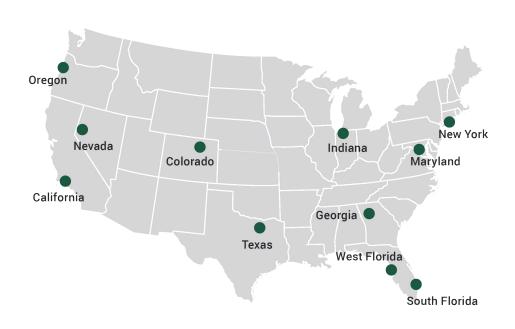




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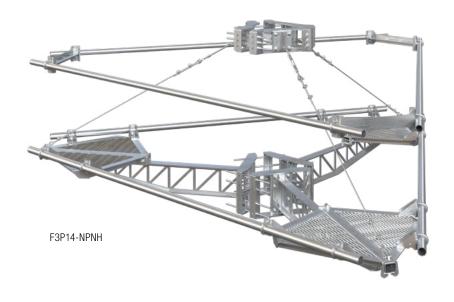
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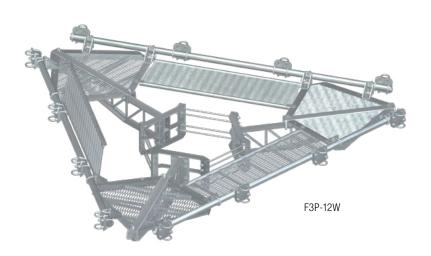
3-Sided Fortress™ Platforms



- $\bullet \ \, \text{All designs feature our Fortress}^{\text{\tiny{TM}}} \, \text{mount the strongest single level platform on the market}$
- Upper support rail included with each assembly
- Additional ring mount reinforcement included with 14' platform (Available upon request for other sizes with CRK-DC3)
- Mounting pipes and crossovers ordered separately
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55980	F3P10-NPNH	M1500R(1300)-4[6]	10' Fortress 3-Sided Platform (No Pipe/Hardware)	Order Separately	1,778 lb
ANT.56007	F3P12-NPNH	M1500R(1300)-4[6]	12' Fortress 3-Sided Platform (No Pipe/Hardware)	Order Separately	1,889 lb
ANT.56011	F3P14-NPNH	M1500R(1300)-4[6]	14' Fortress 3-Sided Platform with Cable Reinforcement (No Pipe/Hardware)	Order Separately	3,889 lb
ANT.56449	SCX3-FR-K		Crossover for 2-3/8" or 2-7/8" Mounting pipes (Two per Pipe)		17 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb

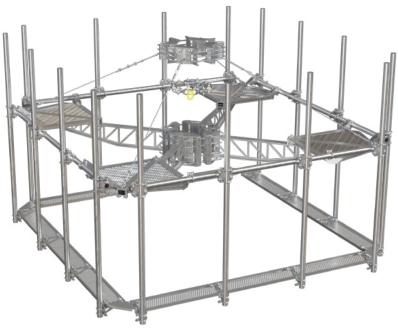
Fortress™ Full Walkways and Support Rails



- Features our Fortress $^{\text{TM}}$ mount the strongest single level platform on the market
- Upper Support Rail available separately
- Mounting pipes ordered separately
- Includes 12 crossover kits for mounting pipes
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.56698	F3P-12W	M1550R(1100)-4[6]	12' Fortress 3-Sided Platform with Full Walkway	Order Separately	2,123 lb
CEQ.53336	F3P-HRK10		Support Rail Kit for 10' Fortress 3-Sided Platform	Order Separately	391 lb
CEQ.53318	F3P-HRK12		Support Rail Kit for 12' Fortress 3-Sided Platform	Order Separately	406 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb

12' 4-Sided Fortress™ Platform



F4P-12-H10

- • Utilizes our Fortress $^{\text{m}}$ mount - the strongest single level platform on the market
- Full walkway provided below the mount
- Monopole mounting range: 12" 60"
- Includes 2-7/8" antenna mounting pipes
- Includes Halo™ mount
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.46149	F4P-12-H10	M1550R(1350)-4[0]	12' 4-Sided Platform with Hanging Walkway	(12) 2-7/8" x 120" SCH 40	4,210 lb
CEQ.53327	F4P-HRK12		Support Rail Kit for 12' Fortress 4-Sided Platform		508 lb

14' 3-Sided Platforms (Heavy-10)



RMQLP-4120-H10

Description

RMQLP-4120-H10

- 14' 3-Sided platform with cable reinforcement kit
- Monopole mounting range: 12" 45"
- Includes Halo™ mount
- Includes 2-7/8" antenna mounting pipes
- Contact us for detailed loading and engineering information

