



DIAMOND®/SACHS®

Universal Messenger Drop Wire Clamp - CATV

The Universal Messenger Drop Wire Clamp is uniquely designed to accept series 59, 6 and 7 messengered coax cable with messenger of up to .072" diameter*. It may be mounted on the Sachs® Omni House Hook, SCO3 Span Clamp, P House Hook or any clamp/hook or functional equivalent by means of the large eye bailwire. Messenger cable is secured within the clamp by means of a simple wrapping technique.

DESIGN FEATURES

- Channel shaped body with large diameter rolled "nose" section, helps protect coax cable from strain and abrasion
- Combination of body design and wrapping technique allows installer to securely "dead end" messenger without risking breakage even under high tensile loads (225 lb min rating)
- Stainless steel bailwire insures a strong corrosion resistant, worry-free connection of messengered cable.
- Folded edges on all sections of the body reduce the possibility of damage to coax cable or messenger jacket and reduce possible installer injury
- Aluminum body and stainless steel bailwire guarantee a corrosion free service life

INSTALLATION

1. Separate about 15" of messenger from coax cable. (Bailwire can be used as an aid)
2. Wrap messenger around large rolled "nose" of clamp and through bailwire
3. Pull messenger tight against body, then make second wrap in "L" shaped slot
4. Continue to wrap messenger twice around the body
5. Feed messenger out end of clamp and cut away excess protruding beyond the end of the clamp body

Notes:

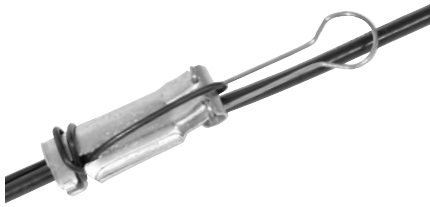
1. At the "house end" of drop the sag and tensioning of the drop can be adjusted while performing step 2. above
2. * Cable using .072" diameter messenger must be malleable enough to allow the tight wrapping techniques required

ORDERING INFORMATION

Catalog Number	Description	Packaging
SC02MFA-SS	Universal Messenger Drop Wire Clamp	125 per box



Universal Messenger Drop Wire Clamp



- Permits cable to “float” free, fully protected from strain and chafing.
- Drop clamp for the suspension of a messengered drop cable between the pole, midspan and house.
- For use with series 59, 6, 6QS and 7 messengered cable
- Stainless steel bail wire and aluminum body.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC02MFA-SS	Universal Messenger Drop Wire Clamp	-	125

Coaxial Messenger Cable Drop Clamp SC02MFA-SS

Installation:

1. Begin separation of the messenger wire from the cable using the end-edge of the SC02MFA-SS Drop Clamp.

Note: Never use a knife or other sharp tool to separate messenger & cable.

2. Fit the cable and messenger wire into the SC02MFA-SS Drop Clamp as shown, so that the Clamp Bail is between the two.
3. Grasp the separated end of the messenger and cable with one hand and grip the Clamp Body, as shown, with your other hand. Then, pull the SC02MFA-SS back, in a straight line, separating the length of messenger wire needed to make the wrap; about 15 to 18-inches.

4. Pull the messenger wire around the center of the bearing surface as shown, toward the rear or drop-side of the Clamp.

Note: If at the house end of the drop, this will be done while tensioning or “sagging” the drop.

5. Serve the messenger wire through the “L” Slots and begin the wrap about the SC02MFA-SS body, as shown.
6. Continue the messenger wire wrap for two full turns.
7. Serve the messenger wire through the “L” Slot, as shown, to the drop-side of the SC02MFA-SS and cut the excess wire away, or ground it to the strand.

Note: For drop cable with larger messenger wire, one wrap is sufficient. Serve the end of the wire around the end of the SC02MFA-SS and bring it back up the “L” Slots, then cut away the excess, or ground it to the strand.

Fig. 1

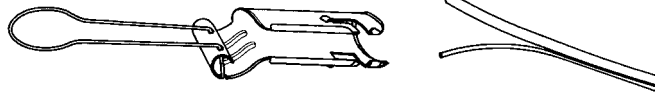


Fig. 2

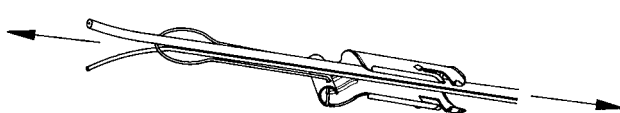


Fig. 3

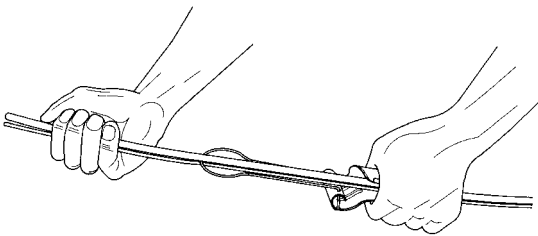


Fig. 4

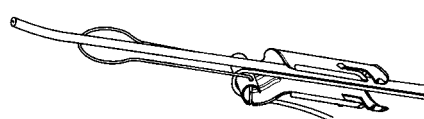


Fig. 5



Fig. 6

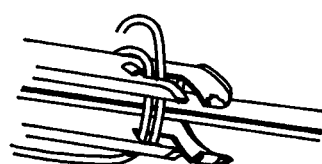
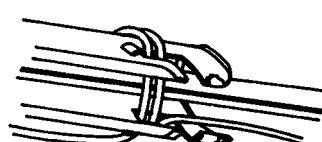


Fig. 7



Drop Wire Clamps (Telephone)



- Used to support both ends of telephone drop, at strand and building.
- Suitable for 1-2 pair .200" max. height and .410' max. width.
- 6 pair version: .300" max. height and .500" max. width.
- Stainless steel bailwire on all versions.
- Bell packaging available.

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	PAIR	SHIM TYPE	INNER PACK	OUTER PACK
23-44441	Drop Wire Clamp	Aluminum	1-2	serrated	-	500
23-44442	Drop Wire Clamp	Aluminum	1-2	plastic	-	500
23-44444	Drop Wire Clamp	Aluminum	1-2	serrated	25	500
23-44445	Drop Wire Clamp	Aluminum	1-2	serrated	2	250
23-44454	Drop Wire Clamp	Aluminum	1-2	serrated	25	500
23-82351	Drop Wire Clamp	Aluminum	6	dimpled	25	150
23-86651	Drop Wire Clamp	Stainless Steel	6	dimpled	50	300
23-88881	Drop Wire Clamp	Stainless Steel	1-2	serrated	25	500
23-88885	Drop Wire Clamp	Stainless Steel	1-2	serrated	2	250
23-88888	Drop Wire Clamp	Stainless Steel	1-2	serrated	25	500

Telephone Drop Wire Clamp Installation

1. Lay cable in shell.
2. Place shim on top of cable with raised embossings against cable.
3. Insert wedge in shell (on top of shim) and pull to engage. (Small end of wedge should be initially engaged in track of large end of shell).
4. Place bailwire on "B" drop wire hook (ram's horn) with wedge loose. Pull drop wire through clamp until proper sidewalk/alley clearance is achieved.
5. Grasp clamp (bailwire still on ram's horn) and pull tightly to secure.

Fig. 1

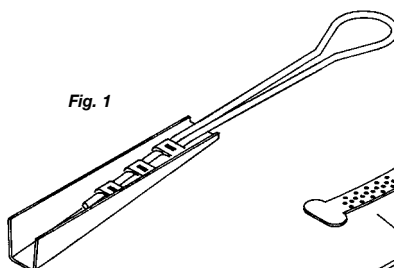


Fig. 2

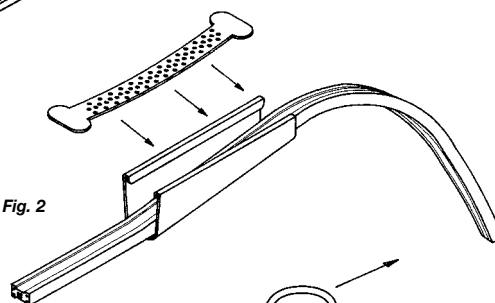
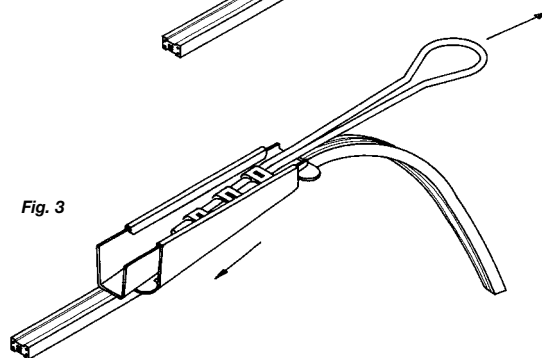


Fig. 3



Q Span Clamp

- Provides drop wire take offs at mid-span
- Steel components mechanically galvanized ASTM B695

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	CLAMP RANGE	PIGTAIL DIA	INNER PACK	OUTER PACK
27-00185	Q span clamp	Steel	1/4"-7/16"	1/4"	-	100

O Span Clamp

- Provides drop wire take offs at mid-span
- Steel components mechanically galvanized ASTM B695

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	CLAMP RANGE	PIGTAIL DIA	INNER PACK	OUTER PACK
27-00860	O span clamp	Plates - Aluminum Pigtail - Steel	1/4"-3/8"	3/8"	-	50

