

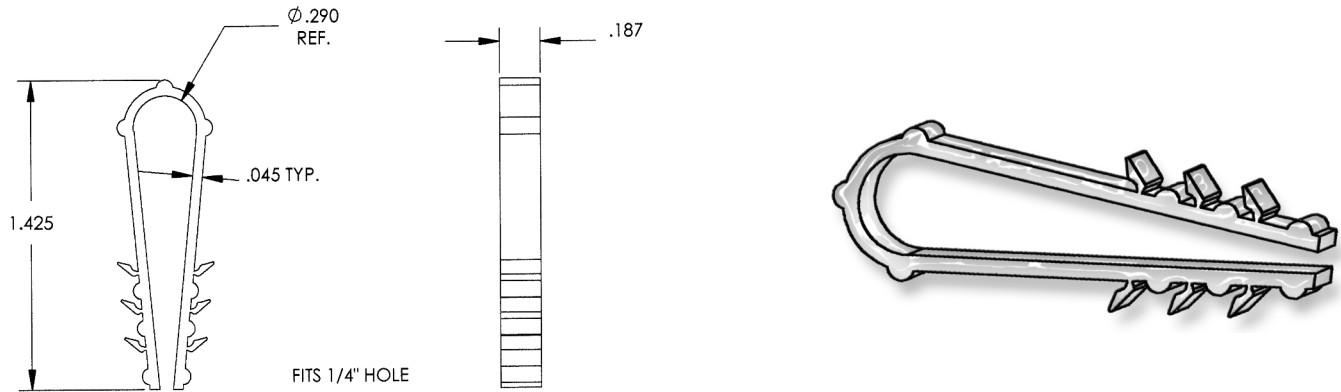
# WIRE HANDLING HARDWARE

SECTION  
VII

## LOOP FASTENER

Molded in **Natural High Density Polyethylene**

"U" shaped blind fastener for installation of pipes or cables on a wall or ceiling. Drill 1/4" diameter hole. Slip "U" shaped fastener over wire or tube and push into drilled hole. Fastener is molded in natural colored high density Polyethylene.

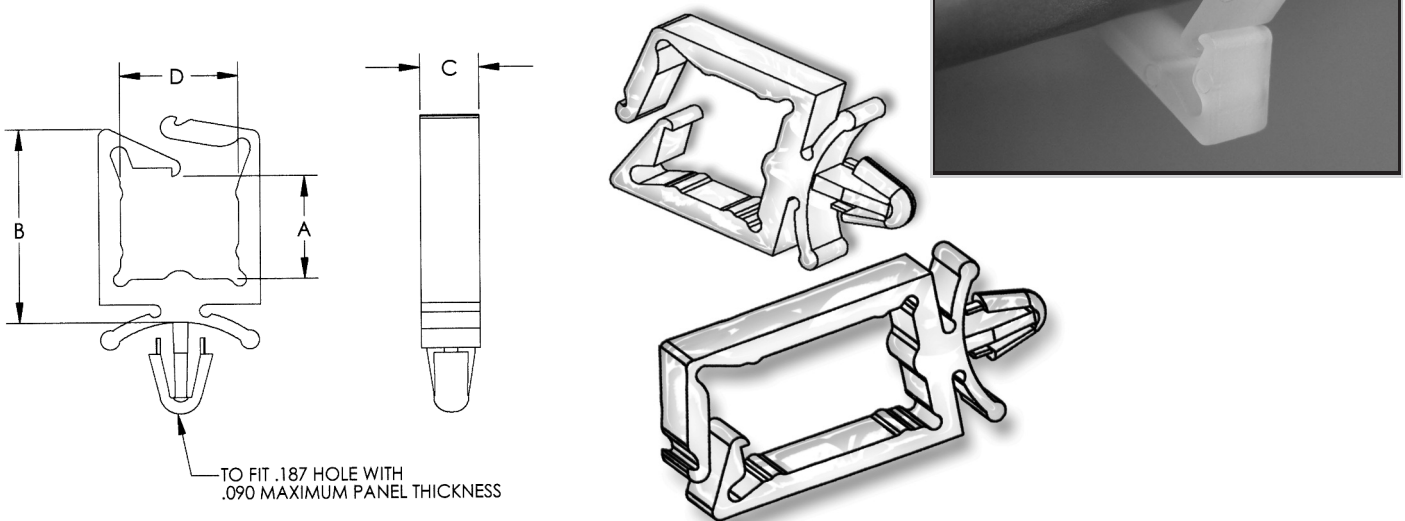


ITEM NUMBER	DESCRIPTION
22LF1425250	LOOP FASTENER

## LOCKING WIRE/ CABLE HOLDER

Molded in **Natural Nylon 6/6**

Micro Plastics' Locking Wire and Cable Holder is molded in UL recognized Nylon 6/6. Used for routing wires and cables. Designed to fit a 3/16" diameter hole and variable panel thickness up to .090 inches. Lock is releasable by twisting open.



ITEM NUMBER	DESCRIPTION	A (REF.)	B (REF.)	C	D
22LGWH4500190	LOCKING WIRE CABLE HOLDER	.222 (5,64)	.545 (13,84)	7/32" (5,56)	7/16" (11,11)
22LGWH4500360	LOCKING WIRE CABLE HOLDER	.378 (9,60)	.711 (18,06)	7/32" (5,56)	7/16" (11,11)
22LGWH4500718	LOCKING WIRE CABLE HOLDER	.660 (16,76)	1.000 (25,40)	7/32" (5,56)	7/16" (11,11)
22LGWH450750	LOCKING WIRE CABLE HOLDER	.738 (18,75)	1.078 (27,38)	7/32" (5,56)	7/16" (11,11)
22LGWH4501062	LOCKING WIRE CABLE HOLDER	1.093 (27,76)	1.416 (35,97)	7/32" (5,56)	7/16" (11,11)

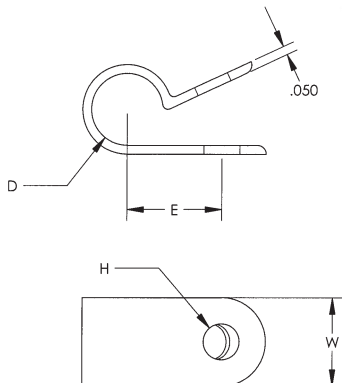
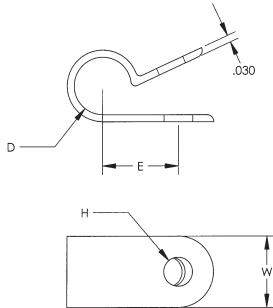


# WIRE HANDLING HARDWARE

## SECTION VII

### Materials Available on Special Order

- Flame retardant Nylon 6/6
- 2% carbon black Nylon 6/6 (U.V. Resistant)
- Polypropylene



## CABLE CLAMPS

### Molded in Natural Nylon 6/6

Micro Plastics' molded nylon cable clamps secure, insulate and route cable, wiring, tubing, piping and fibre optics. These tough, durable chemical resistant nylon 6/6 cable clamps are perfect for applications in electronics, automotive, aircraft, appliance and many other industries. The **HEAVY DUTY SERIES** provides a full 1/2" wide contact area for all critical and heavy duty industrial and commercial applications, while the economical **STANDARD SERIES** has a 3/8" wide contact area and is designed for medium to lightweight applications. All contact edges have a full radius for product protection. Sizes are clearly marked on each clamp. The following are standard sizes available. Micro Plastics will tool non-standard sizes in suitable quantities.

### MINIATURE

Miniature Cable Clamps are not available in 2% carbon black UV Resistant material (parts can be dyed black after molding.)

ITEM NUMBER	D REF.	W	H	E
22CC16A0062	1/16 (0,79)	5/32 (3,97)	.096 (2,44)	.187 (4,75)
22CC16A0093	3/32 (2,38)	5/32 (3,97)	.096 (2,44)	.203 (5,16)
22CC16A0125	1/8 (3,18)	5/32 (3,97)	.096 (2,44)	.217 (5,51)
22CC16A0156	5/32 (3,97)	5/32 (3,97)	.096 (2,44)	.233 (5,92)
22CC16A0187	3/16 (4,76)	5/32 (3,97)	.096 (2,44)	.250 (6,35)
22CC28E0250	1/4 (6,35)	9/32 (7,14)	.128 (3,25)	.337 (8,56)
22CC28E0375	3/8 (9,52)	9/32 (7,14)	.128 (3,25)	.400 (10,16)

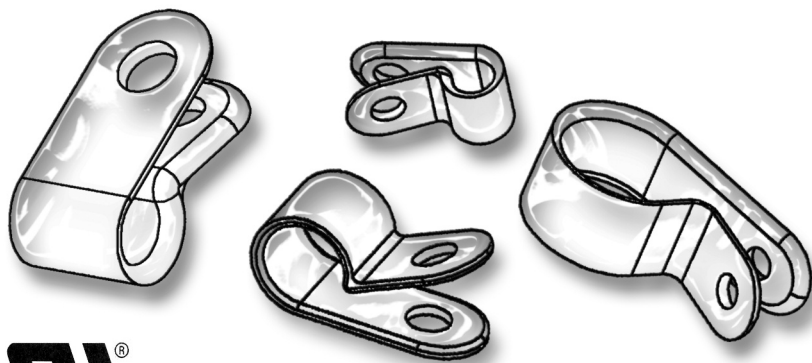
### STANDARD

ITEM NUMBER	D REF.	W	H	E
22CC37B0125	1/8 (3,18)	3/8 (9,53)	.140 (3,56)	.329 (8,36)
22CC37C0125	1/8 (3,18)	3/8 (9,53)	.167 (4,24)	.329 (8,36)
22CC37D0125	1/8 (3,18)	3/8 (9,53)	.203 (5,16)	.329 (8,36)
22CC37B0187	3/16 (4,76)	3/8 (9,53)	.140 (3,56)	.430 (10,92)
22CC37C0187	3/16 (4,76)	3/8 (9,53)	.167 (4,24)	.430 (10,92)
22CC37D0187	3/16 (4,76)	3/8 (9,53)	.203 (5,16)	.430 (10,92)
22CC37B0187E	3/16 (4,76)	3/8 (9,53)	.140 (3,56)	.378 (9,60)
22CC37C0187E	3/16 (4,76)	3/8 (9,53)	.167 (4,24)	.378 (9,60)
22CC37D0187E	3/16 (4,76)	3/8 (9,53)	.203 (5,16)	.378 (9,60)
22CC37B0250	1/4 (6,35)	3/8 (9,53)	.140 (3,56)	.410 (10,41)
22CC37C0250	1/4 (6,35)	3/8 (9,53)	.167 (4,24)	.410 (10,41)
22CC37D0250	1/4 (6,35)	3/8 (9,53)	.203 (5,16)	.410 (10,41)
22CC37B0312	5/16 (7,94)	3/8 (9,53)	.140 (3,56)	.495 (12,57)
22CC37C0312	5/16 (7,94)	3/8 (9,53)	.167 (4,24)	.495 (12,57)
22CC37D0312	5/16 (7,94)	3/8 (9,53)	.203 (5,16)	.495 (12,57)
22CC37B0375	3/8 (9,53)	3/8 (9,53)	.140 (3,56)	.595 (15,11)
22CC37C0375	3/8 (9,53)	3/8 (9,53)	.167 (4,24)	.595 (15,11)
22CC37D0375	3/8 (9,53)	3/8 (9,53)	.203 (5,16)	.595 (15,11)
22CC37B0437	7/16 (11,11)	3/8 (9,53)	.140 (3,56)	.574 (14,58)
22CC37C0437	7/16 (11,11)	3/8 (9,53)	.167 (4,24)	.574 (14,58)
22CC37D0437	7/16 (11,11)	3/8 (9,53)	.203 (5,16)	.574 (14,58)
22CC37B0500	1/2 (12,70)	3/8 (9,53)	.140 (3,56)	.605 (15,37)
22CC37C0500	1/2 (12,70)	3/8 (9,53)	.167 (4,24)	.605 (15,37)
22CC37D0500	1/2 (12,70)	3/8 (9,53)	.203 (5,16)	.605 (15,37)
22CC37D0562	9/16 (14,29)	3/8 (9,53)	.203 (5,16)	.606 (15,39)
22CC37D0625	5/8 (15,88)	3/8 (9,53)	.203 (5,16)	.678 (17,22)



# WIRE HANDLING HARDWARE

SECTION  
VII



## HEAVY DUTY

ITEM NUMBER	D REF.		W	H	E
22CC50C0125	1/8 (3,18)		1/2 (12,70)	.167 (4,24)	.315 (8,00)
22CC50D0125	1/8 (3,18)		1/2 (12,70)	.203 (5,16)	.315 (8,00)
22CC50C0187	3/16 (4,76)		1/2 (12,70)	.167 (4,24)	.425 (10,80)
22CC50D0187	3/16 (4,76)		1/2 (12,70)	.203 (5,16)	.425 (10,80)
22CC50C0250	1/4 (6,35)		1/2 (12,70)	.167 (4,24)	.410 (10,41)
22CC50D0250	1/4 (6,35)		1/2 (12,70)	.203 (5,16)	.410 (10,41)
22CC50C0312	5/16 (7,94)		1/2 (12,70)	.167 (4,24)	.500 (12,70)
22CC50D0312	5/16 (7,94)		1/2 (12,70)	.203 (5,16)	.500 (12,70)
22CC50C0375	3/8 (9,53)		1/2 (12,70)	.167 (4,24)	.530 (13,46)
22CC50D0375	3/8 (9,53)		1/2 (12,70)	.203 (5,16)	.530 (13,46)
22CC50G0375	3/8 (9,53)		1/2 (12,70)	.250 (6,35)	.585 (14,86)
22CC50C0437	7/16 (11,11)		1/2 (12,70)	.167 (4,24)	.560 (14,22)
22CC50D0437	7/16 (11,11)		1/2 (12,70)	.203 (5,16)	.560 (14,22)
22CC50C0500	1/2 (12,70)		1/2 (12,70)	.167 (4,24)	.595 (15,11)
22CC50D0500	1/2 (12,70)		1/2 (12,70)	.203 (5,16)	.595 (15,11)
22CC50C0562	9/16 (14,29)		1/2 (12,70)	.167 (4,24)	.606 (15,39)
22CC50D0562	9/16 (14,29)		1/2 (12,70)	.203 (5,16)	.606 (15,39)
22CC50C0625	5/8 (15,88)		1/2 (12,70)	.167 (4,24)	.655 (16,64)
22CC50D0625	5/8 (15,88)		1/2 (12,70)	.203 (5,16)	.655 (16,64)
22CC50C0687	11/16 (17,46)		1/2 (12,70)	.167 (4,24)	.755 (19,18)
22CC50D0687	11/16 (17,46)		1/2 (12,70)	.203 (5,16)	.755 (19,18)
22CC50C0750	3/4 (19,05)		1/2 (12,70)	.167 (4,24)	.780 (19,81)
22CC50D0750	3/4 (19,05)		1/2 (12,70)	.203 (5,16)	.780 (19,81)
22CC50C0812	13/16 (20,64)		1/2 (12,70)	.167 (4,24)	.815 (20,70)
22CC50D0812	13/16 (20,64)		1/2 (12,70)	.203 (5,16)	.815 (20,70)
22CC50C0875	7/8 (22,22)		1/2 (12,70)	.167 (4,24)	.845 (21,46)
22CC50D0875	7/8 (22,22)		1/2 (12,70)	.203 (5,16)	.845 (21,46)
22CC50D1000	1 (25,40)		1/2 (12,70)	.203 (5,16)	.910 (23,11)
22CC50D1125	1 1/8 (28,58)		1/2 (12,70)	.203 (5,16)	.970 (24,64)
22CC50D1187	1 3/16 (30,16)		1/2 (12,70)	.203 (5,16)	1.000 (25,40)
22CC50D1250	1 1/4 (31,75)		1/2 (12,70)	.203 (5,16)	1.060 (26,92)
22CC50D1375	1 3/8 (34,93)		1/2 (12,70)	.203 (5,16)	1.125 (28,58)
22CC50D1500	1 1/2 (38,10)		1/2 (12,70)	.203 (5,16)	1.190 (30,23)

## EXTRA HEAVY DUTY

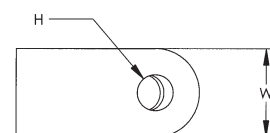
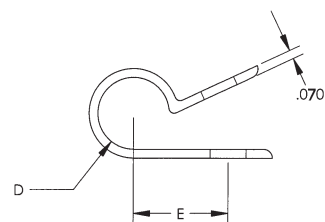
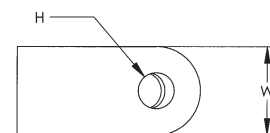
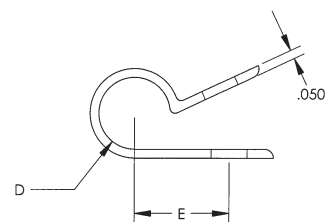
WALL THICKNESS IS .070

ITEM NUMBER	D REF.		W	H	E
*22CC87F0750	3/4 (19,05)		7/8 (22,22)	.387 (9,83)	1.000 (25,40)
*22CC87D1003	1 1/32 (26,19)		7/8 (22,22)	.203 (5,16)	1.125 (28,58)
*22CC87F1003	1 1/32 (26,19)		7/8 (22,22)	.387 (9,83)	1.125 (28,58)

\* Not UL Approved

### Materials Available on Special Order

- Flame retardant Nylon 6/6
- 2% carbon black Nylon 6/6 (U.V. Resistant)
- Polypropylene



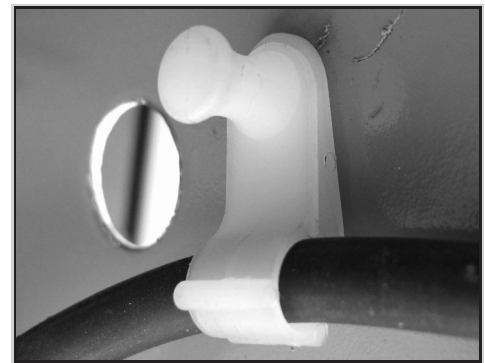
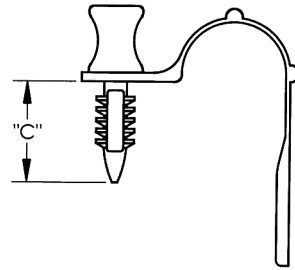
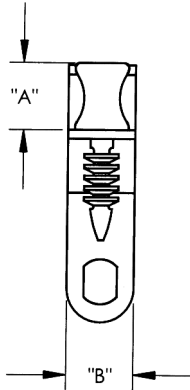
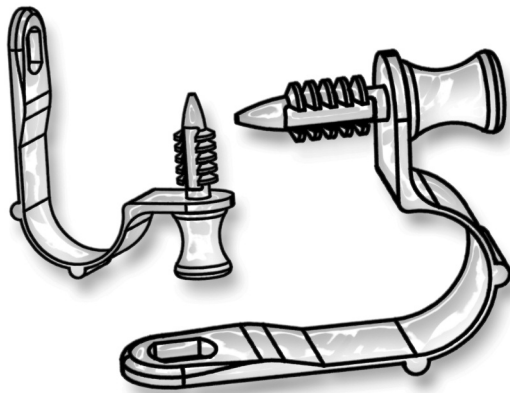
# WIRE HANDLING HARDWARE

## SECTION VII

### QUICK CABLE CLAMPS

Molded in Natural Nylon 6/6

Quick cable clamps are designed for one-handed installation. The design features an integrated ratchet fastener which eliminates the need for a screw or other fastener. Quick cable clamps are self-aligning, and the built-in handle allows for quick and easy installation without tools. The parts are molded from Nylon 6/6 and are suitable for many different wire, cable, or tubing routing applications. Parts are designed to fit a 3/16" diameter hole.

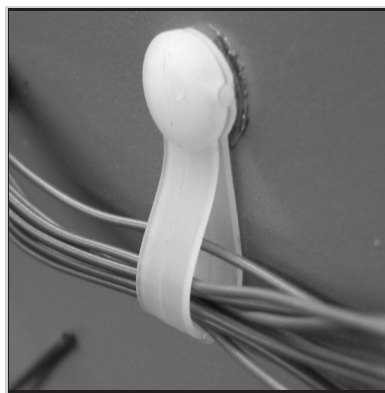
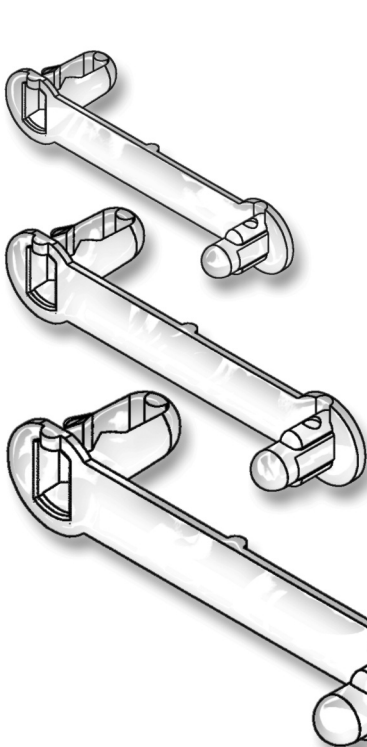


ITEM NUMBER	BUNDLE DIA.	KNOB LENGTH "A"	WIDTH CLIP "B"	LENGTH "C"
22QCC187250	1/4" (6,35)	.375 (9,53)	.375 (9,53)	.528 (13,41)
22QCC187312	5/16" (7,94)	.375 (9,53)	.375 (9,53)	.528 (13,41)
22QCC187375	3/8" (9,53)	.375 (9,53)	.375 (9,53)	.528 (13,41)
22QCC187437	7/16" (11,1)	.375 (9,53)	.375 (9,53)	.528 (13,41)

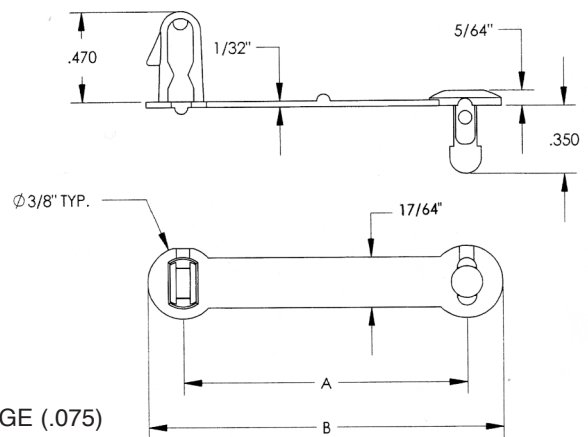
### WIRE AND TUBE RETAINING STRAPS

Molded in Natural Nylon 6/6

Wire and tube retaining straps are designed to be pushed into a .250 dia. hole, the wire or tube can then be placed on the the strap, simply push the pin end into the receiver end and the wire or tube is secured in place.



PANEL THICKNESS 3/16"  
FITS 1/4" HOLE SIZE  
PANEL RANGE FITS UP TO 14 GAUGE (.075)



ITEM NUMBER	BUNDLE DIAMETER	"A" REFERENCE	"B" REFERENCE
22WTR2500312	.312 (7,93)	1.530 (38,86)	1.905 (48,39)
22WTR2500375	.375 (9,52)	1.730 (43,94)	2.105 (53,47)
22WTR2500437	.437 (11,10)	1.930 (49,02)	2.305 (58,55)
22WTR2500500	.500 (12,70)	2.130 (54,10)	2.528 (64,21)
22WTR2500562	.562 (14,28)	2.360 (59,94)	2.735 (69,47)

# WIRE HANDLING HARDWARE

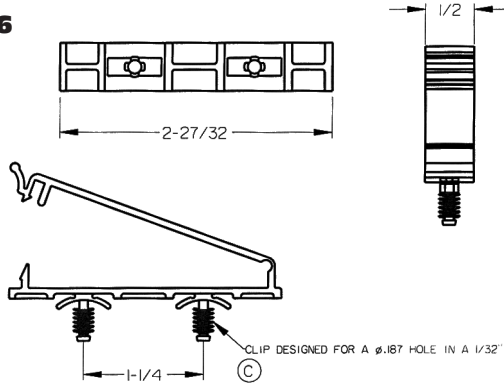
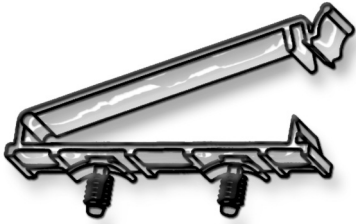
SECTION  
**VII**

## RIBBON CLIP - fin clip base

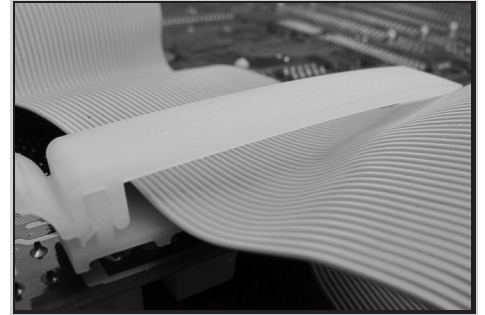
Molded in **Natural Nylon 6/6**

ITEM NUMBER

22FCC250237



CLIP DESIGNED FOR A .187 HOLE IN A 1/32" PANEL

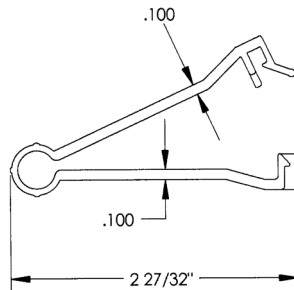
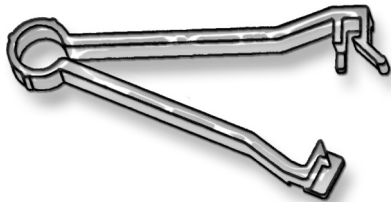


## RIBBON CLIP - quick move

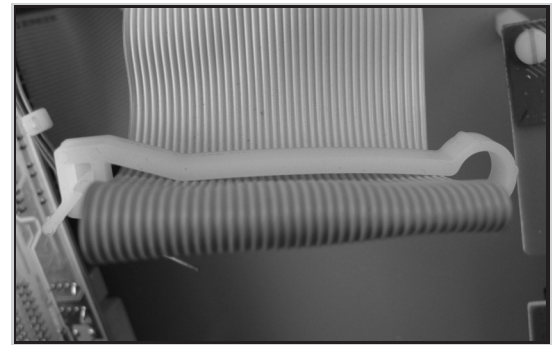
Molded in **Natural Nylon 6/6**

ITEM NUMBER

22RC200



One Piece Ribbon Clip is molded in tough non-conductive nylon. This design allows for quick positive clamping of flat cable up to 50 conductors wide, without the need for securing the clip to a board or chassis. Ribbon Clips are releasable and reusable, and will not cut or abrade cable.

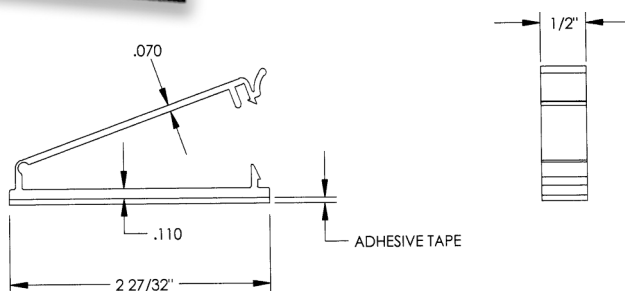
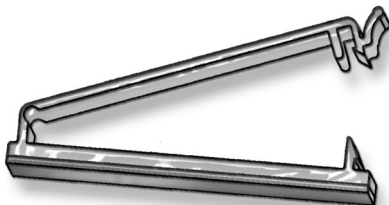


## RIBBON CLIP - adhesive base

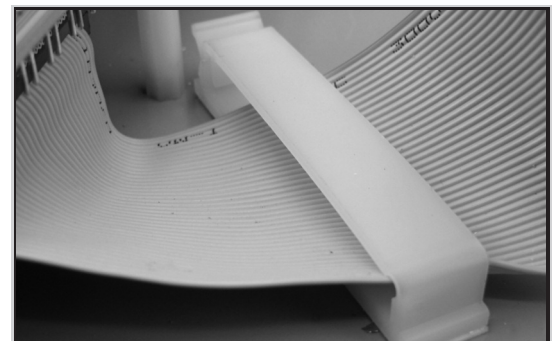
Molded in **Natural Nylon 6/6**

ITEM NUMBER

22ABC250237



Adhesive Base Ribbon Clip is molded in tough non-conductive nylon. Ribbon Clips are designed to hold flat cable up to 50 conductors wide. Ribbon Clips will not cut or abrade cable and are releasable. Easy mounting with peel and stick adhesive backing.



# WIRE HANDLING HARDWARE

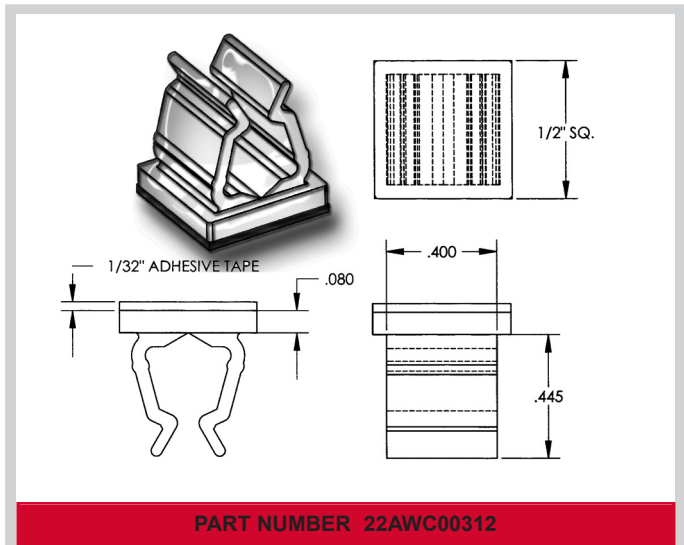
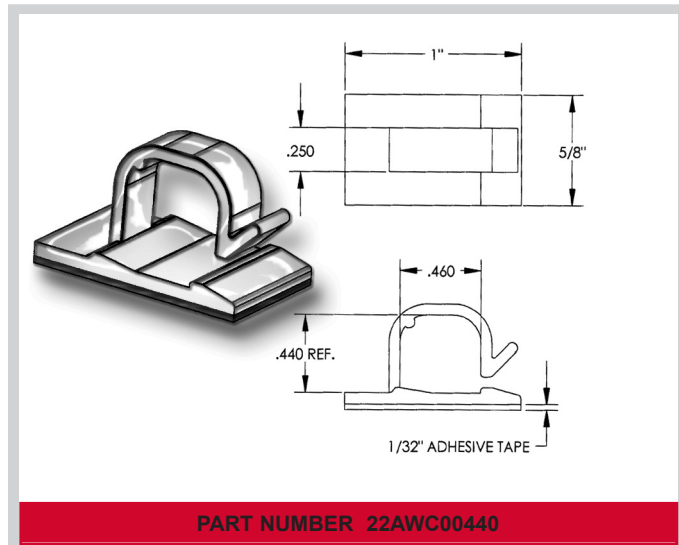
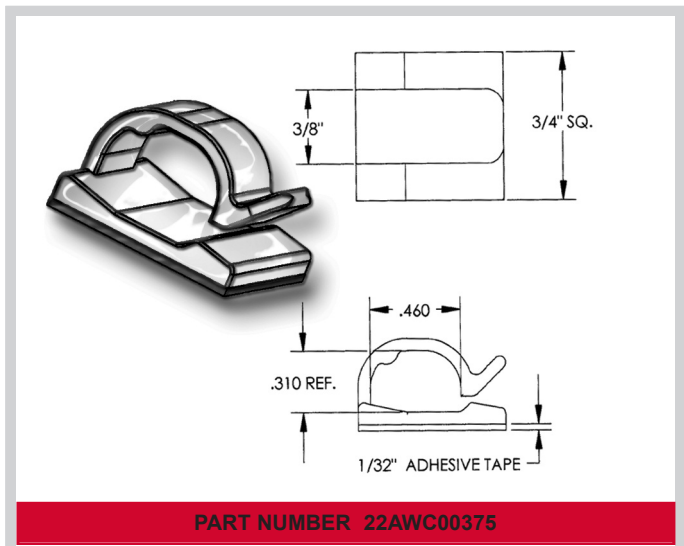
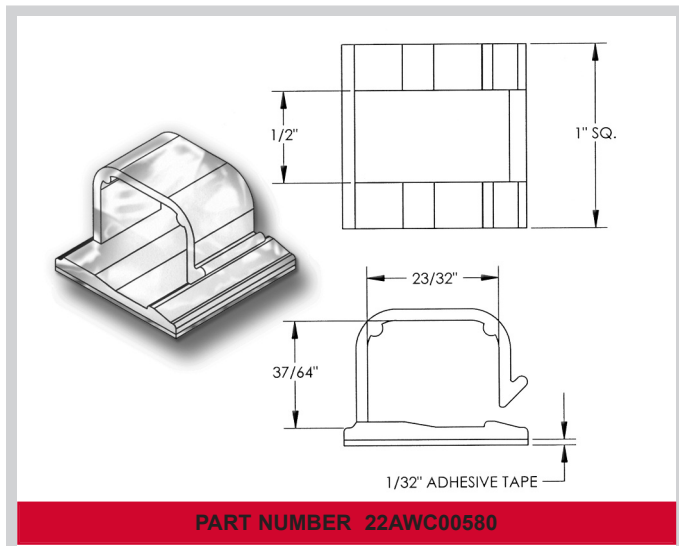
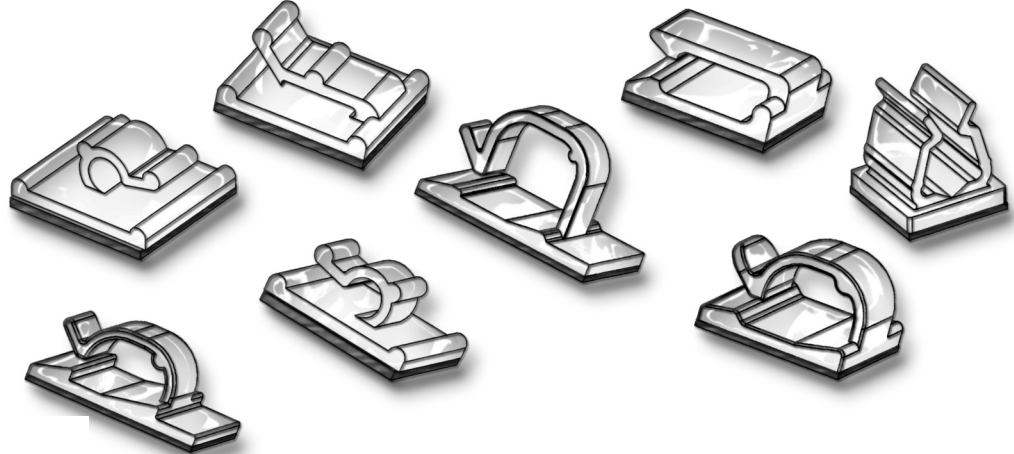
## SECTION VII

### RELEASABLE ADHESIVE BACKED WIRE CLIPS

Molded in **Natural Nylon 6/6** - Backed with **Polyethylene Foam Tape**

NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

Micro Plastics' Adhesive Backed Nylon Wire and Cable Clips are used to route wires and cables. The parts are backed with Polyethylene foam tape, and feature a releasable clip so wires can be removed after assembly if desired. Parts are stocked in natural, when ordering black parts add the letter "B" to the end of the part number.