RMQLP-4126-HK

- Heavy-duty design to safely support multiple RRU's plus 12 antennas
- · Second ring mount below adds additional support
- Integral handrails provide added strength and easy antenna and RRU mounting as well as worker safety
- Includes 2-7/8" antenna mounting pipes
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Mount Rating	Description	Antenna Pipe (QTY) & Size	Weight
ANT.44987	RMQLP-4120-H10	M1309R(1325)-4[0]	14' 3-Sided Platform Frame	(12) 2-7/8" x 120" SCH 40	3,250 lb
ANT.55229	RMQLP-4126-HK	M2050R(2500)-4[6]	14' 3-Sided Platform Frame with Reinforcement Kickers	(12) 2-7/8" x 126 SCH 40	2,736 lb

RMQLP-4126-HK

CAGE™ Platforms

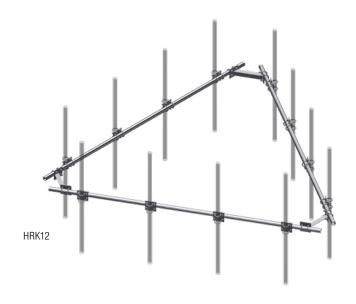


- Dual level reinforced platform
- Monopole mounting range: 12" 45"
- Specify RM-ADK for monopoles 45" 60"
- · Mounting pipes and crossovers ordered separately
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55989	SNP10-NPNH	M1500R(1300)-4[6]	10' - 6" Snub Nose Platform with Reinforced Support Rail (No Pipe/Hardware)	Order Separately	2,528 lb
ANT.55964	CAGE-NPNH	M1300R(1300)-4[6]	12' - 6" Low Profile Platform with Reinforced Support Rail (No Pipe/Hardware)	Order Separately	2,150 lb
ANT.55973	CAGELP-NPNH	M1300R(1300)-4[6]	14 - 6" Low Profile Platform with Reinforced Support Rail (No Pipe/Hardware)	Order Separately	2,346 lb
CEQ.53317	SCX2-K		Crossover Kits for 2-3/8" OD Mounting Pipes (Two per pipe)	2-3/8"	9 lb
ANT.55975	SCX23-K		Crossover Kits for 2-7/8" OD Mounting Pipes (Two per pipe)	2-7/8"	9 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb
ANT.55979	RM-ADK		Large Pole Adapter (Two needed for 45" to 60" Monopoles)		106 lb

AT&T Approved Support Rail Kits

Universal Platform Handrail Kits



- Use to add handrails and antenna pipe support to existing platforms
- Universal design works for a wide variety of platforms
- Order antenna mounting pipes separately



CEQ#	OEM P/N	Face Width	Support Rail Pipe Size	Antenna Mounting Pipe Size	Corner Brace	Weight
ANT.51653	HRK12	12'-6"	2-3/8" OD x 150" SCH 40	2-3/8"	No	273 lb
ANT.51648	HRK12-U	12'-6"	2-3/8" OD x 150" SCH 40	2-3/8" or 2-7/8"	No	302 lb
ANT.51651	HRK12-HD	12'-6"	2-3/8" OD x 150" SCH 40	2-3/8" or 2-7/8"	Yes	407 lb
ANT.51649	HRK12-3HD	12'-6"	2-7/8" OD x 150" SCH 40	2-3/8" or 2-7/8"	Yes	503 lb
ANT.51647	HRK14	14'-6"	2-3/8" OD x 174" SCH 40	2-3/8"	No	303 lb
ANT.51654	HRK14-U	14'-6"	2-3/8" OD x 174" SCH 40	2-3/8" or 2-7/8"	No	332 lb
ANT.51656	HRK14-HD	14'-6"	2-3/8" OD x 174" SCH 40	2-3/8" or 2-7/8"	Yes	449 lb
ANT.51657	HRK14-3HD	14'-6"	2-7/8" OD x 174" SCH 40	2-3/8" or 2-7/8"	Yes	525 lb

AT&T Approved T-Arms

Dual Level T-Arms



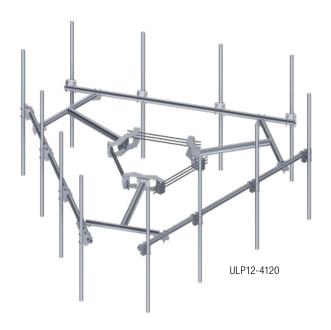
RMVD12-NPNH

- Dual level ring mount for high strength applications
- Tie-backs between adjacent sectors add additional reinforcement
- Attaches to monopoles from 12" 45"
- Specify RM-ADK monopoles from 45" 60"
- Mounting pipes and crossovers ordered separately
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55987	RMVD10-NPNH	M1300R(1300)-4[6]	10' Dual Level T-Arm (No Pipe/Hardware)	Order Separately	1,807 lb
ANT.55970	RMVD12-NPNH	M1300R(1300)-4[6]	12' Dual Level T-Arm (No Pipe/Hardware)	Order Separately	1,897 lb
ANT.55974	SP219		3-1/2" - 2-3/8" Crossover (Two per pipe)	2-3/8"	13 lb
ANT.55968	SP219-H		3-1/2" - 2-7/8" Crossover (Two per pipe)	2-7/8"	13 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb
ANT.55979	RM-ADK		Large Pole Adapter (Two needed for 45" - 60" Monopoles)		106 lb

