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PRODUCT GUIDE

TOWER SITE MATERIAL SUPPLY, MANUFACTURING AND DESIGN

V.18.1



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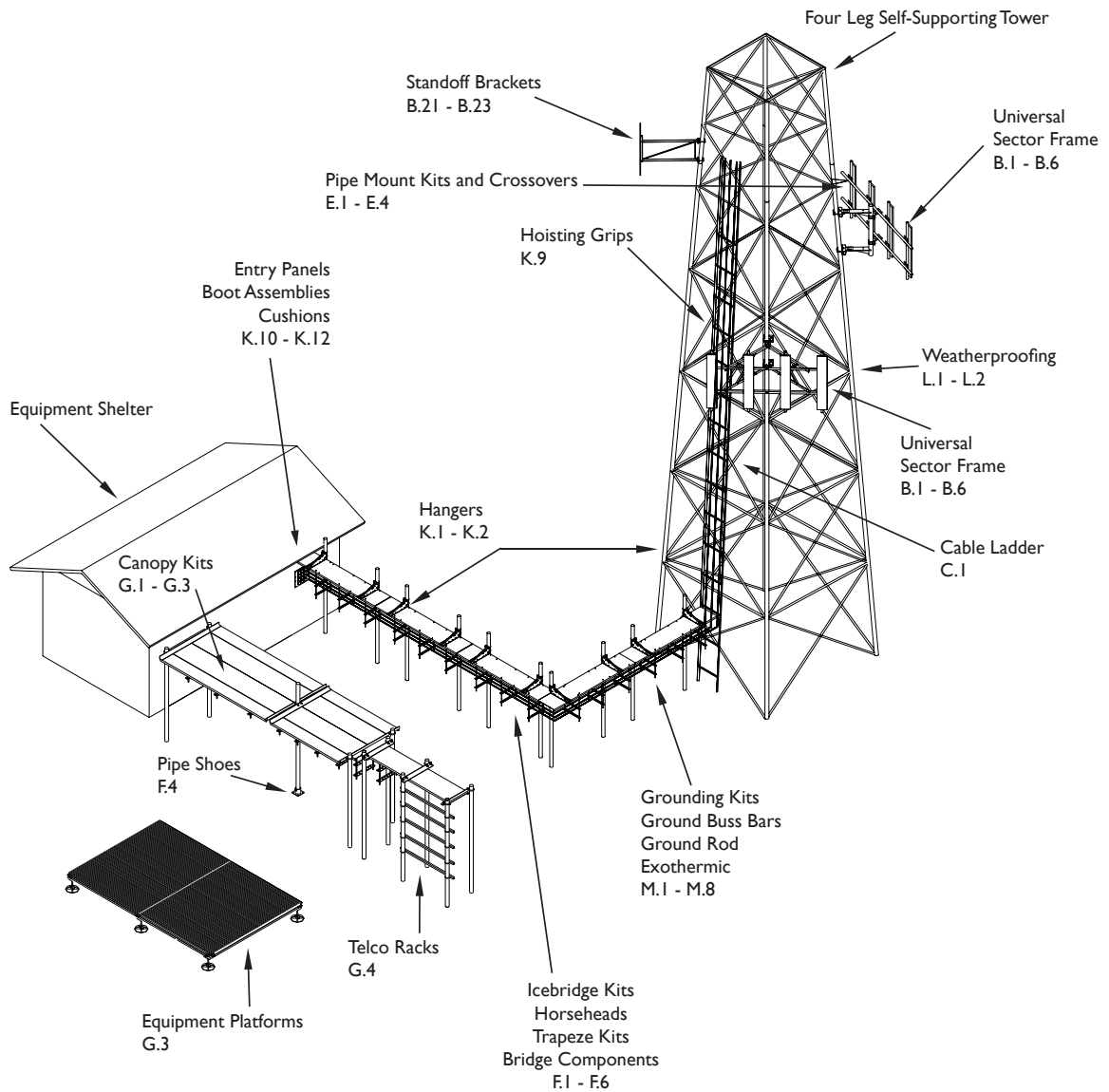
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Lattice Tower Self Support Tower (shown) (also applies for Guyed Tower)

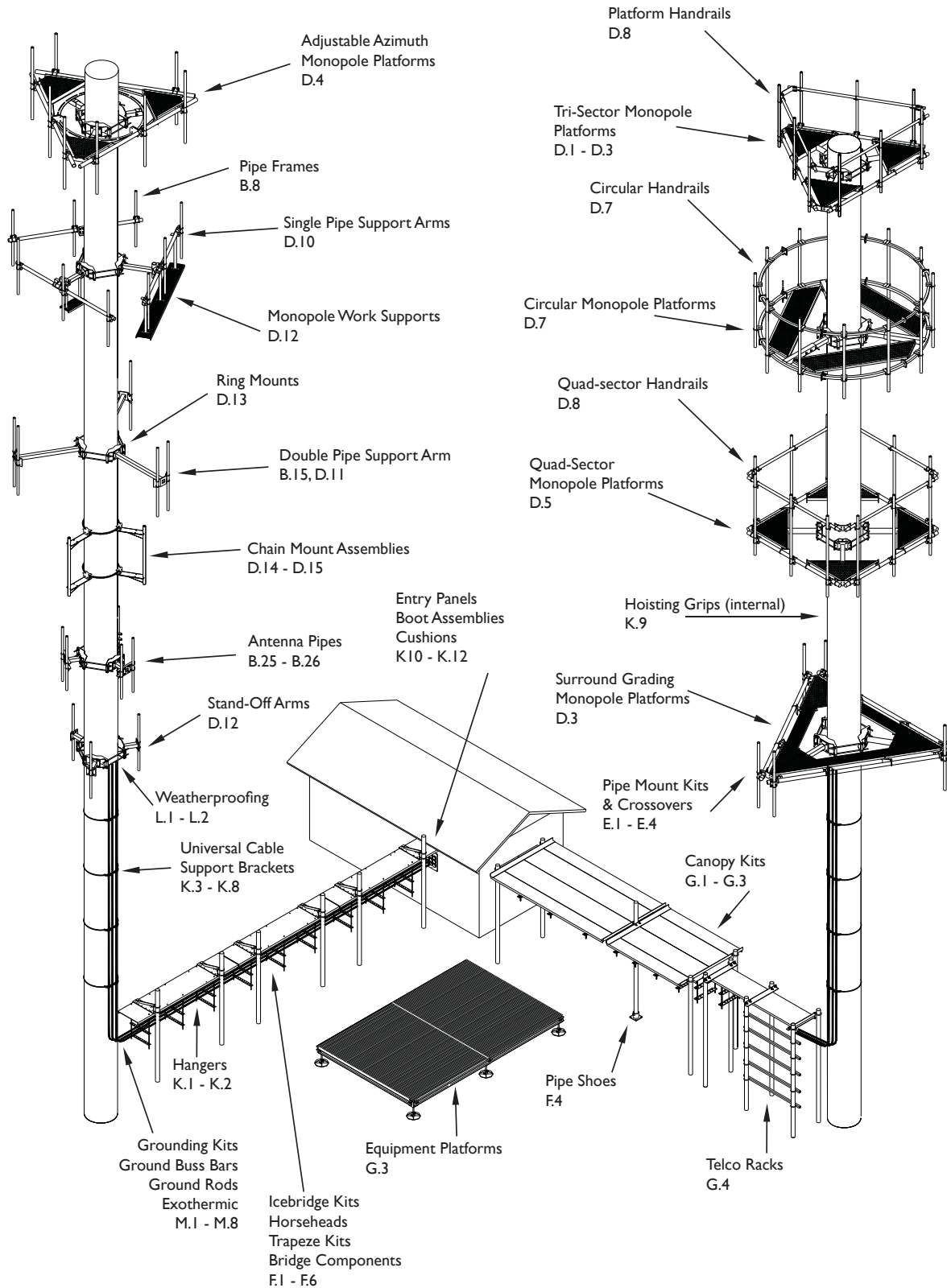


Monopole

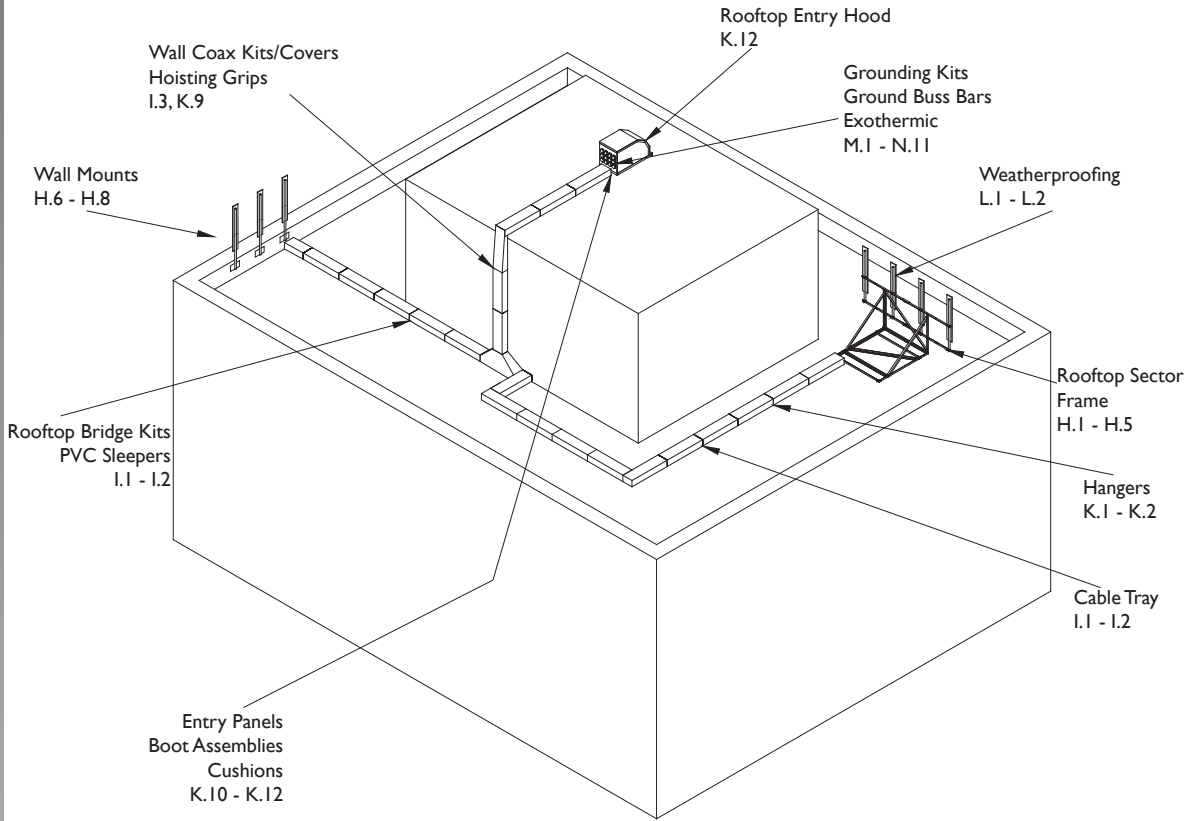
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APPLICATION GUIDES



