SECTION 9

INSTALLATION ACCESSORIES

Wide range of products including splice kits, cable ties, and water well accessories

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BOSHART INDUSTRIES

FAST RECOVERY HEAT SHRINK KITS

Boshart's fast recovery heat shrink kits are made of adhesive lined cross-linked polyolefin heat shrinkable tubing that is designed for applications up to 600 volts. The good abrasion resistance characteristics of this tubing provide excellent mechanical protection. When heated above 120°C (250°F) there is a 4:1 shrink ratio. Upon cooling the adhesive solidifies, forming a permanent, non-drying flexible and waterproof barrier. Black tubing is flame retardant, clear tubing is not flame retardant.

NO LEAD <0.25% Pb by weighted avg.

• RoHS Certified directive 2002/95/EC <0.1% Pb

Part No.	Number of Stakons	Number of Shrink Tubes	Tube Length	Wire Size AWG	Wall Thickness	Quantity L1	Quantity L2
Black, Expanded ID: 0.45", Recovered ID: 0.10"							
HSKB-2	2 (#14 - #10)	2	3"	#14 to #10	0.043"	50	
HSKB-3	3 (#14 - #10)	3	3"	#14 to #10	0.043"	50	
HSKB-3-4	4 (#14 - #10)	3	3"	#14 to #10	0.043"	50	
HSKB-4	4 (#14 - #10)	4	3"	#14 to #10	0.043"	50	
Clear, Expanded ID: 0.45", Recovered ID: 0.10"							
HSKC-2	2 (#14 - #10)	2	3"	#14 to #10	0.043"	50	
HSKC-3	3 (#14 - #10)	3	3"	#14 to #10	0.043"	50	
HSKC-3-4	4 (#14 - #10)	3	3"	#14 to #10	0.043"	50	
HSKC-4	4 (#14 - #10)	4	3"	#14 to #10	0.043"	50	
HSKC-12	12 (#14 - #10)	12	3"	#14 to #10	0.043"	50	

DELUXE HEAVY DUTY HEAT SHRINK KITS

Boshart's deluxe heavy duty heat shrink kit series have the same heat shrink tubes as the heavy duty heat shrink kits. They have extra long stakons (butt conn) for double crimping.

NO LEAD <0.25% Pb by weighted avg.

• RoHS Certified directive 2002/95/EC <0.1% Pb

Part No.	Number of Stakons	Number of Shrink Tubes	Tube Length	Wire Size AWG	Wall Thickness	Quantity L1	Quantity L2
Black, Expanded ID: 0.75", Recovered ID: 0.24"							
HS4-4XLS	3 (#4) & 1 (#6)	4	4.80"	#4	0.090"	10	
Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC4-4XLS	3 (#4) & 1 (#6)	4	4.80"	#4	0.080"	10	
Black, Expanded ID: 0.51", Recovered ID: 0.16"							
HS6-3XLS	2 (#6) & 1 (#8)	3	4"	#6	0.090"	10	
HS6-4XLS	3 (#6) & 1 (#8)	4	4"	#6	0.090"	10	
Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC6-4XLS	3 (#6) & 1 (#8)	4	4"	#6	0.080"	10	
Black, Expanded ID: 0.51", Recovered ID: 0.16"							
HS8-3XLS	2 (#8) & 1 (#14 - #10)	3	4"	#8	0.090"	10	
HS8-4XLS	3 (#8) & 1 (#14 - #10)	4	4"	#8	0.090"	10	
Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC8-4XLS	3 (#8) & 1 (#14 - #10)	4	4"	#8	0.080"	10	

BOSHART INDUSTRIES

HEAVY DUTY HEAT SHRINK KITS

Boshart's heavy duty heat shrink kit series are make of flexible cross-linked polyolefin heat shrinkable tubing. This tubing is suitable for applications up to 600 volts providing excellent waterproof insulating and environmental sealing protection for splices, connections and jacket repairs. The high impact and abrasion resistance of this heavy wall tubing provides the highest level of mechanical durability. When heated above 120°C (250°F) there is a 3:1 shrink ratio.

NO LEAD <0.25% Pb by weighted avg.