AT&T Approved T-Arms

Reinforced T-Arm Assemblies



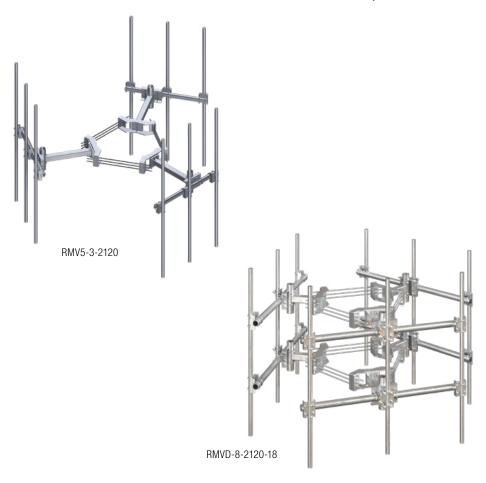
- All round members for reduced EPA
- Light weight, 5' T-shaped frame
- Monopole mounting range: 12" 45"
- Specify RM-ADK for monopoles from 45" 60"
- Includes 2-3/8" antenna mounting pipes
- Contact us for detailed loading and engineering information



CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.16966	ULP12-4120	M1600R(1300)-4[6]	12' Ultra Low Profile 3-Sided T-Arm Mount	(12) 2-3/8" x 120" SCH 40	1,521 lb
CEQ.53322	ULPD14-H10-2120	M1600R(1300)-4[6]	14' Dual Level Ultra Low Profile Rigid T-Arm	(12) 2-3/8" x 120" SCH 40	2,530 lb
ANT.55979	RM-ADK		Large Pole Adapter		106 lb

AT&T Approved T-Arm Mounts

Short T-Arms for Concealment Purposes



Description

RMV5

- Light weight, 5' T-shaped frame
- Monopole mounting range: 12" 45"
- Specify RM-ADK for monopoles from 45" 60"
- Includes 2-3/8" antenna mounting pipes
- · Contact us for detailed loading and engineering information

RMVD8

- 8' Double T-arm kit
- Monopole mounting range: 12" 45"
- Specify RM-ADK for monopoles from 45" 60"
- Includes 2-3/8" antenna mounting pipes
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.54511	RMVD8-296-18	M1800R(2000)-3[6]	8' 3-Sided T-Arm Mount with 18" Standoff	(9) 2-3/8" x 96" SCH 40	1,881 lb
ANT.545.12	RMVD8-2120-18	M1800R(2000)-3[6]	8' 3-Sided T-Arm Mount with 18" Standoff	(9) 2-3/8" x 120" SCH 40	1,937 lb
ANT.55979	RM-ADK		Large Pole Adapter (Two needed for 45" - 60" Monopoles)		106 lb

AT&T Approved Sector Frames for Monopoles

Bare Frame Version Provided without Tower Attachment









- Bare sector frame version for monopole or tower applications
- BCAM™ can be purchased separately if needed for tower applications
- MDFCC can be purchased separately if needed for monopole applications
- Mounting pipes and crossovers ordered separately
- Features our Quick-Plate[™] for easy grounding and addition of RRU mounting pipes or Unistrut
- · Round-member face offers lower wind resistance
- · Frames rotate for easy azimuth adjustment
- Monopole mounting range: 12" 45"
- Specify RM-ADK for monopoles from 45" 60"
- · Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55994	VFA10-HDS-BF	M1300R(2000)-4[6]	10' Sector Frame with Single Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	403 lb
ANT.56012	VFA10-HD-BF	M1500R(2000)-4[6]	10' Sector Frame with Dual Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	490 lb
ANT.55966	VFA12-HDS-BF	M1300R(2000)-4[6]	12' Sector Frame with Single Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	438 lb
ANT.55991	VFA12-HD-BF	M1500R(2000)-4[6]	12' Sector Frame with Dual Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	515 lb
ANT.55988	VFA14-HD-BF	M1300R(2000)-4[6]	14' Sector Frame with Dual Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	535 lb
ANT.55972	VFA14-HD80-BF	M1500R(2000)-4[6]	14' SCH 80 Sector Frame with Dual Tie-Back (No Pipe/Hardware/Monopole Bracket)	Order Separately	600 lb
ANT.55986	MDFCC		Monopole Direct Attachment Kit, Three Sector Frames		634 lb
CEQ.53317	SCX2-K		Crossover kits for 2-3/8" OD Mounting Pipes (Two per Pipe)		9 lb
ANT.55975	SCX23-K		Crossover kits for 2-7/8" OD Mounting Pipes (Two per Pipe)		9 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb
ANT.55979	RM-ADK		Large Pole Adapter (Two needed for 45" - 60" Monopoles)		106 lb

AT&T Approved Sector Frame with Additional Standoff

14' Sector Frame with 5' Standoff



- · Increased 5' standoff to reduce PIM
- 14'-5" face width allows for horizontal clearance
- Attaches to round legs from 1-1/2" 9-1/2" and angle legs from 3" 6" (See BCAM-HDLL and BCAM-HDLL-AA on page 15 for more information)
- · Mounting pipes and crossovers ordered separately
- Contact us for detailed loading and engineering information



CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55971	VOG14-NPNH	M1500R(1100)-5[6]	14' Sector Frame with 5' Standoff, Dual Tie-Backs (No Pipe/Hardware)	Order Separately	915 lb
CEQ.53317	SCX2-K		Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	2-3/8"	9 lb
ANT.55975	SCX23-K		Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	2-7/8"	9 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb
ANT.55965	MSFAA		Monopole Sector Frame Attachment for Tower Sector Frames		789 lb

AT&T Approved Sector Frames

Sector Frames for Towers and Monopoles





- Guyed and SST applications feature our BCAM™ Taper Adjustment System
- Features our Quick-Plate[™] for easy grounding and addition of RRU mounting pipes or Unistrut
- Round-member face offers lower wind resistance
- · Frames rotate for easy azimuth adjustment
- Guyed and SST mounting range: 1-1/2" 9-1/2" round legs and 3" 6" angles
- Compatible with BCAM-HDLL and BCAM-HDLL-AA (See BCAM-HDLL and BCAM-HDLL-AA on page 15 for more information on large round and angle adapters)
- Monopole mounting range: 12" 45"
- · Mounting pipes and crossovers ordered separately
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Classification	Description	Antenna Pipe (QTY) & Size	Weight
ANT.55969	VFA10-HDS-NPNH	M1300R(2000)-4[6]	10' Sector Frame with Single Tie-Back (No Pipe/Hardware)	Order Separately	551 lb
ANT.55984	VFA10-HD-NPNH	M1500R(2000)-4[6]	10' Sector Frame with Dual Tie-Back (No Pipe/Hardware)	Order Separately	637 lb
ANT.55981	VFA12-HDS-NPNH	M1300R(2000)-4[6]	12' Sector Frame with Single Tie-Back (No Pipe/Hardware)	Order Separately	575 lb
ANT.55995	VFA12-HD-NPNH	M1500R(2000)-4[6]	12' Sector Frame with Dual Tie-Back (No Pipe/Hardware)	Order Separately	662 lb
ANT.56004	VFA14-HD-NPNH	M1300R(2000)-4[6]	14' Sector Frame with Dual Tie-Back (No Pipe/Hardware)	Order Separately	679 lb
ANT.56002	VFA14-HD80-NPNH	M1500R(2000)-4[6]	14' SCH 80 Sector Frame with Dual Tie-Back (No Pipe/Hardware)	Order Separately	747 lb
CEQ.53317	SCX2-K		Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	2-3/8"	9 lb
ANT.55975	SCX23-K		Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	2-7/8"	9 lb
ANT.55983	P296		2-3/8" x 96" SCH 40 Mounting Pipe		30 lb
ANT.55993	P2120		2-3/8" x 120" SCH 40 Mounting Pipe		37 lb
ANT.55985	P3096		2-7/8" x 96" SCH 40 Mounting Pipe		47 lb
ANT.16008	P30120		2-7/8" x 120" SCH 40 Mounting Pipe		58 lb
ANT.55965	MSFAA		Monopole Sector Frame Attachment for Tower Sector Frames		789 lb

AT&T Approved Sector Frames

Heavy 10 and Heavy WLL Large Leg Adapters







Description

BCAM-HDLL

- · Attaches up to 16" round legs
- Attaches to #12 truss leg (12" center to center)

BCAM-HDLL-AA

- Attaches to 7" 12" 90° angle legs
- Attaches to #12 truss leg (12" center to center)

BCAM-HD

- Easily adjust the taper of a fully loaded frame while mounted to the tower with a battery operated impact gun by tightening or loosening one nut
- Attaches to round members from 1-1/2" 9-1/2" and from 3" 6" angle members
- Infinitely adjustable from -2.5 6°
- To be used with VFA-BF that are provided without mounting bracket



BCAM-HD

CEQ#	OEM P/N	Description	Weight
ANT.54763	BCAM-HDLL	Large-Leg Adapter Kit, up to 16" Round Legs or #12 Truss Legs	130 lb
ANT.54760	BCAM-HDLL-AA	Large-Leg Adapter Kit, 7" - 12" 90° Angle Legs or #12 Truss Legs	131 lb
Pending	BCAM-HD	Heavy-Duty Tower Connection for Sector Frames	145 lb

AT&T Approved Pipe Mounts

R6 Heavy-Duty Universal Pipe Mount Kit



- Heavy-duty sliding brackets for difficult tower attachments
- Includes 4-1/2" x 72" antenna mounting pipe
- Easy-adjustment taper up to 5.7° (based on 30" spacing of brackets)
- Fits round leg sizes 1-1/2" 9-1/2" diameter and angle sizes 3" 6"
- With BCAM-HDLL fits up to 16" round legs or #12 truss legs
- With BCAM-HDLL-AA fits up to 12" 90° angle legs or #12 truss legs
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Description	Pipe size	Weight
ANT.54762	R6	Heavy-Duty Universal Pipe Mount Kit	4-1/2" x 72" SCH 40	265 lb
ANT.54763	BCAM-HDLL	Large-Leg Adapter Kit, up to 16" Round Legs or #12 Truss Legs		130 lb
ANT.54760	BCAM-HDLL-AA	Large-Leg Adapter Kit, 7" - 12" 90° Angle Legs or #12 Truss Legs		131 lb