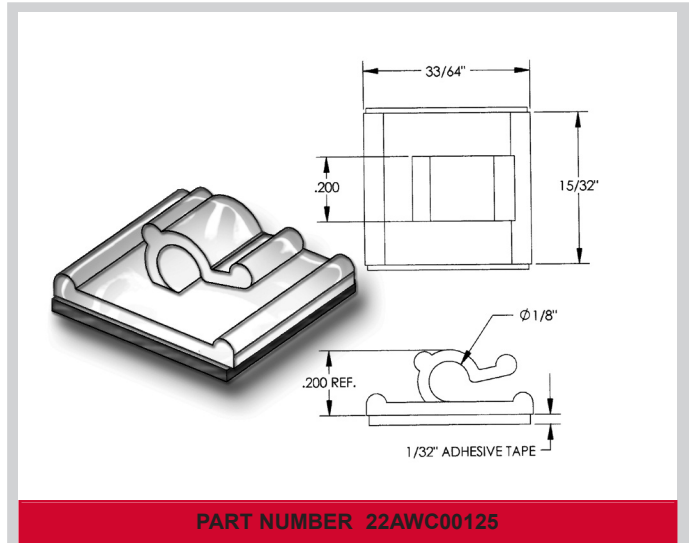
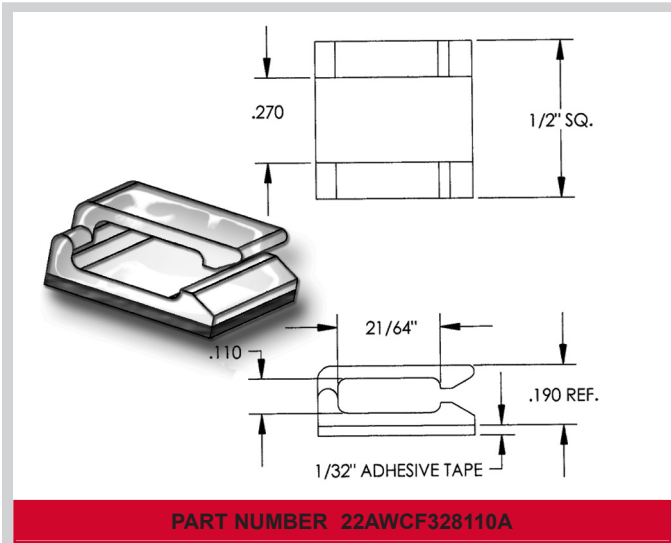
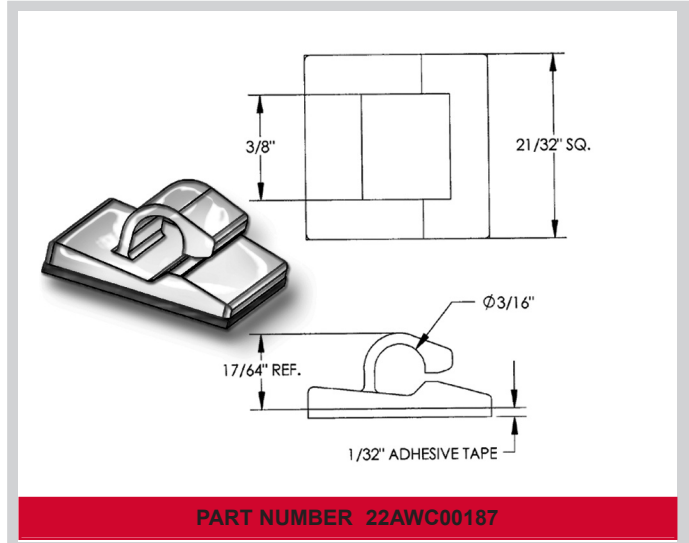
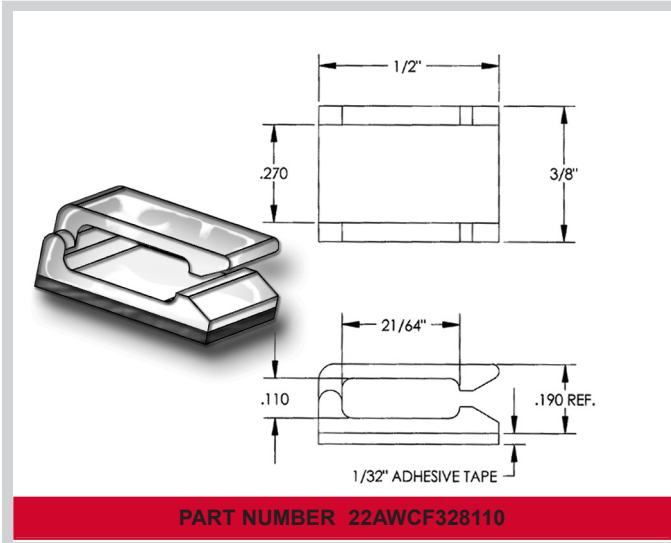
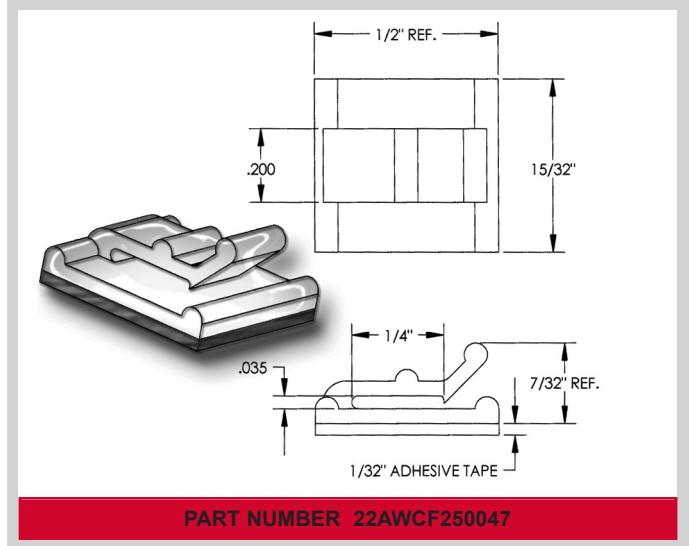
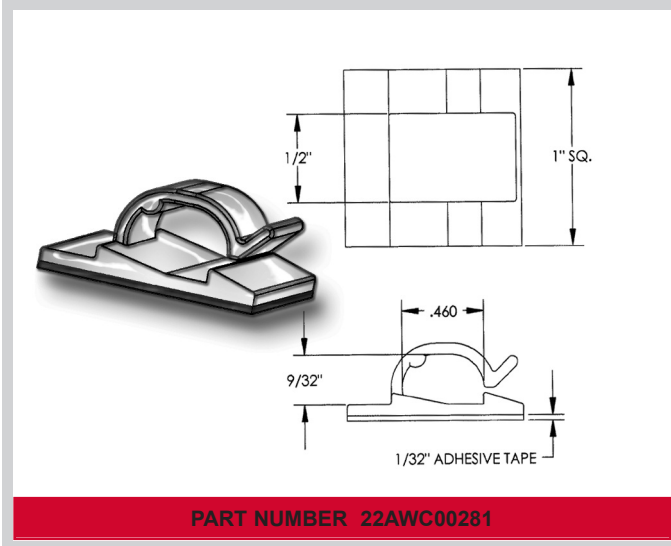
# WIRE HANDLING HARDWARE

## RELEASABLE ADHESIVE BACKED WIRE CLIPS

Molded in **Natural Nylon 6/6** - Backed with **Polyethylene Foam Tape**

NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

SECTION  
VII



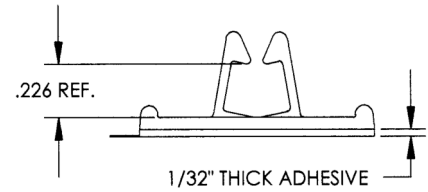
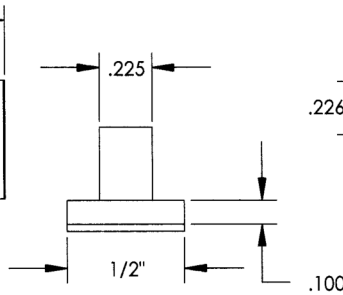
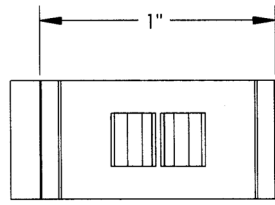
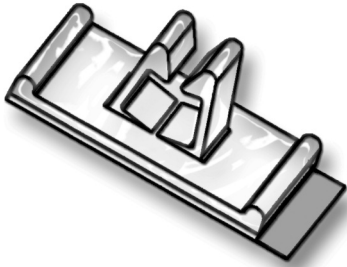
# WIRE HANDLING HARDWARE

## SECTION VII

### WIRE CLIP WITH TAB ADHESIVE BACKED

**Molded in Natural Nylon 6/6** NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

Micro Plastics' Adhesive Backed Wire Clip with handy release tab. Molded in natural colored Nylon 6/6 material. Clip is backed with double coated Polyethylene foam tape. Foam tape uses a strong and durable acrylic adhesive. Wire clip features a releasable clip design so wires can be removed after assembly.

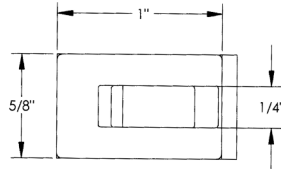
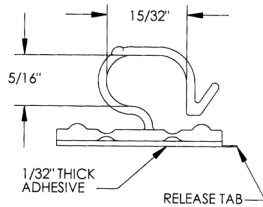
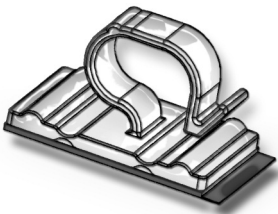
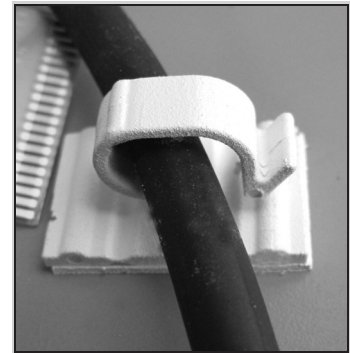


ITEM NUMBER	LENGTH	CLIP THICKNESS	MOUNTING THICKNESS WITHOUT ADHESIVE	WIDTH	ADHESIVE WITH TAB
22AWC250220TAB	1" (25,40)	.225 (5,72)	.100 (2,54)	1/2" (12,70)	1/32" (7,94)

### CONTOUR CLIP

**Molded in Natural Nylon 6/6**

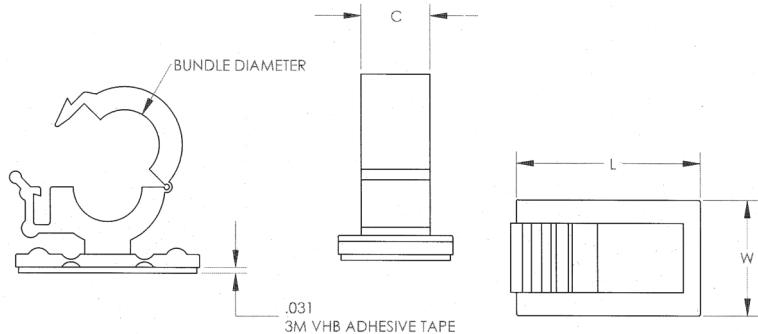
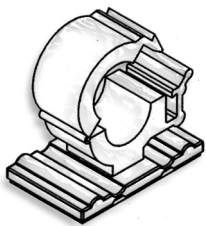
The adhesive-backed part incorporates new design consisting of a hinge type movement in the base which flexes to fit convex or concave surfaces. This flexible base allows the part to be used on cylindrical surfaces such as pipes or tubing, and on irregular surfaces - even around corners. The part is molded from nylon and is applied with our standard adhesive-backed tape with an extended paper liner for easy removal of the liner. The part is also available with 3M's VHB (very high bond) tape which develops a high-strength, epoxy type bonding.



ITEM NUMBER	DESCRIPTION
22CAWC00440TAB	Contour Clip
22CAWC00440VHBTAB	Contour Clip (VHB)

### RELEASABLE CONTOUR CLIP

**Molded in Natural Nylon 6/6**



ITEM NUMBER	L	W	C	BUNDLE DIAMETER
22CAWC00375	1" (25,40)	5/8" (15,88)	3/8" (9,53)	3/8" (9,53)
22CAWC00375VHB	1" (25,40)	5/8" (15,88)	3/8" (9,53)	3/8" (9,53)



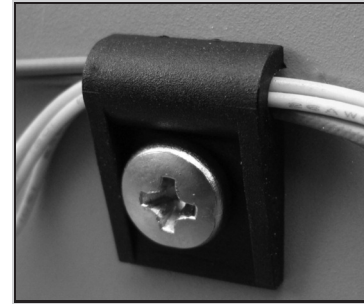
# WIRE HANDLING HARDWARE

SECTION  
VII

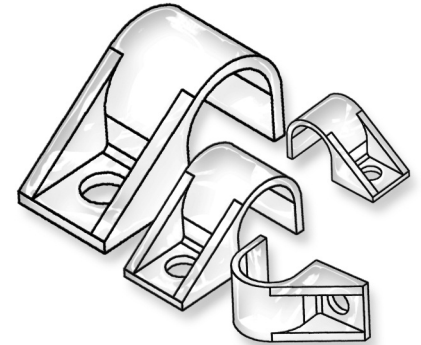
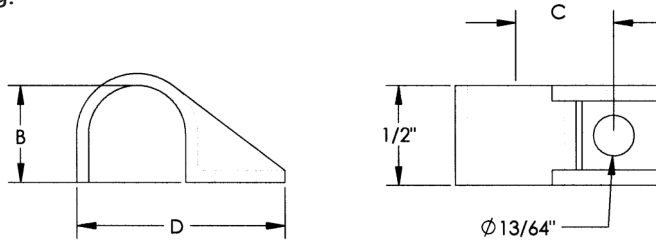
## HEAVY DUTY CABLE CLIPS

Molded in **Natural Nylon 6/6**

Micro Plastics' Nylon Heavy Duty Cable Clips are designed for cable and wire applications involving greater than usual loads or connections of critical nature. The rugged clip has reinforced side flanges for additional strength and rigidity. Compact design allows this clip to be used on corners, edges or where space is limited. Clip has hole for screw mounting.



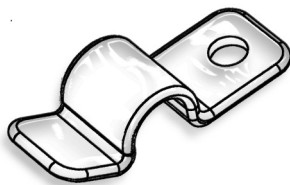
Available in size range for 1/8" to 1/2" diameter cable.



ITEM NUMBER	DESCRIPTION	"B"	"C"	"D" REF.
22HDCC1250	1/8" Hvy. dty. Clip	.115 (2,92)	.307 (7,80)	.675 (17,14)
22HDCC1720	3/16" Hvy. dty. Clip	.172 (4,37)	.328 (8,33)	.732 (18,59)
22HDCC2340	1/4" Hvy. dty. Clip	.234 (5,95)	.366 (9,30)	.793 (20,14)
22HDCC2970	5/16" Hvy. dty. Clip	.297 (7,54)	.400 (10,16)	.859 (21,83)
22HDCC3590	3/8" Hvy. dty. Clip	.359 (9,13)	.430 (10,92)	.910 (23,11)
22HDCC4220	7/16" Hvy. dty. Clip	.422 (10,72)	.460 (11,68)	.980 (24,89)
22HDCC4840	1/2" Hvy. dty. Clip	.484 (12,30)	.492 (12,50)	1.044 (26,52)

## WIRE CLIP

Molded in **Natural Nylon 6/6**

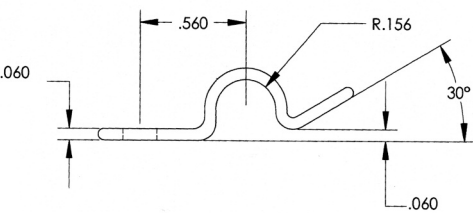
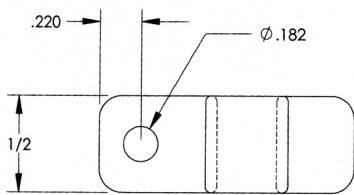


## SPRING CLIP

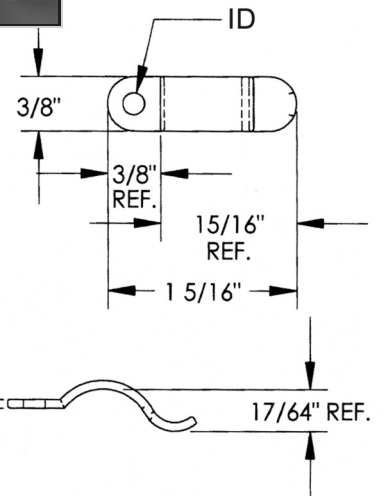
Molded in **Natural Nylon 6/6**



Nylon Wire Clips provide fast, secure assembly and routing of wires, standard round cable, flat cable and tubing. Nylon Spring Clips provide fast, secure assembly and routing of wires, standard round cable, flat cable and tubing. The Spring Clip can also be used to mount panels, glass, displays, or signs. To inspect, add or replace wires, simply pull back clip to allow placement. The tough, flexible nylon clip will spring back to hold the material securely. All contact edges are rounded for product protection.



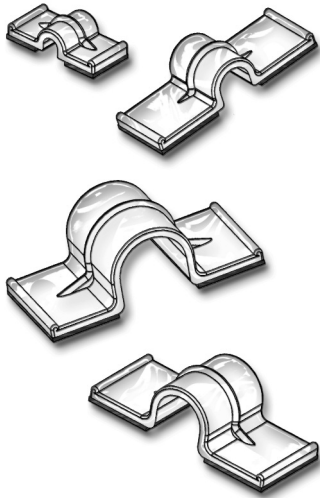
ITEM NUMBER	DESCRIPTION
22WC500312	1/2 (12,70) X .312 (7,94)



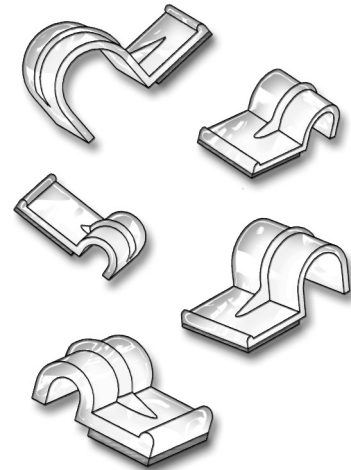
ITEM NUMBER	DESCRIPTION	ID
22SCP375132	3/8 (9,53) X .132 (3,35)	.150
22SCP375132A	3/8 (9,53) X .132 (3,35)	.179

# WIRE HANDLING HARDWARE

## SECTION VII

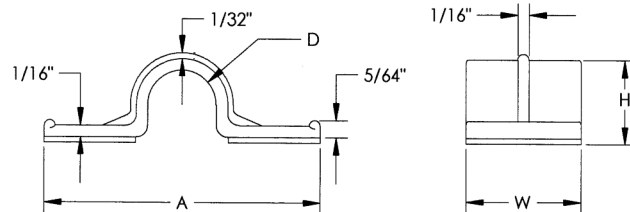
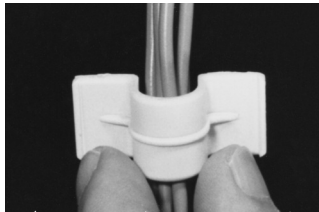


Double and single press clips are the convenient and fast way to install wires and cable to almost any surface. Tough, corrosion resistant nylon 6/6 clip is backed with a quality foam adhesive tape. The double clip design develops greater shear loads and holding power and are supplied on easy-to-use perforated liner strips in sets of 6 to 10 pieces. The single clip is designed to be used in areas where space is limited or in corners or edges and are supplied on easy-to-use perforated liner strips in sets of 6 to 10 pieces. To install, simply pull the clip off of the liner strip and press into place. No holes to drill or screw to turn. Nylon press clips provide a low in-place assembly that is quick and permanent. Polyethylene foam tape has excellent conformability, high temperature and solvent resistance and high ultimate bond strength.



## DOUBLE ADHESIVE BACKED CABLE CLIPS

Molded in **Natural Nylon 6/6** - **1/32" Adhesive Tape**

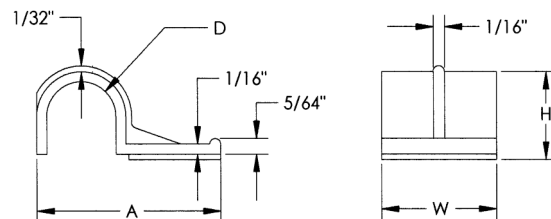


ITEM NUMBER	DESCRIPTION	"D"	"A" *	"H"	"W"
** 22DPC13037	1/8" DBLE CLIP	1/8" (3,18)	.760 (19,30)	.216 (5,49)	3/8" (9,53)
** 22DPC15637	5/32" DBLE CLIP	5/32" (3,96)	1.281 (32,54)	.248 (6,30)	3/8" (9,53)
** 22DPC25550	1/4" DBLE CLIP	1/4" (6,35)	1.380 (35,05)	.326 (8,28)	1/2" (12,70)
* 22DPC38062	3/8" DBLE CLIP	3/8" (9,53)	1.505 (38,23)	.455 (11,56)	5/8" (15,88)
* 22DPC50575	1/2" DBLE CLIP	1/2" (12,70)	1.600 (40,64)	.580 (14,73)	3/4" (19,05)

## SINGLE ADHESIVE BACKED CABLE CLIPS

Molded in **Natural Nylon 6/6** - **1/32" Adhesive Tape**

\*Packaged 50 pcs. per roll  
\*\*Packaged 100 pcs. per roll



ITEM NUMBER	DESCRIPTION	"D"	"A" *	"H"	"W"
** 22SPC13037	1/8" SNGL CLIP	1/8" (3,18)	.493 (12,52)	.217 (5,51)	3/8" (9,53)
** 22SPC20000	13/64" SNGL CLIP	13/64" (5,16)	.808 (20,53)	.289 (7,34)	1/2" (12,70)
** 22SPC25550	1/4" SNGL CLIP	1/4" (6,35)	.865 (21,97)	.343 (8,71)	1/2" (12,70)
** 22SPC38562	3/8" SNGL CLIP	3/8" (9,53)	1.000 (25,40)	.475 (12,07)	5/8" (15,88)
* 22SPC50575	1/2" SNGL CLIP	1/2" (12,70)	1.125 (28,58)	.593 (15,06)	3/4" (19,05)



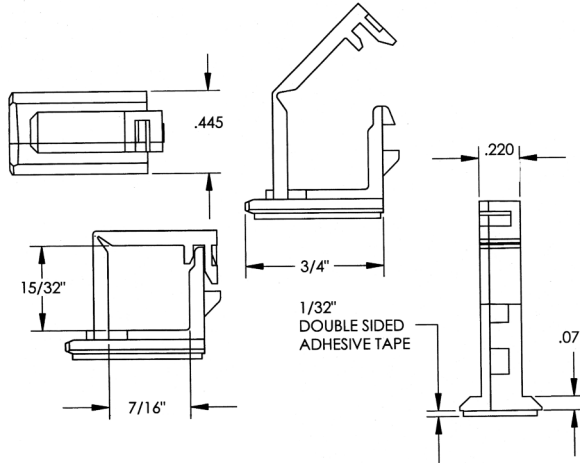
## ADHESIVE BASED RELEASABLE WIRE CLIP

**Molded in Natural Nylon 6/6** NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

Adhesive based releasable wire clip has a unique positive latch design for multiple open/close cycles for adding or removing wires. Part is molded in Natural Nylon 6/6 with double coated foam tape for easy installation without mounting screws or holes for push mounts.



ITEM NUMBER  
22AWC438469



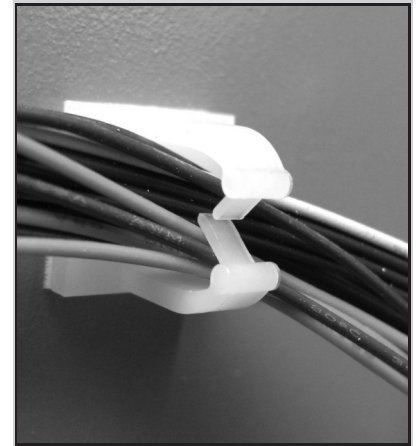
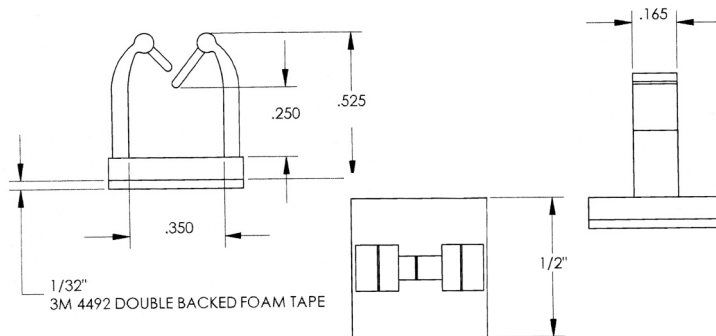
## MINIATURE WIRE SADDLE ON ADHESIVE BASE

**Molded in Natural Nylon 6/6**

Micro Plastics' adhesive based clip eliminates the need for mounting holes. Due to the small base design, this part is good for space saving applications.

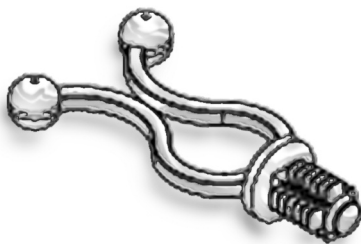


ITEM NUMBER  
22MWCA350500

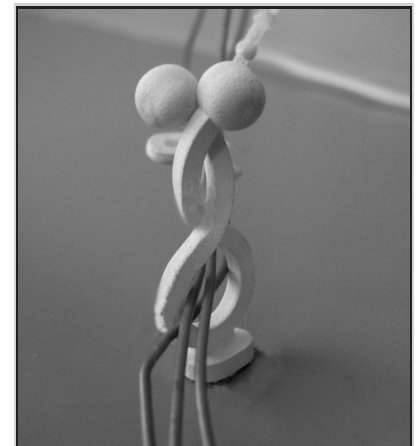
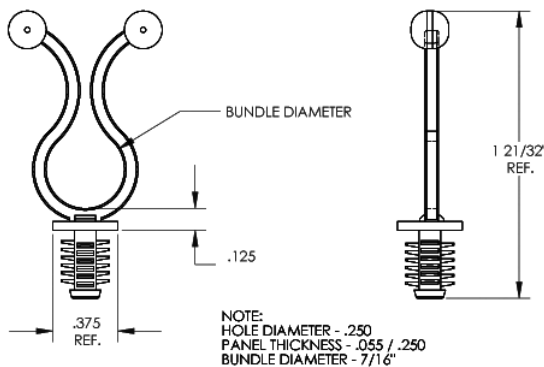


## "EZ" TWIST LOCK SUPPORT

**Molded in Natural Nylon 6/6**



ITEM NUMBER  
23EZFO44C012



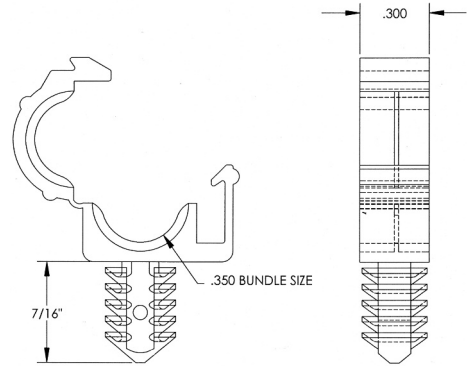
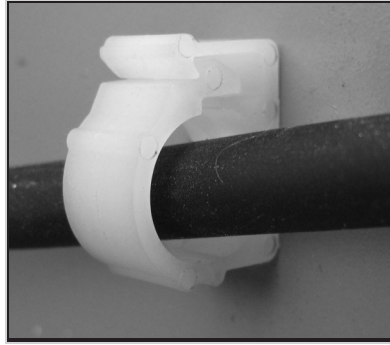
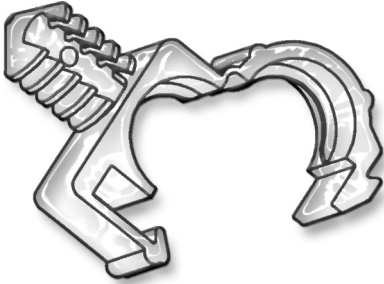
# WIRE HANDLING HARDWARE

SECTION  
**VII**

## "SPECIAL ITEM" RELEASABLE CLAMP ON FIN CLIP BASE

Molded in **Natural Nylon 6/6**

NOTES  
HOLE SIZE - .256  
PANEL THICKNESS - .020/.203

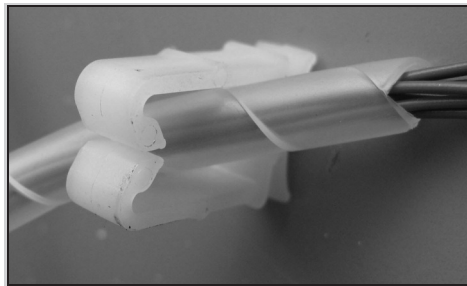
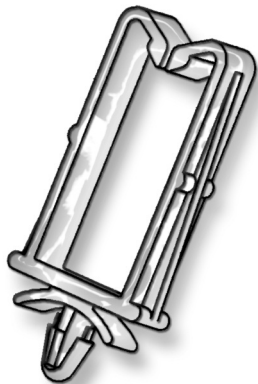
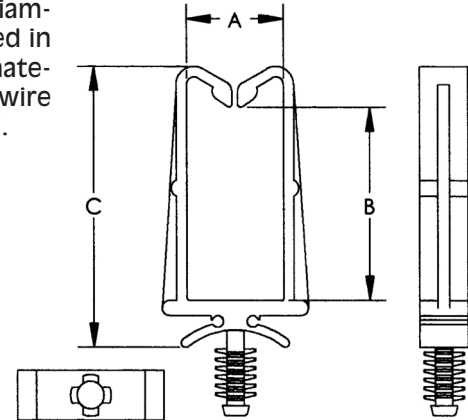
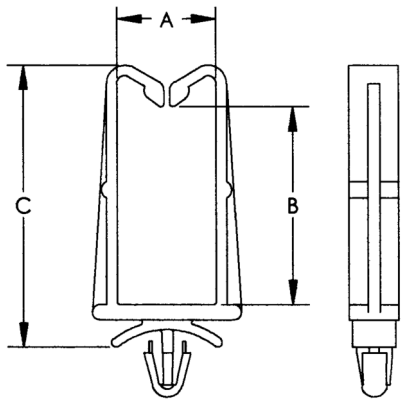


ITEM NUMBER  
23RCFB035C

## WIRE/CABLE HOLDERS

Molded in **Natural Nylon 6/6**

Micro Plastics' Wire/Cable Holders are designed to mount into 3/16 hole diameters. Wire/Cable Holders can be used in a variety of panel thicknesses and materials. Sizes are available to handle wire bundle diameters from .375" to .500".