E Span Clamp

- Provides drop wire take offs at mid-span
- Steel components mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	CLAMP RANGE	PIGTAIL DIA	INNER PACK	OUTER PACK
27-00865	E span clamp	Steel	1/4"-7/16"	3/8"	5	100

C Span Clamp

- Provides drop wire take offs at mid-span
- Steel components mechanically galvanized ASTM B695

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	CLAMP RANGE	PIGTAIL DIA	INNER PACK	OUTER PACK
27-00869	C span clamp	Plates - Aluminum Hook - Steel	1/4"-3/8"	3/8"	-	50

Figure 8 Span Clamp

- Provides drop wire take offs at mid-span
- Steel components mechanically galvanized ASTM B695

Ordering Information

CATALOG NUMBER	DESCRIPTION	MATERIAL	CLAMP RANGE	PIGTAIL DIA	INNER PACK	OUTER PACK
28-09800	Fig 8 (.109-.134")	Plates - Aluminum Hook - Steel	1/4"-7/16"	3/8"	-	50
28-09850	Fig 8 (.148"-.250")	Plates - Aluminum Hook - Steel	1/4"-7/16"	3/8"	-	25

Span Clamps

Econospan Span Clamp



- Multi directional clamp for messengered and non-messengered drop cable used for dead-end or mid-span application.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC03E	Clamp will accept 1/4" (6.6 MM) steel strand	-	100

1/4" Strand Span Clamp



- Span clamp used on steel strand, building riser to relieve stress on drop cable bend.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC03E-4E	1/4" steel strand application	-	75

Multi-Directional Span Clamp



- Multi-directional span clamp used for drop cables at mid-span location.
- Unique claw design locks in between steel strand lays to prevent rotation.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	HOOK LOAD CAPACITY	INNER PACK	OUTER PACK
SC03-1	Single pigtail hook for 1/4" steel strand	400 lbs	-	100

Figure 8 Ram's Horn Span Clamp



- Span clamp with a rams horn drop hook provides drop cable takeoffs at mid-span. Suitable for fig. 8 integrated messenger cable or steel strand.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	LOAD CAPACITY	INNER PACK	OUTER PACK
SC08-1	For .109" to .188" messenger wire	700 lbs.	-	100

One Hole Clamps



- Used to support cable, conduit or pipe.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	SIZE	PIPE OR CABLE SIZE	STOCK SIZE	HOLE DIA.	INNER PACK	OUTER PACK
24-80003	one hole clamp	L3	3/16"	.035" x 1/2"	7/32"	500	7500
24-80004	one hole clamp	L4	1/4"	.035" x 1/2"	7/32"	500	5000
24-80005	one hole clamp	L5	5/16"	.035" x 1/2"	7/32"	500	5000
24-80006	one hole clamp	L6	3/8"	.048" x 1/2"	7/32"	500	5000
24-80008	one hole clamp	L8	1/2"	.048" x 1/2"	7/32"	-	500
24-80009	one hole clamp	L9	9/16"	.048" x 1/2"	7/32"	-	500
24-80010	one hole clamp	L10	5/8"	.048" x 1/2"	7/32"	-	500
24-80012	one hole clamp	L12	3/4"	.062" x 11/16"	9/32"	-	500
24-80016	one hole clamp	L16	1"	.080" x 3/4"	9/32"	-	250
24-80018	one hole clamp	L18	1-1/8"	.080" x 3/4"	9/32"	-	250
24-80020	one hole clamp	L20	1-1/4"	.115" x 7/8"	9/32"	-	100

One Hole Offset Clamps



- Used to secure telephone cable runs.
- Offset provides a grip on multi-size cable.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	CABLE SIZE	STOCK SIZE	HOLE DIA.	INNER PACK	OUTER PACK
23-80405	1/4" - 5/16"	.048" x 5/16"	9/64"	500	7500
23-80406	5/16" - 3/8"	.048" x 1/2"	7/32"	500	5000

Two Hole Clamps



Two Hole Clamp

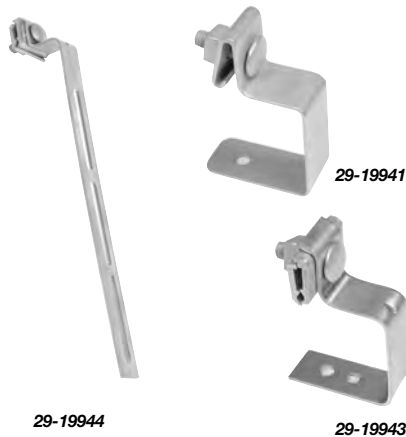
- Used to support cable, conduit or pipe.
- Offset provides a grip on multi-size cable.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	SIZE	PIPE OR CABLE SIZE	STOCK SIZE	HOLE DIA.	INNER PACK	OUTER PACK
25-80100	two hole clamp	#10	5/8"	.048" x 1/2"	7/32"	-	500
25-80120	two hole clamp	#12	3/4"	.062" x 11/16"	9/32"	-	250
25-80140	two hole clamp	#14	7/8"	.062" x 11/16"	9/32"	-	250
25-80160	two hole clamp	#16	1"	.080" x 3/4"	9/32"	-	300
25-80200	two hole clamp	#20	1-1/4"	1/8" x 7/8"	9/32"	-	100
25-80260	two hole clamp	#26	1-5/8"	1/8" x 7/8"	9/32"	-	50
25-80300	two hole clamp	#30	1-7/8"	1/8" x 7/8"	9/32"	-	50
25-80360	two hole clamp	#36	2-1/4"	1/8" x 1"	11/32"	-	75
25-80400	two hole clamp	#40	2-1/2"	1/8" x 1"	11/32"	-	50

ADDITIONAL PRODUCTS AND SIZES AVAILABLE FROM THOMAS & BETTS - CONTACT CUSTOMER SERVICE FOR MORE INFORMATION.

Tap Brackets



- Used to secure tap to strand.
- One piece steel snap-on version mechanically galvanized ASTM B695 for 1/4" strand only.
- Standard tap bracket and extension bracket are aluminum. Both have 1/4" to 3/8" strand clamping range.
- Square hole in standard aluminum tap bracket mounts Diamond trap sleeve brackets. ("W" brackets).

Ordering Information

CATALOG NUMBER	DESCRIPTION	CLEARANCE BETWEEN STRAND & TAP	LOAD CAPACITY (LBS) (MINIMAL DEFLECTION)	INNER PACK	OUTER PACK
29-19941	Steel snap-on tap bracket	2-1/2"	40	-	25
29-19943	Aluminum tap bracket (standard)	2-1/2"	30	-	25
29-19944	Aluminum extension bracket	3" to 9"	25	-	25

Tap Bracket with Common Ground



- Tap bracket used to secure a tap to the steel strand and provide a means to bond up to eight messengered drop cables.
- Firm and positive grip with no rotation or sliding on steel strand.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC23CGS-2	2" horiz. mounting with 4 common grounds	-	32
SC23CGS-4	4" horiz. mounting with 8 common grounds	-	32

Tap Bracket Vertical Mount



- Tap bracket used to secure a tap to the steel strand.
- Firm and positive grip with no rotation or sliding on steel strand.
- Stopper at multi-tap attachment prevents part rotation.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC23PV-2	2" vertical mount (fig. 8 application)	-	32
SC23PV-4	4" vertical mount (fig. 8 application)	-	32

Tap Bracket Horizontal Mount



- Tap bracket used to secure a tap to the steel strand.
- Firm and positive grip with no rotation or sliding on steel strand.
- Stopper at multi-tap attachment.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC23PS-2	2" horizontal mount	-	32
SC23PS-4	4" horizontal mount	-	32

Drop Wire Bracket

- Mechanically galvanized steel ASTM B695.
- Mast capacity 2-1/2" to 3" diameter.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
40-00540	Drop wire bracket	-	50

House Bracket

- Multi-dwelling drop cable bracket.
- Attach to building with drive screws or wood screws (1/4" dia.).
- Attach insulator in 7/16" dia. mounting hole.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
40-00200	House bracket 1-3/4" wide x 3-1/2" high x 3" horizontal leg.	-	50

Corner Wall Bracket

- Corner wall bracket used to dead-end a messenger drop cable or a steel strand at the building.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC53-1	For steel strand MDU riser	-	50
SC53-2	For messengered drop cable with .051" to .072" steel messenger wire	-	50



DIAMOND®/SACHS®

Omni House Hook

The “Omni” House Hook provides a convenient wrap point for securing messenger cable. It permits secure, safe termination of drop wire without a drop wire clamp (using 2-4-2 or 3-6-3 wrap techniques). The “Omni” House Hook can also be used to secure the Diamond/Sachs SC02MFA drop wire clamp. The hook’s larger diameter ensures minimum bend radius and helps eliminate possible messenger failure or breakage. The Omni House Hook is used for dead-ending messengered drop cable at the house or to help keep the steel messenger cable intact for bonding at the ground block.

DESIGN FEATURES

- Heavy duty steel wire diameter shank with wood screw thread will withstand 250 lb. tensile load
- Tab on cup washer provides a retainer for steel messenger wire and keeps it intact for bonding at the ground block
- Tab or retainer also provides a 1" diameter wrap for messenger
- Square shank design prevents rotation upon torque
- Mechanically galvanized to ASTM B695 for a prolonged service life
- Original industry accepted design

INSTALLATION

1. Ensure that wood surface is solid and intact. Screw shank fully into wood surface. Use an awl to start the hole if wood is hard. Pre-drill hole and use a screw anchor if installing in masonry.
2. **Dead-End Applications (Termination of Messenger Wire)**
Strip about 12" of messenger from coaxial cable and wrap twice around washers. Continue wrapping messenger twice around washer “tab” and trim excess.
3. **Messenger Wire Continuation (for Ground Block)**
Carefully separate about 15" of messenger away from coaxial cable. Avoid cutting into the messenger wire or cable jacket. Wrap messenger twice around washers and then twice around the “tab”. Run messengered coaxial cable down house and terminate at ground block.