AT&T Approved PIM Reducing Rooftop Mount

Non-Penetrating Rooftop Frame with RRU Mount



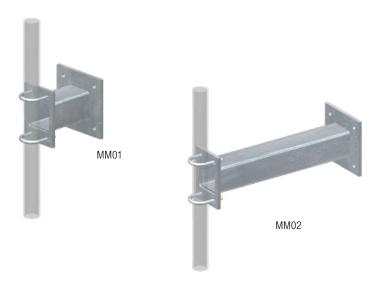
RTP12-3RRU

- · Similar to the non-penetrating rooftop pipe frames, but include a rear RRU mounting frame
- Standard kits include four 2-3/8" x 174" antenna mounting pipes
- If using other size antenna mounting pipes, purchase SCX7-U universal crossover plate kits
- Welded trays for easy assembly
- · Purchase rubber mats separately
- Includes 2-3/8" antenna mounting pipes
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Face Width	Mounting Pipes	Footprint	Mats Required	Description	Weight
CEQ.53343	RTP10-3RRU	10'-6"	(4) 2-3/8" x 174" SCH 40	92" x 126"	6	10' Non-Penetrating Rooftop Sled Frame with Back PIM RRU Rack	1,050 lb
CEQ.47545	RTP12-3RRU	12'-6"	(4) 2-3/8" x 174" SCH 40	92" x 150"	8	12' Non-Penetrating Rooftop Frame with RRU Mount	1,150 lb
CEQ.53333	RTP14-3RRU	14'-6"	(4) 2-3/8" x 174" SCH 40	92" x 174"	12	14' Non-Penetrating Rooftop Sled Frame with Back PIM RRU Rack	1,376 lb

AT&T Approved Wall Mounts and Standoff Mounts

Standoff Arm Kits for Single Antenna



- · Versatile 8", 24", or 36" standoff arms
- Accept 2-3/8", 2-7/8", or 3-1/2" pipes vertically or horizontally
- Fit our standard or lightweight ring mounts
- Include attachment hardware
- Mounting plate is 1/2" thick by 8-1/2" square with four 11/16" holes on 6" centers
- Standoff is 4" x 3/16" square tube
- · Mounting pipes ordered separately
- Contact us for detailed loading and engineering information



These arms can also be used to support a horizontal pipe for attachment of multiple antenna pipes

CEQ#	OEM P/N	Description	Weight
ANT.55231	MM01	8" Support Arm	37 lb
ANT.55230	MM02	24" Support Arm	51 lb
ANT.55232	MM03	36" Support Arm	62 lb
MIC.11440	LWRM	High Capacity 3-Sector Ring Mount	265 lb

AT&T Square Chimney Mount Kits

Square Chimney Mount Kits



- Standard kits fit chimneys with face dimensions from 3' 8"
- Kits include corner brackets with 4-1/2" diameter by 48" mounting pipes and threaded rod tensioning system

CEQ#	OEM P/N	Chimney Face	Description	Weight
ANT.56476	SCM34	3' - 4'	Square Chimney Mount	470 lb
ANT.56475	SCM48	4' - 8'	Square Chimney Mount	545 lb

Tower Mount Reinforcements



- Universal design provides extra capacity to existing sector frames for mounting RRU's
- Provides vertical and/or horizontal reinforcement (See table for capacity information)
- Universal mounting; round legs from 1" 8", 60° angle legs from 1-1/2" 8", and 90° angle legs from 1-1/2" 6", large-leg adapter kit available for round legs up to 12-3/4", 60° angle legs up to 12", and 90° angles up to 8-1/2"
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Sectors	Description	Load Increase Per Sector (Normal/Tangential/Dead) lb	Weight
ANT.16456	SFR-K	1	24" - 36" Frame Standoff Reinforcement	1200 / 400 / 1500	132 lb
ANT.16821	SFR-K-3	3	24" - 36" Frame Standoff Reinforcement	1200 / 400 / 1500	396 lb
ANT.16458	SFR-K-L	1	36" - 48" Frame Standoff Reinforcement	1200 / 400 / 1500	154 lb
ANT.16822	SFR-K-L- 3	3	36" - 48" Frame Standoff Reinforcement	1200 / 400 / 1500	462 lb
ANT.16460	SFS-H	1	24" - 36" Horizontal Sector Frame Stabilizer	1050 / 300 / 0	66 lb
ANT.16461	SFS-V	1	24" - 36" Vertical Sector Frame Stabilizer	0 / 300 / 1500	66 lb
CEQ.53324	SFS-H-L	1	36" - 48" Horizontal Sector Frame Stabilizer	1050 / 300 / 0	77 lb
CEQ.53329	SFS-V-L	1	36" - 48" Vertical Sector Frame Stabilizer	0 / 300 / 1500	77 lb
ANT.16459	TAM-LL		Large Leg Kit 12-3/4" OD & 8-1/2" Angle Legs		45 lb