Rooftop

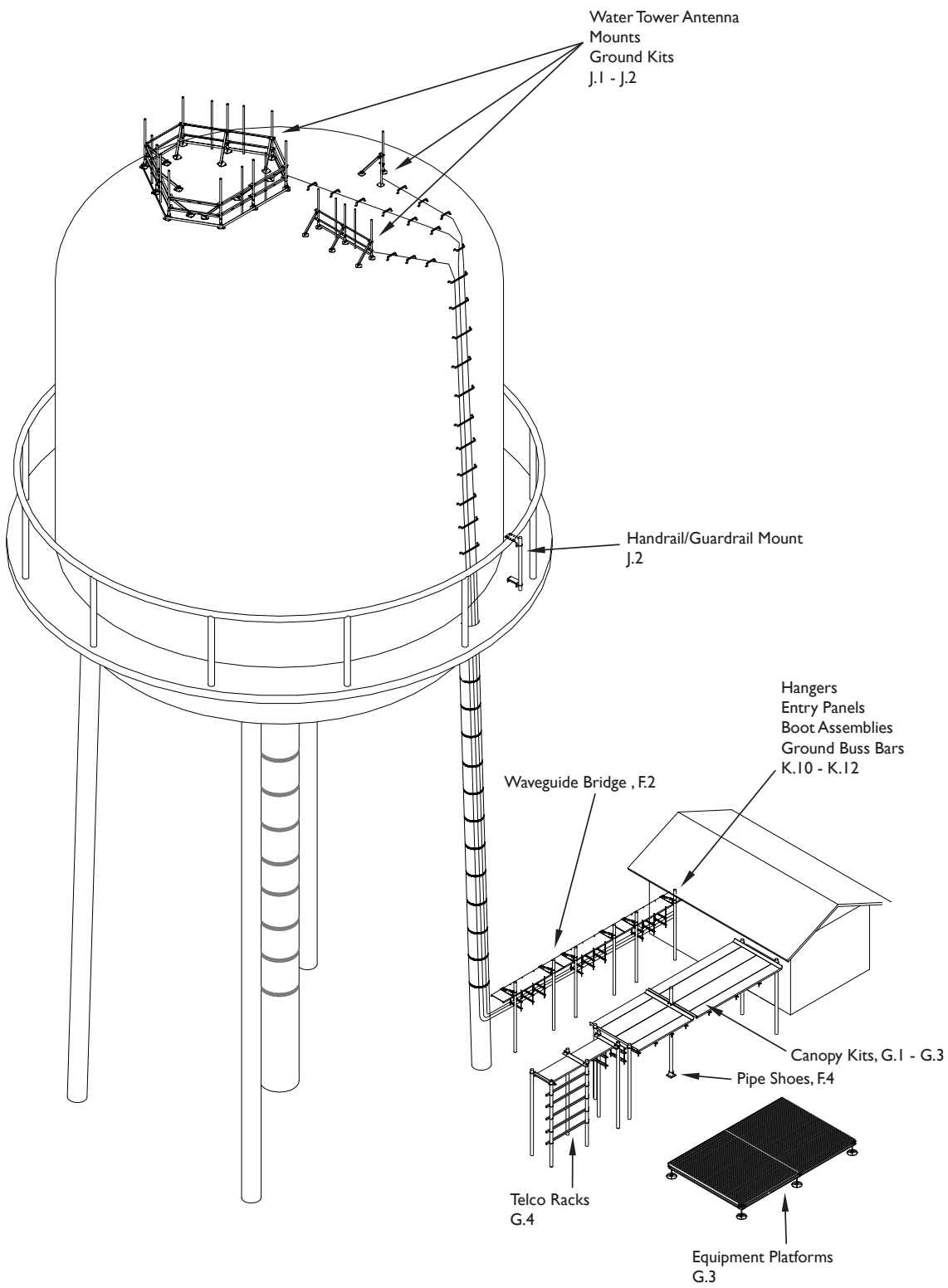


Water Tower

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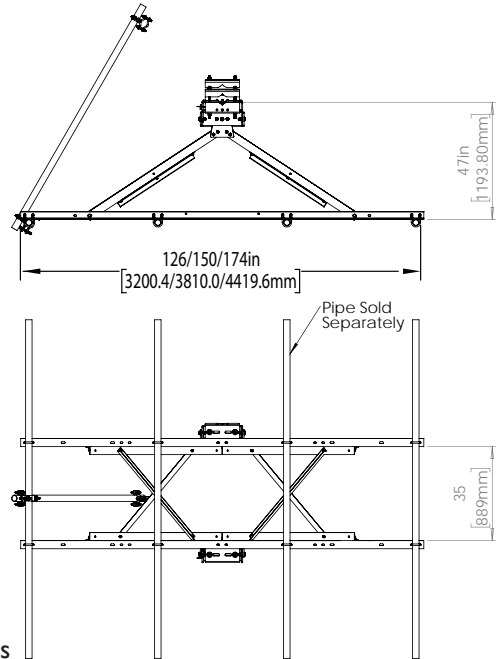
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APPLICATION GUIDES



HC5 Sector Frame - Angle Face

• Heavy 5 Class



SHOWN: T1670KT12-396
Sector Frame with 12'6" face width and (4) 96" Antenna Pipes

T1670KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Azimuth: Adjustable on straight and tapered tower legs
Material: Galvanized Steel

Slope: Accommodates up to 5 degree slope

Wind Loading and Engineering Data

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
•0.85 (Latticed Structures)
Gust Wind Effect Factor:
•0.9 (Pole Structures)
ANSI/TIA-222-G-2-2009

• This mount is rated and approved for HEAVY 5 carrier load

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
T1670KT10	10'6"	18.26	13.60	420.01	24.59	18.77	654.67
T1670KT12	12'6"	20.10	13.60	440.17	26.97	18.77	687.23
T1670KT14	14'6"	20.88	10.74	553.35	37.06	20.59	719.79

*Man Rated for 500 lb at 15 mph
*please contact customer service for exact carrier reference number

Note: Antenna pipes not included in calculations.

PART NUMBER CONFIGURATION

T1670KT

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.

Enter Length of Antenna Pipe in inches.

NP = 0 Antenna Pipes

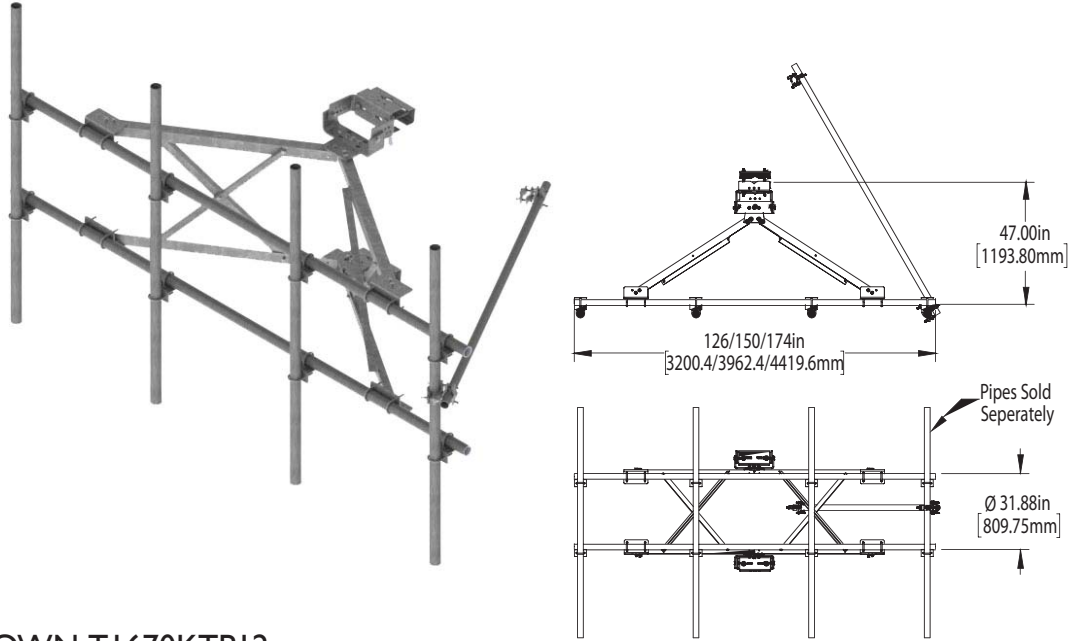
Leave blank if NP is entered.