22WHA\_SERIES

22WHB\_SERIES

ITEM NUMBER	A	B	C	HOLE DIA.	PANEL RANGE
22WHA375050	.375 (9,53)	.500 (12,70)	.922 (23,42)	.187 (4,76)	VARIABLE
22WHA375075	.375 (9,53)	.750 (19,05)	1.172 (29,80)	.187 (4,76)	VARIABLE
22WHA500075	.500 (12,70)	.750 (19,05)	1.219 (30,96)	.187 (4,76)	VARIABLE
22WHA500100	.500 (12,70)	1 (25,40)	1.425 (36,20)	.187 (4,76)	VARIABLE
22WHB375050	.375 (9,53)	.500 (12,70)	.900 (22,86)	.187 (4,76)	.030 (0,76)/.093 (2,36)
22WHB375075	.375 (9,53)	.750 (19,05)	1.172 (29,80)	.187 (4,76)	.030 (0,76)/.093 (2,36)
22WHB500075	.500 (12,70)	.750 (19,05)	1.200 (30,48)	.187 (4,76)	.030 (0,76)/.093 (2,36)
22WHB500100	.500 (12,70)	1 (25,40)	1.425 (36,20)	.187 (4,76)	.030 (0,76)/.093 (2,36)

**METRIC Sizes**  
Also Available

Page 284

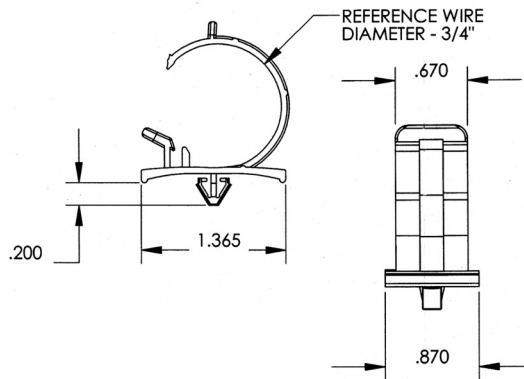


# WIRE HANDLING HARDWARE

SECTION  
VII

## WIRE CLIP WITH PUSH-IN MOUNT Molded in **Natural Nylon 6/6**

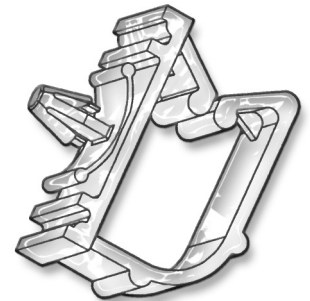
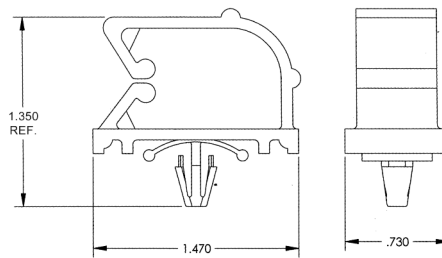
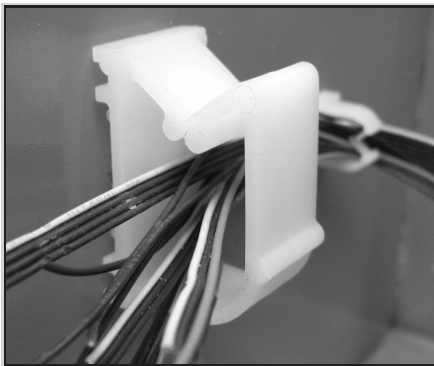
Part is designed to mount in a .250 diameter hole in a .020 to .070 thick panel. Part can be opened and closed multiple times for adding or removing wires. Maximum wire bundle diameter is 3/4 inch. Large contoured base assures a stable mounting.



ITEM NUMBER  
22SEAPM250750

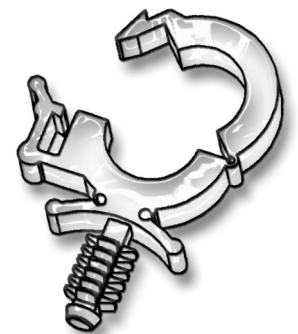
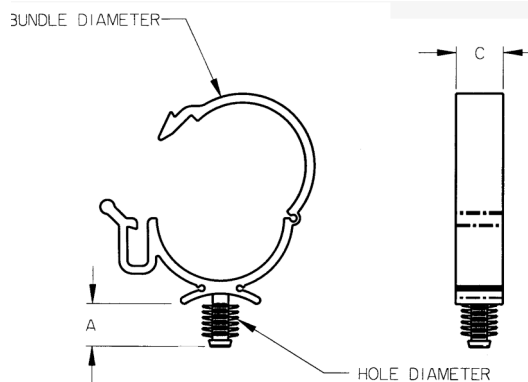
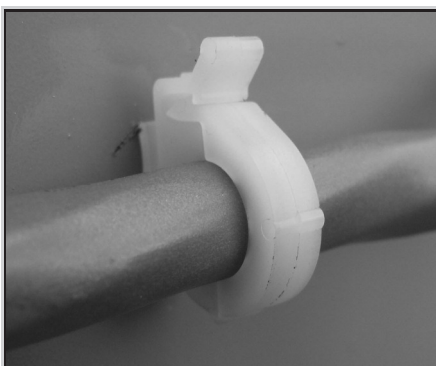
## WIRE CLIP WITH PUSH-IN MOUNT Molded in **Natural Nylon 6/6**

Micro Plastics side entry wire routing clip with push-in mount  
CLIP TO FIT A .250 HOLE WITH A PANEL UP TO .105  
MAXIMUM BUNDLE DIAMETER IS .750



ITEM NUMBER  
22SEWC750100

## RELEASABLE CLAMP ON FIN CLIP BASE Molded in **Natural Nylon 6/6**



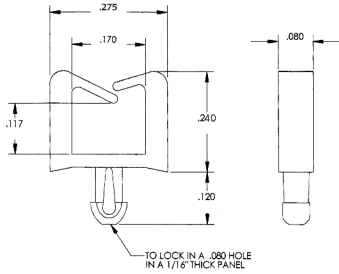
ITEM NUMBER	A	C	BUNDLE DIA.	HOLE DIA.	PANEL RANGE
23RCFB037	.344 (8,74)	.187 (4,75)	.375 (9,53)	.187 (4,75)	VARIABLE
23RCFB050	.344 (8,74)	.187 (4,75)	.500 (12,70)	.187 (4,75)	VARIABLE
23RCFB05025	.344 (8,74)	.187 (4,75)	.500 (12,70)	.250 (6,35)	VARIABLE
23RCFB100	.344 (8,74)	.375 (9,53)	1 (25,40)	.250 (6,35)	VARIABLE

# WIRE HANDLING HARDWARE

## SECTION VII

### MICRO WIRE CLIP

Molded in **Natural Nylon 6/6**



Micro Plastics' micro wire clips are molded in Nylon 6/6 material. They can be used on densely packed PC boards or any other limited space applications. Holds up to ten 25 gauge wires (1/32 outside diameter). Wires install easily by pressing down on retaining arms which flex to accept wire then spring back into place.



**Watch Instructional Video**

[mms://www.microplastics.com/productvideos/MicroWireClip.asf](https://www.microplastics.com/productvideos/MicroWireClip.asf)

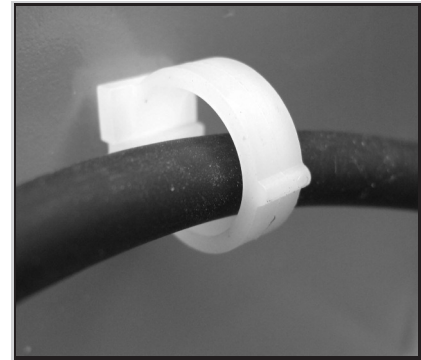
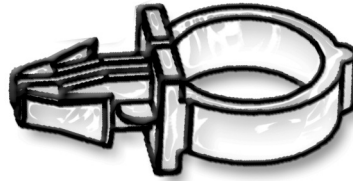
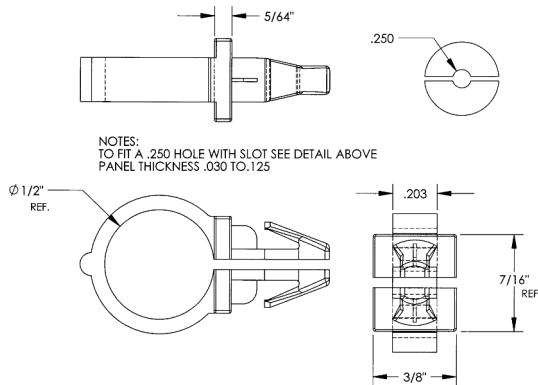
ITEM NUMBER

22MWC170120

### SPLIT WIRE ROUTING CLIP

Molded in **Natural Nylon 6/6**

The split wire routing design allows loading of wires by separating the cup at the split and then inserting the prongs of the clip into a hole in the panel.



PART NUMBER

23SWRC250500

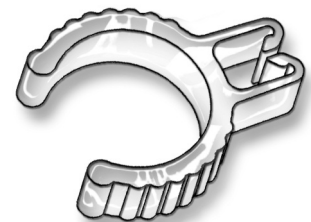
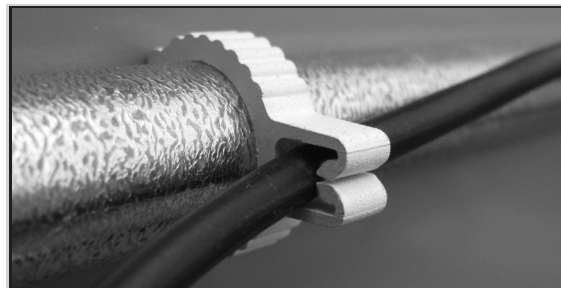
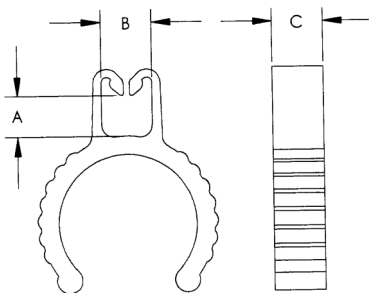
DESCRIPTION

SPLIT WIRE ROUTING CLIP

### CONDUIT CLIPS

Molded in **Natural Nylon 6/6**

Various wiring, such as telephone wire, is often routed with electrical conduit. "Conduit clips" are designed to snap onto electrical conduit. The integrated wireholder on the clip allows wiring to be secured to the conduit. Installation is faster and easier than with a wire tie, which is often used for this purpose. The clip can be easily removed if necessary. Two sizes are available for 1/2" and 3/4" ID conduit, which will accommodate various wire sizes up to 5/16" diameter. Parts are molded in light weight, chemical and corrosion resistant nylon 6/6.



**PATENTED**

ITEM NUMBER

DESCRIPTION

A

B

C

CONDUIT SIZE

23CDC05025

1/2" CONDUIT CLIP

.200 (5,08)

.250 (6,35)

.250 (6,35)

1/2" (12,70)

23CDC07531

3/4" CONDUIT CLIP

.312 (7,92)

.312 (7,92)

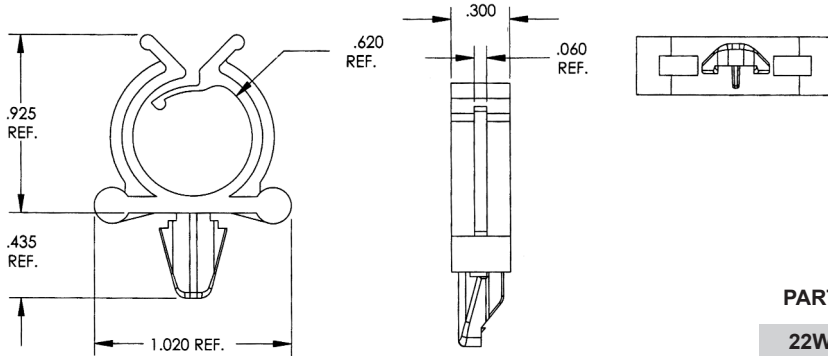
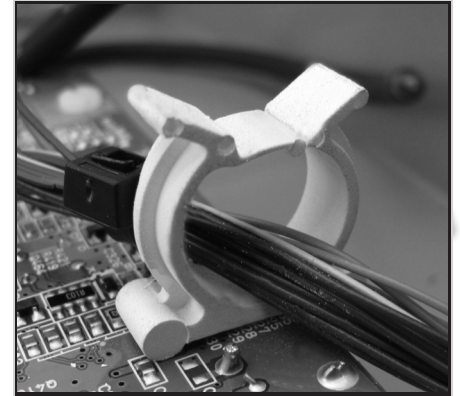
.250 (6,35)

3/4" (19,05)

## CORD CLIP WITH PUSH MOUNT

Molded in **Natural Nylon 6/6**

Micro Plastics' cord clip is designed with a 5/8" (15,88) bundle diameter. To mount into a 1/4" (6,35) diameter hole. Cord clip is used to organize wires, cords and cables. Parts are molded in UL Recognized Nylon 6/6.



PART NUMBER

PANEL THICKNESS

22WCPM062250

1/16 (1,57)

## NYLON FUEL LINE CLIP

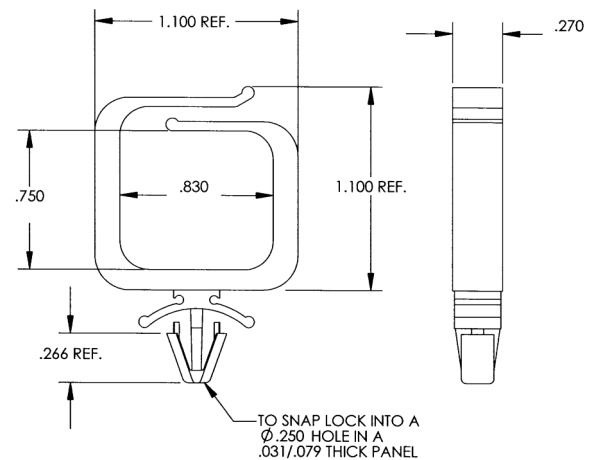
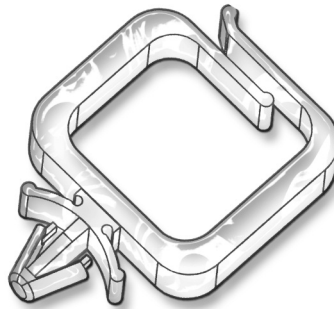
Molded in **Natural Nylon 6/6**

Micro Plastics' Fuel line Clip is molded Nylon 6/6 material that is resistant to oil and gasoline. Part snaps into a .031" to .079" panel thickness. Clip can be used for routing tubes and cables.

Material is rated UL94-V2

ITEM NUMBER

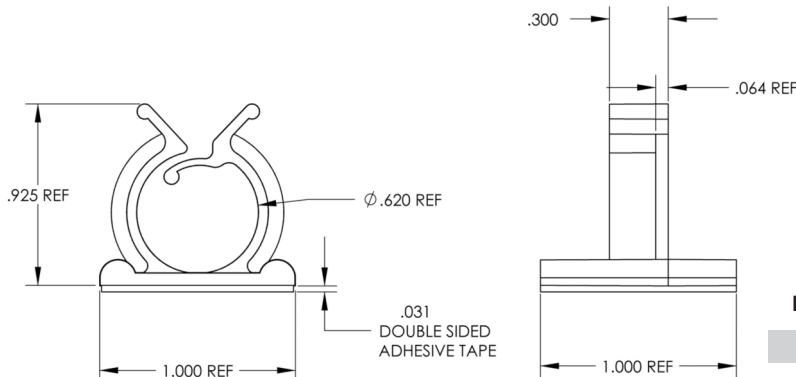
22FLC750830



## CORD CLIP WITH ADHESIVE BASED MOUNT

Molded in **Black Nylon 6/6** NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

Micro Plastics' cord clip is designed with a 5/8" (15,88) bundle diameter. Cord clip is used to organize wires, cords and cables. Parts are molded in UL Recognized Black Nylon 6/6 with double coated foam tape for easy installation with out mounting screws.



PART NUMBER

BUNDLE DIAMETER

22AWC00625

5/8" (15,88)

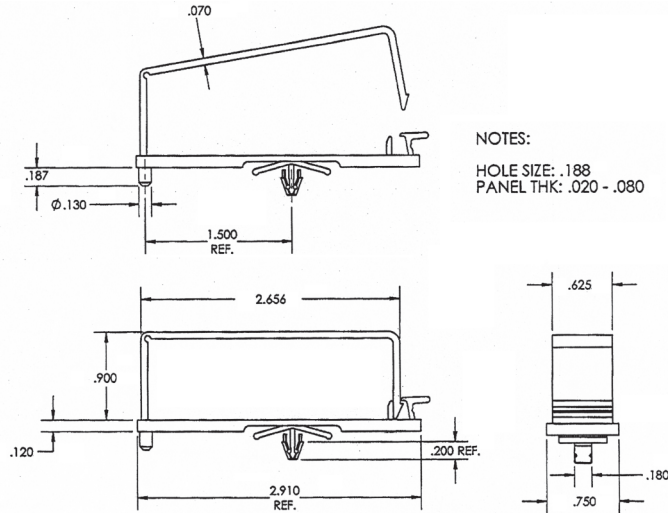


# WIRE HANDLING HARDWARE

SECTION  
**VII**

## WIRE CLIP

Molded in **Natural Nylon 6/6**



NOTES:  
HOLE SIZE: .188  
PANEL THK: .020 - .080

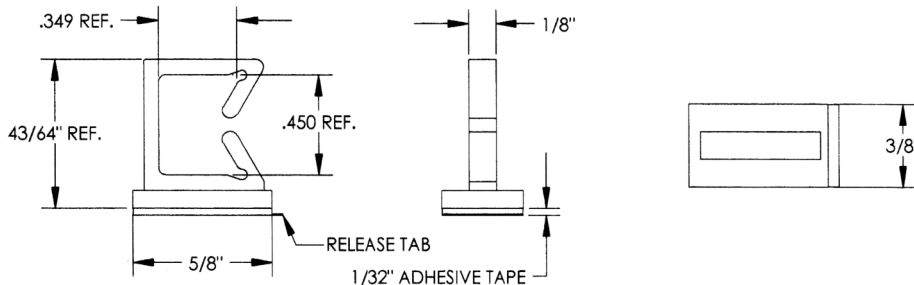
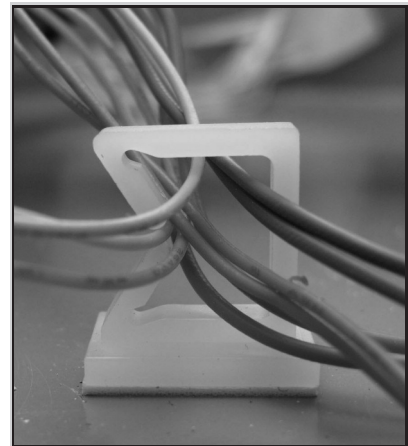
ITEM NUMBER

22ACC812265

## RELEASABLE ADHESIVE BACKED WIRE CLIPS

Molded in **Natural Nylon 6/6** - Backed With **Polyethylene foam tape**

Micro Plastics' Releasable Adhesive Backed Wire Clip with handy release tab is used to route wires and cables. Molded in UL recognized Nylon 6/6 with double coated Polyethylene foam tape. Clip has side entry for ease of wire installation.



ITEM NUMBER

DESCRIPTION

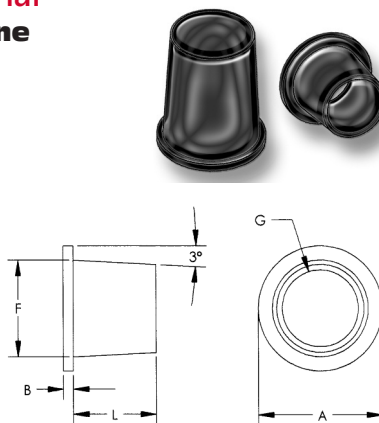
22AWC350450TAB

Releasable Adhesive Clip

## LAMP SNAP BUSHINGS "internal"

Molded in **Black Hi-density Polyethylene**

Micro Plastics' Lamp Snap Bushings are an economical approach to the protection of lampcord insulation, from the sharp and often burred ends of the standard threaded pipe used in lamp manufacture. Bushings are molded of black Hi-density Polyethylene, to allow flexibility for easy installation, and durability for long lasting cord protection.



ITEM NUMBER	DESCRIPTION	L	A	B	F	G
04MP0125SB	1/8" SNAP	1/4" (6,35)	3/8" (9,53)	1/32" (0,79)	.298 (7,57)	.230 (5,84)
04MP0250SB	1/4" SNAP	15/32" (11,9)	27/64" (10,72)	1/32" (0,79)	.375 (9,53)	.312 (7,94)

Minimum order quantity 1,000 pieces.

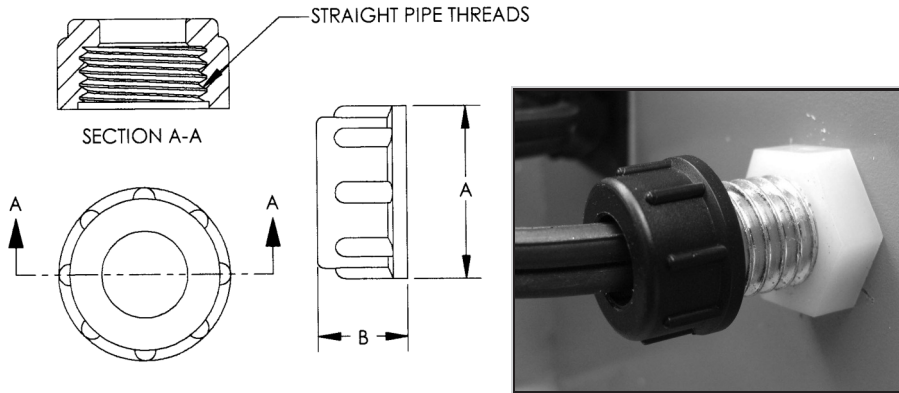




# WIRE HANDLING HARDWARE

SECTION VII

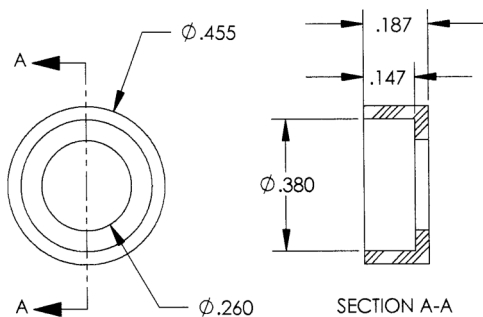
Micro Plastics' Threaded Lampcord Bushings are molded in tough Black Heat Stabilized Nylon (Underwriters Laboratories Rated 94V2, Temperature Index 105°C). Micro Plastics has available from stock the most popular sizes of Threaded Lampcord Bushings. These bushings are designed to protect the electrical lampcord from the knife-edge of the threaded pipe used in light fixtures. They will easily thread onto standard lamp fixture 1/8 NPS and 1/4 NPS threaded ends. Micro Plastics' bushings will provide reliable, safe and insulated connections. Micro Plastics' has available from stock the most popular sizes of Threaded Lampcord Bushings.



## THREADED LAMPCORD BUSHINGS

Molded in **Black H.S. Nylon UL 94V2**

ITEM NUMBER	DESCRIPTION	A	B
04MP0125TLB	1/8 NPS	19/32" (15,08)	9/32" (7,14)
04MP0250TLB	1/4 NPS	23/32" (18,26)	3/8" (9,53)
04MP0375TLB	3/8 NPS	7/8" (22,23)	7/16" (11,11)
04MP0500TLB	1/2 NPS	1 1/16" (27,00)	3/8" (9,53)



Micro Plastics' external lamp snap bushings are an economical approach to the protection of lampcord insulation, from the sharp and often burred ends of the standard threaded pipe used in lamp manufacture. Bushings are molded of Black Hi-density Polyethylene to allow flexibility for easy installation and durability for long lasting cord protection.



MINIMUM ORDER QUANTITY 1000 PCS.

## LAMP SNAP BUSHING "external"

Molded in **Black High Density Polyethylene**

ITEM NUMBER	OD	ID	THICKNESS	COUNTER BORE DIAMETER	COUNTER BORE DEPTH
04MP0125SBOD	.455 (11,56)	.260 (6,60)	.187 (4,75)	.380 (9,65)	.147 (3,73)

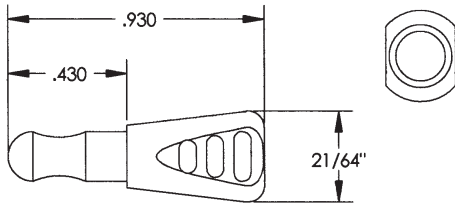
# WIRE HANDLING HARDWARE

## SECTION VII

### DUMMY PLUGS

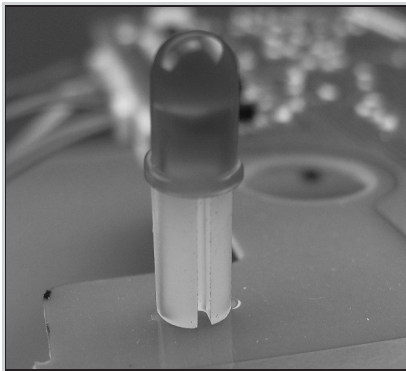
Molded in **Black Nylon 6/6**

Micro Plastics' Dummy Plugs are designed to electrically isolate unused bullet type "female" terminals in wiring harnesses, to prevent short circuits due to harness movement. Molded of tough electrical-insulating black Nylon, these plugs are easily inserted with normal hand pressure and removable for addition of electrical accessories.



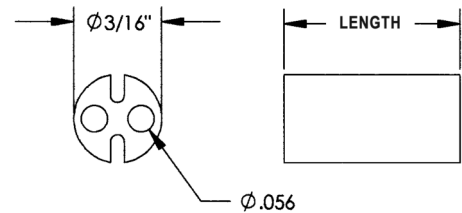
**ITEM NUMBER**

DP401030



### LED SPACER

Molded in **Natural Nylon 6/6**

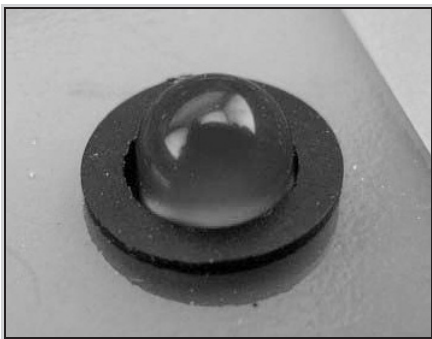


ITEM NUMBER	OD	ID	LENGTH
27LED2SP0250	3/16" (4,76)	.056" (1,42)	1/4" (6,35)
27LED2SP0375	3/16" (4,76)	.056" (1,42)	3/8" (9,53)
27LED2SP0500	3/16" (4,76)	.056" (1,42)	1/2" (12,7)

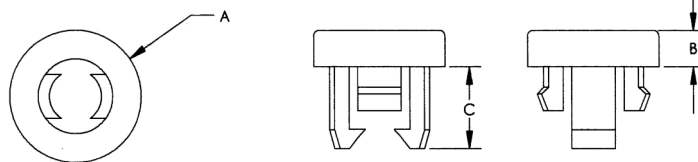
### LED HOLDERS

Molded in **Black H.S. Nylon**

LED Holders have been designed for standard T-1 3/4" LEDs. Snap LED Holder into the panel, then snap the LED into the holder.



FOR STANDARD LED T - 1 3/4



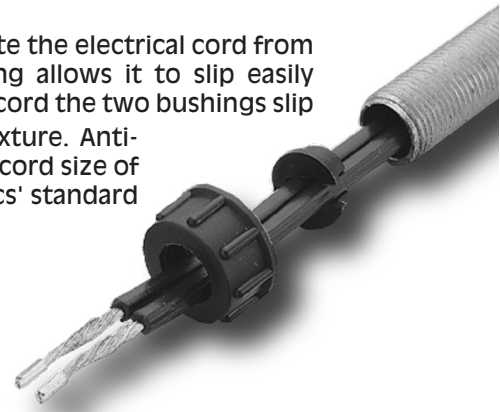
ITEM NUMBER	A	B	C	HOLE SIZE	PANEL RANGE
27LEDH01	.317 (8,05)	.025 (0,64)	.250 (6,35)	.240 / .247 (6,10) / (6,27)	.070 (1,78)
27LEDH02	.357 (9,07)	.098 (2,49)	.220 (5,59)	.281 / .287 (7,14) / (7,29)	.046 (1,17)



# WIRE HANDLING HARDWARE

SECTION VII

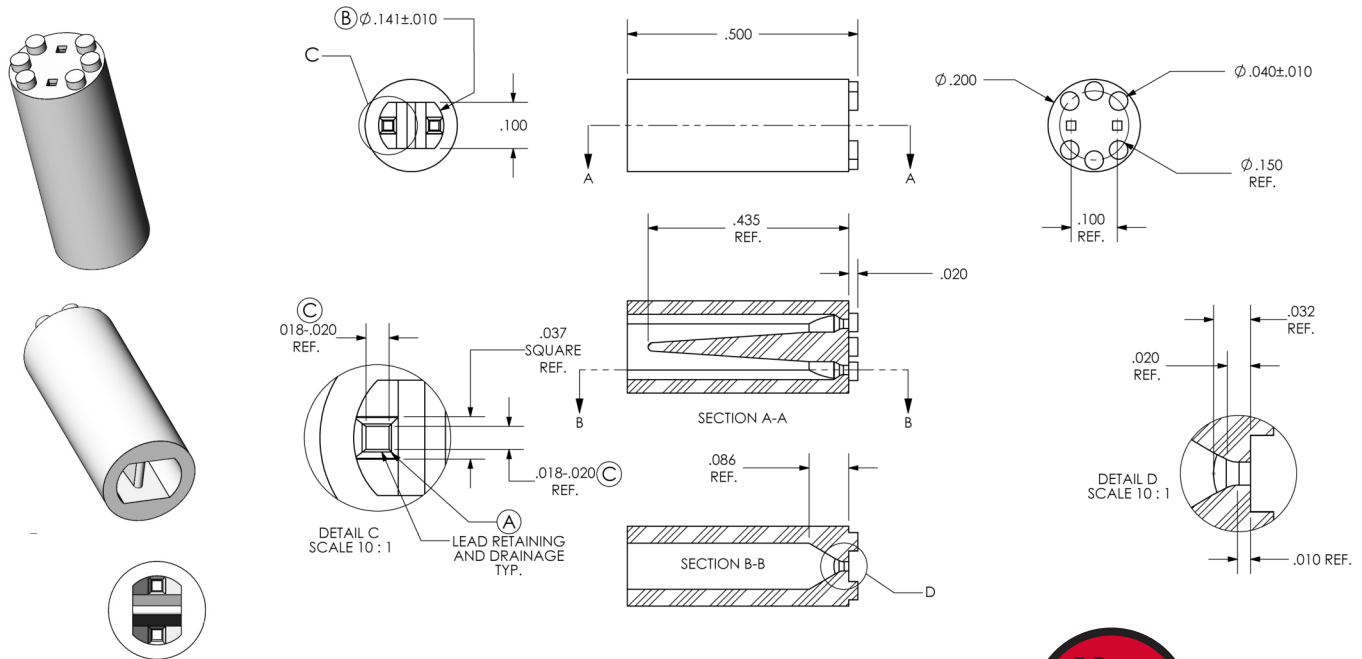
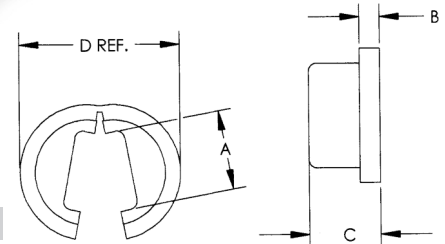
Micro Plastics' exclusive anti-twist design was developed to eliminate the electrical cord from twisting inside the lamp. Anti-Twist Bushings' convenient opening allows it to slip easily around the cord. When the Lampcord Bushing is threaded over the cord the two bushings slip together allowing for easy installation onto any standard lamp fixture. Anti-Twist Bushing fits a 1/8" pipe thread and accommodates a standard cord size of SPT-1, 18,2. The bushing was designed to be used with Micro Plastics' standard 1/8" Lamp Cord Bushing. Other sizes will be tooled upon request.