ORDERING INFORMATION

Catalog Number	Description	Packaging
SC26-1	Omni house hook hook directional single retainer	100 per box

**Drop Wire Hook
(Ram's Horn)**

- Used to attach bail wire type drop wire clamp to building.
- Mechanically galvanized ASTM B695.

Ordering Information

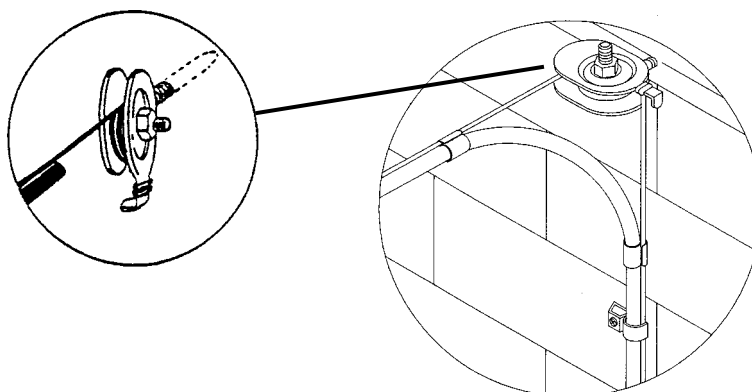
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
30-01732	Ram's Horn type drop wire hook	50	600

“OMNI” House Hook

- Omni house hook used to dead-end a messengered drop cable at the house.
- Retainer provides a 1" diameter wrap to messenger steel wire keeping the messenger intact for bonding at the ground block.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC26-1	Omni directional single retainer	-	100

**“P” House Hook**

- Used to secure coaxial cable drop installations at the building.
- Accepts bailwire dropwire clamps, wire grips or messenger wraps.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	OVERALL LENGTH	INNER PACK	OUTER PACK
31-00809	Regular house hook	3-3/4"	-	200
31-10809	Long house hook	4-1/2"	-	200

Dead End Strap

- Dead-end strap made of high quality G90 pre-galvanized steel used to dead-end a drop cable at the house service mast.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC11-1	From 1" to 4" diameter mast	-	100

Bridle Rings



- Used to support cable runs and electrical wiring.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	STYLE	EYE DIA.	THREAD SIZE	MAX. LOAD	INNER PACK	OUTER PACK
31-00810	Wood Screw Bridle Ring	A	1-5/8"	#14	75 lbs.	-	100
31-00812	Wood Screw Bridle Ring	C	1-1/4"	#14	75 lbs.	-	100
31-00816	Wood Screw Bridle Ring	F	3"	#18	75 lbs.	-	100
31-00819	Wood Screw Bridle Ring	G	7/8"	#10	50 lbs.	25	100
31-00821	Machine Screw Bridle Ring	K	3/4"	#10-24	50 lbs.	100	1000
31-00823	Machine Screw Bridle Ring	M	1-1/4"	#10-24	50 lbs.	-	100
31-00827	Machine Screw Bridle Ring	R	1-5/8"	#10-24	50 lbs.	-	100

Insulated Screw Eye



- Used to support and protect drop wire runs from abrasion.
- Porcelain ring has a 9/32" diagonal opening.
- Shank mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	EYE SIZE	OVERALL LENGTH	SHANK LENGTH	THREAD SIZE	INNER PACK	OUTER PACK
32-00830	Insulated screw eye	5/8"S	2-7/8"	1-1/4"	#10	-	100
32-00831	Insulated screw eye	5/8"L	3-3/4"	2-1/8"	#10	-	100
32-00832	Insulated screw eye	1"S	3-7/8"	1-3/4"	#14	-	100

Angle Screw Fixture



- Used to support and insulate telephone drop wire runs.
- Attach specified porcelain knob (not supplied) and secure with nut.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	WOOD SCREW DIA.	SHANK DIA. LENGTH	MACHINE THREAD LENGTH	INSULATOR SHANK LENGTH	INNER PACK	OUTER PACK
33-00840	Angle screw fixture	5/16" (18)	9/32" x 2-1/4"	1"	1-1/2"	-	100

Drive Screw



- Used to secure attachments to wooden surfaces.
- 3/8" square head
- Screw has pilot point and fether thread.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	SIZE	INNER PACK	OUTER PACK
28-03006	Drive screw	1/4" x 2-1/2"	50	1200
28-00013	Drive screw	3/8" x 4"	50	500

Cable Clips & Ties

**"S" Cable Clip
Telephone**

- Used to secure telephone drip loop to "B" drop wire hook (Ram's horn).
- Ribs provide positive grip on drop wire.
- Aluminum "S" clip to be secured with lineman's pliers.

Ordering Information

CATALOG NUMBER	DESCRIPTION	MAX. CABLE SIZE	INNER PACK	OUTER PACK
23-80366	1-2 pr. "S" clip	.160" x .300"	25	500
23-80262	6 pr. "S" clip	.300" x .500"	-	500

**"S" Cable Clip
Coaxial**

- Used to prevent separation of two cables or a messenger steel wire from a drop cable.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC10-1	Made of soft aluminum for easy finger forming Accepts up to Series 7 cable	-	500

Dual Cable Clip

- Secures dual coaxial cable and telephone six pair cable runs.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
22-12121	Dual Cable Clip Series 6	500	5000
22-12127	Dual Cable Clip Series 7	500	5000

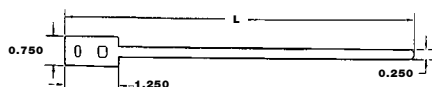
Cable Tie

- Reusable strap with integral buckle made of malleable aluminum, corrosion resistant, used to support drop cables on the strand, pedestal, lock box and along the wall.
- No sharp edges to cut hands or damage cable.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC053-1	7" long, 1/4" band	-	50
SC053-2	10" long, 1/4" band	-	50

NOTE: SEE PAGES 36-46 FASTENING HARDWARE SECTION FOR ADDITIONAL T&B CABLE TIES.



“E” Drop Wire Clamp

- Used to secure telephone drop wire cable runs
- Mechanically galvanized ASTM B695.
- Transverse ribs grip cable to prevent abrasion.

Ordering Information

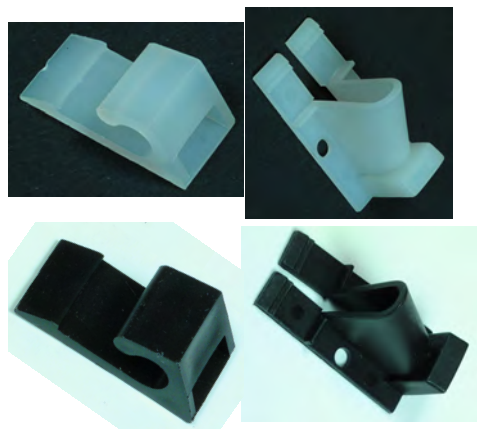
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
23-80361	“E” DWC one pair, steel	50	2000
23-80370	“E” DWC two pair, steel	50	2000
23-83361	“E” DWC six pair, steel	50	2000
40-80365	“E” DWC, coax, aluminum (no ribs)	-	500

“U” Cable Clip

- Pre-formed aluminum cable clip used to secure drop cables and ground wires to either wood or masonry surfaces using self-tapping screws.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC19-1	U cable clip - 6mm	500	10000
SC20-1	For Series 6 cable	500	10000
SC21-1	For #12 or #14 AWG ground wire	500	10000
SC22-1	U cable clip 10mm	400	8000

Siding Clips

- Secures coaxial cable runs to aluminum, vinyl or steel siding.
- High density UV stabilized outdoor polypropylene.
- Available in natural (clear) or black.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
12-01501	Horizontal / Black TVCG-1	100	1000
12-01401	Horizontal / Natural TVCG-1	100	1000
12-01502	Vertical / Black TVCG-2	100	1000
12-01402	Vertical / Natural TVCG-2	100	1000

Feed Thru Bushing

- Protects coaxial cable entry into subscriber's building.
- Available in black or natural (clear).
- High density UV stabilized outdoor polypropylene.

Ordering Information

CATALOG NUMBER	DESCRIPTION	COLOR	CABLE SIZE	INNER PACK	OUTER PACK
34-08052	Feed thru bushing	Black	Series 6, 6Q	100	1000
34-08053	Feed thru bushing	Natural	Series 6, 6Q	100	1000



DIAMOND®/SACHS®

Screw and Snap® Clips

Screw and Snap® clip dispensers, can “cut installation time by up to one half” that of traditional loose screw clip methods. The plastic dispenser holds a strip of 10 connected clips with hardened Phillips hex washer head screws. The unique features of Screw and Snap clips help to eliminate lost clips and reduce inventory shrinkage. Screw and Snap clips can be used to attach cable to wood, masonry and even light concrete (with a drilled .138" pilot required)*.

*Note: a Diamond®/Sachs® plastic screw anchor, p/n 12-08210 may be required.

