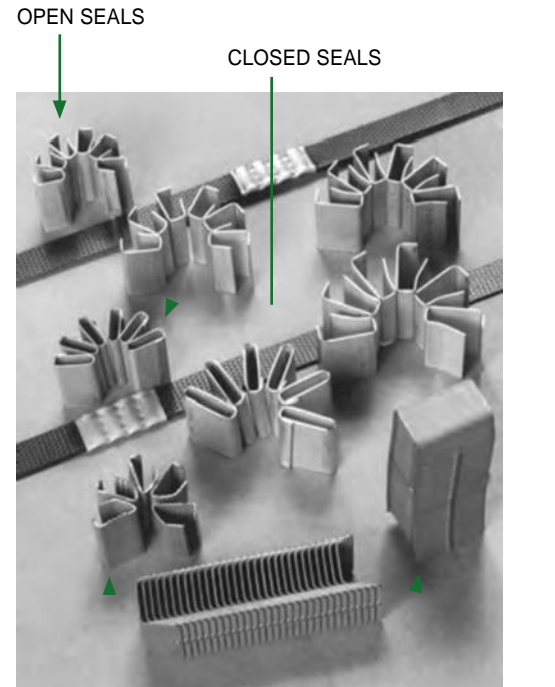
PAC Seals are manufactured from the finest raw materials under carefully controlled conditions. They are known throughout the industry for quality, consistency and reliability. All standard open and closed seals are made to ASTM Standard D3950.

PRODUCT	STRAP SIZE (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
<b>OPEN SEALS</b>			
S-30	3/8	.020	8
S-40	1/2	.025	12
S-40L	1/2	.020	10
S-50	5/8	.025	15
S-50L	5/8	.020	12
S-60	3/4	.025	18
<b>CLOSED SEALS</b>			
CS-40	1/2	.020	11
CS-50	5/8	.025	15

## Seals for Combination Tools

Combination Seals are designed for use in specific tools. When ordering, please specify tool or comparable competitive seals. In addition to the stock sizes listed below, we carry a full line of seals for competitor's tools.

PRODUCT	STRAP SIZE (inches)	DESCRIPTION	SHIPPING WGT. (lbs./M)
CCP481	1/2	Orgapack Combination Tools	20
HSS-4	1/2	Serrated Seals	13
HSS-5	5/8	Serrated Seals	22
HSS-6	3/4	Serrated Seals	42



SERRATED SEALS

### APPLICATION TIPS PLASTIC STRAPPING SEALS

#### OPEN SEALS

(S-30 through S-60) The most common plastic seal, open seals allow you to place the seal on after tensioning has occurred.

#### CLOSED SEALS

(CS-40, CS-50) Closed seals must be threaded onto the strap before tensioning. They are used most frequently with round packages or bundles.

#### SERRATED SEALS

(HSS-4 through HS5-6) These seals are made with "teeth" that actually grip the strap, yielding higher joints than traditional seals.

#### COMBINATION SEALS

For use in combination tools, these seals are tool-specific and have to be matched to the proper tools.

## Seals for Steel Strapping

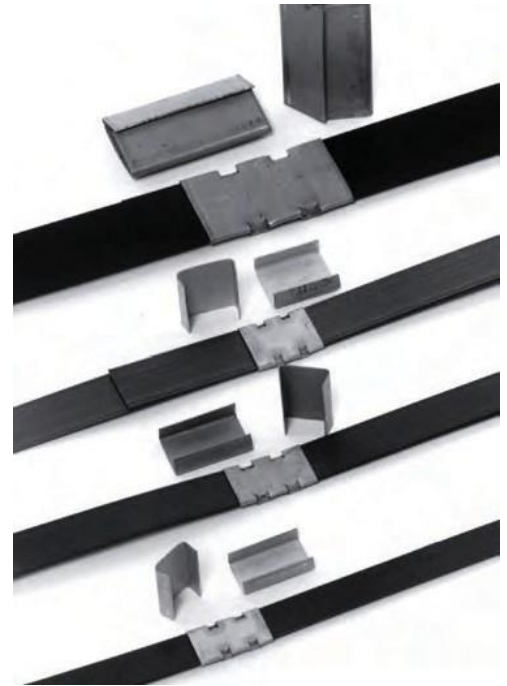
All PAC steel strapping seals are made from precision tested galvanized steel. Engineered for high joint efficiency with regular duty and heavy duty steel, all PAC seals meet federal government standards, along with ASTM Standard D3953. In addition to the stock sizes listed, we can also supply steel seals for many combination tools, including Signode.

### Regular Duty

PRODUCT	STRAP SIZE (inches)	SEAL LENGTH (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
<b>OPEN SEALS</b>				
OST38	3/8"	1.125	.020	5
OST48	1/2"	1.25	.020	6
OST58	5/8"	1.25	.020	8
OST68	3/4"	1.25	.020	10
<b>CLOSED SEALS</b>				
CST38	3/8"	1	.020	5
CST48	1/2"	1	.020	7
CST58	5/8"	1	.020	8
CST68	3/4"	1	.020	9
<b>OVERLAP SEALS (PUSH TYPE)</b>				
PT38	3/8"	.875	.025	7
PT48	1/2"	.875	.025	9
PT58	5/8"	.875	.025	10
PT68	3/4"	.875	.025	12

### Heavy Duty

PRODUCT	STRAP SIZE (inches)	SEAL LENGTH (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
<b>OPEN SEALS</b>				
OST68HD	3/4	1 3/4	.030	25
OST125HD	1 1/4	2 1/4	.030	47
<b>CLOSED SEALS</b>				
CST68HD	3/4	1 3/4	.030	25
CST125HD	1 1/4	2 1/4	.030	47
<b>OVERLAP SEALS (PUSH TYPE)</b>				
PT68HD	3/4	1 3/4	.030	34
PT125HD	1 1/4	2 1/4	.030	68



#### APPLICATION TIPS PLASTIC STRAPPING SEALS

##### OPEN SEALS

(OST Type) The most common seal for regular-duty applications, open seals allow you to place the seal on after tensioning has occurred. Also occasionally referred to as snap-on seals.



##### CLOSED SEALS

(CST Type) Closed seals must be threaded onto the strap before tensioning. They are rarely used in regular-duty applications.



##### PUSH TYPE

(PT Type) Sometimes called full overlap seals, push type seals are used with round bundles, and with pusher tools in heavy-duty applications. These seals must be threaded on prior to application.