48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1670KT12-396

HC5 Sector Frame - Pipe Face

• Heavy 5 Class



SHOWN: T1670KTP12

Sector Frame with 12'6" face width and (4) 96" Antenna Pipes

T1670KTP

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Azimuth: Adjustable on straight and tapered tower legs
Material: Galvanized Steel

Slope: Accommodates up to 10 degree slope

Wind Loading and Engineering Data

V = 90 mph
z = 250 ft
H = 300 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
•0.85 (Latticed Structures)
Gust Wind Effect Factor:
•0.95 (Pole Structures)
ANSI/TIA-222-G-2-2009

•This mount is rated and approved for HEAVY 5 carrier load

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (c) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front (ft ²)	Side (ft ²)		Front (ft ²)	Side (ft ²)	
T1670KTP10	10'6"	16.29	13.29	498.32	21.98	18.77	725.27
T1670KTP12	12'6"	17.19	13.6	513.10	23.24	18.77	747.79
T1670KTP14	14'6"	20.25	12.06	638.27	36.35	23.34	770.31

Note: Antenna pipes not included in calculations.

*Man Rated for 500 lb at 15 mph

*please contact customer service for exact carrier reference number

PART NUMBER CONFIGURATION

T1670KTP

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.
NP = 0 Antenna Pipes

Enter length of Antenna Pipe in inches
Leave blank if NP is entered
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1670KTP12-496

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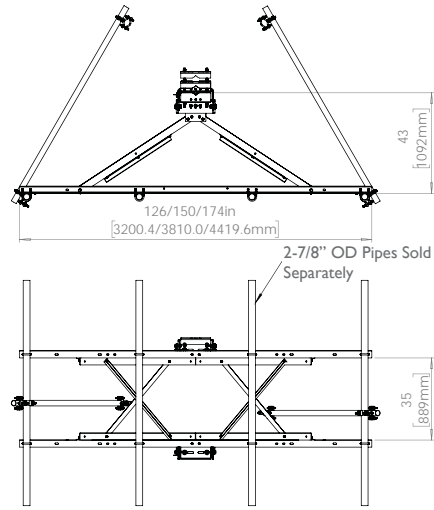
LATTICE TOWER ANTENNA MOUNTS



HCI0 Sector Frame - Angle Face

• Heavy 10 Class

• Class MI400R-4[6] & MI250R(i)-4[6]



SHOWN: T167IKT12-496

Sector Frame with 12'6" face width and (4) 96" Antenna Pipes

*Man Rated for 500 lb at 20 mph

T167IKT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates up to 5 degree slope
Azimuth: Adjustable on straight and tapered tower legs
Material: Galvanized Steel

Wind Loading and Engineering Data

*please contact customer service for exact carrier reference number

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
T167IKT10	10'6"	18.33	15.11	476.31	24.66	20.90	735.37
T167IKT12	12'6"	20.16	15.11	509.12	27.04	20.90	780.94
T167IKT14	14'6"	20.88	10.74	541.93	37.06	20.59	826.51

This mount is rated and approved for HEAVY 5 and HEAVY 10 carrier load

ANSI/TIA-222-G
V = 140 mph
z = 250 ft
H = 400 ft max (SST or GT)
Structure Class II

ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Exposure C (Rev G or H)
Topo Category I

This mount is rated and approved for MI400R-4[6] & MI250R(i)-4[6]

TIA-222-G-4
V = 140 mph
z = 250 ft
H = 400 ft max (SST or GT)
Structure Class or Risk I or II

ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Exposure B or C
Topo Category I

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored weight (lbs)
4	120	15.0	15.0	663	60	1.0	24.0	24.0	1325

REQUIRED MOUNT CLASSIFICATION	
Bare	Iced
MI400R-4[6]	MI250R(i)-4[6]

PART NUMBER CONFIGURATION

T167IKT

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector

NP = 0 Antenna Pipes

Enter Length of Antenna Pipe in inches.

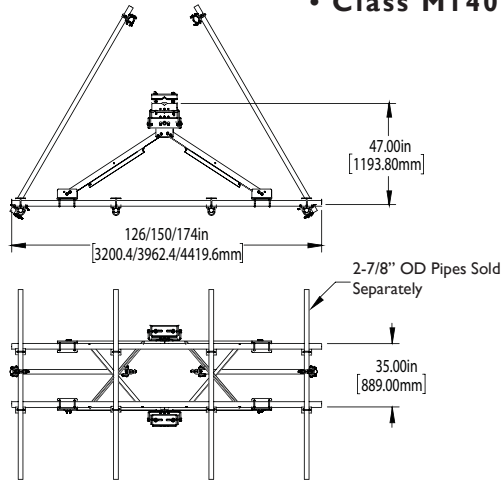
Leave blank if NP is entered.
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T167IKT12-496

HCI0 Sector Frame - Pipe Face

• Heavy 10 Class

• Class MI400R-4[6] & MI250R(i)-4[6]



SHOWN: TI671KTP12-496

Sector Frame with 12'6" face width and (4) 96" Antenna Pipes

TI671KTP

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates up to 10 degree slope
Azimuth: Adjustable on straight and tapered tower legs
Material: Galvanized Steel

Wind Loading and Engineering Data

*please contact customer service for exact carrier reference number

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
TI671KTP7	7'6"	12.14	13.30	349.26	16.73	18.48	539.25
TI671KTP10	10'6"	17.25	15.11	586.65	32.77	23.34	844.93
TI671KTP12	12'6"	18.33	15.11	617.02	35.90	23.34	884.37
TI671KTP14	14'6"	20.25	12.06	647.39	36.35	23.34	923.81

This mount is rated and approved for HEAVY 10 and HEAVY 5 carrier load

ANSI/TIA-222-G
V = 140 mph
z = 250 ft
H = 400 ft max (SST or GT)
Structure Class II

ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Exposure C (Rev G or H)
Topo Category I

This mount is rated and approved for MI400R-4[6] & MI250R(i)-4[6]

TIA-222-G-4
V = 140 mph
z = 250 ft
H = 400 ft max (SST or GT)
Structure Class or Risk I or II

ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Exposure B or C
Topo Category I

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	120	15.0	15.0	663	60	1.0	24.0	24.0	1325

REQUIRED MOUNT CLASSIFICATION	
Bare	Iced
MI400R-4[6]	MI250R(i)-4[6]

PART NUMBER CONFIGURATION

TI671KTP

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.
NP = 0 Antenna Pipes

Enter length of Antenna Pipe in inches

Leave blank if NP is entered
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: TI671KTP12-496

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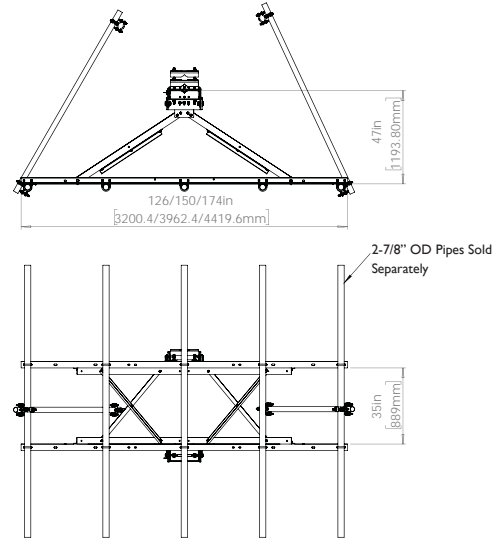
LATTICE TOWER ANTENNA MOUNTS



HCX Sector Frame - Angle Face

• Heavy WLL Class

• Exceeds Class MI400R-4[6] & MI250R(i)-4[6]



SHOWN: T1672KT12-596
Sector Frame with 12'6" face width and (5) 96" Antenna Pipes

T1672KT

*Man Rated for 500 lb at 15 mph

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates up to 5 degree slope
Azimuth: Adjustable on straight and tapered tower legs
Material: Galvanized Steel

Wind Loading and Engineering Data

*please contact customer service for exact carrier reference number

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
T1672KT10	10'6"	17.21	10.74	571.27	30.79	20.59	838.62
T1672KT12	12'6"	19.04	10.74	611.80	33.92	20.59	883.62
T1672KT14	14'6"	20.88	10.74	652.33	37.06	20.59	928.62

The mount is rated and approved for HEAVY WLL, HEAVY I0, and HEAVY 5

V = 120 mph
z = 250 ft
H = 300 ft max (SST or GT)
Exposure B or C
Structure class I or II
Topo Category I
ti 1/2" with Vi = 40 mph

ANSI/TIA-222-G
ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Gust Wind Effect Factor:
*1.0 (Pole Structures)

This mount is rated and approved for exceeding MI400R-4[6] & MI250R(i)-4[6]

V = 120 mph
z = 250 ft
H = 400 ft max (SST or GT)
Exposure B or C
Structure class I or II
Topo Category I
ti 1/2" with Vi = 40 mph

TIA-222-G-4
ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Gust Wind Effect Factor:
*1.0 (Pole Structures)

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
5	120	17.5	17.5	530	60	1.0	24.0	24.0	1060

PART NUMBER CONFIGURATION

T1672KT

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.
NP = 0 Antenna Pipes

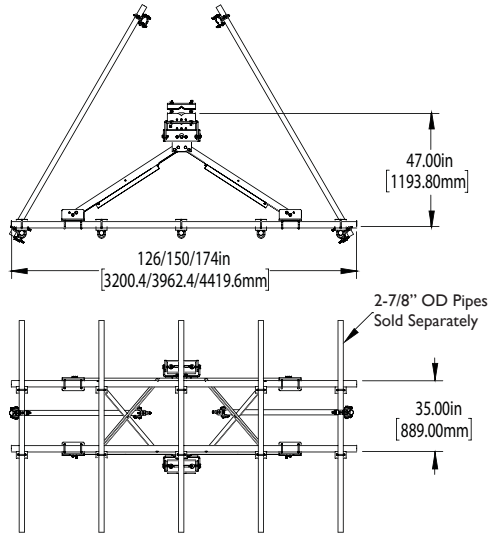
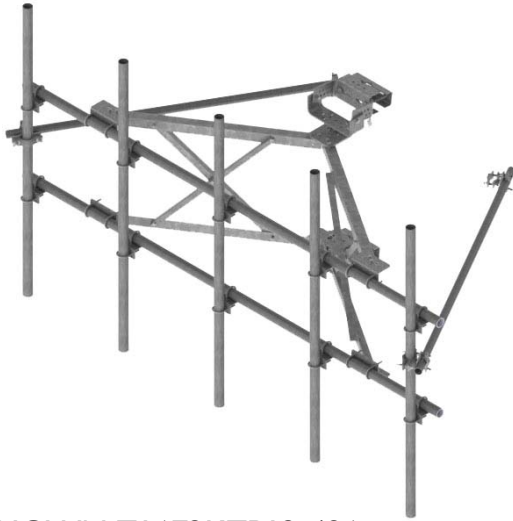
Enter Length of Antenna Pipe in inches.
Leave blank if NP is entered.
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1672KT12-596