DESIGN FEATURES

- Screws are mechanically galvanized for extended rust protection – will withstand 500 hours in salt fog testing (in accordance with ASTM B117)
- Clips are made of a high quality, rust free aluminum
- Clips are scored to facilitate clean and easy separation from strip
- Plastic grommet holds screw firmly in place and prevents torquing during installation
- Plastic dispenser sleeve protects ganged clips prior to installation and prevents clips from spinning when installed with a power drill – right down to the last clip!!!
- Clips can be advanced one at a time from the dispenser for ease of installation and elimination of waste
- Size is stamped on each clip assuring the use of the correct size for the cable type
- Properly selected clip size will effectively hold the cable and prevent physical cable distortion



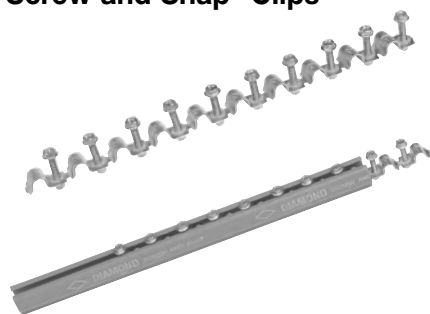
INSTALLATION

1. Insert strip into dispenser
2. Advance a single clip so that it extends beyond dispenser
3. Position clip on coaxial cable
4. Drive screw flush with surface
5. Snap off installed clip with approximately 3 “up and down” movements of dispenser. Do not tear off or use a side to side motion

ORDERING INFORMATION

Catalog Number	Screw Size	Cable Size	Packaging
24-88013	#8 x 3/4"	Series 6	30 clips & one plastic clip dispenser per box
24-88014	#8 x 3/4"	Series 59	
24-88016	#8 x 3/4"	10-14 AWG	
24-88017	#8 x 3/4"	Series 6Q	
24-88026	#8 x 3/4"	Series 7	
24-88027	#8 x 3/4"	Series 11	

Screw and Snap® Clips



- Used to secure coaxial cable and ground wire runs to wood, masonry, stucco, brick or concrete.
- For concrete or brick drill .138" pilot hole. Screw will cut threads in hole.
- Convenient strips of ten clips snap off after installation.
- Cable size stamped on clips (aluminum).
- Screw hardened and treated for 500 hour salt spray resistance. ASTM B117.
- Plastic plugs secure screws to strip and prevent torquing.
- Handy holder included in every 30 strip carton.

Ordering Information

CATALOG NUMBER	DESCRIPTION	SCREW SIZE	CABLE SIZE	INNER PACK	OUTER PACK
24-88013	Screw & snap clips	#8 x 3/4"	Series 6	30	300
24-88014	Screw & snap clips	#8 x 3/4"	Series 59	30	300
24-88016	Screw & snap clips	#8 x 3/4"	10-14 AWG	30	300
24-88017	Screw & snap clips	#8 x 3/4"	Series 6Q	30	300
24-88026	Screw & snap clips	#8 x 3/4"	Series 7	30	300
24-88027	Screw & snap clips	#8 x 3/4"	Series 11	30	300

SAXXIT® Cable Clip



- "Galvalume" steel cable clip used on concrete, mortar, stucco or wood with a PRE-INSERTED SELF-TAPPING SCREW or a DRIVE PIN.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC16-19	For 6 mm cable with no. 8 x 1" screw 1/4" hex head indented "Phillips"	250	5000
SC16-26	For 7 mm cable with no. 8 x 1" screw 1/4" hex head indented "Phillips"	250	5000
SC16P-26BLACK	Same as above, painted black	250	5000
SC16P-26WHITE	Same as above, painted white	250	5000
SC16-3Q	For 8 mm cable with no. 8 x 1" screw 1/4" hex head indented "Phillips"	250	5000
SC16-411	For 10 mm cable with no. 8 x 1" screw 1/4" hex head indented "Phillips"	250	5000
SC16DP-19	For 6 mm cable with a 1" drive pin	250	5000
SC16DP-26	For 7 mm cable with a 1" drive pin	250	5000
SC16DP-3Q	For 8 mm cable with a 1" drive pin	250	5000

SAXXON® Cable Clip



- "Galvalume" steel cable clip used on wood, stucco or mortar with a 1" hardened PRE-INSERTED NAIL.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC18-19	For 6 mm cable	500	10000
SC18-26	For 7 mm cable	500	10000
SC18P-26WHITE	Same as above, painted white	500	10000
SC18P-26BLACK	Same as above, painted black	500	10000
SC18-3Q	For 8 mm cable	500	10000
SC18L-19	For 6 mm cable with 1.625" hardened nail	500	10000
SC18L-26	For 7 mm cable with 1.625" hardened nail	500	10000
SC18L-3Q	For 8 mm cable with 1.625" hardened nail	500	10000

Drive Rings

- Used to support cable runs and electrical wiring.
- Mechanically galvanized steel ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	EYE SIZE	MAX. LOAD (LBS)	INNER PACK	OUTER PACK
30-00801	Drive Ring	1/2"	50	50	2500
30-00804	Drive Ring	5/8"	75	25	1000
30-00805	Drive Ring	7/8"	100	25	500
30-00807	Drive Ring	1-1/4"	125	25	250
30-01804	Long Drive Ring	5/8"	75	25	1000
30-01805*	Long Drive Ring	7/8"L	100	25	500
30-01807*	Long Drive Ring	1-1/4"L	125	25	500

* THESE SIZES HAVE LONGER NAILS FOR GREATER LOAD CARRYING CAPACITY.
BELL PACKAGING AVAILABLE.

Drive Rings

- Drive ring used for guiding cables.
- May be used at the pole or at the house.
- Double crimped loop on concrete nail facilitates installation.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC17-1	5/8" ring with 2-1/4" concrete nail	-	250

Wire Loops
Wire Loop Drive Pins

- Used to attach drop wire runs to masonry with wire loop drive pins.
- Wire loops mechanically galvanized steel ASTM B695.
- Wire loop drive pins zinc plated steel ASTM B633.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
15-00120	Wire Loop 1/2"	100	1000
15-00121	Wire Loop 5/8"	100	1500
15-00122	Wire Loop 7/8"	100	1000
15-00123	Wire Loop 1-1/4"	100	1000
15-10101	Wire loop drive pin 1-1/2" long	100	1500
15-10102	Wire loop drive pin 1-3/4" long	100	1500

Drive Pins



- Used to secure clamps to masonry surface.
- Zinc plated steel ASTM B633.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
15-10040	1/4" head x 1/2" long, drive pin metal washer	100	1500
15-10041	1/4" head x 3/4" long, drive pin metal washer	100	1500
15-10042	1/4" head x 1" long, drive pin metal washer	100	1500
15-10043	1/4" head x 1-1/4" long, drive pin metal washer	100	1500
15-10044	1/4" head x 1-1/2" long, drive pin metal washer	100	1500
15-10045	1/4" head x 2" long, drive pin metal washer	100	1000
15-10046	1/4" head x 2-1/2" long, drive pin metal washer	100	1500

WARNING: Do NOT USE IN POWDER ACTUATED TOOLS.

BELL PACKAGING AVAILABLE.

Hammer Drive Tool



- Used to install drive pins in masonry.
- Tapered barrel retains drive pin washer prior to installation.
- Vinyl guard protects installers hand.
- Black oxide finish on heat treated steel barrel.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
15-11111	Hammer drive tool	1	25

Lashed Cable Supports



Installation

1. Measure diameter or circumference of bundle (Fig. 1).
2. Use table to determine strap length.
3. Thread strap through spacer slot (Fig. 2).
4. Wrap strap around bundle (strand, spacer, cables) then through buckle twice, pulling each wrap tight. (Fig. 3).
5. Strap end should be doubled under itself (about 1.5") before making final pass through buckle. Trim off excess (Fig. 4).
6. Bend doubled thickness over top of buckle to prevent unravelling (Fig. 5).

Note: In cable TV installation straps should not be too tight, they may restrict cable movement during contraction and expansion and possibly damage cable.

- Used to strap coaxial and telephone cable to strand.
- Available in 430 stainless steel or special zinc alloy in 3/4" width.
- Edges are processed to remove raised and projecting metal. Edges are smooth and free from burrs.

