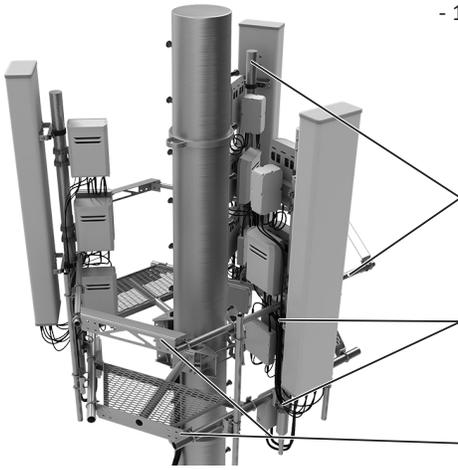


PIM-Guard® Applications

PIM-Guard Accessories, reduce the PIM where it matters most, the Hi-Risk PIM zone exists in close proximity to the antenna; in front, above, below, and even behind it. The zone is defined as:

- 10' (3M) directly above or below the antenna
- 5' (1.5M) behind the antenna
- 100' (30M) in front of the antenna



Mounting to Round Member for cable support
Material ID: PGP-series cable support brackets, SA-3C, SA-4C, SA-1C, UHA-3C, FBR-COIL-S

Supporting Fiber / Power / Coax cables
Material ID: SSH-411, SSH-1117, SSH-1724, SSH-2630, SSH-3642, SWH-200-10, SA-ISO, FBR-COIL-S

Mounting to Angle Iron for cable support
Material ID: UA-3C, SA-3C, SA-4C, UHA-3C, FBR-COIL-S

HELIAX® SnapTak® Adjustable Hangers (kits of 10)



Material ID:	Description:	Application:	Use with:	ANDREW Cable series:
SSH-411	Polymer Snap-in Adjustable Hangers	Support cables from 4.0mm to 11.0mm in diameter.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C	DFJ-2S123 FJ-1S,2S,3S,4S,6S,8S,12S DFJ-2S320 FHBDW-H2 FJ-4MM DFJ FJ-2SM, 4SM FJ-1SM FSJ1 PTS1 DFJ-12S RFFT ATCB-B01 (RET data cable)
SSH-1117	Polymer Snap-in Adjustable Hangers	Support cables from 11.0mm to 17.0mm in diameter.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C	PWRT-212-S LS2 PWRT-312-SC PWRT-208-LI PWRT-210-S FSJ4 HL4 AL4 LDF4 PWRT-208-S
SSH-1724	Polymer Snap-in Adjustable Hangers	Support cables from 17.0mm to 24.0mm in diameter.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C	HFA206-1 to 6S HFT410-1 to 4S PWRT-608-S PWRT-606-S
SSH-2630	Polymer Snap-in Adjustable Hangers	Support cables from 26.0mm to 30.0mm in diameter.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C	HFT206-8S PWRT-604-S AVA5
SSH-3642	Polymer Snap-in Adjustable Hangers	Support cables from 36.0mm to 42.0mm in diameter.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C	HFT1206 AVA6



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HELIAX® SnapWrap Adjustable Hanger (kits of 10)



Material ID:	Description:	Application:	Use with:
SWH-200-10	Polymer Snap-in Adjustable Wrap Hanger	Bundle multiple cable types and sizes into a 1/2" (12.7mm) to 2" (50.8mm) bundle.	3/4" stamped holes, PGP-series cable support brackets, UA-3C, SA-3C, SA-4C, SA-1TR, SA-1C, UHA-3C



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Cable Support Brackets



Material ID:	Description:	Application:	Use with:
PGP-CS04 , PGP-CS08 , PGP-CS10 , PGP-CS12 , PGP-CS16 , PGP-CS16L , PGP-CS18 , PGP-CS20-R , PGP-CS34L , PGP-CS38-R	Polymer 4 to 38 position cable support brackets	Antenna and RRU cable support brackets accommodate 8 to 76 cables. Up to 2 stackable hangers per position. Two 3/8" holes for threaded hardware.	All SnapTak and SnapStak hangers, SWH-200-10, CLICK Hanger Blocks