HCX Sector Frame - Pipe Face

• Heavy WLL Class

• Exceeds Class MI400R-4[6] & MI250R(i)-4[6]



SHOWN: T1672KTP12-496

Sector Frame with 12'6" face width and (5) 96" Antenna Pipes

T1672KTP

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates up to 10 degree slope
Material: Galvanized Steel

Wind Loading and Engineering Data

*please contact customer service for exact carrier reference number

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front (ft ²)	Side (ft ²)		Front (ft ²)	Side (ft ²)	
T1672KTP10	10'6"	9.6	9.71	608.60	16.52	18.79	866.88
T1672KTP12	12'6"	10.52	9.71	638.27	18.32	18.79	905.62
T1672KTP14	14'6"	11.44	9.71	667.99	20.12	18.79	944.36

** calculations require 2 stiff arms

The mount is rated and approved for HEAVY WLL, HEAVY 10, and HEAVY 5

V = 120 mph
z = 250 ft
H = 300 ft max (SST or GT)
Exposure B or C
Structure class I or II
Topo Category I
ti 1/2" with Vi = 40 mph

ANSI/TIA-222-G
ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Gust Wind Effect Factor:
*1.0 (Pole Structures)

This mount is rated and approved for exceeding MI400R-4[6] & MI250R(i)-4[6]

V = 120 mph
z = 250 ft
H = 400 ft max (SST or GT)
Exposure B or C
Structure class I or II
Topo Category I
ti 1/2" with Vi = 40 mph

TIA-222-G-4
ti 1/2" with Vi = 40 mph
Wind direction probability factor:
*0.95 (Latticed Structures)
Gust Wind Effect Factor:
*1.0 (Pole Structures)

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)
5	120	17.5	17.5	530	60	1.0	24.0	24.0	1060

PART NUMBER CONFIGURATION

T1672KTP

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.

NP = 0 Antenna Pipes

Enter length of Antenna Pipe in inches

Leave blank if NP is entered
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1672KTP12-596

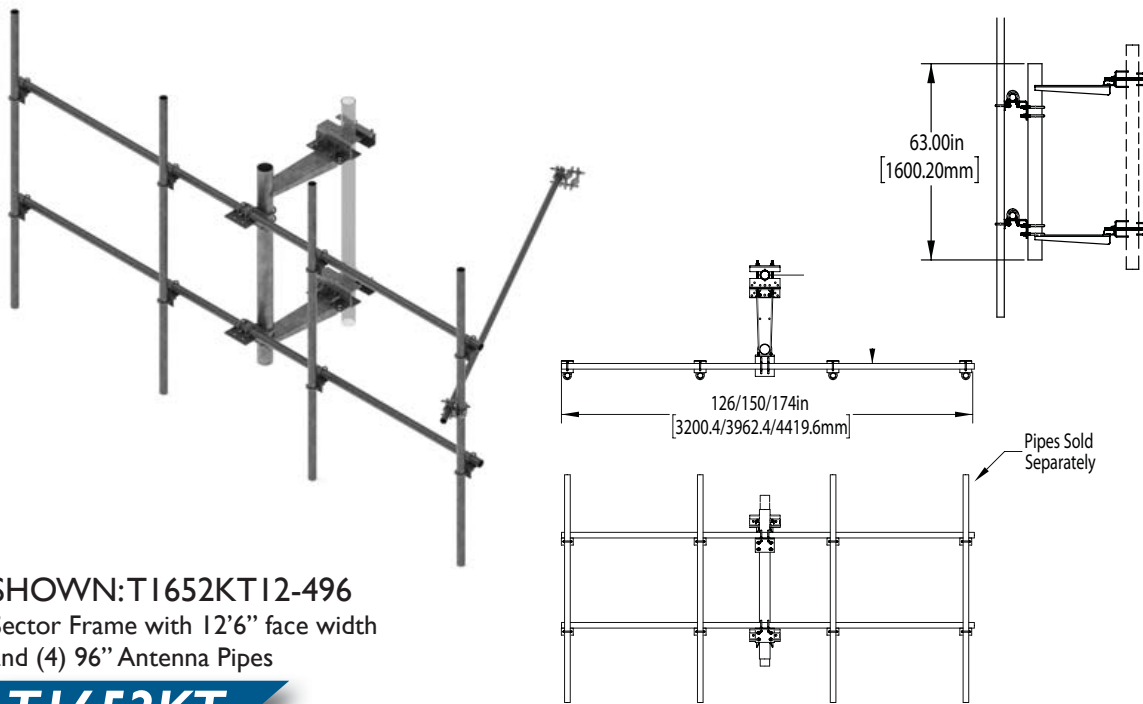
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LATTICE TOWER ANTENNA MOUNTS



Universal Pipe Sector Frame 24" Stand-Off 10.5' and 12.5' Face



SHOWN: T1652KT12-496
Sector Frame with 12'6" face width
and (4) 96" Antenna Pipes

T1652KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Azimuth: Swivels at leg and face to obtain proper azimuth
Material: Galvanized Steel

Slope: Accommodates up to 10 degree slope

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
•0.85 (Latticed Structures)
Gust Wind Effect Factor:
•0.9 (Pole Structures)
ANSI/TIA-222-G-2-2009

Load Per Sector at specified wind rating: Front CaAa(ft²)= 54.22
Side CaAa(ft²)= 35.58

* (4) 2-7/8" OD Antenna Pipes and (2) Stiff Arms required when installing above load.

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
T1652KT10-NP	10'6"	9.6	7.74	388.2	16.52	14.67	453.24
T1652KT12-NP	12'6"	10.52	7.74	403.5	18.32	14.67	477.00
T1652KT14-NP	14'6"	11.44	7.74	417.8	20.12	14.67	500.76

Man rated for 250 lb. at 15 mph.

*** calculations require 2 stiff arms

PART NUMBER CONFIGURATION

T1652KT

7 = 7' face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of Antenna Pipes per sector.
NP = 0 Antenna Pipes

Enter length of Antenna Pipe in inches

Leave blank if NP is entered
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1652KT12-496

Adjustable Slope Face Mount Universal Antenna Frame

T1602KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
 Up to 8" Leg Diameter
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1602KT	Pipe Mount, Up to 5" leg (for 4-1/2" OD Pipe)	Each	95.6

Adjustable Slope Face Mount Universal Antenna Frame

T1603KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
 Up to 16" Leg Diameter
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1603KT	Universal Pipe Mount; 1-1/2" OD - 12" OD	Each	136.2

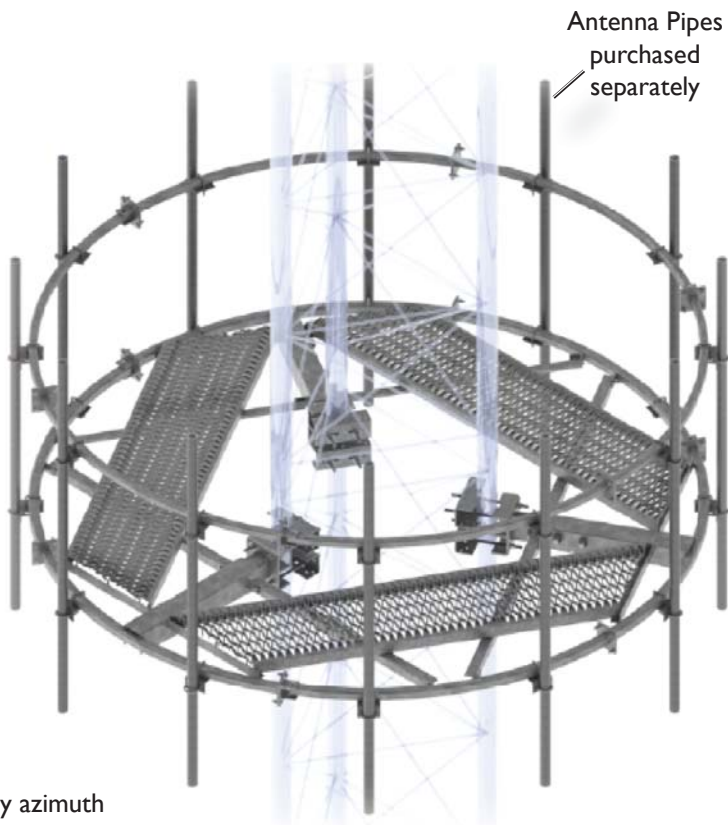
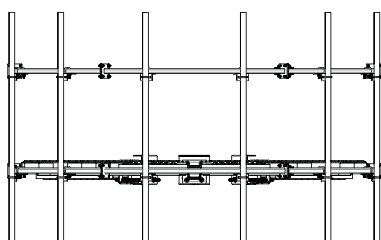
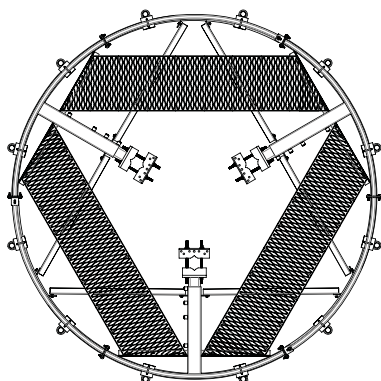
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LATTICE TOWER ANTENNA MOUNTS



Circular Co-Location Platform for Lattice Tower



- * Antenna Pipes sold separately
- * Design will accommodate virtually any azimuth
- * Hardware included for (12) 2-3/8" OD Antenna Pipes

T1515KT-G

Application Data

Fits Leg: Leg spacing range 18" to 60"

Material: Galvanized Steel

Azimuth Fixed sectors: legs must be 120 degrees apart (3-legged tower)

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)

Load Per Sector at specified wind rating: Front CaAa(ft²)= 54.22
(assuming 3 sectors) Side CaAa(ft²)= 35.58

Exposure C

Structure class II

Topo Category I

ti 1/2" with Vi = 40 mph

Wind direction Probability Factor:

•0.85 (Latticed Structures)

Gust Wind Effect Factor:

•1.1 (Pole Structures)

ANSI/TIA-222-G-2-2009

EPA of Base Unit (no antenna pipes)

Calculations are for entire mount (all 3 sectors)

Part Number	Face Diameter	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1515KT-G	12'10"	30.5	1587	46.70	2182

Man rated for 500 lb. at 15 mph.