Sector Frame Reinforcements

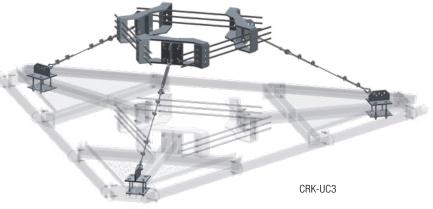


- Provides additional support to existing sector frames
- Pipe bracing for reduced wind area
- Fits 2-3/8" to 2-7/8" OD crossarms
- Universal mounting; round legs from 1" 8", 60° angle legs from 1-1/2" to 8", and 90° angles 1-1/2" 6"
- Large-leg adapter kit available for round legs up to 12-3/4", 60° angle legs up to 12", and 90° angles up to 8-1/2"
- Contact us for detailed loading and engineering information

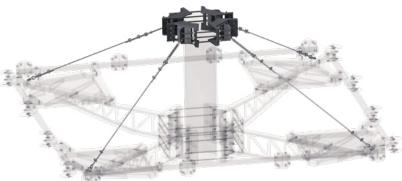


CEQ#	OEM P/N	Description	Load Increase Per Sector (Normal/Tangential/Dead) lb	Weight
CEQ.53331	VSK-TH	Pipe Sector Frame Horizontal Reinforcement	1050/300/0	99 lb
CEQ.53319	VSK-TH-L	Long Pipe Sector Frame Horizontal Reinforcement	1050/300/0	119 lb
CEQ.53321	VSK-TV	Pipe Sector Frame Vertical Reinforcement	0/300/1500	99 lb
CEQ.53328	VSK-TV-L	Long Pipe Sector Frame Vertical Reinforcement	0/300/1500	119 lb
CEQ.53338	VSK-SFR	Pipe Sector Frame Horizontal and Vertical Reinforcement	1200/400/1500	197 lb
CEQ.53339	VSK-SFR-L	Long Pipe Sector Frame Horizontal and Vertical Reinforcement	1200/400/1500	237 lb
ANT.16459	TAM-LL	Large Leg Kit 12-3/4" OD & 8-1/2" Angle Legs		45 lb

Cable Platform Reinforcement Kits



- Cable reinforcement kits provide additional capacity for Fortress™ or other monopole platforms
- Extremely low EPA
- Clamp ring mounts a minimum of 48" above the platform
- 5/16" galvanized aircraft cable
- Universal kit attaching hardware ts up to 4" square tube or round support arms
- Attach to the platform with 5/16" shackles
- CRK-DC3 and CRK-UC3 tround or polygon poles from 12" 45" diameter or up to 60" with the addition of the RM-ADK large pole adapter kit
- CRK-DC4 and CRK-UC4 tround or polygon poles from 12" 60" diameter



CRK-DC4

CEQ#	OEM P/N	Platform Style	Description	Pole Diameter	Horizontal Connection	Weight
ANT.46145	CRK-DC3	Fortress F3P	F3P Heavy WLL to Reinforced WLL	12" - 45"	4" x 4" Max	349 lb
ANT.46135	CRK-DC4	Fortress F4P	F4P Heavy 10 Reinforcement	12" - 60"	4" x 4" Max	409 lb
ANT.51652	CRK-UC3	Universal	Universal Cable Reinforcement Kit for 3-Sector Platforms or T-Arms, Attaches up to 4" Round or Square Members	12" - 45"	4" x 4" Max	415 lb
ANT.51658	CRK-UC4	Universal	Universal Cable Reinforcement Kit for 4-Sector Platforms or T-Arms, Attaches up to 4" Round or Square Members	12" - 60"	4" x 4" Max	497 lb

Monopole Mount Platform and T-Arm Reinforcements



- Easy bolt-on reinforcement kits include ring mount and support arms to reinforce existing platforms or t-arms when increased dead load is required (multiple RRU's)
- Fits round or polygon poles from 12" 45" diameter, or up to 60" with the addition of the RM-ADK large pole adapter kit
- The maximum additional vertical load capacity gained is 4,000 lb per sector arm (12,000 lb total)
- PRK-1245, PRK-1245L, and PRK-NA hardware kits tup to 4" round or square tube standoff arms
- PRK-1245LW hardware kit fits up to 6" round or square tube standoff arms
- PRK-HD hardware kit fits up to 5" round or square tube standoff arms
- · Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Description	Load Increase lb (Dead)	Weight
ANT.16462	PRK-1245	12' Platform Reinforcement (3-Sided)	4000 per sector	470 lb
ANT.16463	PRK-1245L	14' Platform Reinforcement (3-Sided)	4000 per sector	518 lb
ANT.16464	PRK-NA	Reinforcement Hardware Kit (Angle Sold Separately)		381 lb
ANT.16465	PQ-1245	12' Platform Reinforcement (4-Sided)	3000 per sector	605 lb
ANT.16466	PQ-1245L	14' Platform Reinforcement (4-Sided)	3000 per sector	677 lb
ANT.55979	RM-ADK	Large Pole Adapter (Two Needed for 45" - 60" Monopoles)		106 lb