[Installation Bulletin:](#)



HELIX® Angle Adapter (kits of 10)



Material ID:	Description:	Application:	Use with:
UA-3C	Polymer two hole angle adapter	Angle member attachment. Includes torque stop set bolt to ensure proper attachment force. Two 3/4" holes for Snap-in style hangers.	All SnapTak hangers, SWH-200-10

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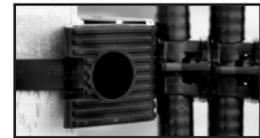


HELIX® Standoff Adapters (kits of 10)



Material ID:	Description:	Application:	Use with:
SA-3C	Polymer three hole standoff adapter	Two sets of slots for round member attachment. 3/8" holes for bolt down attachment. Three 3/4" holes for Snap-in style hangers.	All SnapTak hangers, SWH-200-10

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Material ID:	Description:	Application:	Use with:
SA-4C	Polymer three hole standoff adapter	Two sets of slots for round member attachment. 3/8" holes for bolt down attachment. Four 3/4" holes for Snap-in style hangers.	All SnapTak hangers, SWH-200-10

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Material ID:	Description:	Application:	Use with:
SA-1TR	Polymer multi-function one hole standoff adapter	Threads into 3/8" & 1/2" bolts & U-bolts or snaps into 3/4" holes. One 3/4" hole for Snap-in style hangers.	All SnapTak hangers, SWH-200-10, 3/8" & 1/2" bolts

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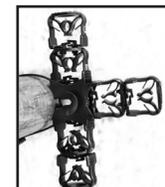
Material ID:	Description:	Application:	Use with:
SA-1C	Polymer one hole standoff adapter	Round member attachment. One 3/4" hole for Snap-in style hangers.	All SnapTak hangers, SWH-200-10

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Material ID:	Description:	Application:	Use with:
UHA-3C	Polymer universal three hole standoff adapter	Round member or angle member attachment. Three 3/4" holes for snap-in hangers, or locations to mount three grommets or has a 3/8" holes for threaded rod attachment.	All SnapTak hangers, MCLICK hangers, cable grommets, SWH-200-10

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HELIX® SnapStak Isolator (kits of 10)

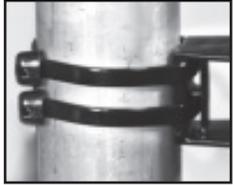


Material ID:	Description:	Application:	Use with:
SA-ISO	Polymer one hole isolator for Snap-in Adjustable Hangers	Snaps in between hanger and mounting surface, and between stacked hangers to remove metal to metal contact.	3/4" stamped holes, all SnapStak® hangers

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Banding

	Material ID: CB-12-16LH CB-12-18LH CB-12-27LH	Description: Heat-stabilized weather resistant acetal cable banding, 1/2 in x 16 in, 18 in and 27 in length with attached locking head, 50, 100, 25 pcs	Application: Round member or angle member attachment for polymer angle adapters and standoffs	Use with: SA-3C, SA-4C, SA-1C, UHA-3C	
	Material ID: CB-12-50	Description: Cable Banding, Bulk, 1/2 in x 50 ft Reel	Application: Round member or angle member attachment for polymer angle adapters, standoffs and excess cable management coilers	Use with: All Standoff adapters and FBR-COIL-S	
	Material ID: CB-LH-25	Description: Locking Heads for Cable Banding CB-12-50, 25 pcs	Application: Installation of CB-12-50 cable banding	Use with: CB-12-50	
	Material ID: CB-IT	Description: Installation Tool for cable banding CB-12-50 and locking heads CB-LH-25	Application: Installation and trim cutting of cable banding CB-12-50	Use with: CB-12-50 and CB-LH-25	

Excess Cable Management

	Material ID: FBR-COIL-S	Description: Engineered plastic fiber coiling reel	Application: Round member or angle member attachment. Accommodates 16' (5M) of excess 7mm fiber.	Use with: 5-7mm fiber cables	
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