## ANTI-TWIST BUSHING

Molded in **Black Nylon 6/6**

ITEM NUMBER	DESCRIPTION	A	B	C	D Ref.
04MP0125ATB	1/8" ANTI-TWIST	.195 (4,95)	.050 (1,27)	.175 (4,44)	.390 (9,91)
04MP0250ATB	1/4" ANTI-TWIST	.195 (4,95)	.050 (1,27)	.175 (4,44)	.500 (12,70)



## SELF RETAINING LED MOUNTS

Molded in **Natural Nylon 6/6**

ITEM NUMBER	LENGTH
27LED SRM500	.500 (12,7)
27LED SRM520	.520 (13,2)
27LED SRM550	.550 (13,9)
27LED SRM570	.570 (14,4)
27LED SRM600	.600 (15,2)
27LED SRM620	.620 (15,7)

ITEM NUMBER	LENGTH
27LED SRM650	.650 (16,5)
27LED SRM700	.700 (17,7)
27LED SRM750	.750 (19,0)
27LED SRM800	.800 (20,3)
27LED SRM850	.850 (21,5)
27LED SRM900	.900 (22,8)
27LED SRM925	.925 (23,4)



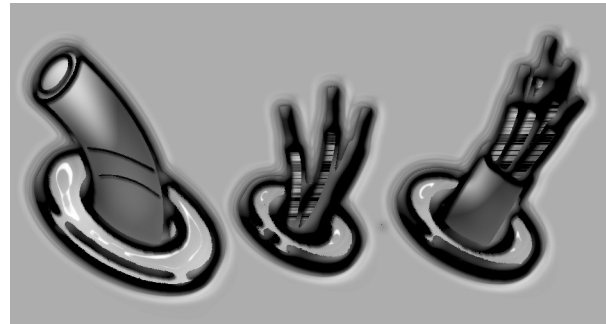
# WIRE HANDLING HARDWARE

## SECTION VII

Micro Plastics' bushings provide economical protection for wire, cable tubing, and hose from sharp, uneven drilled or punched holes in sheet metal. The tough, resilient heat stabilized nylon bushings are easily and positively snapped into position without tools. The bushings are the economical solution to insulate wire, cables, etc. from raw edges in compact designs where internal clearances are critical. Miniature bushings accommodate panels up to 1/16" thickness and require only 1/8" clearance.

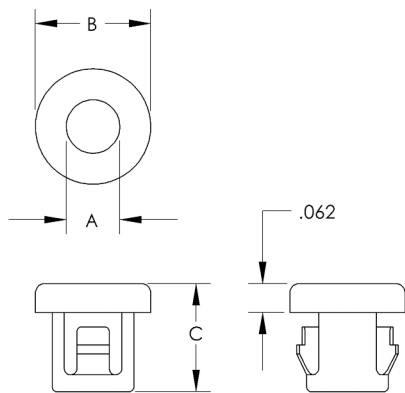
- \* MATERIAL HEAT STABILIZED NYLON UL 94V2
- \* TEMPERATURE INDEX 105 ° C
- \* STOCKED IN STANDARD BLACK
- \* COLORS AVAILABLE ON REQUEST

NOTE: +/- .015" TOLERANCES on B and C DIMENSIONS.



## MINIATURE INSULATING BUSHINGS

Molded in Black Heat Stabilized Nylon UL 94V2

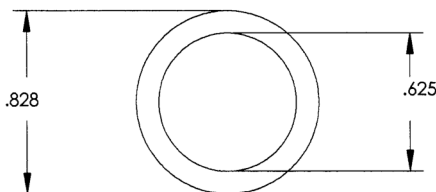


PART NUMBER	INSIDE DIA. "A"	HEAD DIA. "B"	THICKNESS "C"	HOLE DIA. (PANEL)
22MP01010	.125 (3,2)	.250 (6,4)	.234 (6,2)	.187 (4,8)
22MP01015	.250 (6,4)	.375 (9,5)	.234 (6,2)	.312 (8,0)
22MP01017	.250 (6,4)	.437 (11,10)	.250 (6,4)	.375 (9,53)
22MP01020	.343 (8,8)	.531 (13,5)	.250 (6,4)	.468 (11,9)
22MP01030	.375 (9,5)	.562 (14,3)	.250 (6,4)	.500 (12,7)
22MP01040	.406 (10,3)	.593 (15,2)	.250 (6,4)	.531 (13,5)
22MP01050	.500 (12,7)	.703 (17,9)	.250 (6,4)	.625 (15,9)
22MP01060	.625 (16,0)	.828 (21,0)	.250 (6,4)	.750 (19,0)
22MP01070	.625 (16,0)	.859 (21,5)	.250 (6,4)	.781 (19,9)
22MP01080	.750 (19,0)	.937 (23,8)	.250 (6,4)	.875 (22,2)

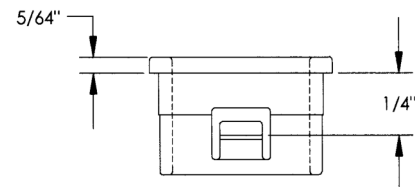
ALL ITEMS PACKAGED 1,000 PER BAG

## STANDARD INSULATING BUSHING

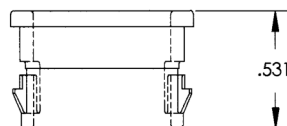
Molded in Black Heat Stabilized Nylon UL 94V2



NOTE:  
HOLE DIAMETER - .750  
MAXIMUM THICKNESS - .250



Packaged 1,000 pieces per bag.



PART NUMBER  
22MP07525



# WIRE HANDLING HARDWARE

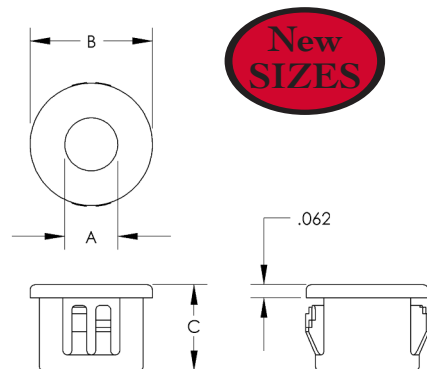
## STANDARD INSULATING BUSHINGS

SECTION  
VII

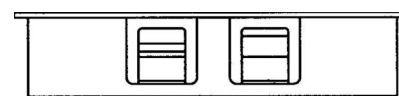
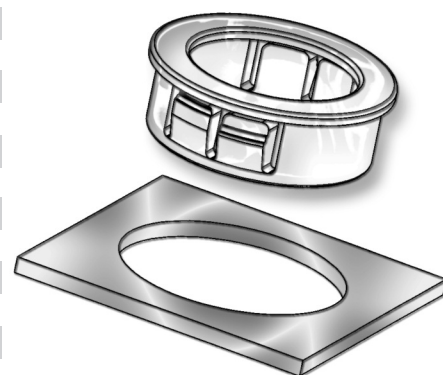
Molded in **Black Heat Stabilized Nylon UL 94V2**

These bushings are available in a large selection of sizes from 1/4" to 2" in various inside diameter openings. Standard bushings are designed with multiple locks to positively snap in panels ranging from 1/32" to 1/8" thickness. Standard bushings meet Underwriters Laboratories and Canadian Standards Association temperature and pull-out tests.

DESCRIPTION	PART DIMENSIONS				CHASSIS DIMENSIONS				
ITEM NUMBER	INSIDE DIA.	HEAD DIA.	THICKNESS	HOLE DIA.	MAXIMUM THK.				
* 22MP02502	.125 (3,2)	.312 (8,0)	.312 (8,0)	.250 (6,3)	.062 (1,6)				
* 22MP03123	.187 (4,8)	.375 (9,5)	.312 (8,0)	.312 (8,0)	.062 (1,6)				
* 22MP03753	.187 (4,8)	.468 (11,9)	.406 (10,3)	.375 (9,5)	.125 (3,2)				
* 22MP03754	.250 (6,3)	.468 (11,9)	.406 (10,3)	.375 (9,5)	.125 (3,2)				
* 22MP04374	.250 (6,3)	.531 (13,5)	.406 (10,3)	.437 (11,1)	.125 (3,2)				
* 22MP04375	.312 (8,0)	.531 (13,5)	.406 (10,3)	.437 (11,1)	.125 (3,2)				
* 22MP04376	.243 (6,2)	.531 (13,5)	.406 (10,3)	.437 (11,1)	.125 (3,2)				
* 22MP05004	.250 (6,3)	.578 (14,7)	.406 (10,3)	.500 (12,7)	.125 (3,2)				
* 22MP05005	.312 (8,0)	.578 (14,7)	.406 (10,3)	.500 (12,7)	.125 (3,2)				
* 22MP05006	.375 (9,5)	.578 (14,7)	.406 (10,3)	.500 (12,7)	.125 (3,2)				
* 22MP05625	.312 (8,0)	.656 (16,7)	.413 (10,4)	.562 (14,3)	.125 (3,2)				
* 22MP05626	.375 (9,5)	.656 (16,7)	.406 (10,3)	.562 (14,3)	.125 (3,2)				
* 22MP05627	.437 (11,1)	.656 (16,7)	.413 (10,4)	.562 (14,3)	.125 (3,2)				
* 22MP06254	.250 (6,3)	.718 (18,2)	.406 (10,3)	.625 (15,9)	.125 (3,2)				
* 22MP06257	.437 (11,1)	.718 (18,2)	.406 (10,3)	.625 (15,9)	.125 (3,2)				
* 22MP06258	.500 (12,7)	.718 (18,2)	.406 (10,3)	.625 (15,9)	.125 (3,2)				
* 22MP06878	.500 (12,7)	.781 (19,8)	.406 (10,3)	.687 (17,5)	.125 (3,2)				
* 22MP06879	.562 (14,3)	.781 (19,8)	.406 (10,3)	.687 (17,5)	.125 (3,2)				
* 22MP07506	.375 (9,5)	.843 (21,4)	.406 (10,3)	.750 (19,1)	.125 (3,2)				
* 22MP07508	.500 (12,7)	.843 (21,4)	.406 (10,3)	.750 (19,1)	.125 (3,2)				
* 22MP07509	.562 (14,3)	.843 (21,4)	.406 (10,3)	.750 (19,1)	.125 (3,2)				
* 22MP07510	.625 (15,9)	.843 (21,4)	.406 (10,3)	.750 (19,1)	.125 (3,2)				
* 22MP08109	.562 (14,3)	.890 (22,6)	.406 (10,3)	.812 (20,6)	.125 (3,2)				
* 22MP08110	.625 (15,9)	.890 (22,6)	.406 (10,3)	.812 (20,6)	.125 (3,2)				
** 22MP08706	.375 (9,5)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP08707	.437 (11,1)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP08708	.500 (12,7)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP08709	.562 (14,3)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP08710	.625 (15,9)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP08711	.687 (17,4)	.953 (24,2)	.453 (11,5)	.875 (22,2)	.125 (3,2)				
** 22MP10012	.750 (19,0)	1.125 (28,6)	.453 (11,5)	1.000 (25,4)	.125 (3,2)				
** 22MP10913	.812 (20,6)	1.218 (30,9)	.453 (11,5)	1.093 (27,8)	.125 (3,2)				
** 22MP10914	.875 (22,2)	1.218 (30,9)	.453 (11,5)	1.093 (27,8)	.125 (3,2)				
** 22MP10915	.937 (23,8)	1.218 (30,9)	.453 (11,5)	1.093 (27,8)	.125 (3,2)				
*** 22MP11815	.937 (23,8)	1.312 (33,3)	.453 (11,5)	1.187 (30,2)	.125 (3,2)				
*** 22MP12515	.937 (23,8)	1.359 (34,5)	.453 (11,5)	1.250 (31,7)	.125 (3,2)				
*** 22MP13716	1.000 (25,4)	1.468 (37,3)	.453 (11,5)	1.375 (34,9)	.125 (3,2)				
*** 22MP15017	1.062 (27,0)	1.609 (40,9)	.453 (11,5)	1.500 (38,1)	.125 (3,2)				
*** 22MP15018	1.125 (28,5)	1.609 (40,9)	.453 (11,5)	1.500 (38,1)	.125 (3,2)				
*** 22MP15021	1.312 (33,3)	1.609 (40,9)	.453 (11,5)	1.509 (38,3)	.125 (3,2)				
*** 22MP17522	1.375 (34,9)	1.875 (47,6)	.453 (11,5)	1.750 (44,4)	.125 (3,2)				
*** 22MP20026	1.625 (41,2)	2.125 (54,0)	.453 (11,5)	2.000 (50,8)	.125 (3,2)				
**** 22MP20031	1.965 (49,9)	2.710 (68,8)	.725 (18,4)	2.500 (63,5)	.125 (3,2)				
**** 22MP22529	1.860 (47,24)	2.480 (62,9)	.720 (18,2)	2.250 (57,1)	.125 (3,2)				
**** 22MP30039	2.470 (62,7)	3.160 (80,2)	.720 (18,2)	3.000 (76,2)	.250 (6,3)				
**** 22MP33745	2.812 (71,4)	3.660 (92,9)	.720 (18,2)	3.375 (85,7)	.250 (6,3)				
**** 22MP35047	2.940 (74,6)	3.660 (92,9)	.720 (18,2)	3.500 (88,9)	.250 (6,3)				
**** 22MP40055	3.460 (87,8)	4.170 (105,9)	.720 (18,2)	4.000 (101,6)	.250 (6,3)				



**New  
SIZES**



- \* Minimum order quantity 1,000 pieces.
- \*\* Minimum order quantity 500 pieces.
- \*\*\* Minimum order quantity 250 pieces.
- \*\*\*\* Minimum order quantity 100 pieces.
- \*\*\*\*\* Minimum order quantity 50 pieces.



# WIRE HANDLING HARDWARE

## SECTION VII

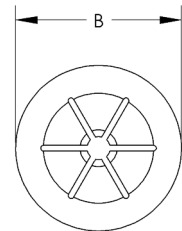
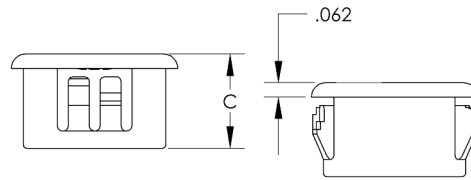
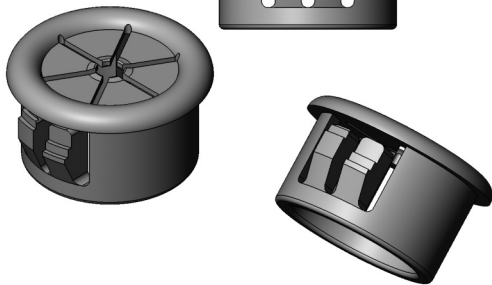
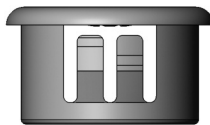


Micro Plastics' Nylon "ALL-FIT" Adjustable Bushings are designed to protect wire, cable, tubing or irregular shaped items from sharp, unfinished edges. The specially designed, resilient multiple supports, absorb shock and vibration, and adjust to accept various diameters and shapes. The All-Fit Bushing is equipped with multiple locks to positively snap in panel thicknesses ranging from 1/32" to 1/8".

### ALL-FIT ADJUSTABLE BUSHINGS

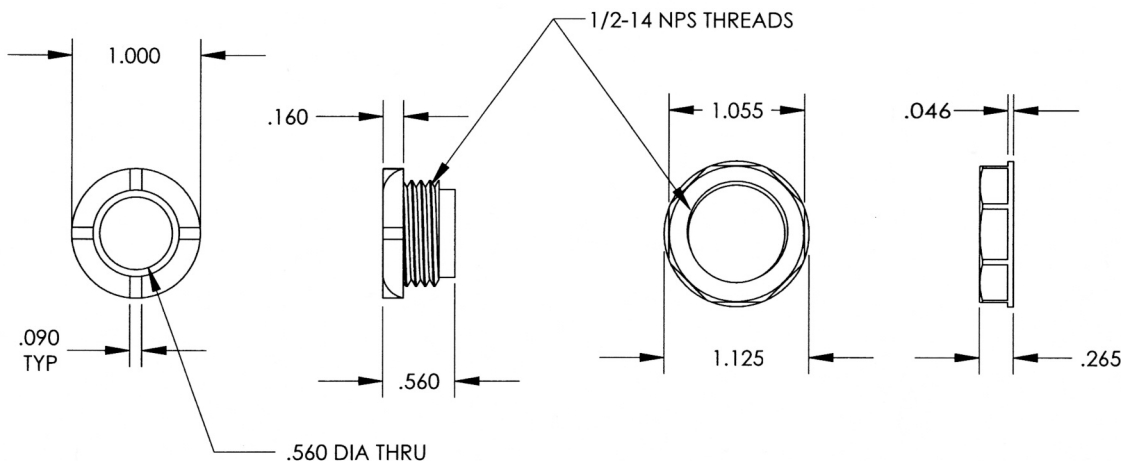
Molded in **Black H.S. Nylon UL 94V2**

- \* MATERIAL HEAT STABILIZED NYLON UL 94V2
- \* TEMPERATURE INDEX 105 ° C
- \* STOCKED IN STANDARD BLACK
- \* WHITE AVAILABLE ON REQUEST



ITEM NUMBER	CHASSIS DIMENSIONS		PART DIMENSIONS-----			
	HOLE DIA.	MAXIMUM THICKNESS	HEAD DIA. B	THICKNESS C	MAXIMUM I.D.	
22AF0625	.625 (15,9)	.125 (3,2)	.718 (18,2)	.406 (10,3)	.437 (11,1)	
22AF0750	.750 (19,0)	.125 (3,2)	.859 (21,8)	.390 (9,9)	.500 (12,7)	
22AF0812	.812 (20,6)	.125 (3,2)	.890 (22,6)	.390 (9,9)	.500 (12,7)	
22AF0875	.875 (22,2)	.125 (3,2)	.937 (23,8)	.453 (11,5)	.562 (14,2)	
22AF1000	1.000 (25,4)	.125 (3,2)	1.062 (26,9)	.453 (11,5)	.750 (19,0)	
22AF1093	1.093 (27,8)	.125 (3,2)	1.156 (29,3)	.453 (11,5)	.812 (20,6)	
22AF1250	1.250 (31,75)	.125 (3,1)	1.360 (34,5)	.453 (11,5)	.875 (22,2)	

MINIMUM ORDER QUANTITY 1,000 PIECES.



Micro Plastics' two piece Nylon threaded bushings are designed to protect wiring, cables, or hoses from sharp or raw edges in a panel. Two piece Nylon threaded bushings are molded of black Nylon 6/6.

### 2 PC. THREADED BUSHING

Molded in **Black Nylon 6/6**

ITEM NUMBER	THICKNESS	NUT DIMENSIONS-----	
		WRENCHING FLATS	THREAD
04MP0500TB	17/64" (6,75)	1.055" (26,79)	1/2-14 NPS

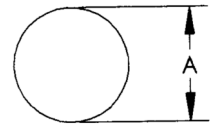
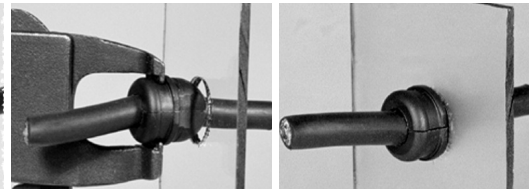
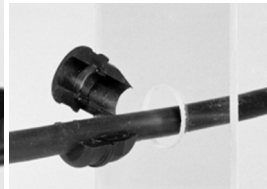
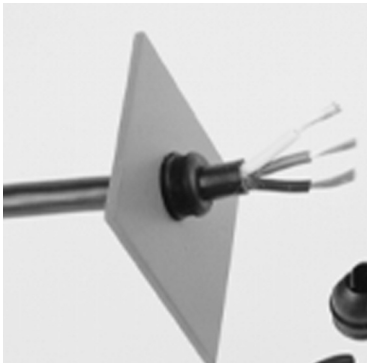


# WIRE HANDLING HARDWARE

SECTION  
VII

Micro Plastics' (Patented) "EZ" Strain Relief Bushing is designed to save money. This Strain Relief Bushing eliminates several costly and fatigue prone assembly steps. To install, the "EZ"

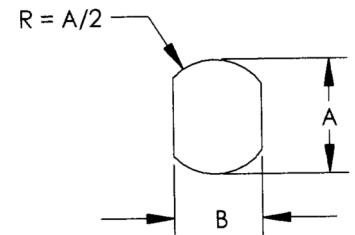
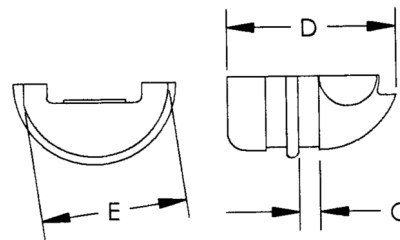
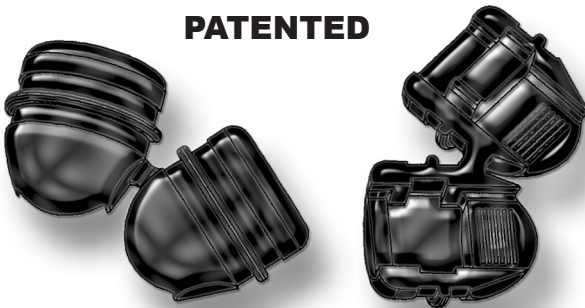
Bushing hinged halves are simply folded over the wire or cable. No special orientation or alignment is necessary! Conventional Strain Relief Pliers are applied to the specially designed gripped grooves and the bushing is inserted and locked in place in one smooth motion. The "EZ" Strain Relief Bushing design incorporates a bullet shaped, streamlined nose and does away with the large cumbersome straps that complicate the assembly of the conventional style bushing in confined areas. Micro Plastics' "EZ" Strain Relief Bushings securely anchor, absorb and protect cables and wires from push/pull and twist forces and insulate them from irregular or sharp panel edges. These tough nylon bushings meet all Underwriters Laboratories stringent pull-out and temperature specifications. Stock sizes in black H.S. Nylon, temperature index 105° Centigrade (U.L. rated 94V2). Micro Plastics can tool other sizes upon request.



## "EZ" STRAIN RELIEF BUSHINGS

Molded in Black H.S. Nylon UL 94V2

**PATENTED**



**\*EASILY INSTALLED**  
**\*SECURE IN USE**

**\*COMPETITIVELY PRICED**  
**\*FULLY APPROVED**

### -----DIMENSIONS----- MOUNTING HOLE -----BUSHINGS-----

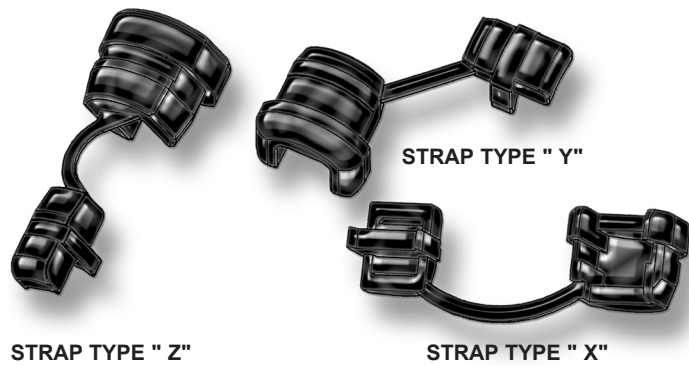
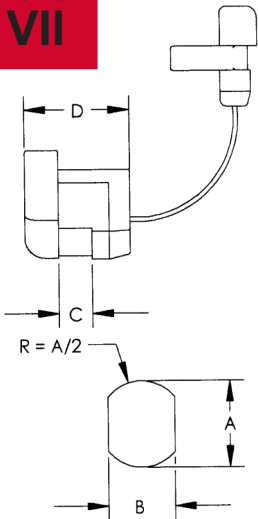
ITEM NUMBER	UL/CSA DESCRIPTION	CROSS SECTION	CABLE SIZE	CABLE TYPE	GAUGE (AWG)	DIAMETER A	FLATS B	MAX PANEL THICKNESS C	LENGTH D	WIDTH E
*23MP04KEZS	MP4KEZS	Flat	0.150 X 0.280 (3,8 X 7,1)	SPT	18/2	0.500 (12,7)	0.465 (11,8)	0.100 (2,5)	0.580 (14,7)	0.510 (12,9)
			0.150 X 0.280 (3,8 X 7,1)	SPT	16/2	0.500 (12,7)	0.465 (11,8)	0.100 (2,5)		
*23MP04NEZH	MP4NEZH	Flat	0.150 X 0.280 (3,8 X 7,1)	HPN	18/2	0.500 (12,7)	0.465 (11,8)	0.062 (1,6)	0.550 (14,0)	0.505 (12,8)
*23MP04NEZS	MP4NEZS	Flat	0.150 X .280 (3,8 X 7,1)	SPT	18/2	0.500 (12,7)	0.465 (11,8)	0.062 (1,6)	0.570 (14,4)	0.500 (12,7)
			0.160 X 0.300 (4,1 X 7,6)	SPT	16/2	0.500 (12,7)	0.465 (11,8)	0.062 (1,6)		
*23MP06N34EZ	MP6N34EZ	Round	0.300 (7,2)	SJT	16/3	0.625 (15,9)	0.550 (14,0)	0.062 (1,6)	0.655 (16,6)	0.585 (14,9)
			0.355 (9,0)	SJ	16/3	0.625 (15,9)	0.550 (14,0)	0.062 (1,6)		
			0.405 (10,2)	SJT	18/3	0.625 (15,9)	0.550 (14,0)	0.062 (1,6)		

\*MINIMUM ORDER QUANTITY 1,000 PIECES. \*\*MINIMUM ORDER QUANTITY 500 PIECES. \*\*\*MINIMUM ORDER QUANTITY 250 PIECES. \*\*\*\*MINIMUM ORDER QUANTITY 100



# WIRE HANDLING HARDWARE

## SECTION VII



## STRAIN RELIEF BUSHINGS

Molded in Black Heat Stabilized Nylon

One piece Strain Relief Bushings securely anchor, absorb and protect cables and wires from push/pull and twist forces and insulate them from irregular or sharp panel edges. These tough nylon bushings meet all Underwriters Laboratories' stringent pull-out and temperature specifications. They are easily and quickly installed with Micro Plastics special installation pliers or other hand or production tools. Stock sizes in black H.S. Nylon, temperature index 105° Centigrade (U.L. rated 94V2). Micro Plastics can tool other sizes upon request.

### DESCRIPTION

### DIMENSIONS

### MOUNTING HOLE -----BUSHINGS---

ITEM NUMBER	UL/CSA DESCRIPTION	CROSS SECTION	CABLE SIZE	CABLE TYPE	GAUGE (AWG)	STRAP TYPE	DIAMETER A	FLATS B	MAX PANEL THICKNESS C	LENGTH D	WIDTH E
23MP02M40 *	MP2M4	Round	0.156 X 0.187 (3,9 X 4,7)	AWN	14	"Y"	0.375 (9,5)	.0330 (8,4)	0.062 (1,6)	0.410 (10,4)	0.440 (11,1)
23MP02M50 *	MP2M5	Round	0.125 X 0.156 (3,2 X 3,9)	AWN	16	"Y"	0.400 (10,6)	0.330 (8,4)	0.062 (1,6)	0.410 (10,4)	0.432 (10,9)
23MP02L10 *	MP2L1	Flat	0.120 X 0.220 (3,0 X 3,9)	SPT-1	18/2	"Y"	0.375 (9,5)	0.330 (8,4)	0.125 (3,2)	0.410 (10,4)	0.420 (10,7)
23MP02P40 *	MP2P4	Flat	0.120X0.220 (3,0 X 5,6)	SPT-1	18/2	"Y"	.0375 (9,5)	0.330 (8,4)	0.062 (1,6)	0.410 (10,4)	0.420 (10,7)
23MP03P40 *	MP3P4	Flat	0.120 X 0.220 (3,0 X 5,6)	SP-1 SPT-1	18/2 18/2	"Y"	0.437 (11,1)	0.390 (9,9)	0.062 (1,6)	0.405 (10,2)	0.484 (12,3)
23MP04K10 *	MP4K1	Flat	0.150 X 0.400 (3,8 X 10,1) 0.160 X 0.300 (4,1 X 7,6) 0.160 X 0.300 (4,1 X 7,6) 0.150 X 0.280 (3,8 X 7,1) 0.150 X 0.280 (3,8 X 7,1)	SPT-2 HPN SPT-2 HPN SPT-2	18/3 16/2 16/2 18/2 18/2	"Y"	0.500 (12,7)	0.460 (11,7)	0.095 (2,4)	0.495 (12,6)	0.565 (14,4)
23MP04K1Z *	MP4K1Z	Flat	0.150 X 0.400 (3,8 X 10,1) 0.160 X 0.300 (4,1 X 7,6) 0.160 X 0.300 (4,1 X 7,6) 0.150 X 0.280 (3,8 X 7,1) 0.150 X 0.280 (3,8 X 7,1)	SPT-2 HPN SPT-2 HPN SPT-2	18/3 16/2 16/2 18/2 18/2	"Z"	0.500 (12,7)	0.460 (11,7)	0.095 (2,4)	0.495 (12,6)	0.565 (14,4)
23MP04L10 *	MP4L10	Flat	0.150 X 0.400 (3,8 X 10,1) 0.160 X 0.300 (4,1 X 7,6) 0.160 X 0.300 (4,1 X 7,6) 0.150 X 0.280 (3,8 X 7,1) 0.150 X 0.280 (3,8 X 7,1)	SPT-1 HPN SPT-2 HPN SPT-2	18/3 16/2 16/2 18/2 18/2	"Z"	0.525 (13,3)	0.460 (11,7)	0.187 (4,7)	0.495 (12,6)	0.565 (14,4)

\*MINIMUM ORDER QUANTITY 1,000 PIECES. \*\*MINIMUM ORDER QUANTITY 500 PIECES. \*\*\*MINIMUM ORDER QUANTITY 250 PIECES. \*\*\*\*MINIMUM ORDER QUANTITY 100 PIECES.

● NOT U.L. RECOGNIZED



Request Info



1-800-453-1692

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# WIRE HANDLING HARDWARE

SECTION  
VII

## STRAIN RELIEF BUSHINGS

Molded in **Black Heat Stabilized Nylon**

DESCRIPTION -----DIMENSIONS-----

ITEM NUMBER	UL/CSA DESCRIPTION	CROSS SECTION	CABLE SIZE	CABLE TYPE	GAUGE (AWG)	STRAP TYPE	MOUNTING HOLE		MAX PANEL THICKNESS C	BUSHINGS	
							A	B		D	E
23MP04K40*	MP4K4	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-2 HPN	18/2 18/2	"Y"	0.500 (12,7)	0.465 (11,8)	0.100 (2,5)	0.406 (10,3)	0.565 (14,3)
23MP04L40*	MP4L4	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-1 SPT-2 HPN	18/3 18/2 18/2	"Y"	0.500 (12,7)	0.465 (11,8)	0.156 (3,9)	0.406 (10,3)	0.578 (14,7)
23MP04N40*	MP4N4	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-2 HPN	18/2 18/2	"Y"	0.500 (12,7)	0.465 (11,8)	0.062 (1,6)	0.406 (10,3)	0.578 (14,7)
23MP04J40*	MP4J4	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-1 SPT-2 HPN	18/3 18/2 18/2	"Y"	0.500 (12,7)	0.465 (11,8)	0.032 (0,8)	0.406 (10,3)	0.578 (14,7)
23MP05K40*	MP5K4	Flat	0.150 x .400 (3,8 x 10,1)	SPT-2	16/2	"Y"	0.562 (14,3)	0.530 (13,5)	0.125 (3,2)	0.609 (15,5)	0.625 (15,9)
23MP05KN4*	MP5KN4	Flat	0.150 x 0.400 (3,8 x 10,1) 0.160 x 0.300 (4,1 x 7,6)	SPT-2 SPT-2	18/3 16/2	"Y" "Y"	0.562 (14,3)	0.530 (13,5)	0.062 (1,6)	0.609 (15,5)	0.625 (15,9)
23MP05N40*	MP5N4	Round	0.250 (6,4) 0.255 (6,5) 0.290 (7,4)	SV SVT SV SVT HPD	18/2 18/2 18/3 18/3 16/2	"Y"	0.500 (12,7) 0.500 X 0.515 (12,7 X 13,1) 0.500 X 0.515 (12,7 X 13,1)	0.450 (11,4)	0.062 (1,6)	0.448 (11,3)	0.578 (14,7)
23MP05P40*	MP5P4	Round	0.250 (6,4) 0.255 (6,5) 0.290 (7,4)	SV SVT SV SVT HPD	18/2 18/2 18/3 18/3 16/2	"Y"	0.500 (12,7) 0.500 X 0.515 (12,7 X 13,1) 0.500 X 0.515 (12,7 X 13,1)	0.450 (11,4)	0.100 (2,5)	0.448 (11,3)	0.578 (14,7)
23MP05W10*	MP5W1	Flat	0.120 x 0.300 (3,0 x 7,6) 0.160 x 0.300 (4,1 x 7,6) 0.160 x 0.410 (4,1 x 10,4) 0.160 x 0.370 (4,1 x 9,4)	SPT-2 SPT-2 SPT-2 HPN	18/3 16/2 16/3 16/3	"Y"	0.562 (14,3)	0.530 (13,5)	0.125 (3,2)	0.609 (15,5)	0.625 (15,9)
23MP06N34*	MP6N34	Round	0.355 (9,0) 0.405 (10,2) 0.430 (10,9)	SJ SJT SJT	16/3 18/3 16/3	"Y"	0.650 (16,5)	0.550 (14,0)	0.062 (1,6)	0.595 (15,1)	0.703 (17,9)
23MP06N35*	MP6N35	Round	0.390 (9,9) 0.390 (9,9) 0.405 (10,3) .405 (10,3) 0.390 (9,9)	SJO SJ SJT SJO SJT	18/2 18/2 16/2 18/2 18/2	"Y"	0.625 (15,9)	0.550 (14,0)	0.062 (1,6)	0.580 (14,7)	0.703 (17,9)
23MP06N40**	MP6N4	Round	0.300 (7,2)	SJT SJO	18/2 18/2	"Y"	0.625 (15,9)	0.550 (14,0)	0.062 (1,6)	0.585 (14,8)	0.703 (17,9)
23MP06N44**	MP6N44	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-1	18/3	"Y"	0.625 (15,9)	0.570 (14,4)	0.062 (1,6)	0.600 (15,2)	0.690 (17,5)

\*MINIMUM ORDER QUANTITY 1,000 PIECES. \*\*MINIMUM ORDER QUANTITY 500 PIECES. \*\*\*MINIMUM ORDER QUANTITY 250 PIECES. \*\*\*\*MINIMUM ORDER QUANTITY 100 PIECES.