Part No	Description	UOM	Wt (lbs)
T1515KT-G	Circular platform for guyed tower	Each	1587

Sector Frame Reinforcement Kit

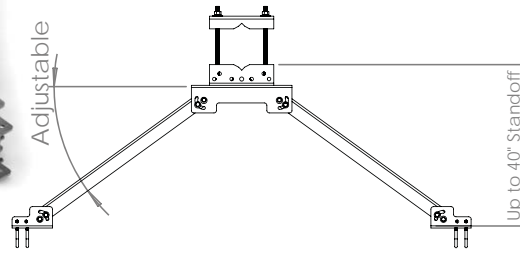
• 40" Stand-Off

K1610KT



Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



* Tower Leg Stand-off Range: 12" - 40"

* Face Pipe Range: 2-3/8" OD - 3-1/2" OD

Part No	Description	UOM	Wt (lbs)
K1610KT1	1 Reinforcement Kit for Sector Frames and T-booms	Each	124.43
K1610KT2	2 Reinforcement Kits for Sector Frames and T-booms	Each	248.86
K1610KT3	3 Reinforcement Kits for Sector Frames and T-booms	Each	373.29

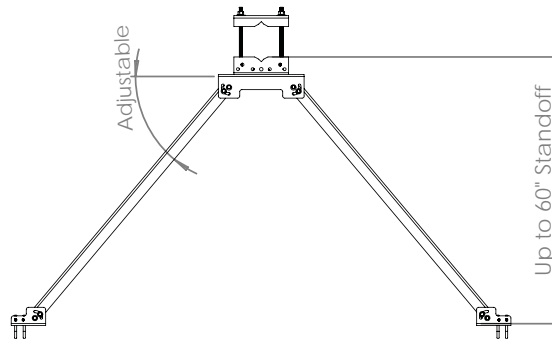
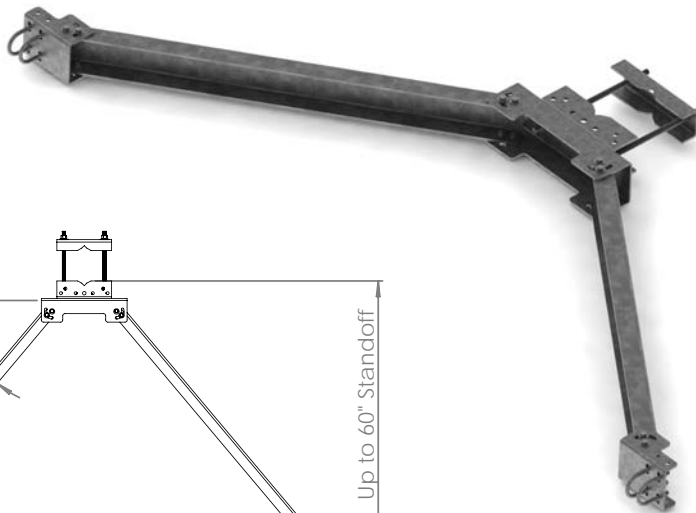
Sector Frame Reinforcement Kit

60" Stand-Off

K1610KTL

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Material: Galvanized Steel



* Tower Leg Stand-Off Range: 30" - 60"

* Face Pipe Range: 2-3/8" OD - 3-1/2" OD

Part No	Description	UOM	Wt (lbs)
K1610KTL1	1 Reinforcement Kit for Sector Frames and T-booms	Each	124.43
K1610KTL2	2 Reinforcement Kits for Sector Frames and T-booms	Each	248.86
K1610KTL3	3 Reinforcement Kits for Sector Frames and T-booms	Each	373.29

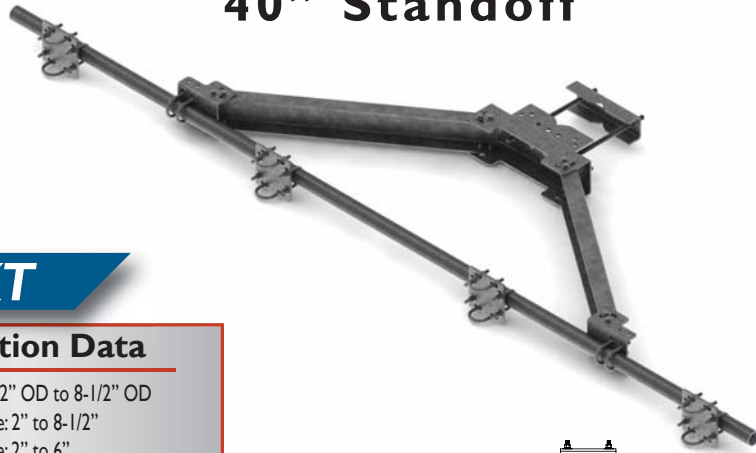
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Sector Frame Reinforcement Kit 40" Standoff



T1612KT

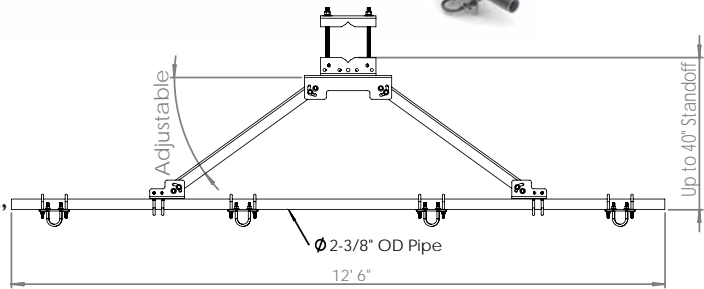
Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Material: Galvanized Steel

* Tower Leg Stand-Off Range: 12" - 40"

* Kit includes 2-3/8" OD Face Pipe, 12'6" Long (1) Per Sector

* Four Crossovers kits for 2-3/8-2-3/8 mast pipes included



Part No	Description	UOM	Wt (lbs)
T1612KT1	1 Reinforcement Kit with 2-3/8" OD Pipe and Pipe Mount Kits	Each	169.85
T1612KT2	2 Reinforcement Kits with 2-3/8" OD Pipe and Pipe Mount Kits	Each	339.70
T1612KT3	3 Reinforcement Kits with 2-3/8" OD Pipe and Pipe Mount Kits	Each	509.55

Sector Frame Reinforcement Kit 60" Standoff



T1612KTL

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel

* Tower Leg Stand-Off Range: 30" - 60"

* Kit includes 2-3/8" OD Face Pipe, 12'6" Long (1) Per Sector

* Four Crossovers kits for 2-3/8-2-3/8 mast pipes included

Part No	Description	UOM	Wt (lbs)
T1612KTL1	1 Reinforcement Kit with 2-3/8" OD Pipe and Pipe Mount Kits	Each	296.43
T1612KTL2	2 Reinforcement Kits with 2-3/8" OD Pipe and Pipe Mount Kits	Each	592.86
T1612KTL3	3 Reinforcement Kits with 2-3/8" OD Pipe and Pipe Mount Kits	Each	888.29

Stabilizer Kit For Sector Frame/Stand-Off Arm Self-Supporting Tower

Z2026KTSST

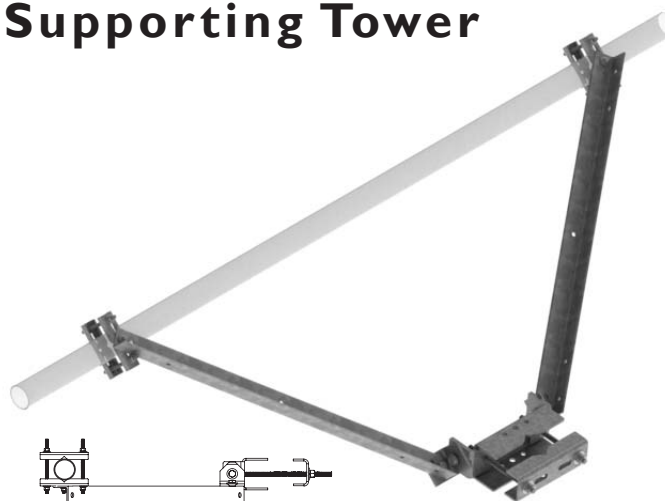
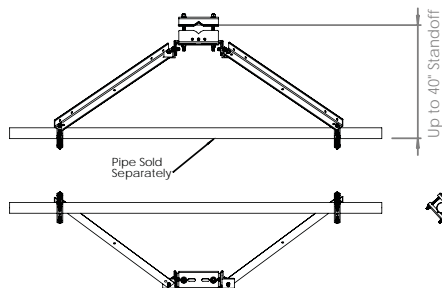
Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD

60 deg angle: 2" to 8-1/2"

90 deg angle: 2" to 6"

Material: Galvanized Steel



*Kit works for both vertical as well as horizontal reinforcement

Part No	Description	UOM	Wt (lbs)
Z2026KTSST	Stabilizer Kit for sector frame, Stand-Off arm, Self supporting arm, Self Supporting tower, double arm support	Each	82.7