• RoHS Certified directive 2002/95/EC <0.1% Pb

Part No.	Number of Stakons	Number of Shrink Tubes	Tube Length	Wire Size AWG	Wall Thickness	Quantity L1	Quantity L2
Black, Expanded ID: 0.75", Recovered ID: 0.24"							
HS4-4	3 (#4) & 1 (#6)	4	4.80"	#4	0.090"	10	

Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC4-4	3 (#4) & 1 (#6)	4	4.80"	#4	0.080"	10	

Black, Expanded ID: 0.51", Recovered ID: 0.16"							
HS6-3	2 (#6) & 1 (#8)	3	4"	#6	0.090"	10	
HS6-4	3 (#6) & 1 (#8)	4	4"	#6	0.090"	10	

Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC6-4	3 (#6) & 1 (#8)	4	4"	#6	0.080"	10	

Black, Expanded ID: 0.51", Recovered ID: 0.16"							
HS8-3	2 (#8) & 1 (#14 - #10)	3	4"	#8	0.090"	10	
HS8-4	3 (#8) & 1 (#14 - #10)	4	4"	#8	0.090"	40	

Clear, Expanded ID: 0.75", Recovered ID: 0.22"							
HSC8-4	3 (#8) & 1 (#14 - #10)	4	4"	#8	0.080"	10	

Black, Expanded ID: 0.40", Recovered ID: 0.15"							
HS-2	2 (#14 - #10)	2	3"	#14 to #10	0.080"	50	
HS-3	3 (#14 - #10)	3	3"	#14 to #10	0.080"	50	
HS-3-4	4 (#14 - #10)	3	3"	#14 to #10	0.080"	50	
HS-4	4 (#14 - #10)	4	3"	#14 to #10	0.080"	50	

Clear, Expanded ID: 0.40", Recovered ID: 0.15"							
HSC-2	2 (#14 - #10)	2	3"	#14 to #10	0.080"	50	
HSC-3	3 (#14 - #10)	3	3"	#14 to #10	0.080"	50	
HSC-3-4	4 (#14 - #10)	3	3"	#14 to #10	0.080"	50	
HSC-4	4 (#14 - #10)	4	3"	#14 to #10	0.080"	50	

BOSHART INDUSTRIES

HEAT SHRINK TUBES

These heat shrink tubes are sold in bulk rather than part of a kit.
• RoHS Certified directive 2002/95/EC <0.1% Pb

NO LEAD <0.25% Pb by weighted avg.

Part No.	Tube Length	Expanded ID	Recovered ID	Wire Size AWG	Wall Thickness	Quantity L1	Quantity L2
Black							
HST-HS-3-BK	3"	0.40"	0.15"	#14 to #10	0.080"	25	
HST-HSK-3-BK	3"	0.45"	0.10"	#14 to #10	0.043"	25	
Clear							
HST-HS-3-CL	3"	0.40"	0.15"	#14 to #10	0.080"	25	
Black							
HST400-48-BK	48"	0.40"	0.15"	#14 to #10	0.080"	48	
HST500-48-BK	48"	0.51"	0.16"	#8 to #6	0.090"	48	
HST750-48-BK	48"	0.75"	0.24"	#6 to #2	0.090"	48	
HST1100-48-BK	48"	1.10"	0.35"	#1 to #3/0	0.120"	48	
HST1500-48-BK	48"	1.50"	0.47"	#2/0 to #350	0.160"	48	
Clear							
HST400-48-CL	48"	0.40"	0.15"	#14 to #10	0.080"	48	
HST750-48-CL	48"	0.75"	0.22"	#8 to #2	0.080"	48	

STAKON CONNECTORS

These stakon connectors are sold in bulk rather than part of a kit.

NO LEAD <0.25% Pb by weighted avg.

Part No.	Wire Size AWG	Quantity L1	Quantity L2
Standard			
SC-2	#2	4	100
SC-4	#4	4	200
SC-6	#6	10	200
SC-8	#8	10	200
SC-14-10	#14 to #10	25	500
Deluxe			
SC-2XLS	#2	4	100
SC-4XLS	#4	4	200
SC-6XLS	#6	10	200
SC-8XLS	#8	10	200

BOSHART INDUSTRIES

ELECTRICAL TAPE

Boshart's electrical tapes are available for a wide range of applications.
- CSA Standard C22.2 No. 0 & 197 Certified
- UL Standard 570 Certified
- RoHS Certified directive 2002/95/EC <0.1% Pb

NO LEAD <0.25% Pb by weighted avg.