● NOT U.L. RECOGNIZED



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**Above Board Electronics, Inc.**

1-800-453-1692

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# WIRE HANDLING HARDWARE

## SECTION VII

### STRAIN RELIEF BUSHINGS

Molded in **Black Heat Stabilized Nylon**

ITEM NUMBER	UL/CSA DESCRIPTION	CROSS SECTION	CABLE SIZE	CABLE TYPE	GAUGE (AWG)	STRAP TYPE	DIMENSIONS			BUSHINGS	
							DIAMETER A	FLATS B	MAX PANEL THICKNESS C	LENGTH D	WIDTH E
<b>23MP06N45</b> **	MP6N45	Flat	0.120 X 0.300 (3,0 X 7,6)	SPT-1	18/3	"Y"	0.625 (15,9)	0.545 (13,8)	0.032 (0,8)	0.590 (14,9)	0.690 (17,5)
<b>23MP06P34</b> **	MP6P34	Round	0.325 - 0.360 (8,3 - 9,1)	SJ SJT SJO	18/3 16/3, 18/3 18/3	"Y"	0.625 (15,9)	0.550 (14,0)	0.125 (3,2)	0.580 (14,7)	0.703 (17,9)
<b>23MP06P35</b> **	MP6P35	Round	0.325 - 0.360 (8,3 - 9,1)	SJ SJT SJO	18/2,18/3,16/2 16/2,18/2 18/2,16,2,18/3	"Y"	0.625 (15,9)	0.550 (14,0)	0.125 (3,2)	0.580 (14,7)	0.703 (17,9)
<b>23MP06L10</b> **	MP6L1	Round	0.325 - 0.360 (8,3 - 9,1)	SJ SJT SJO	18/2,18/3 16/2,16/3	"Z"	0.625 (15,9)	0.550 (14,0)	0.125 (3,2)	0.666 (16,9)	0.725 (18,4)
<b>23MP06P40</b> **	MP6P4	Round	0.300 (7,6)	SJ SJT SJO	18/2 18/2 18/2	"Y"	0.625 (15,9)	0.550 (14,0)	0.125 (3,2)	0.590 (14,9)	0.703 (17,9)
<b>23MP06W10</b> *	MP6W1	Round	0.300 (7,6)	SJ SJT SJO	18/2 18/2 18/2	"Y"	0.500 (12,7)	0.465 (11,8)	0.090 (2,3)	0.437 (11,1)	0.563 (14,3)
<b>23MP07K20</b> ***	MP7K2	Round	0.325 X 0.360 (8,3 X 9,1)	SJ SJT SJO	18/4,16/2,16/3,14/2, 18/3,16/3 14/2,16/3,18/4	"Z"	0.875 (22,2)	0.770 (19,6)	0.125 (3,2)	0.755 (19,1)	0.922 (23,4)
<b>23MP07P20</b> **	MP7P2	Round	0.360 (9,1) 0.370 (9,4) 0.405 (10,3) 0.430 (10,9) 0.405 (10,3) 0.430 (10,9) 0.405 (10,3) 0.390 (9,9) 0.390 (9,9) 0.405 (10,3)	SJTO SJT S S STO STO S S STO STO	18/4 14/3 18/3 16/3 18/3 16/3 16/2 18/2 18/2 16/2	"X"	0.750 (19,0)	0.660 (16,8)	0.125 (3,2)	0.745 (18,9)	0.830 (21,0)
<b>23MP07K30</b> ***	MP7K3	Round	0.325 - 0.360 (8,3 - 9,1)	SJ SJT SJO	18/3,16/2 16/2 18/3,16/2	"Z"	0.875 (22,2)	0.770 (19,6)	0.125 (3,2)	0.750 (19,1)	0.922 (23,4)
<b>23MP07P30</b> **	MP7P3	Flat	0.160 X 0.410 (4,1 X 10,4)	SPT-2	16/3	"Z"	0.736 (18,7)	0.657 (16,7)	0.125 (3,2)	0.590 (14,9)	0.785 (19,9)
<b>23MP07W20</b> ***	MP7W2	Round	0.370 - 0.425 (9,4 - 10,8) 0.390 - 0.430 (9,9 - 10,9)	SJT S STO	14/3 12/3 18/3,16/3 16/2,16,3,18/3	"Z"	0.875 (22,2)	0.770 (19,6)	0.125 (3,2)	0.760 (19,3)	0.922 (23,4)
<b>23MP08P20</b> ***	MP8P2	Round	0.530 - 0.600 (13,5 - 15,2)	S ST	14/2,14/3 12/2	"Z"	0.875 (22,2)	0.840 (21,3)	0.125 (3,2)	0.812 (20,6)	0.922 (23,4)
<b>23MP09P20</b> ****	MP9P2	Round	0.570 (14,4) 0.640 (16,3) 0.650 (16,5) 0.700 (17,7)	S S S	12/3 10/2 10/3	"Z"	1.093 (27,7) 1.125 (28,5) 1.093 (27,7) 1.187 (30,1)	1.000 (25,4) 1.000 (25,4) 1.000 (25,4) 1.000 (25,4)	0.281 (7,1) 0.281 (7,1) 0.281 (7,1) 0.281 (7,1)	0.990 (25,1) 0.990 (25,1) 0.990 (25,1) 0.990 (25,1)	1.215 (30,8) 1.215 (30,8) 1.215 (30,8) 1.215 (30,8)

\*MINIMUM ORDER QUANTITY 1,000 PIECES. \*\*MINIMUM ORDER QUANTITY 500 PIECES. \*\*\*MINIMUM ORDER QUANTITY 250 PIECES. \*\*\*\*MINIMUM ORDER QUANTITY 100 PIECES.

● NOT U.L. RECOGNIZED



Request Info



# WIRE HANDLING HARDWARE

SECTION  
VII

## STRAIN RELIEF BUSHINGS

Molded in **Black Heat Stabilized Nylon**

ITEM NUMBER	UL/CSA DESCRIPTION	CROSS SECTION	CABLE SIZE	CABLE TYPE	GAUGE (AWG)	STRAP TYPE	MOUNTING HOLE		MAX PANEL THICKNESS C	LENGTH D	WIDTH E
							DIAMETER A	FLATS B			
23MP30-10 ***	MP30-1	Flat	0.160 X 0.410 (4,1 X 10,4)	SPT-2	16/3	"Z"	0.560 (14,2)	0.730 (18,5)	0.125 (3,2)	0.670 (17,0)	0.750 (19,6)
			0.120 X 0.300 (3,0 X 7,6)	SPT-1							
23MP03020 *	MP302	Flat	0.150 X 0.400 (32,8 X 10,1)	SPT-2	18/3	"Z"	0.625 X 0.375 (15,9 X 9,5)	0.625 (15,9)	0.100 (2,5)	0.460 (11,6)	0.660 (16,7)
			0.160 X 0.410 (4,1 X 10,4)	SPT-2			0.625 X 0.375 (15,9 X 9,5)	0.625 (15,9)			
			0.320 X 0.650 (8,1 X 16,5)	SPT-3			0.625 X 0.375 (15,9 X 9,5)	0.625 (15,9)			
23MP31-20 ***	MP31-2	Flat	0.180 X 0.425 (4,5 X 10,8)	SJT	12/3	"Z"	0.875 (22,2)	0.840 (21,3)	0.125 (3,2)	0.812 (20,6)	0.922 (23,4)
		Round	0.425 - 0.475 (10,8 - 12,1)	SPT-3	12/3						
23MP33-10 **	MP33-10	Flat	0.245 X 0.425 (6,2 X 10,8)	SPT-3	16/3	"Z"	0.750 X 0.875 (19,1 X 22,2)	0.875 (22,2)	0.125 (3,2)	0.770 (19,5)	0.895 (22,7)
			0.240 X 0.420 (6,1 X 10,6)	SPT-3	14/2	0.750 X 0.875 (19,1 X 22,2)	0.875 (22,2)				
			0.240 X 0.525 (6,1 X 13,3)	HPN	14/3	0.750 X 0.875 (19,1 X 22,2)	0.875 (22,2)				
23MP34-2X ***	MP34-2X	Flat	0.240 X 0.420 (6,1 X 10,7)	SPT-3	14/3	"X"	0.875 (22,2)	0.840 (21,3)	0.125 (3,2)	0.812 (20,6)	0.905 (22,9)
			0.290 X 0.650 (7,4 X 16,5)		12/3						

## 90° ANGLE STRAIN RELIEF BUSHINGS

Molded in **Black Heat Stabilized Nylon**

23MP14L10	MP14L1	Flat	0.150 X 0.280 (3,8 X 7,1)	SPT-2	18/2,16/2	"Z"	0.500 (12,7)	0.450 (11,4)	0.100 (2,5)	0.687 (17,5)	0.550 (13,9)
			0.160 X 0.300 (4,1 X 7,6)	HPN	16/2						
23MP15L10 *	MP15L1	Round	0.250 X 0.265 (6,4 X 6,7)	SV	8/2,18/3	"Z"	0.500 (12,7)	0.450 (11,4)	0.100 (2,5)	0.687 (17,5)	0.562 (14,3)
23MP16L10 **	MP16L1	Flat	.150 X .400 (3/8) X (10,2)	SP-2	18/3	"Z"	0.562 (14,3)	0.525 (13,3)	.125 (3,2)	7/8 (22,2)	5/8 (15,9)
			.160 X .370 (4,1) X (9,4)	HPN	16/3						
			.190 X .350 (4,8) X (8,9)	SPT-3	18/2						
			.200 X .370 (5,1 X (9,4)		16/2						

\*MINIMUM ORDER QUANTITY 1,000 PIECES. \*\*MINIMUM ORDER QUANTITY 500 PIECES. \*\*\*MINIMUM ORDER QUANTITY 250 PIECES. \*\*\*\*MINIMUM ORDER QUANTITY 100 PIECES.

● NOT U.L. RECOGNIZED



# WIRE HANDLING HARDWARE

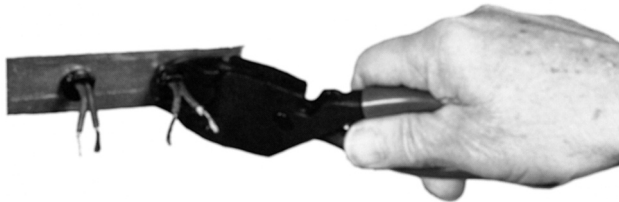
## SECTION VII

### STRAIN RELIEF INSTALLATION TOOLS

#### STANDARD

ITEM NUMBER  
23MPT0100

Micro Plastics' Standard adjustable Strain Relief Assembly Pliers. An indispensable tool for fast, accurate assembly of bushings.



#### ERGONOMIC

ITEM NUMBER  
23MPET0100

Micro Plastics' Adjustable Ergonomic Strain Relief Tool has been carefully designed to help reduce wrist fatigue associated with bushing installation. The handles are preset to a specified angle, allowing the hand and wrist of the operator to naturally align during normal use. This tool is fully adjustable and will install all sizes of Micro Plastics' strain relief bushings.



#### PNEUMATIC

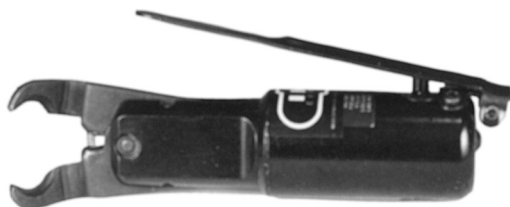
ITEM NUMBER  
23PMPT0100

Micro Plastics' Pneumatic Strain Relief Installation Tool is designed to aid in rapid assembly of strain relief bushings. The easy finger tip actuation of this air tool greatly lessens the gripping power necessary to install bushings and reduces hand and wrist fatigue generated during moderate to high volume manufacturing. The tool operates on standard shop air from 50 to 90 PSI. Low weight, only 24 ounces. Tools are configured prior to shipping. For specific sizes, please specify strain relief bushing sizes to be installed when ordering.

45° REPLACEMENT JAW SET

ITEM NUMBER	STRAIN RELIEF HOLE SIZE
23PMPTJAW500	.500 DIA.
23PMPTJAW625	.625 DIA.
23PMPTJAW750	.750 DIA.

NOT AVAILABLE FOR  
HOLE SIZES LARGER THAN 3/4" DIAMETER



#### PNEUMATIC ERGONOMIC

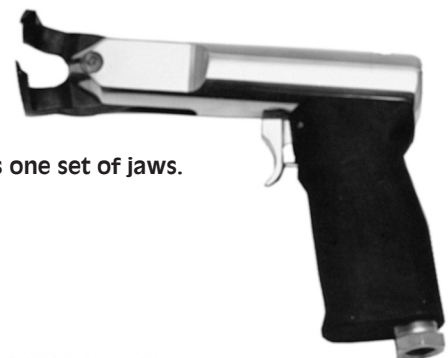
ITEM NUMBER  
23PMPET0100

Micro Plastics' Pneumatic-Ergonomic Strain Relief Installation Tool has been carefully designed to help reduce the wrist fatigue associated with the rapid assembly of strain relief bushings. The easy trigger-type actuation of this air tool, in combination with the ergonomic angle of the hand grip, allow natural alignment of wrist and hand during normal bushing installation. The tool operates on standard shop air from 50-90 PSI. Lightweight, only 18 ounces. Tools are configured prior to shipping. Please specify strain relief bushing sizes to be installed when ordering.

90° REPLACEMENT JAW SET

ITEM NUMBER	STRAIN RELIEF HOLE SIZE
23PMPETJAW500	.500 DIA.
23PMPETJAW625	.625 DIA.

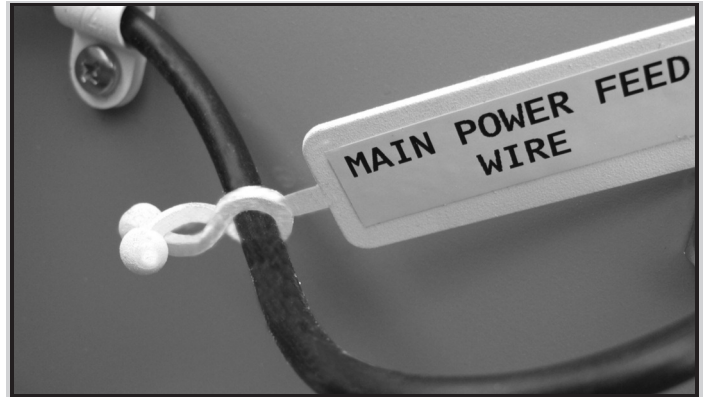
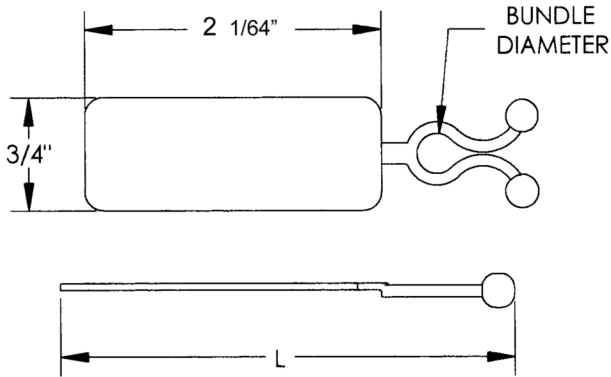
NOT AVAILABLE FOR  
HOLE SIZES LARGER THAN 5/8" DIAMETER



NOTE: Installation tool includes one set of jaws.

# WIRE HANDLING HARDWARE

Nylon "EZ" twist lock with integral label area for writing. Permanent ink pens, felt tip pens, pressure-sensitive adhesive labels, or even Post-it® notes can be used on polished label area.



## LABEL TWIST LOCK

Molded in **Natural Nylon 6/6**

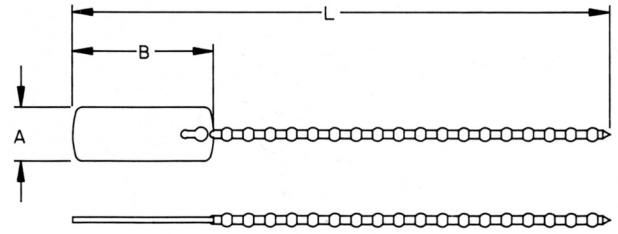
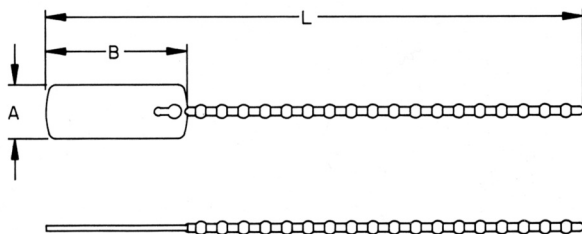
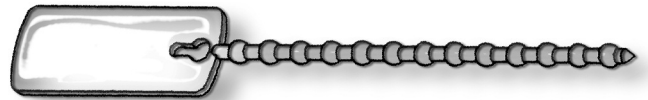
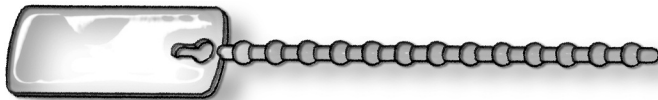
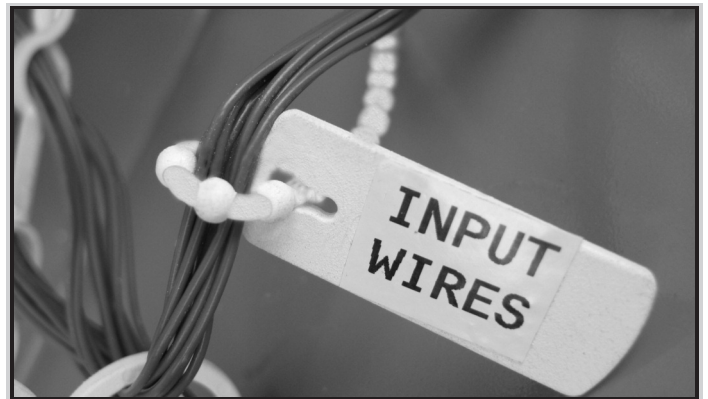
ITEM NUMBER	BUNDLE DIAMETER	L
23EZLB0250	1/4" (6,35)	3-3/32 (78,59)
23EZLB0375	3/8" (9,53)	3-9/32 (83,34)



## LABEL BEADED TIE

Molded in **Natural Nylon 6/6**

Nylon beaded tie with integral label area for writing. Permanent ink pens, felt tip pens, pressure-sensitive adhesive labels, or even Post-it® notes can be used on polished label area. The "LP" pointed version can be used to pierce thin materials. The "LB" version has a blunt tip for general use.



### "LB" VERSION

ITEM NUMBER	A- WIDTH	B-LENGTH	L-OVERALL LENGTH
23LB0400N	1/2" (12,7)	1-5/16" (33,32)	4"
23LB0600N	1/2" (12,7)	1-5/16" (33,32)	6"

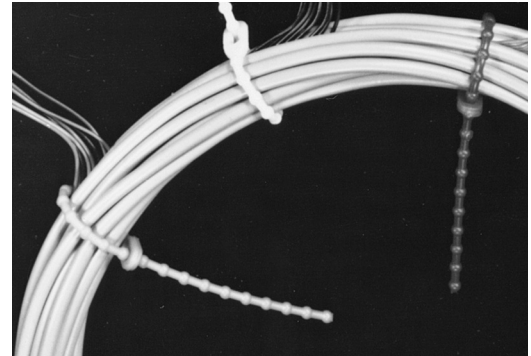
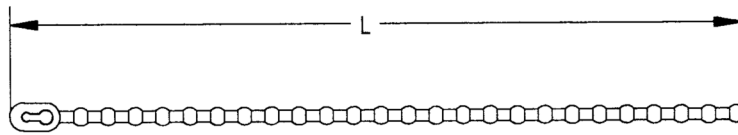
### "LP" VERSION

ITEM NUMBER	A- WIDTH	B-LENGTH	L-OVERALL LENGTH
23LP0400N	1/2" (12,7)	1-5/16" (33,32)	4"
23LP0600N	1/2" (12,7)	1-5/16" (33,32)	6"

® Registered trade mark of the 3M Corporation.

# WIRE HANDLING HARDWARE

SECTION VII



Micro Plastics' Beaded Ties provide economical temporary or permanent bundling, harnessing, tagging and identification marking. Beaded Ties smooth, rounded configuration eliminates damage to wire and cable insulation. No tools are necessary. Ties can be disassembled and reused. Special colors are available upon request.

## BEADED TIES

Molded in Natural Nylon 6/6

ITEM NUMBER	DESCRIPTION	LENGTH
230425N	425 N	4 1/4 (108)
230600N	600 N	6 (152)
230800N	800 N	8 (203)
231000N	1000 N	10 (254)

## BEADED TIES

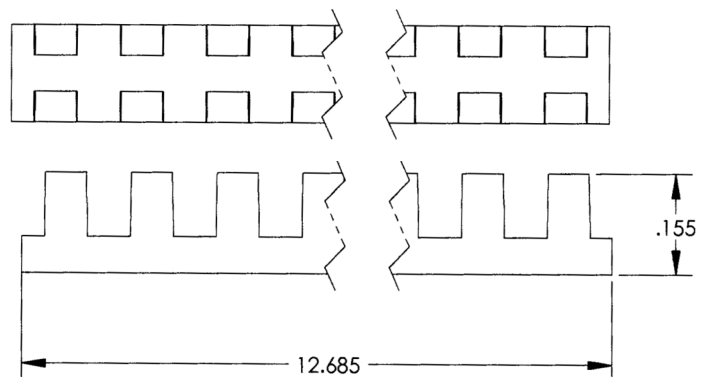
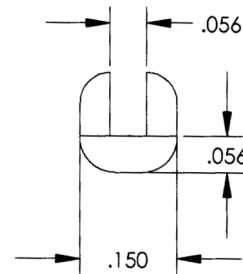
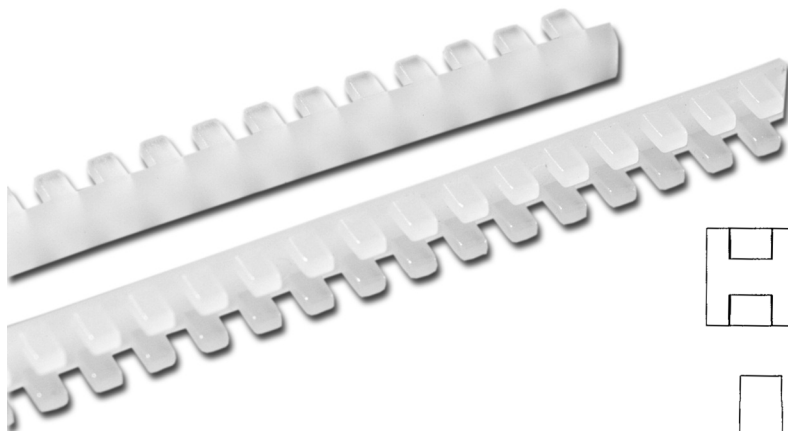
Molded in Natural Polyethylene

ITEM NUMBER	DESCRIPTION	LENGTH
230425P	425 P	4 1/4 (108)
230600P	600 P	6 (152)
230800P	800 P	8 (203)
231000P	1000 P	10 (254)

10" HEAVY DUTY POLYETHYLENE BEADED TIES ARE MOLDED IN UV RESISTANT YELLOW.

## MOLDED GROMMETING

Molded in Natural Nylon 6/6



Molded Grommeting is used to protect wires and tubing from sharp panel edges and knock outs. The flexible grommeting can be used for round, square or irregular shaped panel holes.

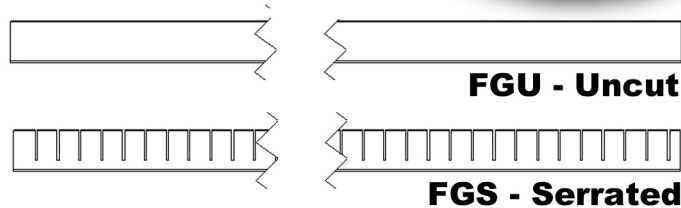
ITEM NUMBER	OA WIDTH	SLOT WIDTH	OA HEIGHT	WALL THK.	PANEL THICKNESS	LENGTH
22MG052155	.150 (3,81)	.056 (1,42)	.155 (3,94)	.056 (1,42)	.015 - .052 (0,38-1,32)	12.685 (322,20)



# WIRE HANDLING HARDWARE

SECTION  
VII

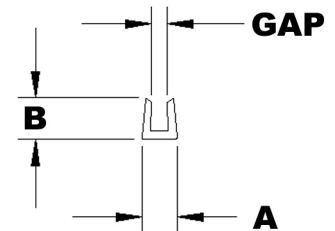
- CONTINUOUS, SOLID OR SERRATED.
- COLORS: NATURAL OR BLACK, CUSTOM COLORS AVAILABLE.
- CUSTOM LENGTHS AVAILABLE FOR VOLUME APPLICATIONS.
- FLEXIBILITY, FITS HOLES OF ANY SHAPE OR SIZE.
- AVAILABLE FROM STOCK IN COILS OF 100 FEET.
- MATERIAL: POLYETHYLENE.



MINIMUM ORDER 100'  
SOLD IN MULTIPLES OF 100'

PROTECT WIRES, CABLES, TUBING AND OTHER OBJECTS FROM SHARP PANEL EDGES.

Continuous Flexible Grommeting can be used for round, square and irregular shaped panels. Flexible grommeting is attached quickly and easily using no special tools. In addition to protecting routed cables, wires, tubing and other objects from chafing or unnecessary cuts, the installed grommeting also puts an attractive finished touch to a product. Continuous flexible grommeting is manufactured to fit over a range of panel thicknesses from .040" to .187". Sheet form materials can include glass, sheet metal and wood. In many cases flexible grommeting will grip the panel tightly and remain in place. Should the panel thickness vary to a point that the grommeting will not adhere tightly by itself, the problem can usually be corrected by a touch of epoxy to keep the grommeting tightly in place. Continuous flexible grommeting comes from the factory in polybagged rolls of 100 feet. Longer lengths can be made available by using bulk spools.



ADD COLOR CODE TO THE END OF EACH PART NUMBER TO SPECIFY COLOR SELECTION:  
**BK = BLACK**     **NA = NATURAL**

## POLYETHYLENE MATERIAL INFORMATION

POLYETHYLENE grommeting is a lightweight low cost material good for general indoor applications. Polyethylene is not affected by ordinary solvents and resistant to abrasion.

## CONTINUOUS FLEXIBLE GROMMETING

Molded in **Natural or Black Polyethylene**

ITEM NUMBER	GAP	A	B	TYPE
22FGU0400P__	.020/.040 (0,50)/(1,01)	.130 (3,30)	.190 (4,82)	UNCUT
22FGS0400P__	.020/.040 (0,50)/(1,01)	.130 (3,30)	.190 (4,82)	SERRATED
22FGU0520P__	.030/.050 (0,76)/(1,27)	.130 (3,30)	.190 (4,82)	UNCUT
22FGS0520P__	.030/.050 (0,76)/(1,27)	.130 (3,30)	.190 (4,82)	SERRATED
22FGU0620P__	.040/.060 (1,01)/(1,52)	.170 (4,31)	.200 (5,08)	UNCUT
22FGS0620P__	.040/.060 (1,01)/(1,52)	.170 (4,31)	.200 (5,08)	SERRATED
22FGU0850P__	.065/.085 (1,65)/(2,15)	.170 (4,31)	.200 (5,08)	UNCUT
22FGS0850P__	.065/.085 (1,65)/(2,15)	.170 (4,31)	.200 (5,08)	SERRATED
22FGU0100P__	.080/.100 (2,03)/(2,54)	.210 (5,33)	.220 (5,58)	UNCUT
22FGS0100P__	.080/.100 (2,03)/(2,54)	.210 (5,33)	.220 (5,58)	SERRATED
22FGU0125P__	.105/.125 (2,66)/(3,17)	.210 (5,33)	.220 (5,58)	UNCUT
22FGS0125P__	.105/.125 (2,66)/(3,17)	.210 (5,33)	.220 (5,58)	SERRATED
22FGU0187P__	.167/.187 (4,24)/(4,74)	.260 (6,60)	.270 (6,85)	UNCUT
22FGS0187P__	.167/.187 (4,24)/(4,74)	.260 (6,60)	.270 (6,85)	SERRATED



# WIRE HANDLING HARDWARE

## SECTION VII

Spiral Wrap is an ideal covering used to bundle and protect tubing, wires and other types of conductors. Spiral wrap can be used on virtually any item with a diameter of 1/16" to 7". Polyethylene Natural Spiral Wrap is a lightweight low cost material that is good for general indoor applications. Polyethylene is not affected by ordinary solvents and is resistant to abrasion.

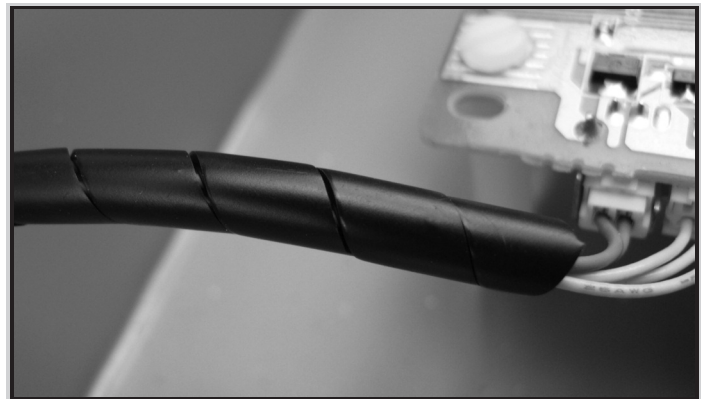


Polyethylene spiral wrap is easy to install, either during production or after final assembly. Ultra Violet UV Resistant Black Spiral Wrap is designed for outdoor use. Black UV Resistant Spiral Wrap has all of the fine qualities of Natural Spiral Wrap with the additional advantage of containing an ultraviolet absorber. Black UV Resistant Spiral Wrap will withstand direct sunlight for long periods of time.



FOUR PACKAGING METHODS ARE AVAILABLE FOR SPIRAL WRAP. REFER TO THE CHART ON THE OPPOSITE PAGE.

MINIMUM ORDER 100'  
SOLD IN MULTIPLES OF 100'



## NATURAL SPIRAL WRAP

Molded in Natural Polyethylene

ITEM NUMBER	O.D.	WALL THICKNESS	BUNDLE RANGE
22SPW12NA	1/8"	.032	1/16" to 1/4"
22SPW24NA	1/4"	.035	3/16" to 2"
22SPW25NA	1/4"	.040	3/16" to 2"
22SPW36NA	3/8"	.040	3/16" to 2"
22SPW37NA	3/8"	.052	5/16" to 3"
22SPW38NA	3/8"	.062	5/16" to 3"
22SPW48NA	1/2"	.030	3/8" to 3"
22SPW49NA	1/2"	.040	3/8" to 4"
22SPW50NA	1/2"	.062	3/8" to 4"
22SPW51NA	1/2"	.072	3/8" to 4"
22SPW62NA	5/8"	.062	5/8" to 4 1/2"
22SPW75NA	3/4"	.065	3/4" to 5"
22SPW10NA	1"	.070	1" to 7"
22SPW11NA	1"	.095	1" to 7"

## BLACK SPIRAL WRAP

Molded in Black UV Resistant Polyethylene

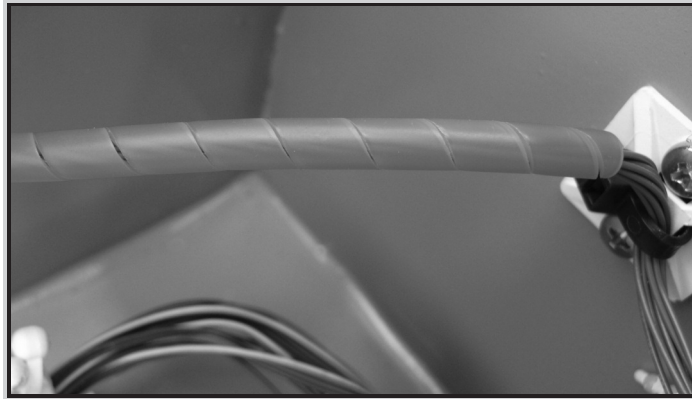
ITEM NUMBER	O.D.	WALL THICKNESS	BUNDLE RANGE
22SPW12BK	1/8"	.032	1/16" to 1/4"
22SPW24BK	1/4"	.035	3/16" to 2"
22SPW25BK	1/4"	.040	3/16" to 2"
22SPW36BK	3/8"	.040	5/16" to 3"
22SPW37BK	3/8"	.052	5/16" to 3"
22SPW38BK	3/8"	.062	5/16" to 3"
22SPW48BK	1/2"	.030	3/8" to 3"
22SPW49BK	1/2"	.040	3/8" to 4"
22SPW50BK	1/2"	.062	3/8" to 4"
22SPW51BK	1/2"	.072	3/8" to 4"
22SPW62BK	5/8"	.062	5/8" to 4 1/2"
22SPW75BK	3/4"	.065	3/4" to 5"
22SPW10BK	1"	.070	1" to 7"
22SPW11BK	1"	.095	1" to 7"



# WIRE HANDLING HARDWARE

SECTION  
VII

Fluorescent Safety Wrap is an expandable plastic cable harness that can be used like tape. Designed with potentially hazardous situations in mind, Fluorescent Safety Wrap will help make loose wires, hanging cables, hoses and tubing more easily seen.