Heavy Duty Self-Supporting Tower Stabilizer Kit For Sector Frame/Stand-Off Arm 40" Stand-Off

Z2026KT2SST

Application Data

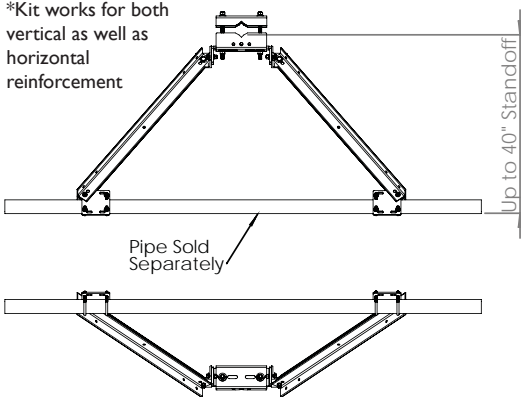
Fits Leg: Round: 1-1/2" OD to 8-1/2" OD

60 deg angle: 2" to 8-1/2"

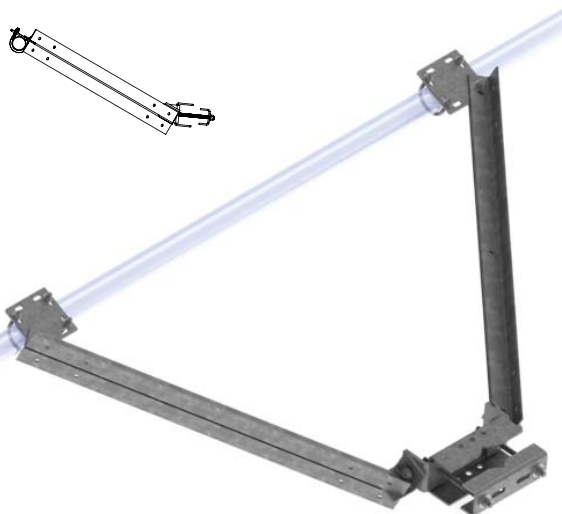
90 deg angle: 2" to 6"

Material: Galvanized Steel

*Kit works for both vertical as well as horizontal reinforcement



*Kit works for both vertical as well as horizontal reinforcement



Part No	Description	UOM	Wt (lbs)
Z2026KT2SST	Stabilizer Kit for sector frame, Stand-Off arm, Self supporting arm, Self Supporting tower, double arm support	Each	130.8

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Self Supporting Tower Stabilizer Kit, LONG Stand-Off For Sector Frame/Stand-Off Arm

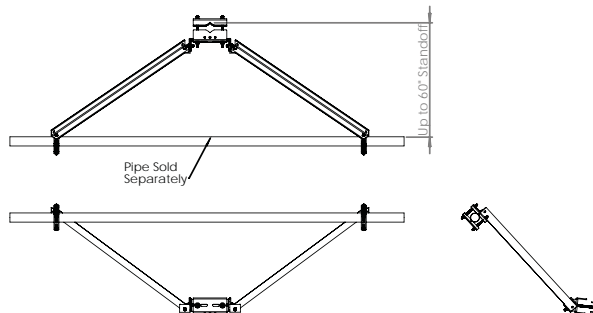
Z2026KTLSSST

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



*Kit works for both vertical as well as horizontal reinforcement



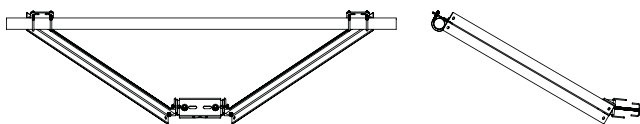
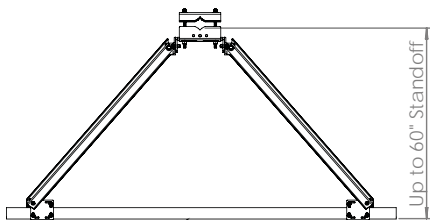
Part No	Description	UOM	Wt (lbs)
Z2026KTLSSST	1 Reinforcement Kit for Sector Frames and T-booms	Each	124.4

Stabilizer Kit, LONG Stand-Off for Sector Frame/Stand-Off Arm Self-Supporting Tower

Z2026KTL2SST

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Material: Galvanized Steel



*Kit works for both vertical as well as horizontal reinforcement

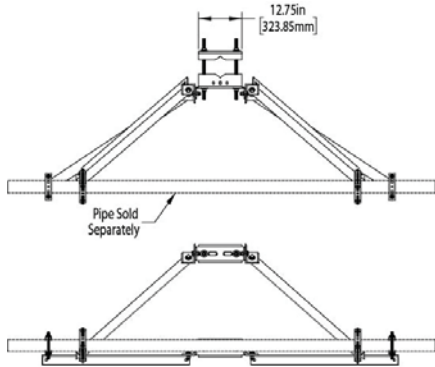
Part No	Description	UOM	Wt (lbs)
Z2026KTL2SST	1 Reinforcement Kit with 2-3/8" OD Pipe and Pipe Mount Kits	Each	169.8

Sector Frame Reinforcement Kit

Z2026KTR

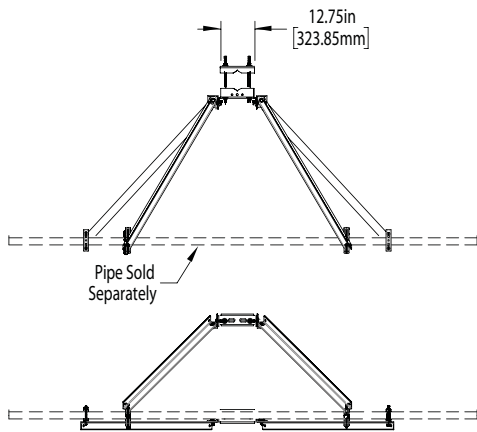
Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
Z2026KTR	Sector frame reinforcement kit	Each	192.2

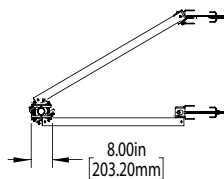
Sector Frame Reinforcement Kit, LONG



Z2026KTRL

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
Z2026KTRL	Sector frame reinforcement kit, long	Each	224.7

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LATTICE TOWER ANTENNA MOUNTS



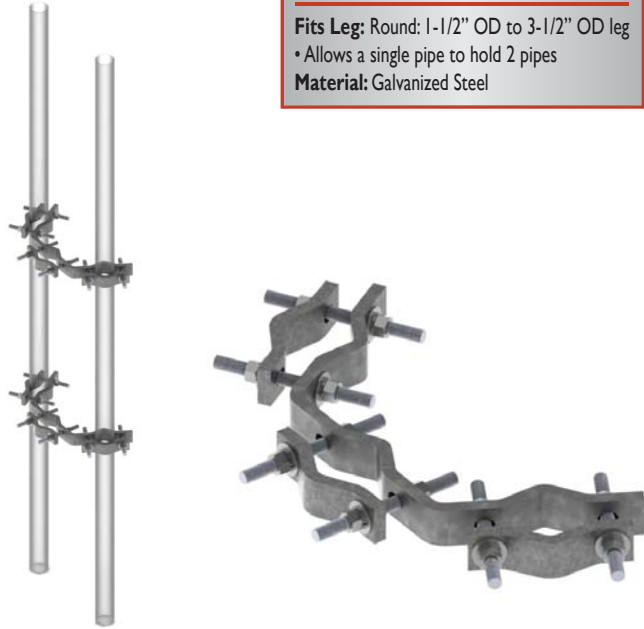
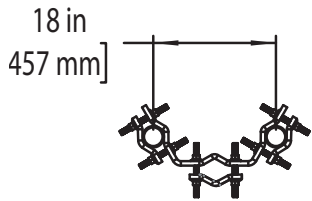
Dual Antenna Adapter

- Attaches to pipe up to 3-1/2" OD
- Used with any antenna pipe
- Will allow 2 antennas to be mounted

T1006MT200

Application Data

Fits Leg: Round: 1-1/2" OD to 3-1/2" OD leg
 • Allows a single pipe to hold 2 pipes
Material: Galvanized Steel



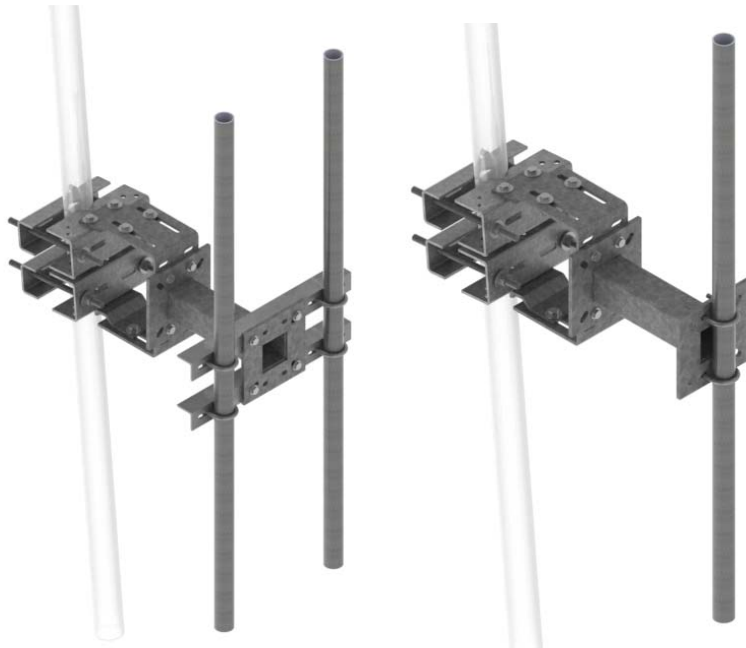
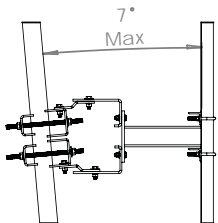
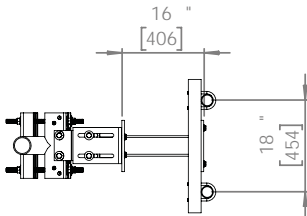
Part No	Description	UOM	Wt (lbs)
T1006MT200	Fits 1-1/2" to 3-1/2" pipe	Kit of 2	19.9