Ordering Information

CATALOG NUMBER		LENGTH	DIA.	BUNDLE CIRCUMFERENCE	INNER PACK	OUTER PACK
ZINC	STAINLESS STEEL					
34-08911	34-08912	10"	1.2"	3.8"	-	500
34-08921	34-08922	16"	2"	6.3"	-	500
34-08931	34-08932	22"	3"	9.4"	-	300
34-08941	34-08942	28"	4"	12.6"	-	300
34-08951	34-08952	34"	5"	15.7"	-	300

Fig. 1

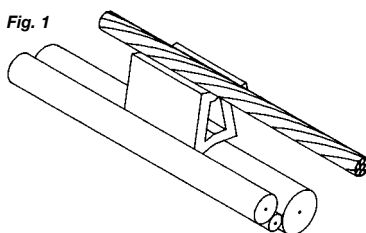


Fig. 2

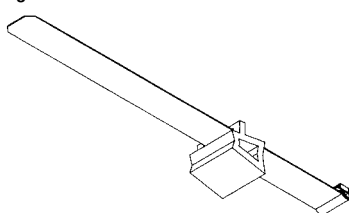


Fig. 3

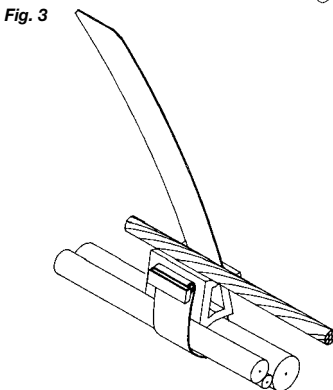


Fig. 4

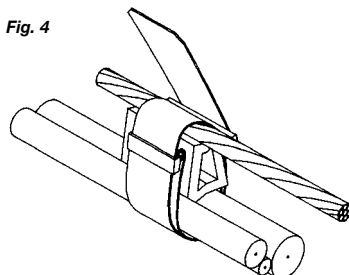
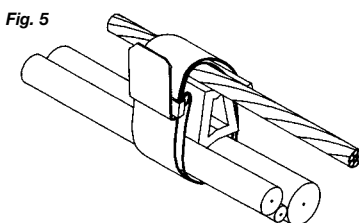
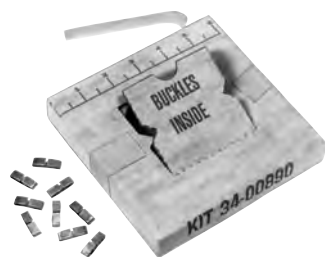


Fig. 5



Lashed Cable Support Kit



- Used to strap coaxial or telephone cable to strand.
- Kit contains 100 ft. 430 stainless steel strapping & 75 steel buckles.
- Kit makes 75 straps 16" average length.
- Cut to desired length & secure to buckle.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
34-00890	3/4" wide stainless steel strap and 75 buckles	1	10

Plastic Cable Spacer



- High density outdoor polyethylene with U.V. inhibitors.
- Bell type.
- Provides separation between aerial cable and messenger.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
34-08850	1/2" Spacer	100	1000
34-08875	3/4" Spacer	-	1000

NOTE: SEE PAGE 49 FOR INFORMATION ON DELTEC® CABLE SPACERS AND THE DELTEC® CABLE SUPPORT SYSTEM

Support Strap



- Reusable support strap with integral buckle made of malleable aluminum fire retardant. Used to bundle telephone, coaxial and fiber cable at the steel strand.
- Safe to use, no sharp edges to cut hands or cables.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC05-1	10" long, 3/4" band	-	500
SC06-1	16" long, 3/4" band	-	500

EACH WRAP OF STRAP WILL SUPPORT 125 LBS OF STATIC LOAD (2 WRAPS = 250 LBS, ETC.).

DIAMOND®/SACHS®

“D” Lashing Clamp

The many unique features of the Diamond®/Sachs® “D” Lashing Clamp have made it the standard for the communications industry. It is used in aerial construction to secure lashing wire terminations at any interruption to cable span continuity or end of lashing wire coil.

DESIGN FEATURES

- Custom contoured hot rolled high tensile strength steel clamp plates (min 80,000 psi)
- Clamp plates assure a positive non slip grip on 1/4" (6.6M) to 7/16" (16M) messenger strand
- Stress relieved steel stud (3,000 lb. tensile strength) will endure up to 30° bending upon 120 lb. in. torque up without fracturing
- Large diameter, heavy duty steel washers assure permanent attachment of the lashing wire
- Square shank on the stud fits a square hole in the clamping plates to prevent rotation when the nut is tightened
- Mechanically galvanized to ASTM B695 specification for a long corrosion free service life which meets or exceeds industry and Bellcore requirements
- Weather Buster™ secondary finish application available to enhance corrosion resistance.
- REA accepted

INSTALLATION

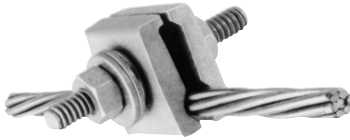
1. Orient groove of clamp plates over strand
2. Cross lashing wire over top of strand placing it between stud collar and first washer. Then wrap 1/2 turn around stud
3. Tighten nut to 120 lb. in torque
4. Do not wrap lashing wire 360 around stud and avoid pinching lashing wire which may cause premature failure
5. Tuck free end of lashing wire into clamp to prevent injury
6. If over-lashing, repeat steps 2 and 3 except place second lashing wire between two flat washers

ORDERING INFORMATION

Catalog Number	Description	Packaging
26-09010	“D” Lashing Clamp	100 per box



Lashing Clamps



- Used to secure lashing wire terminations.
- Mechanically galvanized ASTM B695.
- 1/4" - 7/16" clamp range.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
26-09010	D Lashing clamp	-	100
26-09020	E Lashing clamp	-	100

Crossover Clamp



- Used at intersection of two 1/4" strands to prevent abrasion.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
29-09970	Crossover clamp	-	25

Figure 8 Three Bolt Suspension Clamp

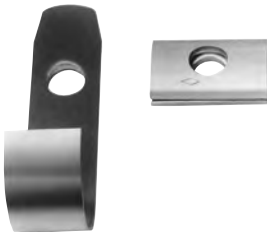


- Used to secure figure 8 cable to pole.
- Center hole accommodates 1/2" or 5/8" dia. machine bolt.
- Clamp plates aluminum alloy.
- Steel bolts mechanically galvanized ASTM B695.
- Eliminates need to strip messenger.

Ordering Information

CATALOG NUMBER	DESCRIPTION	MESSENGER SIZE RANGE	INNER PACK	OUTER PACK
28-09610	Figure 8 three bolt suspension clamp	.109" - .134"	-	25
28-09615	Figure 8 three bolt suspension clamp	.148" - .250"	-	20

Figure 8 Tangent Support Clamps & J Hook



- Used to secure figure 8 cable to pole.
- Clamp plates and J hook aluminum alloy.
- Eliminates need to strip messenger.

Ordering Information

CATALOG NUMBER	DESCRIPTION	THRU BOLT HOLE SIZE	MESSENGER SIZE RANGE	INNER PACK	OUTER PACK
28-09500	Tangent support clamp	5/8"	.148"-.250"	-	25
28-09600	Tangent support clamp	1/2"	.109"-.134"	-	25
28-19651	Tangent support clamp	5/8"	.109"-.134"	-	25

J Hooks



Ordering Information

CATALOG NUMBER	DESCRIPTION	THRU BOLT HOLE SIZE	MESSENGER SIZE RANGE	INNER PACK	OUTER PACK
45-90003	J Hook 5" LG. (T-960-5)	5/8"	—	-	50

Fiber Optic Rack Hanger

- Secures F.O. storage devices (snow shoes) to strand.
- For 1/4" - 7/16" strand.
- Aluminum bracket.
- Steel ASTM B695 clamp plates.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
29-19945	Fiber optic rack hanger	-	25

Dead-End Bracket

- Dead-end bracket used to apply tension to steel strand building riser and to provide a means to dead-end a guy strand.
- Mechanically galvanized ASTM B695.
- 1,000 lb. load capacity.

Ordering Information

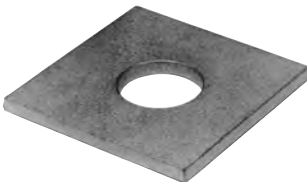
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC44-1	5/16" diameter hook with 2-3/4" tension adjustment	-	25

Drive Hook

- Used to support bail-type drop wire clamps to poles.
- Galvanized to ASTM A153 or B695.
- Fetter drive threads.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
40-43007	7/16" diameter x 4-3/4" long	-	100
40-43008	5/16" diameter x 3-1/2" long	-	200

Square Washers

- Supports bolt head or nut of machine bolt.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
28-03004	5/8" bolt size x 2-1/4" square x 3/16" thickness	-	100
28-03005	3/4" bolt size x 2-1/4" square x 3/16" thickness	-	100

Aerial Cable Damper



- Aluminum alloy
- Designed to use the force of wind to aerodynamically reduce oscillation of cable.
- Supplied with special heavy duty lashed cable supports and "D" lashing clamps to secure to strand.
- Assembly instructions provided.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
28-80001	Aerial cable damper	-	5

Aerial Cable Damper (A.C.D.) Installation

1. Select proper size cable guard for application.
2. Place guard on cable over horizontal slots in Aerial Cable Damper.
3. Insert lashed cable supports through horizontal slots. Use two wraps and secure by bending end over top of buckle. Allow 1/4" clearance between cable and top of Aerial Cable Damper. Aerial Cable Damper must be allowed to swing free with the wind.
4. Position lashing clamps inside lashed cable supports and secure. Lashing clamps will restrict longitudinal movement to cable area protected by cable guards.
5. **Placement** – The number of Aerial Cable Damper's varies with the length of cable span and terrain. The following is recommended as a guide for maximum effectiveness.

Level Ground – Locate at span's center for 125-170 ft. spans (Fig. 1). On spans 170-300 ft. Locate two Aerial Cable Damper's each one fourth the total span length from either pole. (Fig. 2)

Steep Grade – Locate one tenth total span length from pole at lower level on 125-170 ft. spans. (Fig. 3). On spans 170-300 ft. two Aerial Cable Damper's are required. Locate one at one fourth the total span length from lower pole. Locate second Aerial Cable Damper halfway between first Aerial Cable Damper and uphill pole. (Fig. 4).

Note: When installing on Fig. 8 cable

1. Aerial Cable Damper should be secured to exposed strand.
2. Aerial Cable Damper will have limited dampening effective in extreme high wind conditions.