**IMPROVES APPEARANCE,  
SAFETY AND DURABILITY  
OF YOUR PRODUCTS.**

**MINIMUM ORDER 100'  
SOLD IN MULTIPLES OF 100'**

COLOR CODES:  
ADD COLOR CODES TO THE END OF EACH ITEM  
NUMBER TO SPECIFY COLOR SELECTION.

RD = FLUORESCENT RED • GR = FLUORESCENT GREEN • YW = FLUORESCENT YELLOW

## FLUORESCENT SAFETY WRAP

Molded in Polyethylene

ITEM NUMBER	O.D.	WALL THK.	BUNDLE RANGE
22SPW12S__	1/8"	.032	1/16" to 1/4"
22SPW24S__	1/4"	.035	3/16" to 2"
22SPW25S__	1/4"	.040	3/16" to 2"
22SPW36S__	3/8"	.040	5/16" to 3"
22SPW37S__	3/8"	.052	5/16" to 3"
22SPW49S__	1/2"	.040	3/8" to 4"
22SPW50S__	1/2"	.062	3/8" to 4"
22SPW62S__	5/8"	.062	5/8" to 4-1/2"
22SPW75S__	3/4"	.065	3/4" to 5"
22SPW10S__	1"	.070	1" to 7"

FOUR PACKAGING METHODS ARE  
AVAILABLE FOR SPIRAL WRAP.  
REFER TO THE CHART BELOW.

FOR LARGE QUANTITY BULK SPOOL  
ORDERS, ADD THE LETTERS SPL TO THE  
END OF THE PART NUMBER.

## SPIRAL WRAP/FLUORESCENT SAFETY WRAP, STANDARD PACKAGING OPTIONS



**MINIMUM ORDER 100'  
SOLD IN MULTIPLES OF 100'**

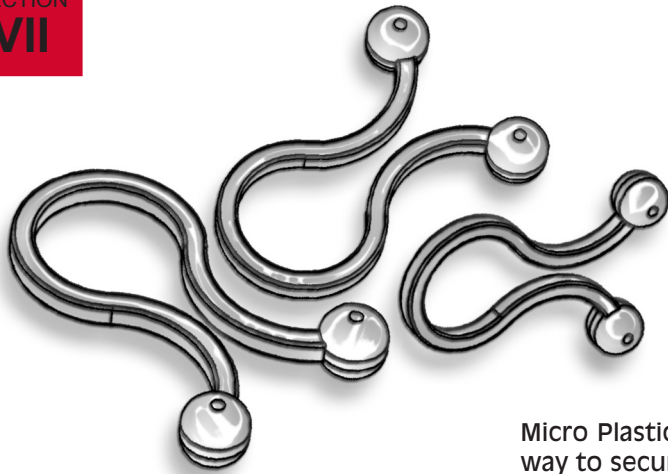
SPIRAL WRAP CAN BE CUT TO MEET SPECIAL LENGTH  
REQUIREMENTS, CALL FOR DETAILS.

OUTSIDE DIAMETER	FEET PER PAYOUT BOX	FEET PER POLYETHYLENE BAG	(Best Pricing For Volume Users)	
			FEET PER SPOOL	FEET PER BULK SPOOL
1/8'	100'	100'	100'	2500'
1/4"	100'	100'	100'	1,000'
3/8"	100' OR 200'	100'	100'	500'
1/2"	100'	100'	100'	250'
5/8"	25'	100'	100'	250'
3/4"	25'	100'		100'
1"		100'		100'



# WIRE HANDLING HARDWARE

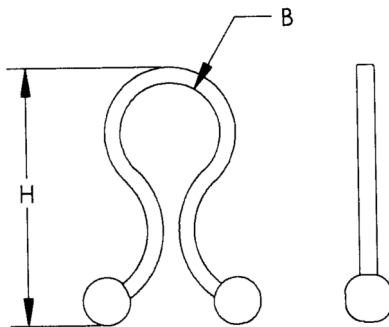
## SECTION VII



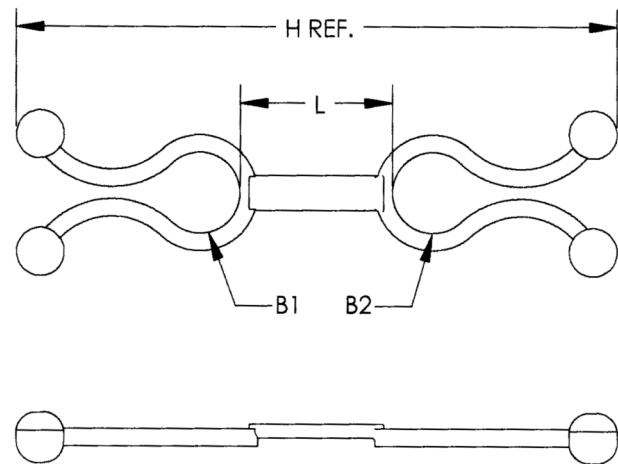
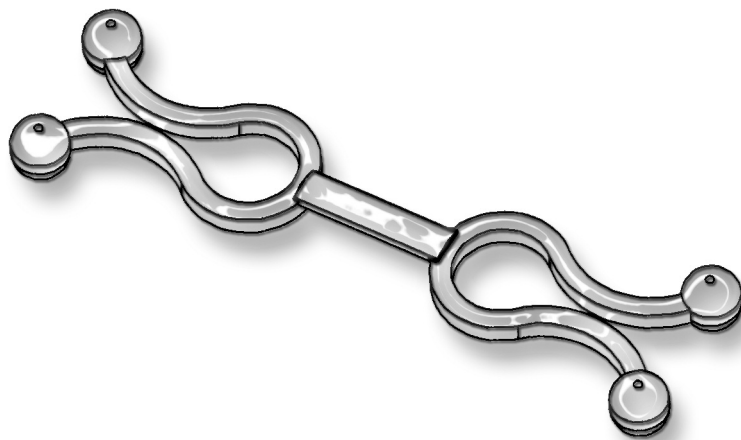
### "EZ" TWIST LOCKS

Molded in **Natural Nylon 6/6**

Micro Plastics' "EZ" Twist Lock Bundling Ties offers a fast, economical way to securely position and hold wire, cable or tubing. A single twist of the finger locks the bundle together. Another twist will open the lock to add or remove wire to the bundle. The reusable "EZ" Twist Lock is molded of tough, resilient Nylon 6/6 (UL 94V2). The following standard sizes are available from stock in natural nylon. Dyed colors can be furnished with a slight extra charge. Other sizes will be tooled on request.



ITEM NUMBER	DESCRIPTION	H REF.	B
23EZ0125N	1/8" LOCK	.715 (18,1)	.11 / .14 (2,80 / 3,56)
23EZ0250N	1/4" LOCK	.875 (22,2)	.20 / .27 (5,08 / 6,86)
23EZ0375N	3/8" LOCK	1.08 (27,4)	.30 / .40 (7,62 / 10,2)
23EZ0500N	1/2" LOCK	1.20 (30,5)	.40 / .50 (10,2 / 12,7)
23EZ0600N	5/8" LOCK	1.26 (32,0)	.55 / .65 (13,9 / 16,5)
23EZ0750N	3/4" LOCK	1.55 (39,4)	.70 / .80 (17,8 / 20,3)
23EZ0950N	15/16" LOCK	1.87 (47,5)	.90 / 1.00 (22,8 / 25,4)
23EZ1125N	1 1/8" LOCK	2.17 (55,1)	1.20/1.30 (30,5 / 33,0)
23EZ1375N	1 3/8" LOCK	2.67 (67,8)	1.45/1.55 (36,8 / 39,4)
23EZ1500N	1 1/2" LOCK	2.93 (74,4)	1.55/1.65 (39,4 / 41,9)
23EZ1750N	1 3/4" LOCK	3.46 (87,9)	1.90/2.00 (48,3 / 50,8)



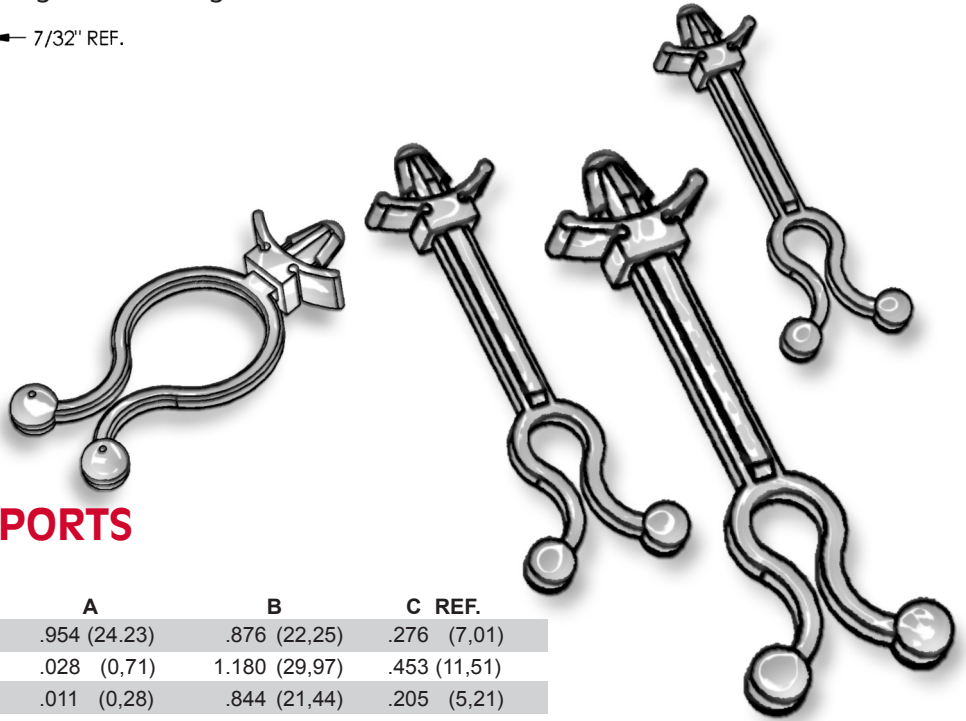
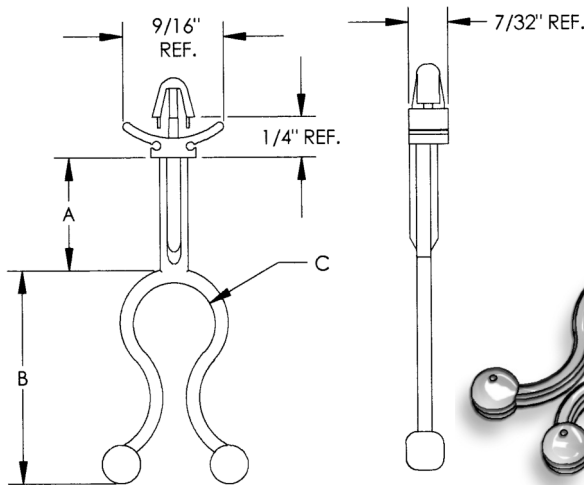
### DOUBLE "EZ" TWIST LOCKS

Molded in **Natural Nylon 6/6**

ITEM NUMBER	H	L	B1 AND B2
23DBEZ001	2-3/4 (69,8)	11/16" (17,46)	.30/.40 (7,62) / (10,16)
23DBEZ002	2-31/32 (74,4)	11/16" (17,46)	.40/.50 (10,16) / (12,70)

# WIRE HANDLING HARDWARE

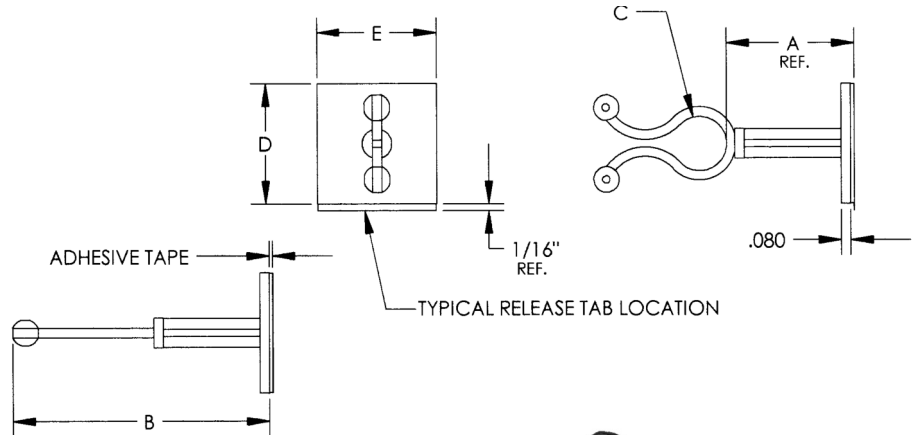
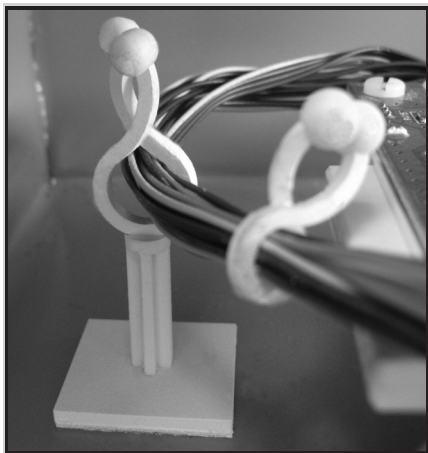
Micro Plastics' "EZ" Twist Lock Printed Circuit Board Supports feature a uniquely designed locking base which is easily snapped into the chassis by hand. Cables and wires can be loaded and unloaded with a simple twist of the fingers, and are supported above the board eliminating possible contact with hot components. Parts are stocked in natural Nylon 6/6. Other colors can be furnished with a slight extra charge. HOLE SIZE .187" • PANEL THICKNESS .030"/.078"



## "EZ" TWIST LOCK SUPPORTS

Molded in **Natural Nylon 6/6**

ITEM NUMBER	DESCRIPTION	A	B	C REF.
23EZO250N0954	.250 BUNDLE DIA.	.954 (24,23)	.876 (22,25)	.276 (7,01)
23EZO450N0030	.450 BUNDLE DIA.	.028 (0,71)	1.180 (29,97)	.453 (11,51)
23EZO200N0030	.200 BUNDLE DIA.	.011 (0,28)	.844 (21,44)	.205 (5,21)
23EZO375N0030	.375 BUNDLE DIA.	.050 (1,27)	1.066 (27,08)	.350 (8,89)
23EZO450N0625	.450 BUNDLE DIA.	.615 (15,62)	1.184 (30,07)	.453 (11,51)
23EZO625N0028	.625 BUNDLE DIA.	.028 (0,71)	1.270 (32,26)	.620 (15,75)

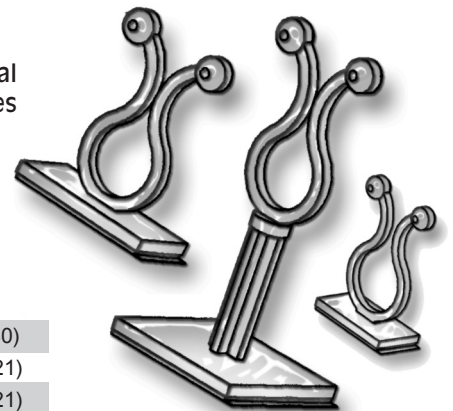


Micro Plastics' "EZ" Twist Lock Supports on Adhesive Base offer an economical way of routing wires without the need for mounting holes or screws. Cables and wires can be loaded & unloaded with a simple twist of the fingers. Also includes a release tab for easy quick installation.

## "EZ" TWIST LOCK SUPPORTS ADHESIVE BASE

Molded in **Natural Nylon 6/6**

ITEM NUMBER	A	B	C MAX	D	E
23EZABS450TAB	1.070 (27,18)	2.149 (54,58)	.450 (11,43)	1" (25,40)	1" (25,40)
23EZAB450TAB	.190 (4,83)	1.230 (31,24)	.450 (11,43)	1" (25,40)	.520 (13,21)
23EZAB580TAB	.190 (4,83)	1.400 (35,56)	.580 (14,73)	.870 (22,10)	.520 (13,21)



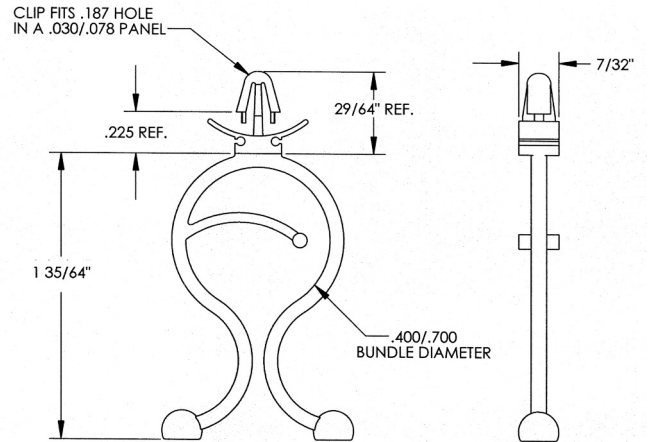
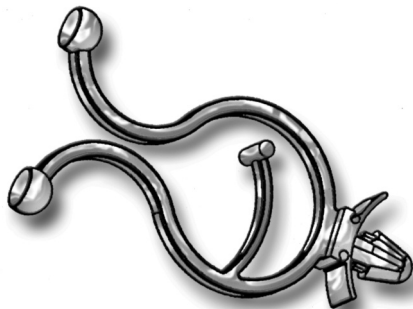
# WIRE HANDLING HARDWARE

## SECTION VII

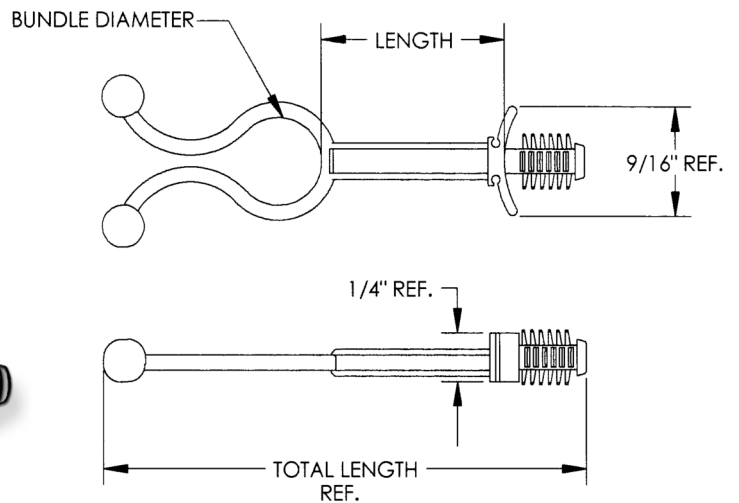
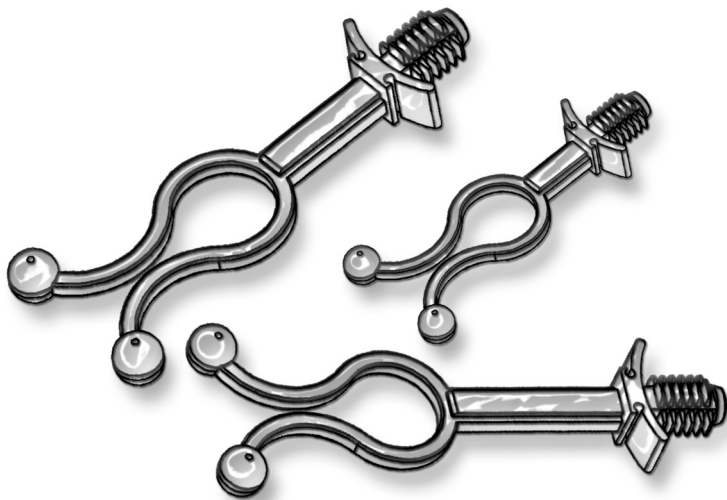
### "EZ" TWIST LOCK SUPPORT WITH ARM

Molded in **Natural Nylon 6/6**

Micro Plastics "EZ" Twist Lock Circuit Board Supports feature a unique locking base that easily snaps into the chassis by hand. Cables and wire can be loaded and unloaded with a twist of the fingers. Additional arm inside that twist lock for holding smaller wires or bundles. Molded in Natural Nylon 6/6, part fits a .187 diameter hole and panel thickness of .030 to .078.



ITEM NUMBER	BUNDLE DIA.	LENGTH
23EZSFA0500B0018	.400/.700 BUNDLE DIA.	1 35/64 (39,27)



STANDARD LENGTH IS FROM BUNDLE DIAMETER TO TOP OF 1/32\" PANEL

### "EZ" TWIST LOCK FIN CLIP BASE

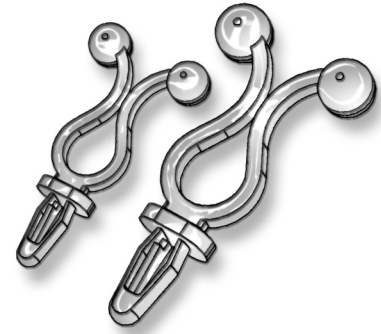
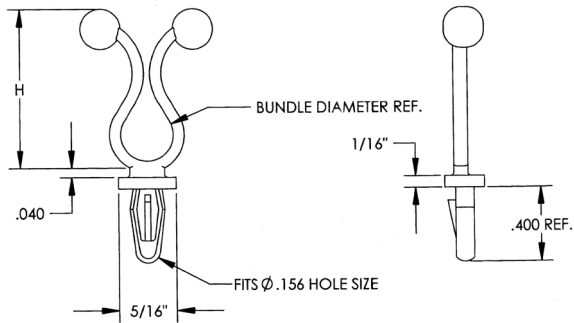
Molded in **Natural Nylon 6/6**

ITEM NUMBER	BUNDLE DIAMETER	LENGTH	TOTAL LENGTH	MOUNTING HOLE	PANEL RANGE
23EZF037B025	3/8" (9,53)	.200 (5,08)	1-21/32 (42,06)	.187 (4,75)	1/32 (0,79) - 1/4 (6,35)
23EZF037B037	3/8" (9,53)	.315 (8,00)	1-25/32 (45,24)	.187 (4,75)	1/32 (0,79) - 1/4 (6,35)
23EZF037B050	3/8" (9,53)	.437 (11,10)	1-29/32 (48,41)	.187 (4,75)	1/32 (0,79) - 1/4 (6,35)
23EZF037B062	3/8" (9,53)	.555 (14,10)	2-1/32" (51,59)	.187 (4,75)	1/32 (0,79) - 1/4 (6,35)
23EZF050C037	1/2" (12,70)	.318 (8,08)	1-27/32 (46,81)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF050C050	1/2" (12,70)	.447 (11,35)	1-63/64 (50,39)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF050C062	1/2" (12,70)	.596 (15,14)	2-1/8 (53,98)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF050C100	1/2" (12,70)	.942 (23,93)	2-15/32 (62,71)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF062C037	5/8" (15,88)	.319 (8,10)	1-15/16 (49,21)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF062C050	5/8" (15,88)	.442 (11,23)	2-3/64 (51,99)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF062C062	5/8" (15,88)	.595 (15,11)	2-3/16 (55,56)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)
23EZF062C100	5/8" (15,88)	.935 (23,75)	2-35/64 (64,69)	.250 (6,35)	1/32 (0,79) - 1/4 (6,35)



# WIRE HANDLING HARDWARE

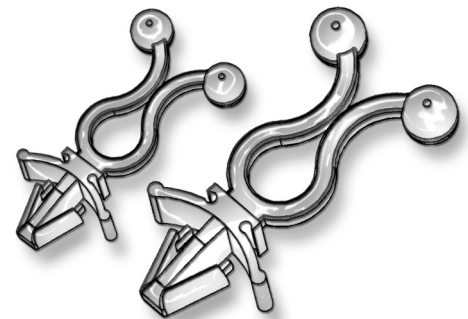
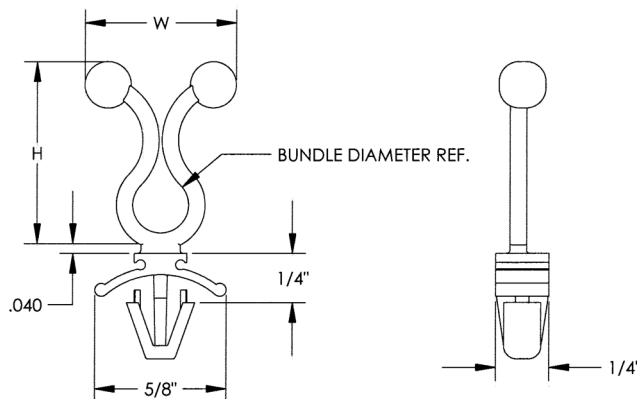
SECTION  
VII



## "EZ" TWIST LOCK SUPPORTS

Molded in **Natural Nylon 6/6**

ITEM NUMBER	DESCRIPTION	PANEL THICKNESS	H
23EZO250C0040	.250 BUNDLE DIA.	1/16" (1,57)	7/8" (22,23)
23EZO375C0040	.375 BUNDLE DIA.	1/16" (1,57)	1-5/64" (27,37)
23EZO500C0040	.500 BUNDLE DIA.	1/16" (1,57)	1-13/64" (30,56)



## "EZ" TWIST LOCK SUPPORTS

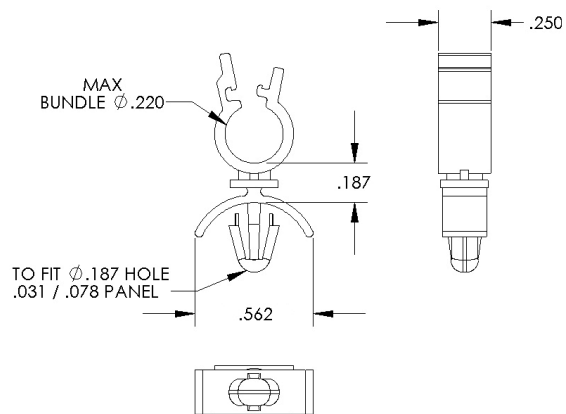
Molded in **Natural Nylon 6/6**

ITEM NUMBER	DESCRIPTION	PANEL THICKNESS	H
23EZO250B0040	.250 BUNDLE DIA.	.047 (1,19) / .109 (2,77)	7/8" (22,23)
23EZO375B0040	.375 BUNDLE DIA.	.047 (1,19) / .109 (2,77)	1-5/64" (27,37)
23EZO500B0040	.500 BUNDLE DIA.	.047 (1,19) / .109 (2,77)	1-13/64" (30,56)



## LOCK CLIP

Molded in **Natural Nylon 6/6**



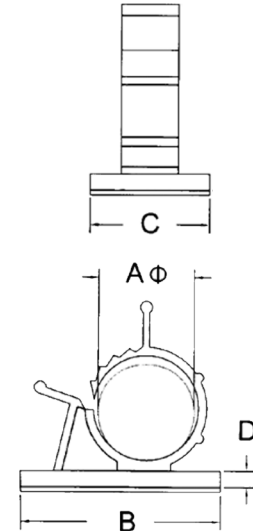
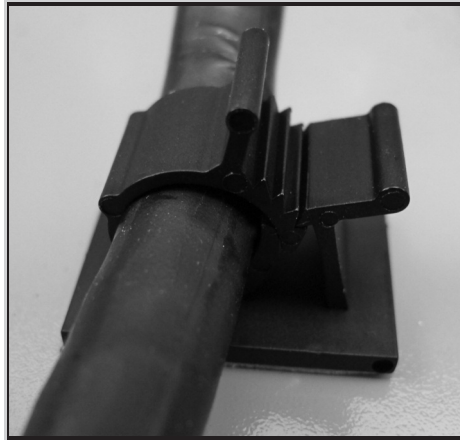
ITEM NUMBER

22SOLC0187



# WIRE HANDLING HARDWARE

## SECTION VII



### ADJUSTABLE CABLE CLAMP

Molded in **Black Nylon 6/6** NOTE: RELEASABLE TAB AVAILABLE UPON REQUEST

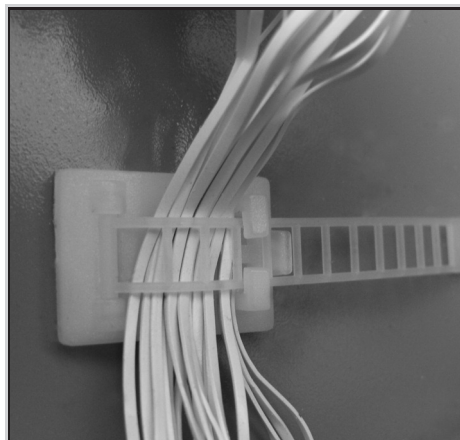
ADHESIVE TAPE

- Material: UL approved Black NYLON 66, 94V-2 (Backed with adhesive tape)
- One size of adjustable clamp can accommodate various cables that will save your stock cost.
- Easy to install, and open and close for unlimited usage

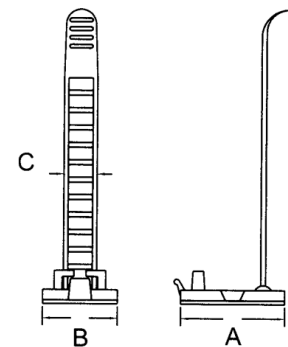
ITEM NUMBER	A CLAMPING RANGE	*REF. B BASE LENGTH	C BASE WIDTH	D BASE THICKNESS
22AAWC310400	.311/.390 (7,9/9,9)	1" (25,4)	3/4 (19,05)	5/64 (1,98)
22AAWC390490	.390/.485 (9,9/12,32)	1.281 (32,54)	3/4 (19,05)	5/64 (1,98)
22AAWC500600	.445/.560 (11,3/14,22)	1.455 (36,7)	3/4 (19,05)	5/64 (1,98)
22AAWC650790	.620/.765 (15,75/19,43)	1.660 (42,16)	1" (25,4)	1/8 (3,17)
22AAWC830930	.755/.935 (19,18/23,75)	1.75 (44,45)	1" (25,4)	7/64 (2,78)



ADHESIVE TAPE



- PACKAGED IN BAGS OF 100 PIECES EACH
- PURCHASE IN PACKAGED QUANTITIES ONLY



### LADDER STYLE ADJUSTABLE CABLE CLAMP

Molded in **Natural Nylon 6/6 94V-2**

ITEM NUMBER	A REF.	B REF.	C REF.	MAX BUNDLE DIA.	PACKAGING
NM22LCC0625	.984" 25mm	.709" 18mm	.311" 7.9mm	.669" 17.0mm	100 pcs
NM22LCC0812	1.200" 30.5mm	.827" 21mm	.472" 12mm	.866" 22.0mm	100 pcs
NM22LCC1000	1.200" 30.5mm	.827" 21mm	.472" 12mm	1.024" 26.0mm	100 pcs



# WIRE HANDLING HARDWARE

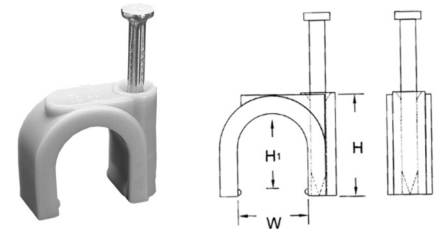
SECTION  
VII

Molded Nail-In Cable Clips are used to safely install cable T.V., fiber optics, computer networks, telephone and other communication systems, hydraulic and pneumatic systems. The clips are molded in tough, electrically insulating, ultra violet resistant, high density Polyethylene. Main stress areas of the clip have reinforcing ribs designed into the part to strengthen and absorb the impact. The Nail-In Clips have all contact edges radiused to protect cable or tubing from damage. Clips are supplied with nickel plated steel nails pre-assembled, ready for use in masonry, wood, plaster, or stucco. Clips are easily and efficiently installed, resulting in a low in-place cost. Nail-In Clips are stocked in the most popular cable sizes ranging from 4mm to 9mm including the RG59 and the double shield cables.