Part No.	Size	Length	Thickness	Quantity L1	Quantity L2
Electrical Tape Temperature Range: 14°F to 176°F (-10°C to 80°C), This vinyl tape is a general all purpose tape.					
ETAWNL	3/4"	60'	0.007" (7 mils)	10	200
Cold & Sunlight Electrical Tape Temperature Range: 0°F to 176°F (-18°C to 80°C), This vinyl tape is for use as electrical insulation on joints & splices in wires and cables, protective outer jacket, harness wrapping and protective conduits. It is for low temperature applications and resists abrasions, alkalis, acids, oil, solvents, corrosive chemicals, ultraviolet rays & moisture. Retardant to flames. It has a plastic backing & aggressive rubber-resin adhesive. This cold & sunlight electrical tape offers moisture tight electrical & mechanical protection.					
ETCWNL	3/4"	60'	0.008" (8 mils)	10	200
Self Bonding Electrical Tape Temperature Range: 14°F to 176°F (-10°C to 80°C), This tape is a self fusing rubber electrical insulating tape. It is designed for low voltage electrical insulating & moisture sealing applications. Compatible with solid dielectric cable insulation. It is recommended that this tape should be over wrapped for mechanical protection with two half lapped layers of electrical tape or cotton friction tape.					
ETSBR	3/4"	22'	0.03" (30 mils)	10	20

"ALL WEATHER" PIPE WRAP TAPE

Boshart's all weather pipe wrap tape can be used on all types of pipe and fittings including steel, galvanized, electrical conduit, cast & ductile iron. It has excellent insulating capacities and superior abrasion resistance. This tape reduces corrosion problems caused by salts, salt water, solid acids, minerals, alkalis, common chemicals, vapors and protects against fungus and bacteria. It remains pliable in a wide range of temperature and working environments, resists the effects of outdoor weathering and sunlight exposure.
- IAPMO UPC Standard D100 Certified
- RoHS Certified directive 2002/95/EC <0.1% Pb

NO LEAD <0.25% Pb by weighted avg.

Part No.	Size	Length	Thickness	Quantity L1	Quantity L2
Temperature Range: 14°F to 140°F (-10°C to 60°C)					
PW2-10NL	2"	100'	0.01" (10 mils)	24	

CABLE TIES

Boshart's cable ties are very versatile and can be used in a variety of applications. They are NEMA Type 2, 21.
- ANSI/UL 94 Mtl Flame Rating V-2
- ANSI/UL Standard 62275 Certified

NO LEAD <0.25% Pb by weighted avg.

Part No.	Length	Color	Quantity L1	Quantity L2
Standard Nylon 6/6, Temperature Range: -40°F to 185°F (-40°C to 85°C), • Carbon is added to make these UV resistant • Suitable for indoor and outdoor use				
CTW018-04	4.00"	Black	100	
CTW030-05.6	5.60"	Black	100	
CTW040-08.5	8.50"	Black	100	
CTW040-11.5	11.50"	Black	100	
CTW040-14.5	14.50"	Black	100	5000

BOSHART INDUSTRIES

CABLE TIES

Part No.	Length	Color	Quantity L1	Quantity L2
Standard Nylon 6/6, Temperature Range: -40°F to 185°F (-40°C to 85°C), • Not UV resistant • Suitable for mainly indoor use				
CT018-04	4.00"	Clear	100	
CT030-05.6	5.60"	Clear	100	
CT040-08.5	8.50"	Clear	100	
CT040-11.5	11.50"	Clear	100	
CT040-14.5	14.50"	Clear	100	5000

Heavy Duty Nylon 6/6, Temperature Range: -40°F to 185°F (-40°C to 85°C), • Carbon is added to make these UV resistant • Suitable for indoor and outdoor use				
CTW120-14.2	14.20"	Black	100	2000
CTW120-24.2	24.20"	Black	50	500
CTW175-36	36.00"	Black	50	500
CTW175-41	41.00"	Black	50	500

SUBMERSIBLE TORQUE ARRESTORS

Boshart's submersible torque arrestors protect submersible pumps from starting torque damage. They are field adjustable to hold the pump centered in the well and fit snug in all well casings from 4" to 8" I.D. To install securely fasten to 1", 1-1/4" or 2" drop pipe with stainless steel clamps that are provided. There are infinite adjustments enabling the installer to obtain a proper fit.

• NSF/ANSI 372 Certified

Part No.	Drop Pipe Size	Color	Well Casing Size	Quantity L1	Quantity L2
Standard Thermoplastic Rubber (TPR)					
TA-48-BLK	1" & 1-1/4"	Black	4" to 8"	10	560
TA-48-GREEN	1" & 1-1/4"	Green	4" to 8"	10	560

Standard PVC					
TA-48-PVC	1" & 1-1/4"	Black	4" to 8"	10	560

Deluxe Thermo Plastic Elastomer (TPE)					
TA-48D-BLK	1" & 1-1/4"	Black	4" to 8"	10	560
TA-48D-GREEN	1" & 1-1/4"	Green	4" to 8"	10	560

Three Piece Thermo Plastic Elastomer (TPE)					
TA20-68D-BLK	2"	Black	6" to 8"	6	

BOSHART INDUSTRIES

SPIDER TORQUE ARRESTORS

Boshart's spider torque arrestors are easily secured to drop pipes with clamps (not included). They feature a unique wire guard feature and the casing size is clearly marked for ease of cutting to size. The suggested clamp for all sizes is 2-SSC8740.
Primary Material: SBR

NO LEAD <0.25% Pb by weighted avg.