Tower Platform and T-Arm Reinforcements



- · Universal design provides extra capacity to tower platforms or standoff arms
- Provides vertical reinforcement only
- Fits round legs 1-1/2" 4-1/2" OD, 60° angle legs from 1-1/2" 4-1/2", and 90° angle legs from 1-1/2" - 3"
- Fits round or square tube standoff arms 1-1/2" 5"
- Uses (3) PRK-FMA1 for tower platform reinforcement

CEQ#	OEM P/N	Description	Sectors	Horizontal Connection	Angle Size	Weight
ANT.54744	PRK-FMA1	Single-Arm Standoff Reinforcement Kit	1	5" x 5" Max	2L 2-1/2" x 2-1/2" x 3/16" x 84"	110 lb

Monopole Support Rail and T-Arm Reinforcement Kits



Description

HSRK-35

- Provide extra rigidity for existing platform handrails
- Angle size L 3" x 3" x 1/4" x 96"
- · Bracing attaches to platform standoff arms
- HSRK-35 hardware fits up to 5" round or square tube standoff arms
- Handrail attachment hardware ts pipe handrails up to 3-1/2" OD
- · Kit installation requires eld cutting and drilling

PRK-SFS and PRK-SFS-L

- · Reinforcement kit for handrail
- Angle size L 2-1/2" x 2-1/2" x 3/16" x 52-1/2"
- · Provides extra rigidity
- For new or existing platform support rails and t-arms
- Reinforcement kits can be installed to support t-arms and platform support rails from above or below
- PRK-SFS and PRK-SFS-L fit round or polygon poles from 12" 45" diameter or up to 60" diameter with the addition of the RM-ADK large pole adapter kit
- T-arm and support rail connection hardware ts round members 1" 3-1/2" OD

CEQ#	OEM P/N	Description	Weight
ANT.51655	HSRK-35	Support Rail Bracing Kit	142 lb
ANT.16817	PRK-SFS	T-Arm and Support Rail Reinforcement Kit	575 lb
ANT.16818	PRK-SFS-L	Long Angle T-Arm and Support Rail Reinforcement Kit	645 lb



AT&T Approved Sector Frames

10' and 12' Tie-Backs



SPTB

Description

SPTB/SPTB278

- Universal sector frame attachment hardware ts 1-1/2" 5" OD
- Leg bracket ts round legs from 1-1/2" 8-5/8" OD, 60° angle legs up to 8", and 90° angle legs up to 6"

STK-U

- Universal sector frame attachment hardware ts 2-3/8" pipe
- Leg bracket ts round legs from 1" 6" OD, 60° angle legs up to 6", and 90° angle legs up to 4"



CEQ#	OEM P/N	Description	Pipe Size	Length	Weight
ANT.51650	SPTB	Sliding Pipe Tie-Back Assembly, 2-3/8" SCH 40 x 126"	2-3/8" x 10'-6"	126"	89 lb
ANT.55962	SPTB278	Sliding Pipe Tie-Back Assembly, 2-7/8" SCH 40 x 126"	2-7/8" x 10'-6"	126"	113 lb
ANT.54754	STK-U	Universal Sector Frame Stiff Arm Kit, 2-3/8" SCH 40 x 150"	2-3/8" x 12'-6"	150"	65 lb

AT&T Approved Tower Mounts

Stand-Off Frames



CEQ#	OEM P/N	Standoff	Weight
ANT.55114	USF-2U	24"	129 lb
ANT.55118	USF-3U	36"	146 lb
ANT.55116	USF-4U	45"	165 lb

- Stand-off frames with 3-1/2" OD x 56-1/2" vertical mast
- Easily adjust for taper up to 6° in 3/4° increments
- Universal mounting; round legs from 1" 8", 60° angle legs from 1-1/2" 8", and 90° angles 1-1/2" 6"
- Contact us for detailed loading and engineering information

AT&T Approved Tower Mounts

Panel Antenna Stand-Off Mounts



- Versatile mounts works on towers, monopoles, and buildings
- One-piece welded design
- Constructed from 2-3/8" OD schedule 40 pipe
- Hot-dip galvanized
- Purchase mounting hardware separately

CEQ#	OEM P/N	Stand-Off	Antenna Pipe	Mounting Pipe	Weight
ANT.55115	PM1	1'	120"	48"	60 lb
ANT.55117	PM2	2'	120"	48"	68 lb