PURCHASE IN PACKAGED QUANTITIES ONLY

## NAIL IN CABLE CLIPS (Single, Round Cable)

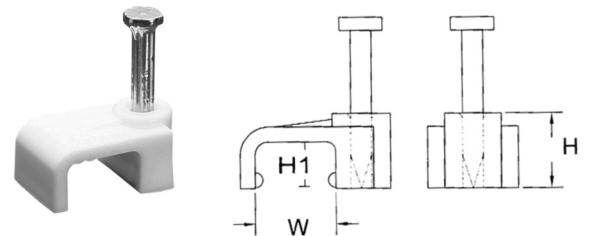
Molded in **Black, White Polyethylene**  
WITH NAILS INSERTED



ITEM NUMBER BLACK	WHITE	W	H	H1	PACKAGING
22NCC0400R	22NCC0400RW	.145" 3.6mm	.257" 6.5mm	.155" 3.9mm	100 pcs
22NCC0500R	22NCC0500RW	.190" 5mm	.299" 7.6mm	.209" 5.3mm	100 pcs
22NCC0700R	22NCC0700RW	.236" 6mm	.354" 9mm	.260" 6.6mm	100 pcs
22NCC0800R	22NCC0800RW	.302" 7.6mm	.453" 11.5mm	.335" 8.5mm	100 pcs

## NAIL IN CABLE CLIPS (Single, Flat Cable)

Molded in **Black, White Polyethylene**  
WITH NAILS INSERTED

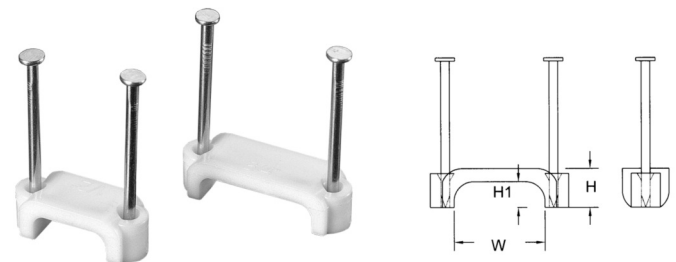


ITEM NUMBER BLACK	WHITE	W	H	H1	PACKAGING
22NCC0450F	22NCC0450FW	.217" 5.5mm	.217" 5.5mm	.122" 3.1mm	100 pcs
22NCC0900F	22NCC0900FW	.335" 8.5mm	.315" 8mm	.205" 5.2mm	100 pcs

- Double nail ensures cable will firmly stay in place.

## NAIL IN CABLE CLIPS (Double)

Molded in **Black, White Polyethylene**  
WITH NAILS INSERTED



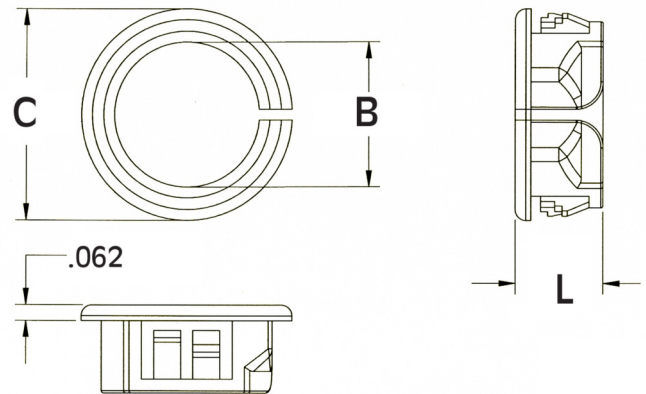
ITEM NUMBER BLACK	WHITE	W	H	H1	PACKAGING
22NCC1250FB	22NCC1250FW	.492" 12.5mm	.315" 8mm	.209" 5.3mm	100 pcs
22NCC1900FB	22NCC1900FW	.736" 18.7mm	.315" 8mm	.209" 5.3mm	100 pcs



# WIRE HANDLING HARDWARE

## SECTION VII

- Protect wire cable tubing and hose from sharp, uneven drilled or punched holes in sheet metal.
- For 1/32" - 0.8mm to 1/8" - 3.2mm chassis thickness.
- Finger-tip pressure to install. No tool is needed.
- Can be applied after power cable has been installed.
- Part is UL approved.

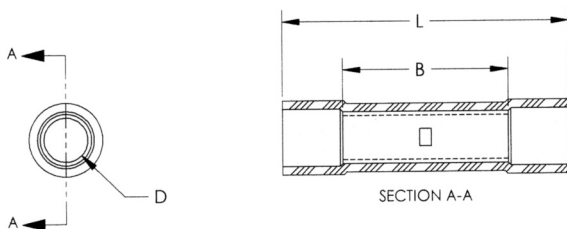


## OPEN/CLOSE BUSHINGS

Molded in **Black Nylon 6/6**

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NUMBER	MOUNTING HOLE		B		C		L		PACKAGING
NM22OCB0375	3/8"	9.5mm	.264"	6.7mm	.484"	12.3mm	.406"	10.3mm	100 pcs.
NM22OCB0500	1/2"	12.7mm	.315"	8.0mm	.610"	15.5mm	.406"	10.3mm	100 pcs.
NM22OCB0625	5/8"	15.9mm	.453"	11.5mm	.736"	18.7mm	.406"	10.3mm	100 pcs.
NM22OCB0750	3/4"	18.9mm	.516"	13.1mm	.846"	21.5mm	.406"	10.3mm	100 pcs.
NM22OCB0875	7/8"	22.2mm	.669"	17.0mm	.976"	24.8mm	.406"	10.3mm	100 pcs.
NM22OCB1000	1"	25.4mm	.795"	20.2mm	1.103"	28.0mm	.406"	10.3mm	100 pcs.



## INSULATED BUTTSPLICE

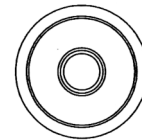
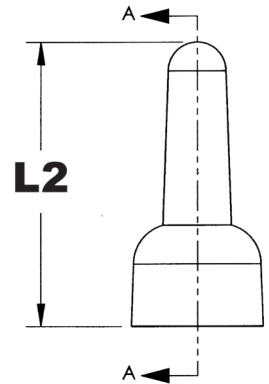
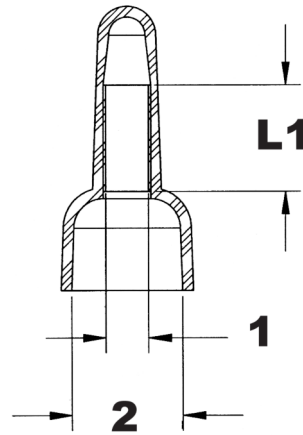
VINYL COVER

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NUMBER	B REF. DIM.		L REF. DIM		D REF. DIM		WIRE SIZE		COLOR	PACKAGING
NM22BF125S	.591"	15mm	1.000"	25.4mm	.071"	1.8mm	22-16	0.5-1.0	RED	100 pcs.
NM22BF20S	.591"	15mm	1.031"	26.1mm	.111"	2.8mm	16-14	1.5-2.5	BLUE	100 pcs.
NM22BF55S	.591"	15mm	1.000"	25.4mm	.157"	4mm	12-10	4-6	YELLOW	100 pcs.







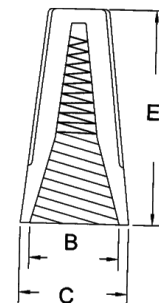
- Material: UL approved NYLON 66, 94V-2
- Nylon insulated close-end wire connector
- To apply, insert pre-stripped wires into connector tube and crimp it with crimping tool to hold wires firmly even in vibration.
- Insert is copper - tin plated

## CLOSED END WIRE CONNECTORS

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NO.	L1	L2	1	2	PACKAGING	AWG
NM22WC01	.275" 6.9mm	.787" 20mm	.094" 2.4mm	.307" 7.8mm	100 pcs	22-16
NM22WC02	.295" 7.5mm	.787" 20mm	.118" 3.0mm	.307" 7.8mm	100 pcs	16-14
NM22WC05	.335" 8.5mm	1.004" 25.5mm	.165" 4.1mm	.409" 10.3mm	100 pcs	12-10
NM22WC08*	.374" 9.5mm	1.071" 27.2mm	.185" 4.7mm	.472" 12.0mm	100 pcs	8

\* NOT UL LISTED



- Material: PVC Shell with spring inserted
- Strip wires before application
- Maximum temperature 105°C - 221°F

## SCREW ON WIRE CONNECTORS

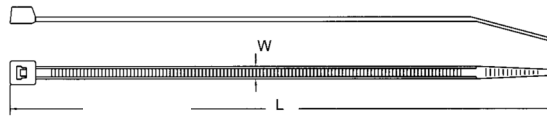
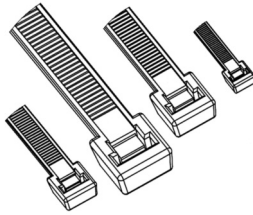
PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NO.	COLOR	B	C	E	WIRE COMBINATION
NM22SWC71	Grey	.240" 6.1mm	.338" 8.5mm	.598" 15mm	MIN#20X1+#22X1 MAX#16X2
NM22SWC72	Blue	.280" 7.1mm	.385" 9.7mm	.693" 17.8mm	MIN#20X3 MAX#16X3
NM22SWC73	Orange	.374" 9.5mm	.496" 12.6mm	.866" 22mm	MIN#20X3 MAX#16X3+#18X1
NM22SWC74	Yellow	.425" 10.8mm	.551" 14.0mm	.961" 24.4mm	MIN#14X1+#18X1 MAX#14X4+#18X1
NM22SWC76	Red	.511" 12.9mm	.645" 16.3mm	1.043" 26.5mm	MIN#14X2 MAX#10X2+#12X2



# WIRE HANDLING HARDWARE

## SECTION VII



**RU**  
Details in  
E 97707



**New  
SIZES**

- Manufactured from tough, durable Nylon 6/6 material which is self extinguishing to U.L. 94V2.
  - The Nylon is inert to fungus or mold and is resistant to petrols, oil, grease and alkalis, etc.
  - Ties can be tensioned by hand or by the use of applied tensioning tools.
  - TENSILE STRENGTH AT 73° DRY AS MOLDED
  - Packaged 100 pieces per bag.
- Additional **COLORS** are available for part numbers beginning with **NT**: **Red, Yellow, Green and Blue**.  
Add the color to the end of the part number when ordering. Example: ( NT10025C**RED** ) ( NT10025C**GREEN** )
  - Additional **COLORS** are available for part numbers beginning with **23CT**: **Red-(RD), Yellow-(Y) Green-(GR) and Blue-(BL)**.  
Add the color code to the end of the part number when ordering. Example: ( 23CT060050**RD** ) ( 23CY060050**Y** )

## CABLE TIES

**Molded in Natural and Black Nylon 6/6**

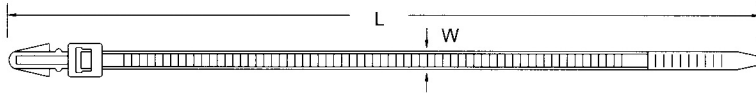
Natural ITEM NUMBER	Black UV ITEM NUMBER	LENGTH		WIDTH		MAX. DIAMETER		TENSILE STRENGTH		RANGE
NT08025C	NT08025CB	2.95"	75mm	.094"	2.4mm	.71"	18mm	18lb	8.1kg	MINIATURE
NT10025C	NT10025CB	3.94"	100mm	.098"	2.5mm	.98"	25mm	18lb	8.1kg	MINIATURE
NT16025C	NT16025CB	6.50"	165mm	.098"	2.5mm	1.73"	44mm	18lb	8.1kg	MINIATURE
NT20025C	NT20025CB	7.99"	203mm	.098"	2.5mm	2.16"	55mm	18lb	8.1kg	MINIATURE
NTA12032C	NTA12032CB	4.75"	120mm	.126"	3.2mm	1.18"	30mm	40lb	18kg	INTERMEDIATE
NT14036C	NT14036CB	5.59"	142mm	.126"	3.2mm	1.38"	35mm	40lb	18kg	INTERMEDIATE
NT20036C	NT20036CB	7.99"	203mm	.126"	3.2mm	2.16"	55mm	40lb	18kg	INTERMEDIATE
NT29536C	NT29536CB	11.50"	292mm	.142"	3.6mm	3.35"	85mm	40lb	18kg	INTERMEDIATE
NTA12048C	NTA12048CB	4.72"	120mm	.189"	4.8mm	1.18"	30mm	50lb	22kg	STANDARD
* 23CT060050	* 23CT060050B	6.00"	152mm	.183"	4.6mm	1.31"	33mm	50lb	22kg	STANDARD
NT16048C	NT16048CB	6.30"	160mm	.189"	4.8mm	1.65"	42mm	50lb	22kg	STANDARD
NT18048C	NT18048CB	7.48"	190mm	.189"	4.8mm	2.05"	52mm	50lb	22kg	STANDARD
23CT080050	23CT080050B	8.00"	203mm	.181"	4.6mm	2.05"	52mm	50lb	22kg	STANDARD
* NT20048C	* NT20048CB	7.99"	203mm	.181"	4.6mm	2.16"	55mm	50lb	22kg	STANDARD
NT25048C	NT25048CB	9.84"	250mm	.189"	4.8mm	2.91"	74mm	50lb	22kg	STANDARD
NT29548C	NT29548CB	11.02"	280mm	.189"	4.8mm	3.19"	81mm	50lb	22kg	STANDARD
NT37048C	NT37048CB	14.49"	368mm	.189"	4.8mm	4.02"	102mm	50lb	22kg	STANDARD
* 23CT110120	* 23CT110120B	11.00"	279mm	.292"	7.4mm	2.79"	70mm	120lb	54.5kg	STANDARD
NTA43248C	NTA43248CB	17.00"	432mm	.189"	4.8mm	4.92"	125mm	50lb	22kg	STANDARD
* NT15076C	* NT15076CB	5.91"	150mm	.299"	7.6mm	1.54"	39mm	120lb	54.5kg	LIGHT HEAVY
NT20076C	NT20076CB	7.99"	203mm	.299"	7.6mm	2.16"	55mm	120lb	54.5kg	LIGHT HEAVY
NT29076C	NT29076CB	11.02"	280mm	.299"	7.6mm	3.07"	78mm	120lb	54.5kg	LIGHT HEAVY
* 23CT145050	* 23CT145050B	14.50"	368mm	.181"	4.5mm	4.02"	102mm	50lb	22kg	LIGHT HEAVY
NT37076C	NT37076CB	14.96"	380mm	.299"	7.6mm	4.33"	110mm	120lb	54.5kg	LIGHT HEAVY
NT45090C	NT45090CB	17.72"	450mm	.315"	8.0mm	5.24"	133mm	175lb	80kg	HEAVY
NT55090C	NT55090CB	21.65"	550mm	.315"	8.0mm	6.54"	166mm	175lb	80kg	HEAVY
NTA61090C	NTA61090CB	24.00"	610mm	.354"	9.0mm	7.28"	185mm	175lb	80kg	HEAVY
NT76290C	NT76290CB	30.00"	762mm	.354"	9.0mm	9.29"	236mm	175lb	80kg	HEAVY
NTA91490C	NTA91490CB	36.00"	914mm	.354"	9.0mm	10.63"	270mm	175lb	80kg	HEAVY
NTA121990C	NTA121990CB	48.00"	1219mm	.354"	9.0mm	14.96"	380mm	175lb	80kg	HEAVY

\* NOT U.L. RECOGNIZED

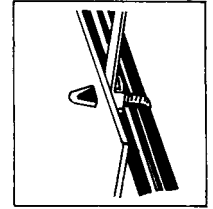


# WIRE HANDLING HARDWARE

SECTION  
VII



- Material: UL approved NYLON 66, 94V-2
- Press the tie into a pre-drilled hole for simple and secure one-piece harness tying and mounting.



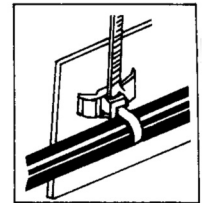
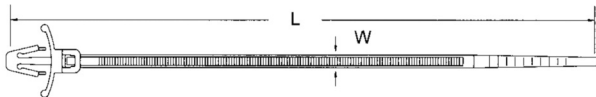
## PUSH MOUNT CABLE TIES

Molded in **Black or Natural** Nylon 6/6

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NO. NATURAL	UV BLACK	LENGTH		WIDTH		TENSILE STRENGTH		DRILLED HOLE DIA.		MAX. PANEL	
NTA15535PMTG	NTA15535PMTGB•	6.12"	155mm	.138"	3.5mm	40lb	18kg	.189"	4.8mm	.125"	3.2mm
NTA20347PMTG•	NTA20347PMTGB•	8"	203mm	.189"	4.8mm	50lb	22.2kg	.236"	6.0mm	.125"	3.2mm

•NOT UL RECOGNIZED



NTA15535WPM - UL APPROVED  
NTA13048WPM - UL APPROVED

## WING MOUNT CABLE TIES

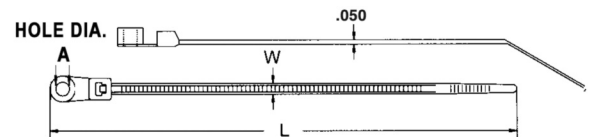
Molded in **Black or Natural** Nylon 6/6

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NUMBER NATURAL	UV BLACK	LENGTH		WIDTH		TENSILE STRENGTH		MOUNTING HOLE		MAX. PANEL THICKNESS		MAX. BUNDLE DIAMETER	
NTA11225WPM•	NTA11225WPMB•	4.41"	112mm	.098"	2.5mm	18lb	8kg	.187"	4.7mm	.070"	1.7mm	.98"	25mm
NTA15535WPM	NTA15535WPMB•	6.10"	155mm	.138"	3.5mm	40lb	18kg	.187"	4.7mm	.070"	1.7mm	1.42"	36mm
NTA13048WPM	NTA13048WPMB•	5.12"	130mm	.189"	4.8mm	50lb	22kg	.236"	6.0mm	.070"	1.7mm	1.18"	30mm
NTA20048WPM•	NTA20048WPMB•	7.87"	200mm	.189"	4.8mm	50lb	22kg	.236"	6.0mm	.070"	1.7mm	1.97"	50mm

•NOT UL RECOGNIZED

- Material: UL approved NYLON 66, 94V-2
- The cable tie can be secured to panel with a single bolt.



## SCREW MOUNTING CABLE TIES

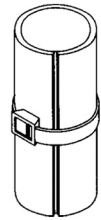
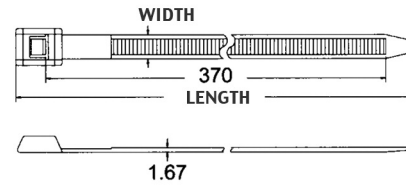
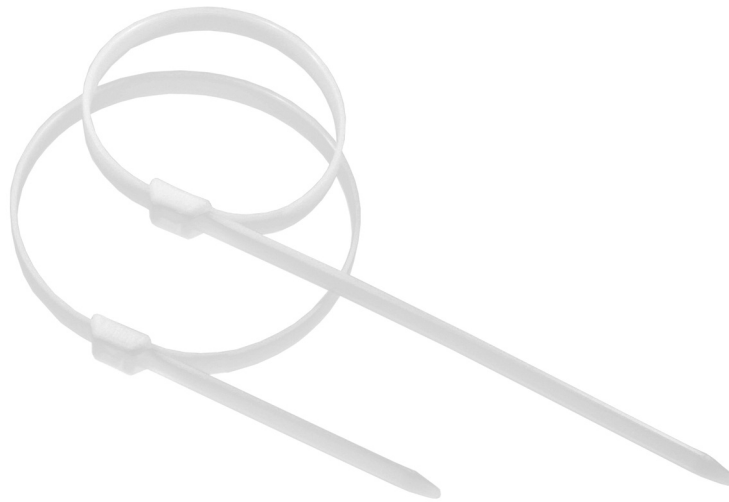
Molded in **Black or Natural** Nylon 6/6

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NO. NATURAL	UV BLACK	LENGTH		WIDTH		TENSILE STRENGTH		HOLE DIA. A		PACKAGING
NTA20542SMTG	NTA20542SMTGB	8.60"	218mm	.165"	4.2mm	50lb	22kg	.200"	5mm	100 pcs.
NTA39879SMTG	NTA39879SMTGB	16.19"	411mm	.311"	7.9mm	120lb	55kg	.241"	6.12mm	100 pcs.

# WIRE HANDLING HARDWARE

## SECTION VII



- Material: UL approved NYLON 66, 94V-2
- Flat headed low profile design to be used with playground equipment to avoid harming playing children.

## IN LINE CABLE TIE

Molded in **Natural Nylon 6/6**

PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NO.	LENGTH	WIDTH	MAX STRENGTH	PACKAGING
NTA39190LC	15.39"	391mm	.354" 9mm 50lb 22kg	100 pcs.

## CABLE TIE INSTALLATION TOOLS

ITEM NO.	DESCRIPTION
NTT00LI	Standard Adjustable Nylon Tensioning



- For use with cable tie widths from .087" to .189"

ITEM NO.	DESCRIPTION
NTT00LMI	Standard Adjustable Metal Tensioning



- For use with cable tie widths from .087" to .189"

- For use with cable tie widths from .189" to .512"



ITEM NO.	DESCRIPTION
NTT00LMHD	Standard Metal Tensioning

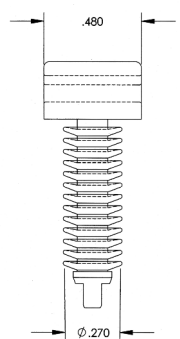
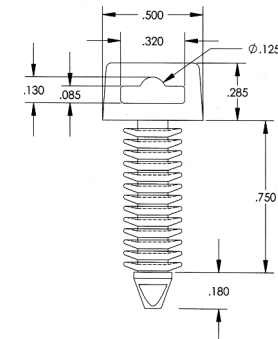
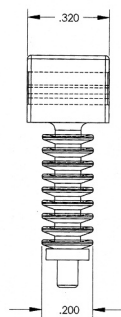
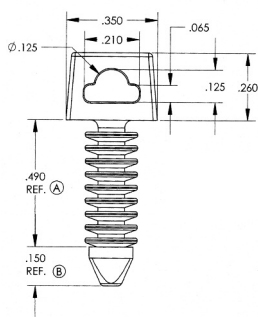
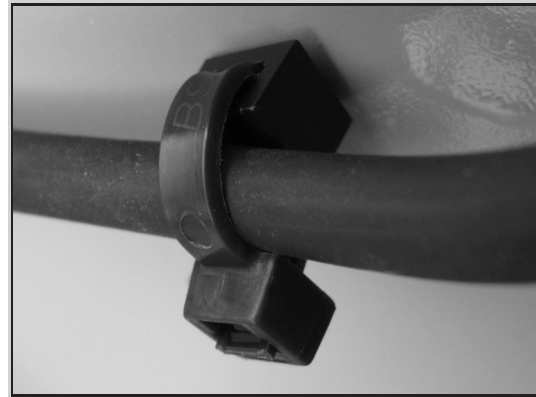
# WIRE HANDLING HARDWARE

SECTION  
VII

## FIN CLIP PUSH MOUNTS

Molded in **Black U.V. Stabilized High Density Polyethylene**

"Fin clip push mounts" are available in 2 sizes for 3/16" and 1/4" diameter holes. The special head configuration allows use with beaded ties, as well as conventional cable ties. Parts are molded in black U.V. stabilized high density polyethylene, and are suitable for use in pre-drilled holes in wood, masonry, and a variety of other materials.



ITEM NUMBER	DESCRIPTION
23FCPM18765	3/16" (4,76) PUSH MOUNT

ITEM NUMBER	DESCRIPTION
23FCPM25095	1/4" (6,35) PUSH MOUNT

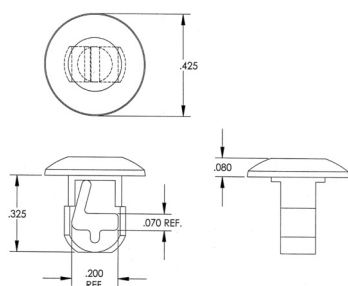
## CABLE TIE MOUNT

Molded in **Natural Nylon 6/6**

Cable tie mount for use when both sides of the panel are accessible.

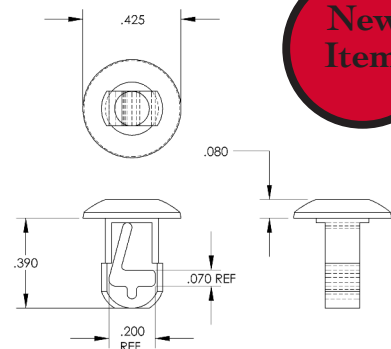
**Watch Instructional Video**

[mms://www.microplastics.com/productvideos/CableTieMount.asf](https://www.microplastics.com/productvideos/CableTieMount.asf)



- PANEL HOLE DIAMETER .250
- MAXIMUM PANEL THICKNESS .125

ITEM NUMBER	DESCRIPTION
23TA250125	Cable Tie Mount



- PANEL HOLE DIAMETER .250
- MAXIMUM PANEL THICKNESS .188

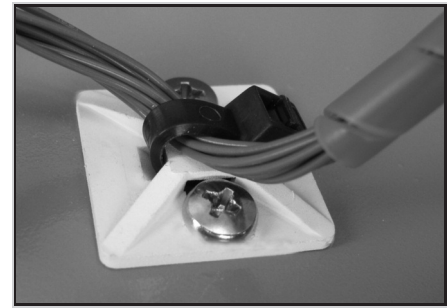
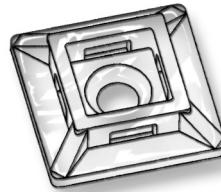
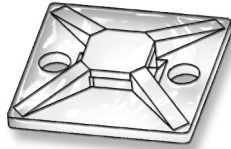
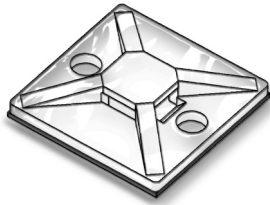
ITEM NUMBER	DESCRIPTION
23TA250188	Cable Tie Mount

# WIRE HANDLING HARDWARE

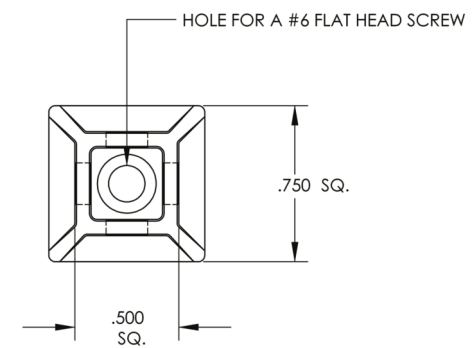
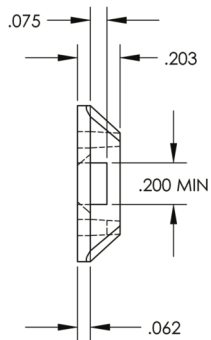
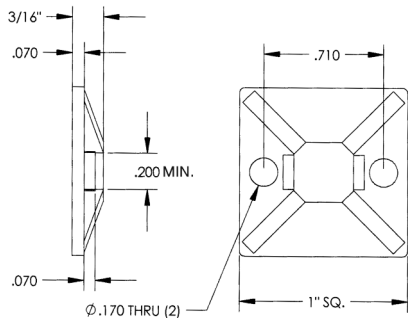
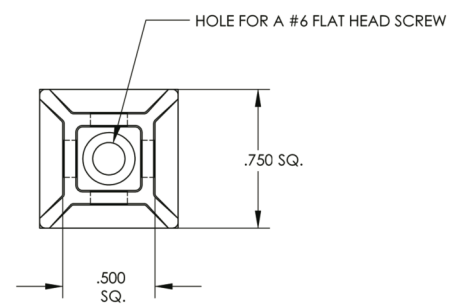
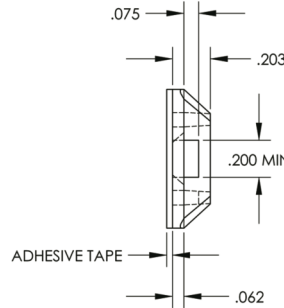
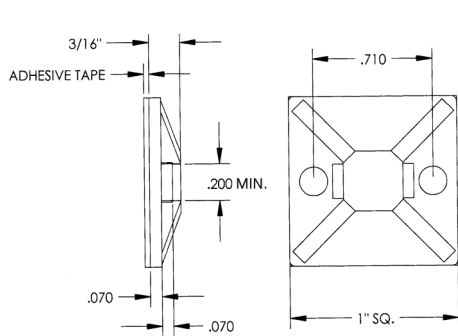
## SECTION VII

### CRADLE MOUNTS

Molded in Natural Nylon 6/6



Cradle Mounts are used in applications where a low profile is necessary. Each mount offers a four way entry and is secured with either a screw or adhesive backing. 23TA00420 is secured with a #2 - #4 or #6 screw, 23TA00495 uses #6 Flat Head Screw.



ITEM NUMBER	DESCRIPTION
23TA00400	1" (25,40) CRADLE MOUNT (ADHESIVE)
23TA00420	1" (25,40) CRADLE MOUNT (SCREW)

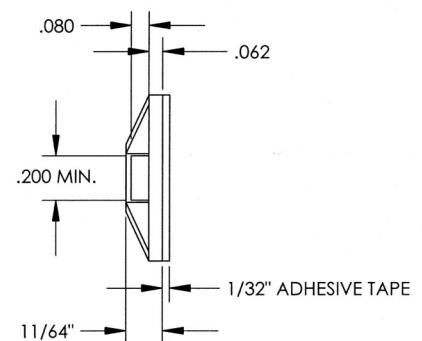
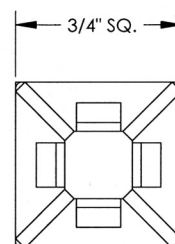
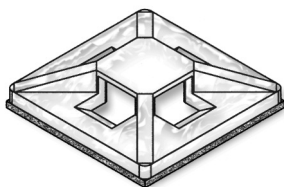
ITEM NUMBER	DESCRIPTION
23TA00475	3/4" (19,05) CRADLE MOUNT (ADHESIVE)
23TA00495	3/4" (19,05) CRADLE MOUNT (SCREW)

**NOTE:** the adhesive mounts have an acrylic foam backing that should be used on a smooth, clean, dry surface.

### CRADLE MOUNT CLOSED SQUARE

Molded in Natural Nylon 6/6

This Cradle Mount is used in applications where a low profile is necessary. Each mount offers a four way entry and is secured using an acrylic foam backing that should be used on a smooth, clean, dry surface.



ITEM NUMBER	DESCRIPTION
23TA00500	3/4" (19,05) CRADLE MOUNT (ADHESIVE) CLOSED SQUARE

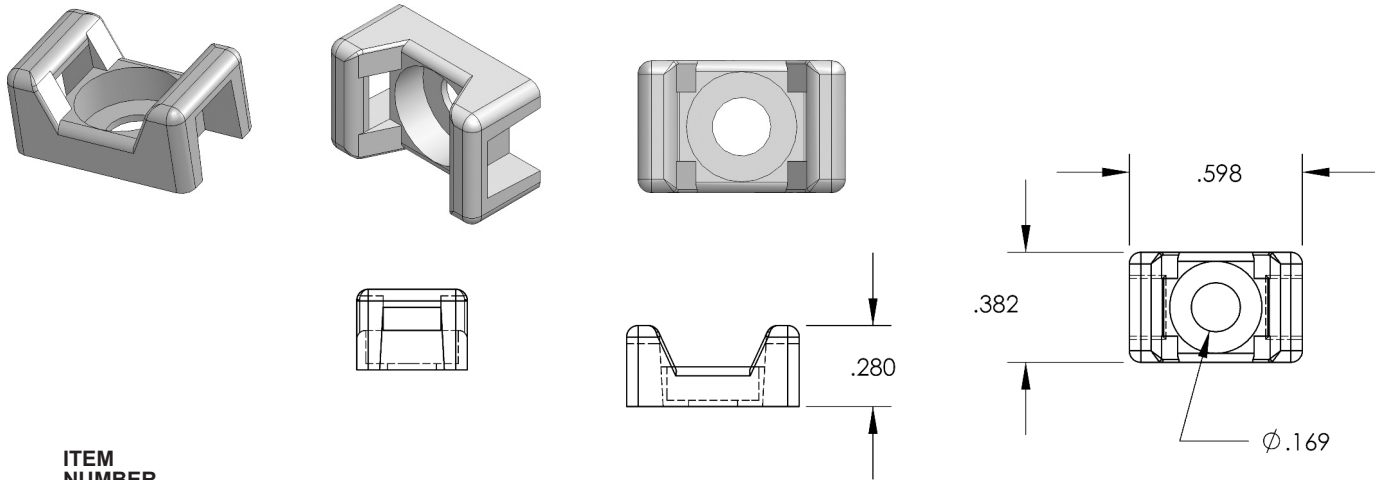
# WIRE HANDLING HARDWARE

SECTION  
VII

## CABLE TIE HOLDER

Molded in **Natural Nylon 6/6**

Screw mount tie holder offers a two way entry and is secured with a mounting screw.