Part No.	Drop Pipe Size	Color	Well Casing Size	Quantity L1	Quantity L2
TAS46-10	1"	Black	4" to 6"	60	
TAS46-12	1-1/4"	Black	4" to 6"	60	
TAS46-15	1-1/2"	Black	4" to 6"	60	
TAS46-20	2"	Black	4" to 6"	60	

CABLE GUARDS

Boshart's cable guards will keep the power cable from abrading against the well casing. One should be placed at the pump and one every 15' there after. Each cable guard is 6" in size and has tabs that can be cut to fit 5" or 4" well casing.
Primary Material: Polyethylene

PROUDLY MANUFACTURED BY: BOSHART INDUSTRIES

NO LEAD <0.25% Pb by weighted avg.

Part No.	Design	Drop Pipe Size	Color	Quantity L1	Quantity L2
WG-100	Self Clamping	1"	Clear	48	
WG-6	Snap In	1" & 1-1/4"	Clear	100	
WG-125	Self Clamping	1-1/4"	Clear	48	

DROP PIPE COUPLINGS

Boshart's drop pipe couplings are use to connect drop pipes together in well applications.

NO LEAD <0.25% Pb by weighted avg.

304 Stainless Steel,
• NSF/ANSI Standard 372 Certified
These couplings have an inside chamfer on both ends for trouble free starting of threads. They have a separate taper to ensure a proper watertight seal and flats on the sides for ease of use with a wrench.
Note: All tensile testing results consistently conclude in joint failure due to the elongation of the male threads on the drop/riser pipe. It is therefor recommended that the installer acquire the male pipe thread load capacity data of the drop/riser pipe from the pipe manufacturer. The loads must not exceed either the coupling or drop/riser pipe load capacity. The maximum load bearing weight of the pipe will vary significantly depending on the pipe material. This data is only a guide. The final responsibility for the design of the well lies with the well designer/installer.

Part No.	Size	Length	Quantity L1	Quantity L2
28-SSDPC-10	1"	2-1/2"	10	50
28-SSDPC-12	1-1/4"	2-1/2"	10	50
28-SSDPC-15	1-1/2"	2-1/2"	10	50
28-SSDPC-20	2"	2-1/2"	5	25

PVC,
These couplings have a wall thickness that is 30% heavier than Schedule 120 to ensure increased strength and reliability. To be used in well depths no greater than 400'.

Part No.	Size	Length	Quantity L1	Quantity L2
28-PDPC-10	1"	2-3/4"	10	100
28-PDPC-12	1-1/4"	2-3/4"	10	100
28-PDPC-15	1-1/2"	2-3/4"	10	100
28-PDPC-20	2"	3"	10	100

BOSHART INDUSTRIES

ROPE

Boshart's rope is available in different lengths and colors.

NO LEAD <0.25% Pb by weighted avg.

Braided Nylon,
This rope has high elasticity and working strength. It can be stored wet without damage and works well in pulleys, winches, general tie downs, tarps securing and marine use. Solid braid stays round, has a uniform diameter and will not rotate.

Part No.	Color	Length	Diameter	Reel Material	Tensile Strength Lbs	Quantity L1	Quantity L2
SRNB-1/4	White	1,000'	1/4"	Plastic	1,200		
SRNB-3/8	White	1,000'	3/8"	Plywood	2,700		

Braided Polypropylene,
This rope is made of 100% monofilament fibers in a hollow braid. It floats on water, retains its strength when wet and may be stored wet without damage. There is a high resistance to abrasion, mildew, oil, grease, gasoline, marine growth and other chemicals. It is best for tie-downs, utility hand lines, pulling lines, ladder lines, and marine uses.

Part No.	Color	Length	Diameter	Reel Material	Tensile Strength Lbs	Quantity L1	Quantity L2
SRPB-1/4-500	Blue & White	500'	1/4"	Plastic	975		
SRPB-1/4	Blue & White	1,000'	1/4"	Plastic	975		
SRPB-1/4-3000	Blue & White	3,000'	1/4"	Plywood	975		

Twisted Polypropylene,
This rope is waterproof, floats and easy to handle. It is resists most chemicals, oil, gasoline and is resistant to color fading, abrasion and rot.