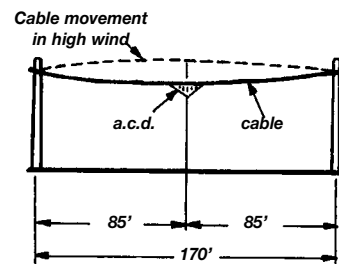


Fig. 1 – Level ground – 125'-170' spans

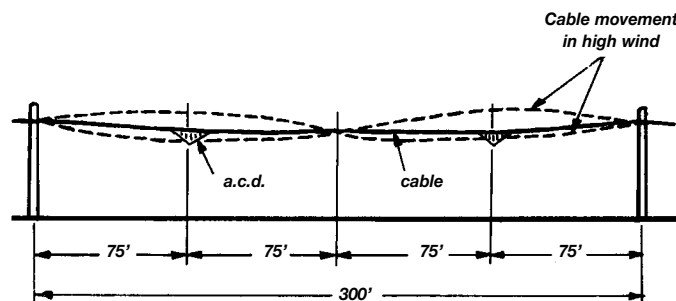


Fig. 2 – Level ground – 170'-300' spans

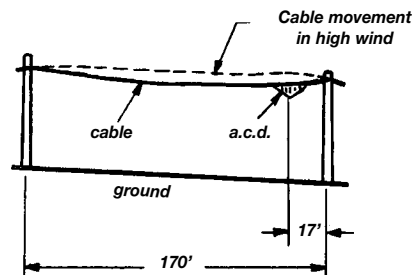


Fig. 3 – steep grade – 125'-170' spans

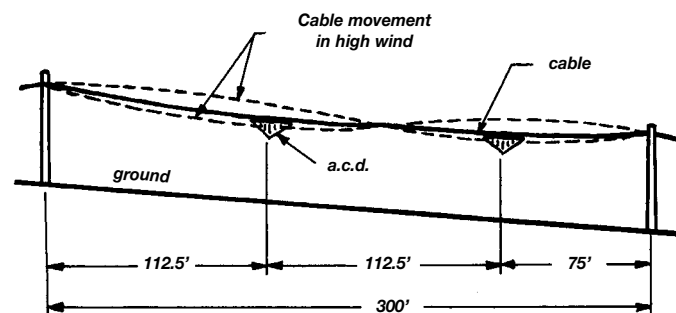


Fig. 4 – steep grade – 170'-300' spans



DIAMOND®/SACHS®

SC-51 Bonding Connectors for Meter Panels - Corner Mount

Easily installed on the rear corner of any meter box, the SC-51 corner mount bonding connectors have been designed for use when no other approved grounding electrode is accessible. These connectors are designed for mounting on the fixed top cover of any metal meter box.

Note: SC51-corner mount bonding connectors should not be mounted on the front cover or on any moveable part of the metal meter panel.

DESIGN FEATURES

- Stainless steel mounting screw is specially designed to remove/ pierce paint on the meter box ensuring a positive metal to metal contact with the box surface
- Simple, fast single bolt installation keeps the connector securely mounted
- Lanced bottom edges of connector securely grip the bottom of the fixed top cover of the meter box
- Ground wire cup washer and nut securely seats the looped ground wire beneath the ground wire nut
- UL and CSA approved

INSTALLATION

1. Position clip on either REAR top corner of meter box
2. Engage bottom edge raised lip of clip on bottom of fixed top lip of meter box
3. Tighten mounting screw to 20lb in torque
4. Loop ground wire and place in cup washer
5. Thread ground nut down against ground wire and tighten to 20 lb. in torque
6. Check that mounting screw is still firmly tight on the metal not tighten one quarter turn

ORDERING INFORMATION

Catalog Number	Description	Application	Packaging
SC51-1	Corner Mount Bonding Connector	CATV	100 per box
SC51-1BE	Corner Mount Bonding Connector	Telephone	100 per box



SC51-1 - FOR CATV APPLICATIONS

- Accepts #10, #12 or #14 AWG copper ground wire
- Clearly embossed with the words CABLE TV and DO NOT REMOVE

SC51-1BE - FOR TELEPHONY APPLICATIONS

- Accepts up to a #6 AWG ground wire
- Clearly embossed with the words TELEPHONE and DO NOT REMOVE
- Meets Bellcore TR-NTW-001075

Note: Do not mount SC51-1 or SC51-1BE on front top lip of the meter box as the connector may interfere with cover removal.

Bonding Connector for Meter Pan (Patented)

CATV Applications



SC51-1

- Meter pan connector designed to provide a bonding connection between the metallic frame of a meter pan and a copper ground wire.
- Its unique design allows a fixed and positive mechanical contact without interfering with the opening of the meter pan front cover.
- Tighten screws to 20 in. lbs. torque.



Ordering Information

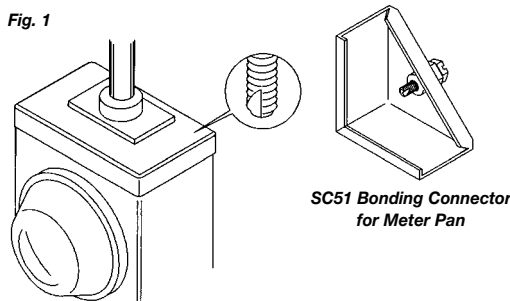
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC51-1	For #10/12/14 AWG copper ground wire made of mech. galv. steel B695 yellow chromate	-	100

Bonding Connector for Meter Pan SC51-1

1. The tip of the stainless steel mounting screw is shaped to remove the paint at the point of contact, thus ensuring positive metal-to-metal contact with the top of the meter panel. (Always ensure that the bonding surface is cleaned of excess paint or rust before mounting the SC51-1 connector.) For heavily corrosive or marine environments, use of "RTV" silicone sealer is recommended at the contact point, between the screw tip and the top of the meter pan.
2. Back the bolt and nut from the connector enough to allow it to mount on one of the corner folds of the metal meter pan back corners.
3. Install the connector with the bottom edges gripping on the bottom fold of the fixed top cover of the metal meter pan. **Under no circumstances is the bonding connector to be mounted on the front cover or any movable part of the metal meter pan.** Tighten the bolt securely by applying sufficient torque (20 inch pound) to ensure a firm and positive connection on the metal meter pan.
4. Remove one inch of insulation from copper ground wire, use caution to avoid scoring or damaging ground wire. Insert grounding wire between washer and grounding nut. Wrap ground wire clockwise between washer and ground nut. Insure that slot in grounding washer is aligned with ground wire. Tighten grounding nut with SC50-1 tool to secure ground wire. Do not over tighten. Double check that the grounding bolt is still firmly tight on the metal meter pan enclosure. If not, tighten it one quarter turn.

Recommended for usage when no other approved grounding electrode is accessible.

Fig. 1



SC51 Bonding Connector for Meter Pan

Fig. 2

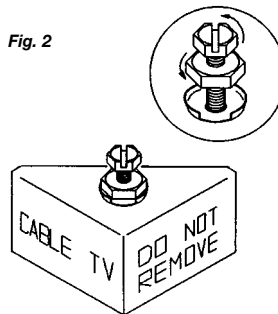


Fig. 3

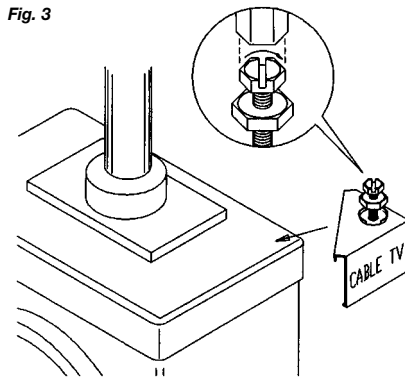
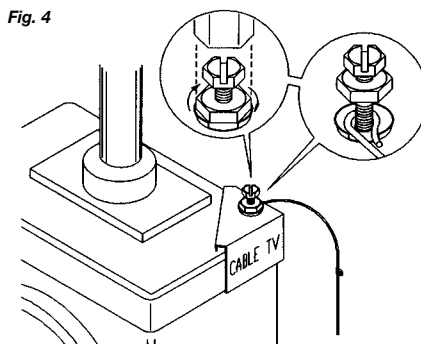


Fig. 4





DIAMOND®/SACHS®

SC-51 Bonding Connectors for Meter Panels - Front Mount

The SC-51 front mount bonding connectors have been specifically designed to bond drop cables to the metallic frame of a meter panel when alternative NEC bonding is inaccessible. These connectors are ideal in underground or confined applications and for use on recessed meter boxes. The unique design of the Diamond/Sachs SC-51 front mount bonding connectors allows a fixed and positive mechanical contact without interfering with the opening of the meter panel front cover.

DESIGN FEATURES

- Stainless steel mounting screw is specially designed to remove/ pierce paint on the meter box ensuring a positive metal to metal contact with the box surface
- The dual mounting screws are furnished with locking nuts assuring that the connector will not loosen over time
- Stainless steel body and mounting studs for a long corrosion free service life
- UL and CSA approved

INSTALLATION

1. Back out mounting screws to allow enough clearance to mount connector on front lip of meter box
2. Slide connector fully onto top front lip of meter box and tighten two mounting screws to 20lb in torque
3. Tighten locking nuts on mounting screw securely
4. **CATV Applications:** Place end of ground wire into ground wire holes and bend wire to form a loop around ground wire screw
5. **Telephony Applications:** Insert ground wire into the grounding bolt or terminal
6. Securely tighten the grounding screw or bolt to secure the ground wire

ORDERING INFORMATION

Catalog Number	Description	Application	Packaging
SC51CF	Front Mount Bonding Connector	CATV	100 per box
SC51CF85	Front Mount Bonding Connector	Telephone	100 per box



SC51CF - FOR CATV APPLICATIONS

- Supplied with ground wire holes adjacent to the ground wire mounting screw to help form a loop in the ground wire prior to securing it beneath the head of the ground screw
- Accepts #10, #12 or #14 AWG copper ground wire

SC51CF85 - FOR TELEPHONY APPLICATIONS

- Supplied with stainless steel ground terminal
- Accepts up to a #6 AWG ground wire

Bonding Connector for Meter Pan

CATV Applications



SC51-CF
(Patented)



SC51CF-81
(Patented)

- Meter pan connector designed to provide a bonding connection between the metallic frame of a meter pan and a copper ground wire.
- Its unique design allows a fixed and positive mechanical contact without interfering with the opening of the meter pan front cover.
- Tighten screws to 20 in. lbs. torque.



Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC51-CF	For #10/12/14 AWG copper ground wire, made of stainless steel	-	100
SC51CF-81	No ground wire required	-	100

Telephone Applications



SC51-2

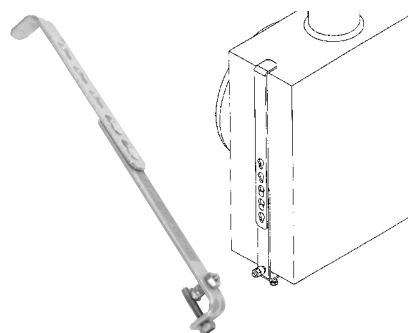


SC51CF-85

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC51-2	For #6 AWG copper ground wire made of mech. galv. steel B695 yellow chromate	-	100
SC51-1BE	For #6-10 AWG copper ground wire	-	100
SC51CF-85	For #6-10 AWG copper ground wire	-	100

Meter Box Ground Clamp (Patented)



- Provides a convenient, quick installation of a reliable ground or bond for drops.
- 2 adjustable sizes: 6-1/2" to 10-1/2", 11-1/2" to 15-1/2".
- Stainless steel bolts, screw and washer.
- Mechanically galvanized ASTM B695.
- UL Listed
- Will not restrict cover operation.
- Tighten screws to 20 in. lbs. torque.



Ordering Information

CATALOG NUMBER	DESCRIPTION	CLAMP RANGE	INNER PACK	OUTER PACK
40-20000	Meter box ground clamp (S), #12-16 AWG	6.5-10.5"	-	50
40-20001	Meter box ground clamp (L), #12-16 AWG	11.5-15.5"	-	50
40-20002	Meter box ground clamp (S), #10-6 AWG	6.5-10.5"	1	5
40-20003	Meter box ground clamp (L), #10-6 AWG	11.5-15.5"	1	5



DIAMOND®/SACHS®

Meter Box Ground Clamp

The Meter Box Ground Clamp is used to provide a convenient, reliable ground for coaxial or telephone drop wire runs. The versatile two piece clamp can be mounted either vertically (on the side) or horizontally (across the top) of the meter box, without interfering with cover removal. Available in 3 sizes, this clamp can be adjusted to fit any meter box in service.

DESIGN FEATURES

- Sturdy reinforced 2 piece construction to assure long term, safe service life
- Steel clamp brackets are mechanically galvanized to ASTM B695 and all hardware is stainless steel
- Fast and easy installation with a single shallow pointed bolt that assures positive ground connection
- Dual steel points on slotted bracket penetrate the painted surface to provide a positive ground connection
- Will accept the full range of commonly used ground wires in the CATV and Telephone industries
- Meets or exceeds industry requirements and Bellcore standards
- U.L. listed



INSTALLATION

1. Assemble brackets selecting the pair of slots best suited for the meter box size and engage rivets into slots
2. Apply dab of RTV sealant or equivalent to contact point of bolt and steel points on slotted bracket to prevent corrosion of exposed base metal
3. Tighten bolt securely to 20 lb. in. torque
4. CATV - Loop end of ground wire and secure in cup washer beneath ground screw and tighten securely to 20 lb. in.
5. Telephone - Place end of #6 AWG ground wire into hole of ground terminal and tighten nut securely to 20 lb. in.

ORDERING INFORMATION

Catalog Number	Application	Length	Adjustable Range	Accepts Ground Wire	Packaging
40-20000	CATV	Short	7" to 10-1/4"	#12 thru #16	50 per box
40-20001	CATV	Long	11-1/2" to 15-1/4"	#12 thru #16	50 per box
40-20002	Telephone	Short	7" to 10-1/4"	#10 thru #6	10 per bag/50 per box
40-20003	Telephone	Long	11-1/2" to 15-1/4"	#10 thru #6	10 per bag/50 per box
40-20004	Telephone	Extra Long	15-1/2" to 21-1/2"	#10 thru #6	10 per bag/50 per box

Grounding Block

- Made of Z600 galvanized steel and yellow chromated.

**Ordering Information**

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC12N-81	Complete with regular F81 connector	-	150
SC12N81-1G	Complete with 1 GHz F81 connector	-	150
SC12N81-25	Same as SC12N-81 with two mounting screws	-	150

Grounding Block

- Made of Z600 galvanized steel and yellow chromated.

**Ordering Information**

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC12DNS-81	Complete with regular F81 connector	-	100
SC12DNS81-25	Same as SC12DNS081 with two mounting screws	-	100

SERIES ALSO AVAILABLE WITH TWO F81 TYPE CONNECTORS. SPECIFY SHORT OR LONG BARREL.
GROUNDING BLOCK AVAILABLE WITH 1 GHZ F81 TYPE CONNECTOR UPON REQUEST.

Grounding Bracket

- Grounding bracket permits upgrading number of drops by mounting 2, 3 or 4 way splitters simply by using the SC09 splitter ring nut for mounting.
- Made of Z600 galvanized steel and yellow chromated.

**Ordering Information**

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC46DN	Accepts up to #10 AWG ground wire	-	100
SC46DN-25	Same as above with two mounting screws	-	100

Splitter Ring Nut

- Splitter ring nut especially designed for converting the SC12DN grounding blocks to accept splitters.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC09-1	Made of brass, nickel plated, .172" height	250	5000



DIAMOND® / SACHS®

Stainless Steel Ground Blocks

Thomas & Betts Diamond/Sachs stainless steel ground blocks offer cable system operators a high performance, precision two-way grounding solution. These stainless steel ground blocks provide true 2 GHz performance in a low profile, rust free housing that is more cost-effective than conventional chromate finished devices.

DESIGN FEATURES

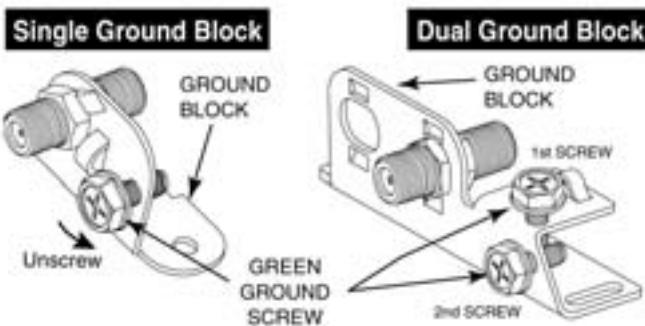
- Stainless steel housing assures a corrosion free service life
- Meets Belcore ASTM B117 – exceeds 1000 hours in a salt spray chamber
- Unique locking tab on F81 hole permits single wrench installation of the F81 connector
- Oval hole on the dual ground block design allows up-grading with 2, 3 or 4 way splitters
- Low profile design conforms to system demands for NID box mounting
- Raised locking bridge next to ground screw allows ground wire to be quickly inserted and wrapped
- Rectangular slots at center of ground block allow block to be mounted on service masts using cable ties
- UL and CSA

INSTALLATION

1. Position ground block on house so that F81 connector is horizontal and ground screw is at the bottom of the bracket. Or, place ground block in NID box per MSO specifications.
2. Secure block to surface with mounting screws – tighten to 20 lb. in torque
3. Attach drop to F81 and apply specified torque
4. Loop ground wire beneath the head of the ground screw and tighten screw to 30 lb in torque
5. Attach coax (to TV) on other side of F81

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	CONNECTOR TYPE	PACKAGING
SC12-SS	Single Ground Block	2 Ghz F81 with standard length barrel	150 per box
SC12D-SS	Dual Ground Block	2 Ghz F81 with standard length barrel	100 per box
SC12D2-SS	Dual Ground Block with Two Connectors	2 Ghz F81 with standard length barrel	100 per box



Grounding Clamps

Span Clamp



- Span clamp for steel messengered drop cable bonding applications. Unique locking design prevents rotation on steel strand.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC03E-2G	For two steel messenger wires .051" to .072" diameter used on 1/4" (6.6m) steel strand	-	75

"I" Beam Grounding Clamp



- Grounding clamp used to bond a solid or stranded copper wire to steel structure.
- Mechanically galvanized ASTM B695.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC07GG	Up to #10 AWG copper ground wire	-	125
SC07GG-185	Up to #6 AWG copper ground wire	-	100

"B" Ground Wire Clamp



- Used to secure #6 AWG to #12 AWG ground wire runs.
- Mechanically galvanized ASTM B695.
- 7/32" hole diameter.
- 3/8" wide x 9/16" long.

Ordering Information

CATALOG NUMBER	DESCRIPTION	GROUND WIRE RANGE	INNER PACK	OUTER PACK
23-80002	"B" ground wire clamp	#12 (.081") to #6 AWG (.162")	500	5000

Ground Connector



- Ground connector used to connect various size copper ground conductors with a firm mechanical contact.
- Made of pure copper with brass fastener.



Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC42-1	Connects #4 or #6 AWG to #10 AWG copper ground wire	150	1800

**Copper Ground Strap
(Patented)**

- Ground strap used to provide a fixed and permanent connection between a copper water pipe to a copper ground wire.

**Ordering Information**

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC13B-1	Small strap, fits 1/2" to 1" dia. pipe to #10/12/14 AWG copper ground wire	-	150
SC13B-2	Medium strap fits 1/2" to 2-1/4" dia. pipe to #10/12/14AWG-copper ground wire	-	200
SC13B-3	Large strap, fits 1/2" to 3" dia. pipe to #10/12/14 AWG copper ground wire	-	150

MADE OF PURE COPPER (ASTM B152-110). BRASS FASTENERS (ASTM B16-360 AND B134-260).

**Galvanized Ground Strap
(Patented)**

- Ground strap used to provide a fixed and permanent connection between a galvanized steel pipe and a copper ground wire.

**Ordering Information**

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC13BZ-1	Small strap, fits 1/2" to 1" dia. pipe to #10/12/14 AWG copper ground wire	-	150
SC13BZ-2	Medium strap fits 1/2" to 2-1/4" dia. pipe to #10/12/14 AWG-copper ground wire	-	200
SC13BZ-3	Large strap, fits 1/2" to 3" dia. pipe to #10/12/14 AWG copper ground wire	-	150

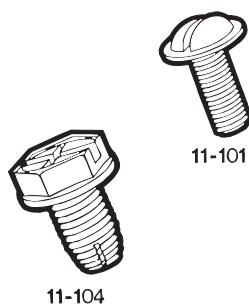
MADE OF G90 GALVANIZED STEEL THAT MEETS SALT TEST ASTM B117. FASTENERS ARE MADE OF BRASS, NICKEL PLATED (ASTM B16-360 AND B134-260) TO CREATE A NEUTRAL FOR GALVANIZED TO COPPER CONNECTION.

"U" Cable Clip

- Preformed aluminum cable clip used to secure ground wire to either wood or masonry surfaces using self-tapping screws.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC21-1	For #12 or #14 AWG copper ground wire.	500	10000

Grounding Screws

- Color-coded green
- Size 10-32 x 3/8, fits tapped screw hole in most boxes
- Cat. No. 11-104 taps its own threads

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
11-101	Washer Head Screws	-	1000
11-104	Hex/Phillips/Slotted Head Self-Tapping	-	1000

Plastic Anchors Plastic Anchor Kits



- Used to anchor sheet metal or wood screws in masonry, cinder block or brick.
- Weather resistant UV inhibitor outdoor plastic.

Ordering Information

CATALOG NUMBER	DESCRIPTION	ANCHOR SIZE	SCREW SIZE	DRILL DIA.	INNER PACK	OUTER PACK
12-08210	Plastic anchor only	#1 x 7/8" L	#6, 8, 10	3/16"	100	1500
12-08220	Plastic anchor only	#2 x 1"L	#10, 12	1/4"	100	1500
12-08230	Plastic anchor only	#3 x 1-1/4"L	#14, 16	5/16"	50	750
12-58210	Drill Bit incl. in kit*	#1 x 7/8"L	#8	3/16"	1	10
12-58220	Drill Bit incl. in kit*	#2 x 1"L	#10	1/4"	1	24
12-58221	Drill Bit incl. in kit*	#2 x 1"L	#12	1/4"	1	24

* KIT INCLUDES ANCHORS, SCREWS AND 4" DRILL BIT.

Self-Tapping Screw



- Hardened steel self-tapping screw zinc plated ASTM B633.

Ordering Information

CATALOG NUMBER	DESCRIPTION	SIZE	INNER PACK	OUTER PACK
17-00001	Slotted 3/8" Hex head self-tapping screw	10/12 x 3/4"	100	1000
17-00003	Slotted 3/8" Hex head self-tapping screw	10/12 x 1-1/2"	100	1000
17-00012	Phillips 1/4" hex head self-tapping screw	#8 x 1"	100	1000

Terminal Wrenches, Snips & Knives

Universal Terminal Wrench



SC50-1

Ordering Information

CATALOG NUMBER	DESCRIPTION	STD PACK
SC50-1	Universal 3/8" - 7/16" terminal wrench	1

Snips



Ordering Information

CATALOG NUMBER	DESCRIPTION	UNIT QTY	STD PACK
18-EES	Scissors	1	6

This drop forged, high carbon cutlery is constructed of top-grade steel. It contains nickel plated, ground hardened power lock screws to assure reliable performance.

Utility Knife



Ordering Information

CATALOG NUMBER	DESCRIPTION	UNIT QTY	STD PACK
18-UTK	Utility Knife	1	1
18-UTB*	Blades for 18-UTK	10	10

*ORDER BLADES IN CARTON QUANTITIES OR IN MULTIPLES OF CARTONS.

Utility knives are designed with industrial grade housing. Three reversible blades make the tool handy for multiple jobs. Positive locking system insures safety.

Deluxe Pocket Knives



- Heavy duty cutlery blades
- Solid brass linings won't rust
- Screwdriver blade included in both models, locks open

Ordering Information

CATALOG NUMBER	DESCRIPTION	UNIT QTY	STD PACK
18-247	With spear blade	6	6
18-248	With hook blade	6	6

Tape Measures



Heat treated blades allow a maximum standout of over 7 feet. Larger numbers provide the easiest reading blade in the industry. Constructed with important extras such as three rivet steel reinforced end hooks and 16" and 17.2" stud marks. Features such as baked on epoxy, chromeplated ABS case, and heavy duty spring and blade system insure long life.

Ordering Information

CATALOG NUMBER	DESCRIPTION	UNIT QTY	STD PKG
18-125TB	1 in. x 25 ft.	1	1
18-416	3/4 in. x 16 ft.	1	1
18-412	3/4 in. x 12 ft.	1	1
18-210	1/2 in. x 10 ft.	1	6

**Trap Shield Security
Tube Assembly**

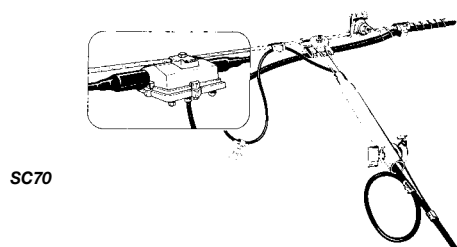

Trap shield is used to protect and secure notch filter type traps against tampering by unauthorized persons.

- To be attached to the strand with an integral bail to reduce the chances of either ice loading or squirrel damage.
- Accommodates up to four standard traps for graduated security.
- Equipped with multiple view holes to allow easy visual identification without the need to remove the traps.
- Made of aluminum tube.

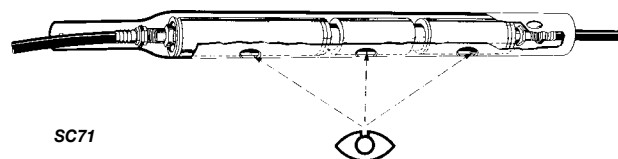
Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC70-13	13" long	-	16
SC70-16	16" long	-	16

WHEN ORDERING, SPECIFY TYPE AND NUMBER OF FILTERS BEING SECURED TO DETERMINE TOTAL TUBE LENGTH.

Application


SC70



SC71

**Strand Hanger
Support Bracket**


- Used in mid-span or next to tap application.
- In high risk theft areas, makes it more difficult to tamper with the traps.
- Support up to 4 trap shields (up to 16 traps).
- Mechanically galvanized ASTM B695.

Ordering Information

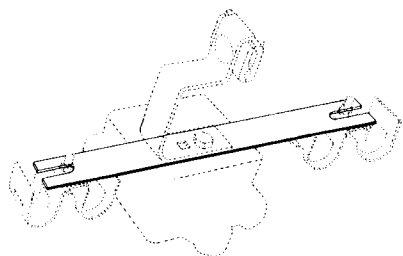
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC73-1F	Strand hanger support bracket	-	32
SC73-3F	Strand hanger support bracket	-	24

CAN ALSO BE SUPPLIED WITH A COATED TOP SHIELD ALUMINUM BRACKET.

Security Tool

Ordering Information

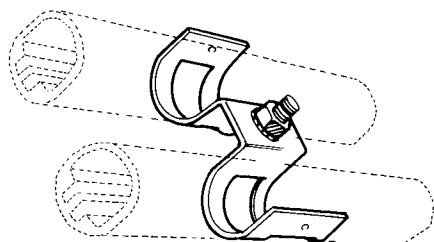
CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
SC80T	Accepts standard 7/16" hex	-	10

Tap/Trap Bracket

- Designed to mount a tap and up to eight traps or trap sleeves to strand.
- Attaches to Diamond® aluminum tap bracket square hole.
- Mechanically galvanized steel ASTM B695.
- No mounting hardware supplied.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
29-90920	Tap/trap bracket	25	250

Trap “W” Brackets

- Used with tap/trap bracket to mount traps (small “W” bracket) or trap sleeves (large “W” bracket).
- Large “W” bracket accepts trap sleeves 7/8” to 1-1/8” diameter.
- Small “W” bracket accepts standard traps (13/16” dia.).
- Mechanically galvanized steel ASTM B695.
- Carriage bolt & nut supplied.

Ordering Information

CATALOG NUMBER	DESCRIPTION	INNER PACK	OUTER PACK
29-90900	Large “W” bracket	-	25
29-90910	Small “W” bracket	-	25