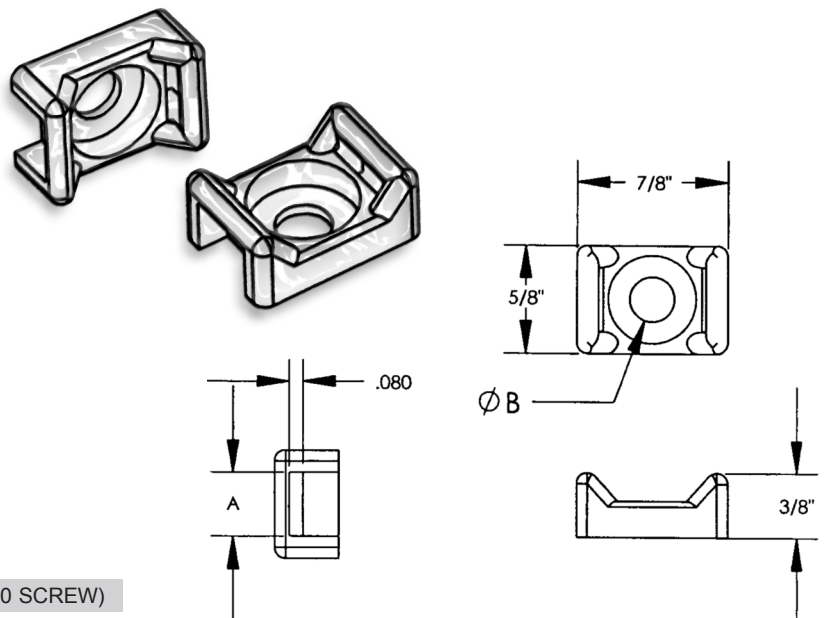


ITEM  
NUMBER  
23TA00550

## CABLE TIE HOLDER

Molded in **Natural Nylon 6/6**

Screw mount tie holder offers a two way entry and is secured with a mounting screw.



ITEM NUMBER	A REF.	B
23TA00600	.370 (9,40)	.260 (6,60) (1/4-20 SCREW)
23TA00700	.370 (9,40)	.195 (4,95) (10-32 SCREW)



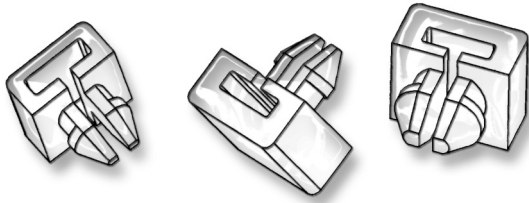
# WIRE HANDLING HARDWARE

## SECTION VII

### CLIP MOUNTS

Molded in **Natural Nylon 6/6**

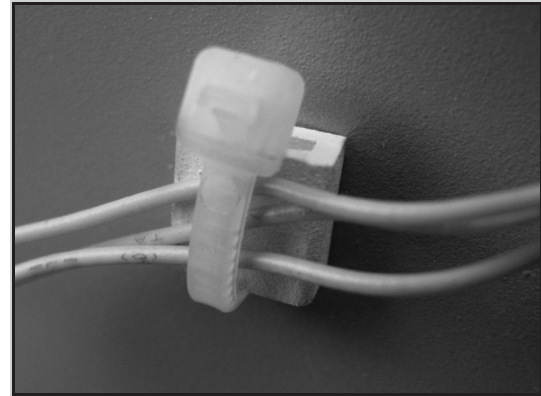
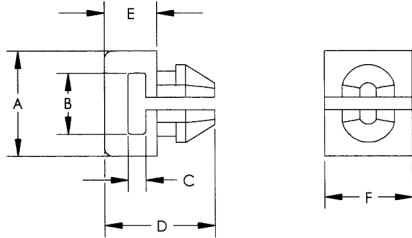
Clip Mounts are designed to securely connect a tie to a predrilled hole. Clip Mounts can be used in applications where the back of the panel is inaccessible.



23TA00090

23TA00100

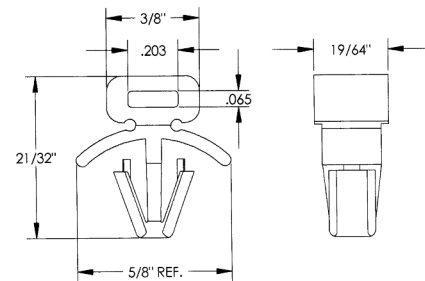
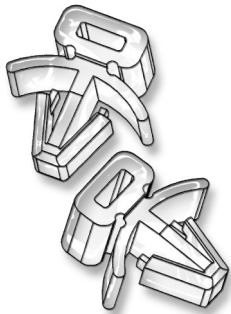
23TA00110



ITEM NUMBER	A	B	C	D	E	F	HOLE SIZE	PANEL THICKNESS
23TA00090	.320 (8,13)	.220 (5,59)	.050 (1,27)	.350 (8,89)	.150 (3,81)	.320 (8,13)	.187 (4,75)	.062 (1,57)
23TA00100	.380 (9,65)	.220 (5,59)	.065 (1,65)	.400 (10,16)	.190 (4,83)	.320 (8,13)	.187 (4,75)	.062 (1,57)
23TA00110	.380 (9,65)	.220 (5,59)	.065 (1,65)	.400 (10,16)	.190 (4,83)	.320 (8,13)	.250 (6,35)	.062 (1,57)

### CLIP MOUNTS

Molded in **Natural Nylon 6/6**

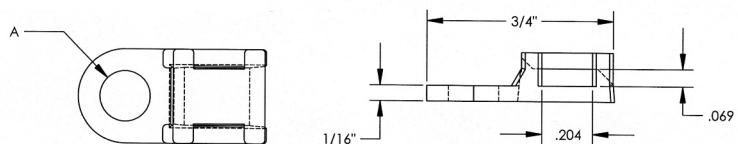
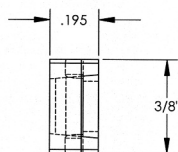
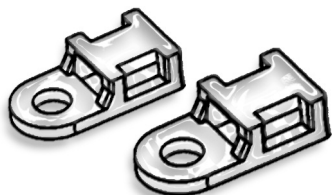


ITEM NUMBER	DESCRIPTION	HOLE SIZE	PANEL THICKNESS
23TA00120	.250 (6,35) CLIP MOUNT	.250 (6,35)	.047/108 (1,19/2,74)

### CLIP MOUNTS

Molded in **Natural Nylon 6/6**

Screw clip mount tie holder offers a two way entry and is secured with a #8 or #10 mounting screw.



ITEM NUMBER	A	SCREW SIZE
23TA40170	.171 (4,34)	#8
23TA40200	.201 (5,11)	#10

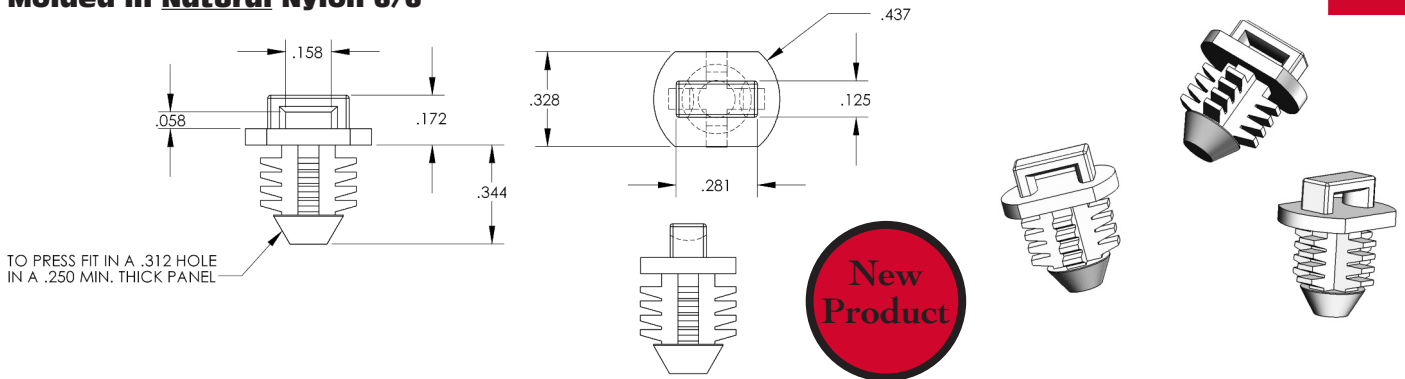


# WIRE HANDLING HARDWARE

SECTION VII

## PUSH TIE MOUNT

Molded in **Natural Nylon 6/6**

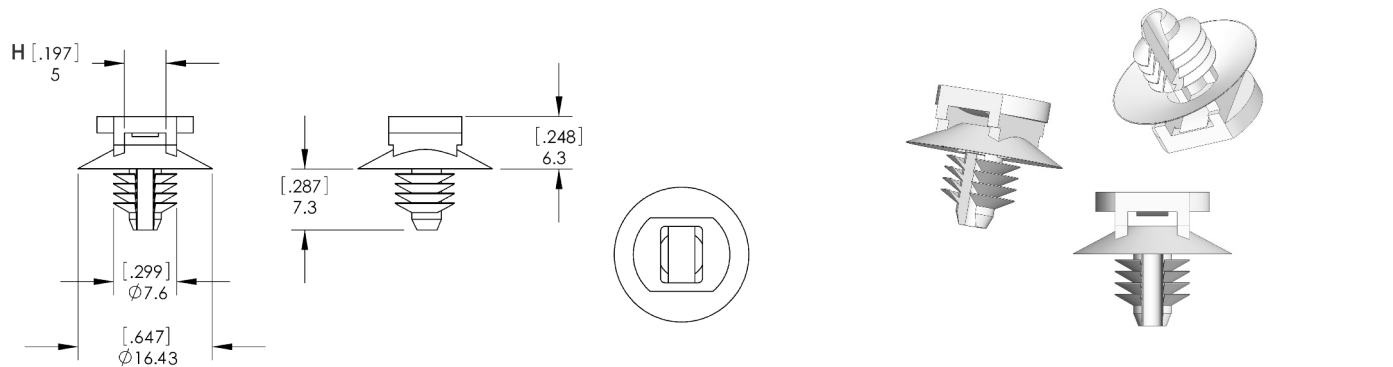


ITEM NUMBER	HOLE SIZE	MINIMUM PANEL THICKNESS
23TAPM312344	.312 (7,92)	.250 (6,35)

## PUSH TIE MOUNT

Molded in **Natural Nylon 6/6**

- MATERIAL: U.L APPROVED NYLON 66, 94V-2
- DRILL .244" (6.2MM) hole on board to fix tie mount and then insert tie into the mount for bundling cables.



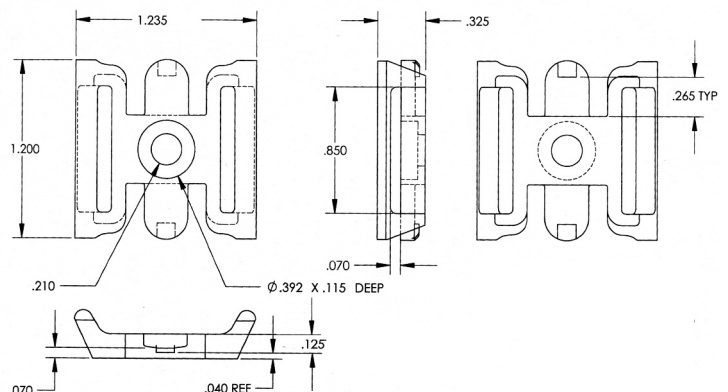
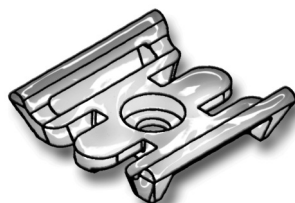
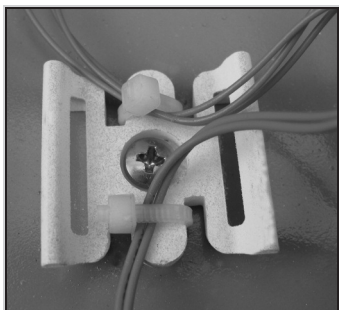
PARTS ARE PACKAGED 100 PIECES PER BAG • PURCHASE IN PACKAGED QUANTITIES ONLY

ITEM NUMBER	H	FITTING	PACKAGING
NM23PM25	.197" 5mm	.299" 7.6mm	100 pcs

## COMBO CRADLE MOUNTS

Molded in **Natural Nylon 6/6**

The combination cradle mount can be secured with a screw or rivet. Part can be used with standard wire ties or hook and loop wire ties.



ITEM NUMBER	DESCRIPTION
23TAHL110340	COMBO CRADLE MOUNT (SCREW OR RIVET MOUNT)

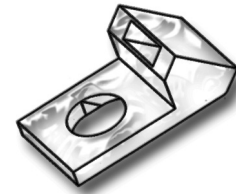
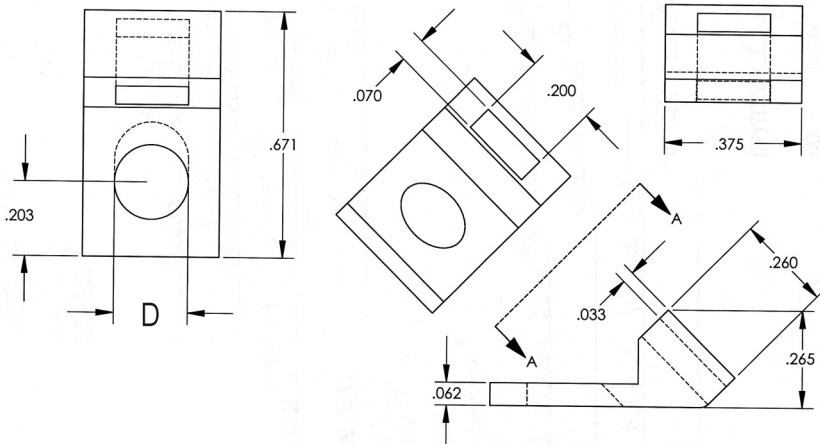
# WIRE HANDLING HARDWARE

## SECTION VII

### WIRE TIE MOUNTING BRACKET

Molded in **Natural Nylon 6/6**

Wire Tie Mounting Brackets are for use with ties up to .190 wide and .060 thick. This series of brackets cover mounting screw sizes from #4 through #10. The compact design is ideal for limited space requirements.

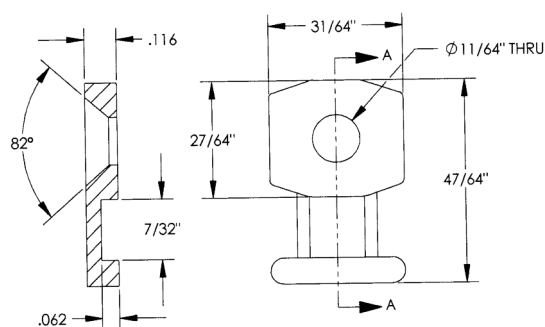
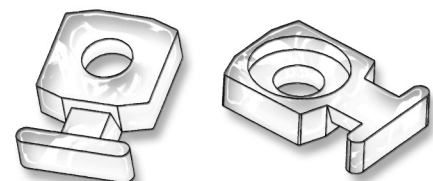
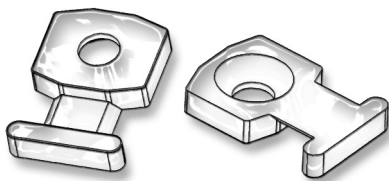


ITEM NUMBER	D
23TA207128	.128 (3,25)
23TA207140	.140 (3,56)
23TA207167	.167 (4,24)
23TA207203	.203 (5,16)

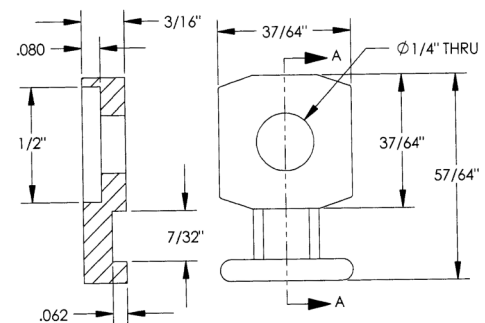
### SCREW TABS

Molded in **Natural Nylon 6/6**

Screw Tabs are designed for use where space is limited. Tabs are fastened with a screw to provide a low profile assembly.



ITEM NUMBER	DESCRIPTION
23TA00200	#8 SCREW TAB



ITEM NUMBER	DESCRIPTION
23TA00250	1/4" (6,35) SCREW TAB



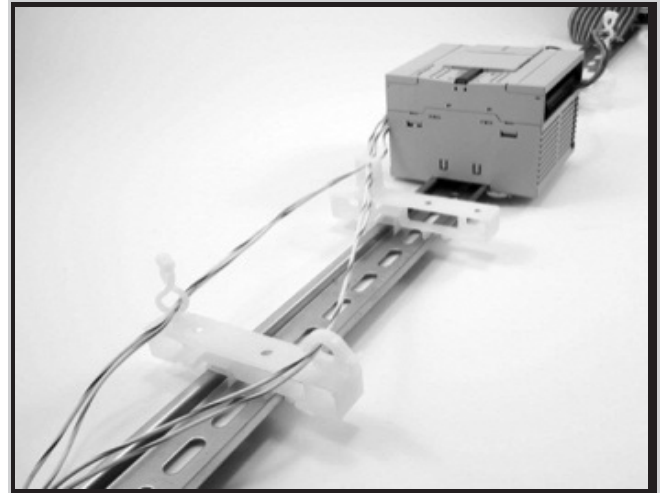
# WIRE HANDLING HARDWARE

SECTION  
VII

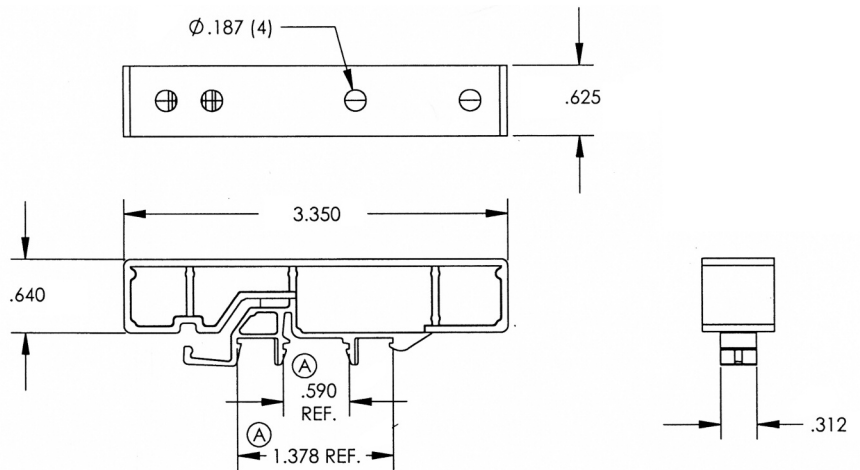
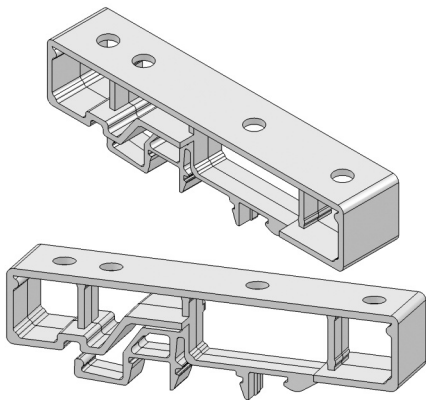
## DINN RAIL HARDWARE

Molded in **Natural Nylon 6/6**

The Dinn Clip attaches to standard Din #2 and #3 rails, and is used to route wire and cables on equipment which uses Din rails. Dinn rails are commonly used on a variety of industrial equipment to mount components on the rails, including PLCs. Until now, there was no product specifically designed for wire/cable routing using the Dinn Rail. The part snaps onto the dinn rail and is easily removable to allow reconfiguration of the wiring. The top of the Dinn Clip accommodates up to 4 wire handling accessory fasteners which mount into the 3/16" diameter (4.8mm) holes on the Dinn Clip. Micro Plastics, Inc. manufactures many wire handling clips which work in conjunction with the Dinn Clip including clips for ribbon cables, wire tie mounts, EZ twist lock mounts, and a wide variety of other clips including other manufacturer's clips - virtually any part that mounts in a 3/16" diameter hole and a 1/16" panel. The Din Clip is molded of nylon 6/6 which is an electrical insulator and UL rated 94-V2 for flammability.



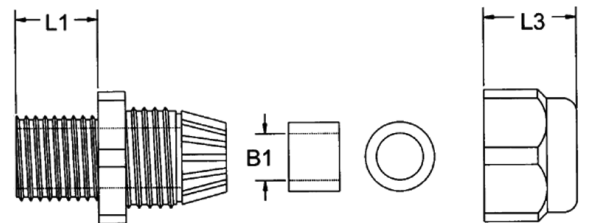
ITEM NUMBER	DESCRIPTION
23DRC001	Dinn Rail Clip



## CABLE GLAND

Molded in **Black Nylon 6/6** - UL approved 94V-2

- Purchased in packaged quantities only
- NPT-Thread



ITEM NO.	NPT THREAD	B1	L1	L3	CABLE RANGE	PACKAGING
NM23CG0250	NPT 1/4"	.236" 6mm	.299" 7.6mm	.520" 13.2mm	.118-.256" 3-6.5mm	50 pcs
NM23CG0375	NPT 3/8"	.354" 9mm	.575" 14.6mm	.661" 16.8mm	.197-.394" 5-10mm	50 pcs
NM23CG0500	NPT 1/2"	.510" 12.9mm	.492" 12.5mm	.724" 18.4mm	.394-.551" 10-14mm	50 pcs
NM23CG0750	NPT 3/4"	.650" 16.5mm	.575" 14.6mm	.878" 22.3mm	.512-.709" 13-18mm	50 pcs
NM23CG1000	NPT 1"	.933" 23.7mm	.579" 14.7mm	1.071" 27.2mm	.709-.984" 18-25mm	25 pcs
NM23CG1250	NPT 1-1/4"	1.142" 29mm	.705" 17.9mm	1.236" 31.4mm	.866-1.260" 22-32mm	10 pcs

SEE MICRO PLASTICS' HEX JAM NUTS PJN SERIES FOR HEX NUTS, SOLD SEPERATE



# WIRE HANDLING HARDWARE

## SECTION VII



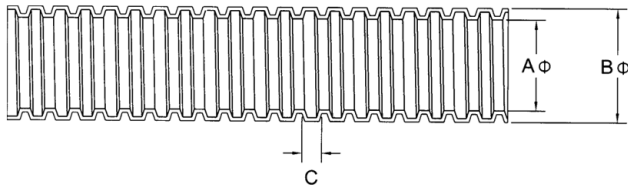
## SPLIT LOOM

A split wire loom is a flexible corrugated tube with an easy opening seam down the side for quick wire insertion and removal. The wire loom is extruded from durable black materials, resistant to temperature and corrosion conditions.

**Split Loom** accommodates any manufacturing application, installing easily to provide the best in wire and harness protection.

Use **Split Loom** around your home on computers and entertainment systems to prevent safety hazards by organizing cords and wires while making them look neat and attractive.

**Split Loom** is commonly used in the automotive, HVAC and appliance industries manufacturing process. The kink-resistant flexible tubing allows easy routing solutions to direct wiring away from heated and moving parts, while the convoluted surface enhances the appearance with a uniform finish.



## SPLIT LOOM

Molded in **Black Polypropylene** - *Split Design*

ITEM NUMBER	SIZE	A REF.	B REF.	C	STANDARD PACKAGING	Code POB Payout Box	Code MG Mini Gaylord	Code BULK Gaylord
22SL0250PP	1/4"	.266" 6.8mm	.395" 10.0mm	.120" 3.05mm	100 ft. roll	200'	4,000'	20,700'
22SL0375PP	3/8"	.419" 10.6mm	.535" 13.6mm	.128" 3.25mm	100 ft. roll	150'	2,000'	10,000'
22SL0500PP	1/2"	.505" 12.8mm	.670" 17.0mm	.143" 3.63mm	100 ft. roll	100'	1,500'	7,500'
22SL0625PP	5/8"	.650" 16.5mm	.825" 21.0mm	.145" 3.68mm	100 ft. roll	75'	900'	5,000'
22SL0750PP	3/4"	.761" 19.3mm	.927" 23.6mm	.144" 3.66mm	100 ft. roll	50'	750'	3,500'
22SL1000PP	1"	.909" 23.1mm	1.033" 26.2mm	.172" 4.37mm	100 ft. roll	40'	500'	3,000'

**PURCHASE IN PACKAGED QUANTITIES ONLY**

## SPLIT LOOM Other Colors Available: ORANGE add code - OR

Molded in **Black Nylon 6** - *Split Design* - ALL BLACK NYLON Split Loom has a GREY stripe.

ITEM NUMBER	SIZE	A REF.	B REF.	C	STANDARD PACKAGING	Code POB Payout Box	Code MG Mini Gaylord	Code BULK Gaylord
22SL0250NYGY	1/4"	.266" 6.8mm	.395" 10.0mm	.120" 3.05mm	100 ft. roll	200'	4,000'	20,700'
22SL0375NYGY	3/8"	.419" 10.6mm	.535" 13.6mm	.128" 3.25mm	100 ft. roll	150'	2,000'	10,000'
22SL0500NYGY	1/2"	.505" 12.8mm	.670" 17.0mm	.143" 3.63mm	100 ft. roll	100'	1,500'	7,500'
22SL0625NYGY	5/8"	.650" 16.5mm	.825" 21.0mm	.145" 3.68mm	100 ft. roll	75'	900'	5,000'
22SL0750NYGY	3/4"	.761" 19.3mm	.927" 23.6mm	.144" 3.66mm	100 ft. roll	50'	750'	3,500'
22SL1000NYGY	1"	.909" 23.1mm	1.033" 26.2mm	.172" 4.37mm	100 ft. roll	40'	500'	3,000'

**PURCHASE IN PACKAGED QUANTITIES ONLY**

## SPLIT LOOM Other Colors Available: RED add code - RD GREEN add code - GR YELLOW add code - YW

Molded in **Black Polyethylene** - *Split Design*

ITEM NUMBER	SIZE	A REF.	B REF.	C	STANDARD PACKAGING	Code POB Payout Box	Code MG Mini Gaylord	Code BULK Gaylord
22SL0250PE	1/4"	.266" 6.8mm	.395" 10.0mm	.120" 3.05mm	100 ft. roll	200'	4,000'	25,000'
22SL0375PE	3/8"	.419" 10.6mm	.535" 13.6mm	.128" 3.25mm	100 ft. roll	150'	2,000'	11,000'
22SL0500PE	1/2"	.505" 12.8mm	.670" 17.0mm	.143" 3.63mm	100 ft. roll	100'	1,500'	8,000'
22SL0625PE	5/8"	.650" 16.5mm	.825" 21.0mm	.145" 3.68mm	100 ft. roll	75'	1,000'	6,000'
22SL0750PE	3/4"	.761" 19.3mm	.927" 23.6mm	.144" 3.66mm	100 ft. roll	50'	750'	4,000'
22SL1000PE	1"	.909" 23.1mm	1.033" 26.2mm	.172" 4.37mm	100 ft. roll	40'	500'	3,000'

**PURCHASE IN PACKAGED QUANTITIES ONLY**



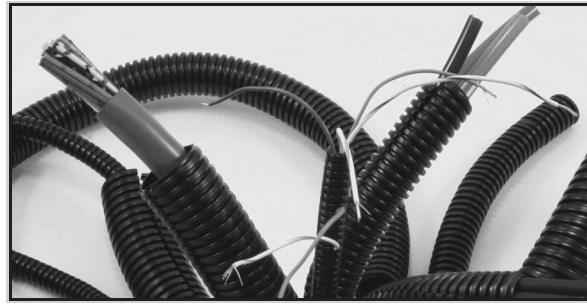
# WIRE HANDLING HARDWARE

SECTION  
VII

## SPLIT LOOM

### Material choices include;

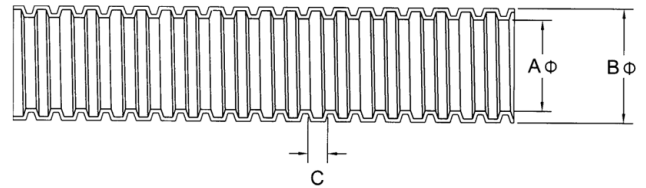
- Standard Polypropylene
- Flame Retardant Polypropylene
- Nylon 6
- Polyethylene



### Packaging options include;

- Small quantities of 40 to 200 feet can be packaged in Payout Boxes for ease in dispensing. **Code POB**
- Mini Gaylord boxes can accommodate loom in lengths of 500 to 4,000 feet. **Code MG**
- Bulk ordering in Gaylord boxes and depending on the size, can hold up to 25,000 feet. **Code BULK**

**EXAMPLE: 22SL0250**    1/4" Polyethylene    Red    Payout Box  
Size    Material Code    Custom Color Code    Custom Packaging Code  
**PE    RD    POB**



### Custom order options include;

- Grey and blue, product identification striping.
- Extruded as corrugate tubing, without the slit opening in the side, for bulk orders.

## SPLIT LOOM

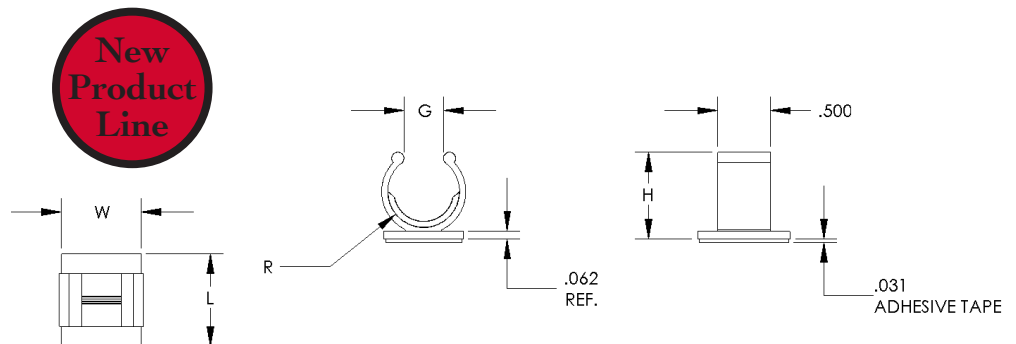
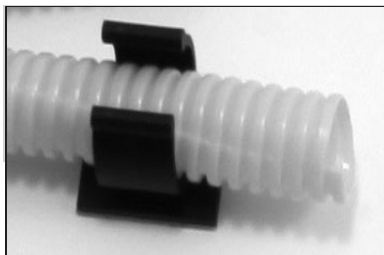
**Molded in Black Polypropylene FLAME RETARDANT - Split Design - ALL FR POLYPROPYLENE Split Loom has a BLUE stripe.**

ITEM NUMBER	SIZE	A REF.	B REF.	C	STANDARD PACKAGING	Code POB Payout Box	Code MG Mini Gaylord	Code BULK Gaylord
22SL0250FRPPBL	1/4"	.266" 6.8mm	.395" 10.0mm	.120" 3.05mm	100 ft. roll	200'	4,000'	20,700'
22SL0375FRPPBL	3/8"	.419" 10.6mm	.535" 13.6mm	.128" 3.25mm	100 ft. roll	150'	2,000'	10,000'
22SL0500FRPPBL	1/2"	.505" 12.8mm	.670" 17.0mm	.143" 3.63mm	100 ft. roll	100'	1,500'	7,500'
22SL0625FRPPBL	5/8"	.650" 16.5mm	.825" 21.0mm	.145" 3.68mm	100 ft. roll	75'	900'	5,000'
22SL0750FRPPBL	3/4"	.761" 19.3mm	.927" 23.6mm	.144" 3.66mm	100 ft. roll	50'	750'	3,500'
22SL1000FRPPBL	1"	.909" 23.1mm	1.033" 26.2mm	.172" 4.37mm	100 ft. roll	40'	500'	3,000'

**PURCHASE IN PACKAGED QUANTITIES ONLY**

## SPLIT LOOM CLIPS - Adhesive Base

**Molded in Black Nylon 6/6**



ITEM NUMBER	SIZE	R	G	W	L	H
22SL0250ADCLIP	1/4"	.400 (10,1)	.220 (5,58)	.750 (19,0)	.750 (19,0)	.512 (13,0)
22SL0375ADCLIP	3/8"	.540 (13,7)	.297 (7,54)	.750 (19,0)	.750 (19,0)	.666 (16,9)
22SL0500ADCLIP	1/2"	.680 (17,2)	.374 (9,49)	.750 (19,0)	.875 (22,2)	.819 (20,8)
22SL0625ADCLIP	5/8"	.840 (21,3)	.462 (11,7)	.750 (19,0)	.875 (22,2)	.995 (25,2)
22SL0750ADCLIP	3/4"	.940 (23,8)	.500 (12,7)	1.000 (25,4)	1.000 (25,4)	1.104 (28,0)
22SL1000ADCLIP	1"	1.140 (28,9)	.575 (14,6)	1.000 (25,4)	1.000 (25,4)	1.324 (33,6)