AT&T Approved Pipe Mounts

Universal Face Pipe Mount Assemblies





FACE-PM

- Universal mounts designed for the most dif cult face mount applications
- Easily adjustable taper up to 8° (based on 60" spacing of brackets)
- Attach to 1-1/2" 9-1/2" round members or 3" 6" angles
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Sectors	Face Pipes	Weight
ANT.54768	FACE-ASY1-30126	One	(2) 2-7/8" x 10'-6" SCH 40	660 lb
ANT.54745	FACE-ASY1-3126	One	(2) 3-1/2" x 10'-6" SCH 40	690 lb
ANT.54765	FACE-ASY1-4126	One	(2) 4-1/2" x 10'-6" SCH 40	755 lb
ANT.54747	FACE-PM	Double Pipe to	Pipe Crossover Kit, 1-1/2" - 4-1/2" Crossovers	52 lb

AT&T Approved RRU Mounts to Reduce PIM

Monopole RRU Mounts



UGLM-DCP



- Reduce PIM by increasing separation between radios and antennas
- Designed to stay as close as possible to the monopole for reduced wind area
- Mounting pipes are ordered separately
- Contact us for detailed loading and engineering information

CEQ#	OEM P/N	Monopole Size Range	Description	Mounting Pipes	Weight (Without Pipes)
			Cross	sover Connections	
ANT.46630	UGLM-DCP	10-1/2" - 28'	Mount up to 6 RRUs	Accepts 1-1/2" - 4-1/2" SCH 40 OD Mounting Pipes (Order Separately)	113 lb
ANT.46628	6CHMT	17-1/2" - 56"	Six Sector Monopole Attachment	Accepts 2-3/8" or 2-7/8" SCH 40 Mounting Pipes (Six Required, Order Separately)	272 lb
			Stand	dard Antenna Mast	
CEQ#	OEM P/N	Description		Antenna Pipe (QTY) & Size	Weight
ANT.16007	P2126	Antenna Mast	2-3/8" x 126" SCH 40		40 lb
ANT.16008	P30120	Antenna Mast	2-7/8" x 120" SCH 40		61 lb

AT&T Approved PIM Mitigation

TMA Bracket



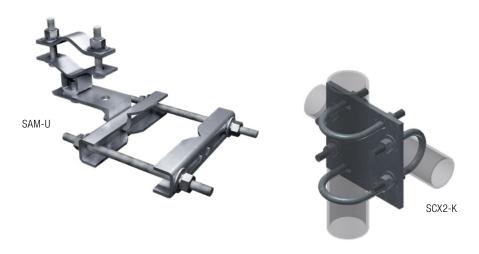
CEQ#	OEM P/N	Description	Weight
ANT.47480	PB-TMA-K	TMA Bracket	3 lb



- Use for mounting tower mounted amplifiers
- Includes universal mounting hardware for 2-3/8" 4-1/2" OD legs
- Galvanized steel bracket with rubber grommets to avoid PIM issues with dissimilar metals

AT&T Approved Mount Connections

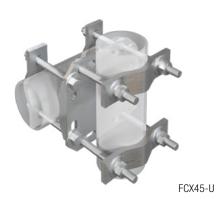
Crossover Connections and Pipe



Description

• Pipe to pipe or pipe to angle crossover kits

CEQ#	OEM P/N	Description	Weight
ANT.14750	SAM-U	Universal 2-3/8" Stiff Arm Attachment, Connect to 1"- 6" Round, 1" - 60" 60° Angles and 1" - 4" 90° Angles	9 lb
ANT.56006	FCX45-U	HD Universal, 2-3/8" - 4-1/2" Crossover	26 lb
ANT.56449	SCX3-FR-K	HD 2-3/8" or 2-7/8" - 2-3/8" or 2-7/8" Crossover	17 lb
CEQ.53317	SCX2-K	Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	9 lb
ANT.55975	SCX23-K	Crossover Kits for 2-3/8" OD Mounting Pipes (Two per Pipe)	9 lb
ANT.55975	SP219	3-1/2" - 2-3/8" Crossover	13 lb
ANT.55968	SP219-H	3-1/2" - 2-7/8" Crossover	13 lb
ANT.55983	P296	2-3/8" x 96" SCH 40 Mounting Pipe	30 lb
ANT.55993	P2120	2-3/8" x 120" SCH 40 Mounting Pipe	37 lb
ANT.55985	P3096	2-7/8" x 96" SCH 40 Mounting Pipe	47 lb
ANT.16008	P30120	2-7/8" x 120" SCH 40 Mounting Pipe	58 lb



AT&T Approved Cold Shrinks

Gamma Silicone Cold Shrink





- Meets IP-68 standards against water migration
- High shrink ratio allows weather proof seal of different types of connectors regardless of shape or size without the use of additional spacers





CEQ#	OEM P/N	Connector	Description
CEQ.15438	SDL-DC-152	DC (Power)	Gamma Cold Shrink for RRU Power Connector with Power Cable
CEQ.15437	SDL-1A-125	7/16 DIN	Gamma Cold Shrink for 7/16 DIN or 4.3-10 Connector; Interfaces to 1/2" Coaxial Cables