Part No.	Color	Length	Diameter	Reel Material	Tensile Strength Lbs	Quantity L1	Quantity L2
SRPT-04-1200BLK	Black	1,200'	1/4"	Plastic	1,120		
SRPT-04-600B	Blue & White	600'	1/4"	Plywood	1,120		
SRPT-06-300B	Blue & White	300'	3/8"	Plywood	1,450		
SRPT-06-600B	Blue & White	600'	3/8"	Plywood	1,450		
SRPT-08-300B	Blue & White	300'	1/2"	Plywood	3,780		
SRPT-08-600B	Blue & White	600'	1/2"	Plywood	3,780		
SRPT-12-300B	Blue & White	300'	3/4"	Plywood	7,650		
SRPT-1/4	Yellow	1,300'	1/4"	Plastic	1,130		
SRPT-3/8	Yellow	630'	3/8"	Plastic	2,440		
SRPT-5/16	Yellow	975'	5/16"	Plastic	1,710		
SRPT-1/2	Yellow	335'	1/2"	Plastic	3,780		

ROPE HANGER

Boshart's rope hangers provide an easy method of attaching the safety rope securely to the well casing. The installation of the well cap onto the well casing is unobstructed. They are installed at the top of the well casing and can be easily removed when the pump is serviced or replaced.
Accepts rope sizes: 1/4" to 3/8"

NO LEAD <0.25% Pb by weighted avg.

Part No.	Well Casing I.D.	Quantity L1	Quantity L2
STRH-6	6" or 6-1/4"	5	40

BOSHART INDUSTRIES

MECHANICAL SHAFT SEALS

Boshart's mechanical shaft seals are designed to provide a water tight seal between the pump housing and the motor shaft which drives the impeller.

Part No.	Seat Thickness	Shaft Size	Quantity L1	Quantity L2
SS-1000	0.344	0.625	54	270
SS-2000	0.406	0.625	54	270
SS-2010	0.406	0.750	54	270

CIRCULATOR COUPLING

Boshart's circulator couplings are easy to install and quiet when running. They have a long life and superior alignment capabilities. They are easier on the pump and motor, less rigidity puts less load on the bearings and seals.
H.P. rating 1/12 to 1/3

Part No.	Size	Quantity L1	Quantity L2
24-15	1/2"	25	200

NUT DRIVER

Boshart's nut driver has a flexible shaft and reversible socket.

Part No.	Size	Quantity L1	Quantity L2
28-FND	1/4" or 5/16"	100	

BOSHART INDUSTRIES

PIPE CUTTERS

Boshart's pipe cutters cut through POLY, PVC, PEX, ABS and CPVC pipe and conduit. They feature a latch for carrying in the closed position. All pipe cutters have a removable and replaceable stainless steel blade.

Part No.	Cuts Pipe Size	Material	Replacement Blade	Quantity L1	Quantity L2
28-PC-0110	Up to 1"	Metal,	28-PCRB-0110	12	72
28-PC-0112	Up to 1-1/4"	Metal,	28-PCRBA-0112	6	24
28-PC-0120	Up to 2"	Metal,	28-PCRBA-0120	6	24
28-PCP-0110	Up to 1"	Nylon,	28-PCPRB-0110	10	60

PIPE CUTTER REPLACEMENT BLADES

These are replacement blades for pipe cutters.

Part No.		Quantity L1	Quantity L2
28-PCRB-0110	For 28-PC-0110		
28-PCRBA-0112	For 28-PC-0112		
28-PCRBA-0120	For 28-PC-0120		
28-PCPRB-0110	For 28-PCP-0110		

CONTRACTOR BIN

Boshart's contractor bins are a great plastic storage tote with removable bins. They feature a clear lid with latches to secure contents.

Part No.		Quantity L1	Quantity L2
28-CBD-09	The bins in this contractor bin are deep, included are: • 3 bins are 6" x 4" x 3-1/2" • 6 bins are 4" x 3" x 3-1/2"	1	10
28-CBD-12	The bins in this contractor bin are deep, included are: • 12 bins are 4" x 3" x 3-1/2"		10
28-CBS-30	The bins in this contractor bin are shallow, included are: • 18 bins are 3" x 2" x 1-3/4" • 12 bins are 2" x 1-1/2" x 1-3/4"		16

Contact your sales rep for any further information
Toll Free: 1-800-561-3164
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