T-Arm Stand-Off

T1760KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 5-3/4"
 90 deg angle: 2" to 3-1/2"
Slope: Accommodates up to 7 degree slope
Material: Galvanized Steel



Custom configurations and pipe lengths available upon request

Part No	Description	UOM	Wt (lbs)
T1760KT16-196	T-Arm, 16" stand-off, (1) antenna pipe 96" x 2-3/8" OD	Each	139.1
T1760KT16-296	T-Arm, 16" stand-off, (2) antenna pipes 96" x 2-3/8" OD	Each	188.7

Universal Face Mount for Angle or Round Tapered or Straight Tower Legs

T140xKT



Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates any typical slope

Azimuth: Not applicable

Material: Galvanized Steel

- * Ideal for sector frames or microwave dishes
- * Any configuration available upon request

SHOWN: T1403KT2S-14-1463
Face Mount with 3-1/2" OD 14' Long Face Pipe,
2 Struts, 4-1/2" OD Mounting Pipe

PART NUMBER CONFIGURATION

T140	KT	-	-
↓	↓	↓	↓
Enter Face Pipe Diameter	Enter Face Pipe Width	Enter Strut(s)	Enter Mounting Pipe
2 = 2-3/8" OD Face Pipe 3 = 3-1/2" OD Face Pipe 4 = 4-1/2" OD Face Pipe	8 = 8' Long Face Pipe 14 = 14' Long Face Pipe 20 = 20' Long Face Pipe	Blank = No Strut S = 1 Strut S2 = 2 Struts	Blank = No Mounting Pipe 1463 = 4-1/2" OD, 63" Pipe

EXAMPLE: T1403KT2S-14-1463

Universal Face Mount with 14" Pipe Mount Extension for Angle or Round Sloped or Straight Tower Legs

T140xKTL

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"

Slope: Accommodates any typical slope

Azimuth: Not applicable

Material: Galvanized Steel

SHOWN: T1402KTL8-S-1463
Face Mount with 2-3/8" OD 8' Long Pipe
Face, 1 Strut, 4-1/2" OD Mounting Pipe
w/ 14" Pipe Mount Extension Brackets.



PART NUMBER CONFIGURATION

T140	KTL	-	-
↓	↓	↓	↓
Enter Face Pipe Diameter	Enter Face Pipe Width	Enter Strut(s)	Enter Mounting Pipe
2 = 2-3/8" OD Face Pipe 3 = 3-1/2" OD Face Pipe 4 = 4-1/2" OD Face Pipe	8 = 8' Long Face Pipe 14 = 14' Long Face Pipe 20 = 20' Long Face Pipe	Blank = No Strut S = 1 Strut S2 = 2 Struts	Blank = No Mounting Pipe 1463 = 4-1/2" OD, 63" Pipe

EXAMPLE: T1402KTL8-S-1463

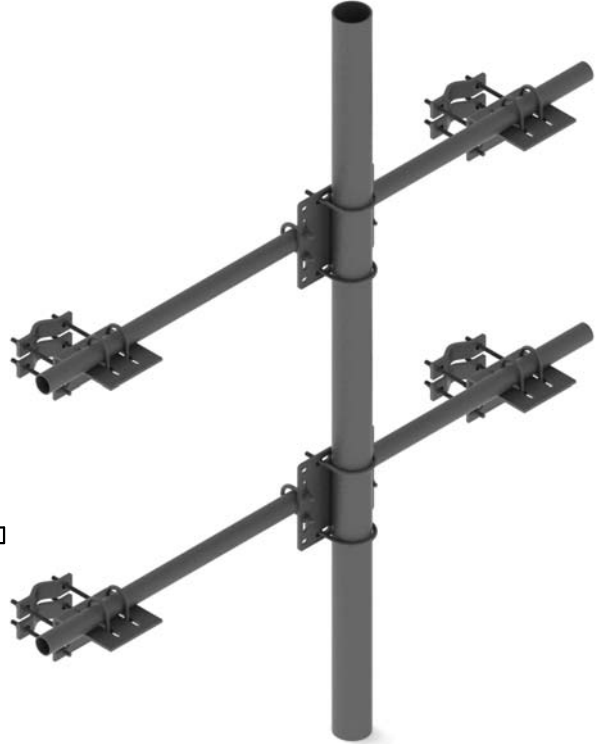
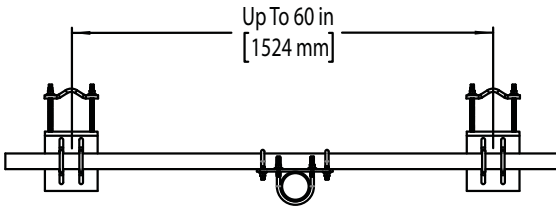
Face Mount Adapter for Straight Legs

T1607KT72

Application Data

Fits Leg: Round: 1-1/2" OD to 5-1/4" OD
Angle: CALL FOR APPLICATIONS

Azimuth: Not applicable
Material: Galvanized Steel



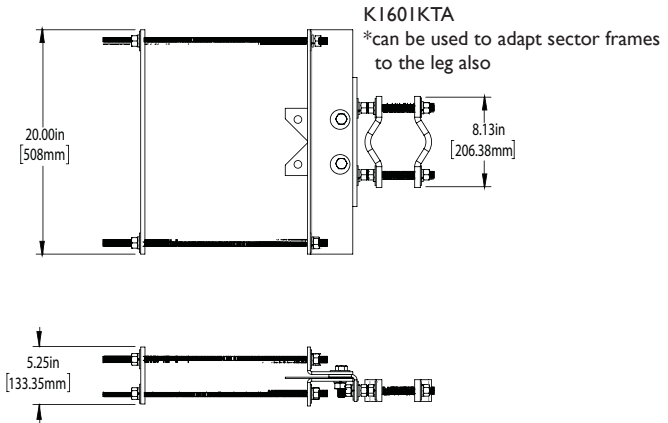
Part No	Description	UOM	Wt (lbs)
T1607KT72	Face Mount Adapter, 2"-5" OD leg, w/ 4-1/2" OD x72" Long Pipe	Each	195

Large Tower Leg Clamp Kits

K1601KTA

Application Data

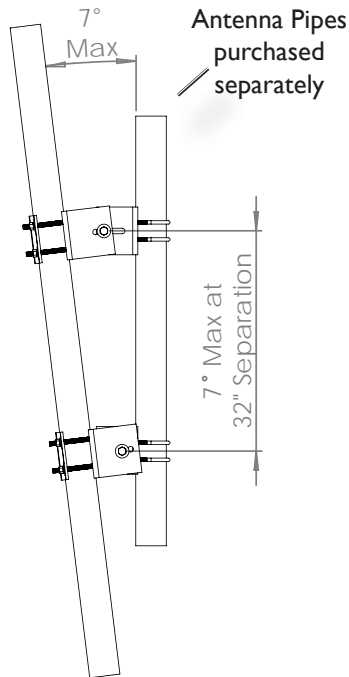
Fits Leg: Angle: 8" to 18" angle members and breakdown legs
Material: Galvanized Steel



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
K1601KTA	Mounts to 18" Triangular legs or 8" to 18" angle members	Kit of 2	40.8

Heavy Duty Pipe Mount for 4-1/2 pipe Mounts up to 5" OD Pipe



T1342KT

Application Data

Fits Leg: Round: 1-1/2" OD to 5" OD
60 deg angle: 2" to 8-1/2"
90 deg angle: 2" to 6"
Up to 8" Leg Diameter
Azimuth: Not applicable
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1342KT	Pipe Mount, Up to 5" leg (for 4-1/2" OD Pipe)	Each	95.6

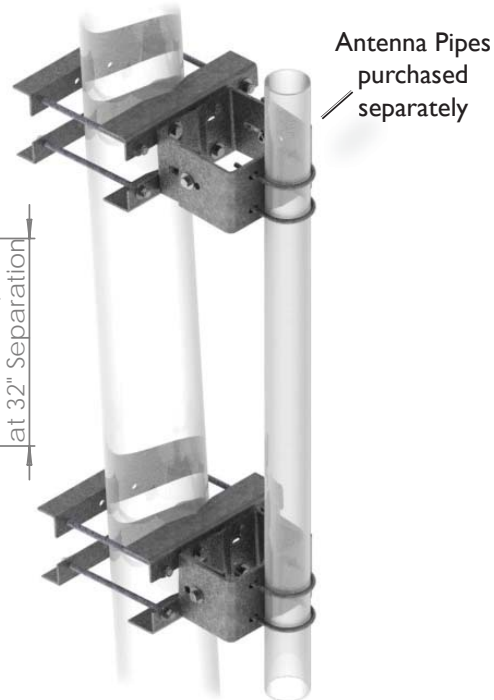
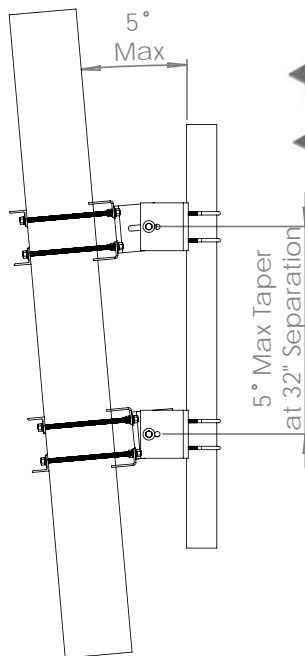
Universal Pipe Mount

T1344KT

Application Data

Fits Leg: Round: 1-1/2" OD to 16" OD
60 deg angle: 2" to 16"
90 deg angle: 2" to 12"

Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1344KT	Universal Pipe Mount; 1-1/2" OD - 12" OD for 4-1/2" OD pipe	Each	136.2

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Taper Adjustment Pipe Mount

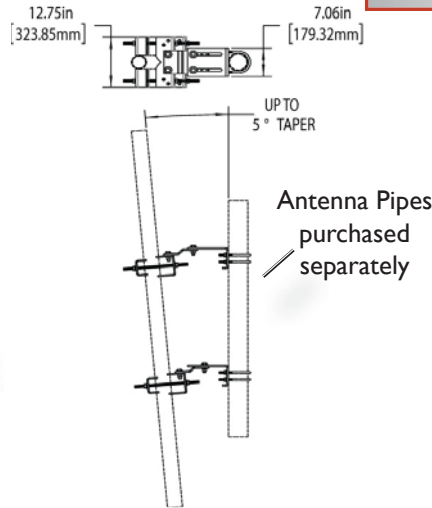
T1704KT

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"

Azimuth: Not applicable

Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1704KT	Taper Adjustment, Pipe Mount	Each	118.1

Heavy Duty Taper Adjustment Pipe Mount

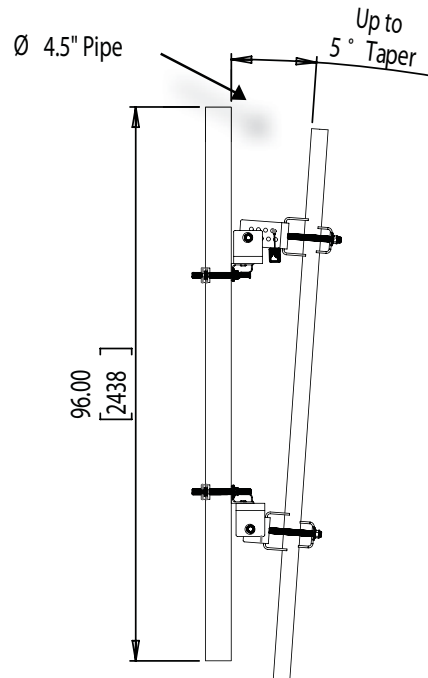
T1704KT2-496

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"

Azimuth: Not applicable

Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1704KT2-496	Adjustable Pipe Mount, HD, 4-1/2" OD x 96" pipe	Each	263.8

Universal Dish Mount, Large Leg

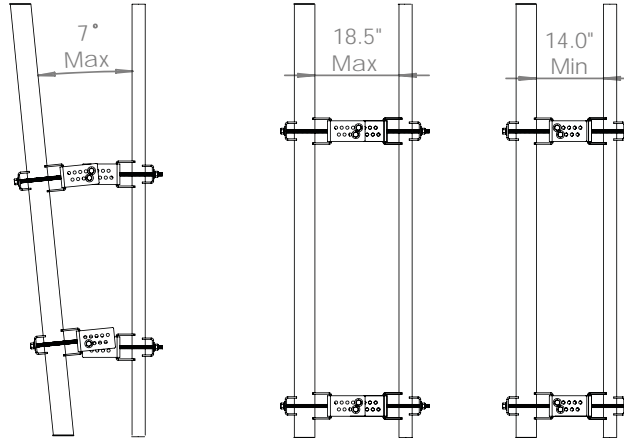


Antenna Pipes
 purchased
 separately

T1704KT4A

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
 Up to 16" Leg Diameter
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



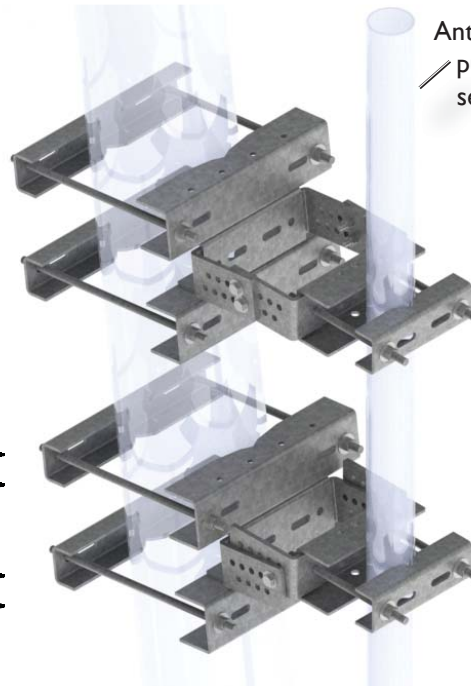
Part No	Description	UOM	Wt (lbs)
T1704KT4A	Pipe Mount, Up to 5" leg (for 4-1/2" OD Pipe)	Each	95.6

Universal Dish Mount

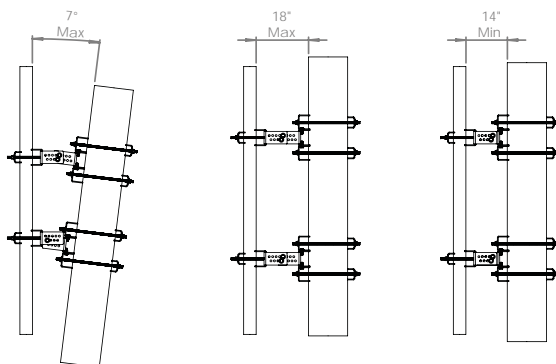
T1704KTL4A

Application Data

Fits Leg: Round: 1-1/2" OD to 8-1/2" OD
 60 deg angle: 2" to 8-1/2"
 90 deg angle: 2" to 6"
 Up to 8" Leg Diameter
Slope: Accommodates any typical slope
Azimuth: Not applicable
Material: Galvanized Steel



Antenna Pipes
 purchased
 separately



Part No	Description	UOM	Wt (lbs)
T1704KTL4A	Universal Pipe Mount; 1-1/2" OD - 12" OD	Each	136.2

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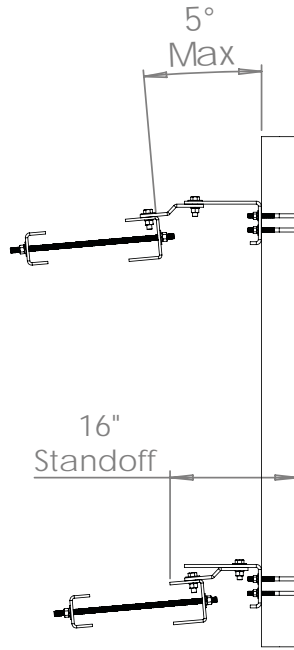
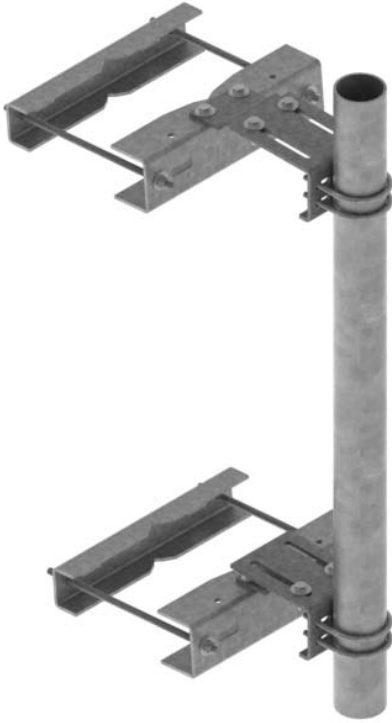
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LATTICE TOWER ANTENNA MOUNTS



Taper Adjustment, Pipe Mount

T1704KTL-463



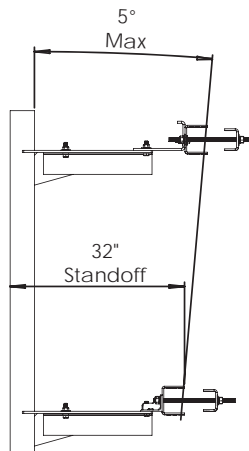
Application Data	
Fits Leg:	Round: Up to 16" OD
	60 deg angle: 2" to 12"
	90 deg angle: 2" to 16"
Slope:	Accommodates any typical slope
Azimuth:	Not applicable
Material:	Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1704KTL-463	Taper Adjust Pipe Mnt, Large leg w/4-1/2" OD, 5' pipe	Each	118.1

Pipe/Dish Mount, Slider Taper 2' Stand-off Mount for Microwave Dish

T1704KT3A

Application Data	
Fits Leg:	Round: 1-1/2" OD to 8-1/2" OD
	60 deg angle: 2" to 8-1/2"
	90 deg angle: 2" to 6"
Slope:	Accommodates any typical slope
Azimuth:	Not applicable
Material:	Galvanized Steel



Part No	Description	UOM	Wt (lbs)
T1704KT3A	2' Stand-off Mount for Microwave Dish	Each	263.8

Universal Stand-Off Brackets

T1309MT

Application Data

Fits Leg: Adapts to any size with the use of pipe to pipe clamps/adapters purchased separately

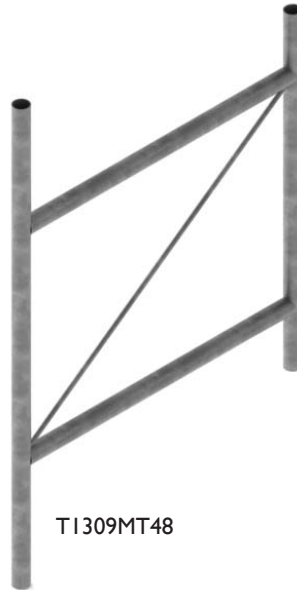
Slope: Leg attachment hardware will allow for almost any slope

Azimuth: Swivels to obtain proper azimuth

*Stiff Arm (T1305KTU) assembly optional

* Mounting Hardware Sold Separately

• Ideal for panel antennas



T1309MT48



T1309MT12

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1309MT12	12" stand-off, 2-3/8" OD 70" Mounting Pipe	Each	42.0
T1309MT24	24" stand-off, 2-3/8" OD 70" Mounting Pipe	Each	52.5
T1309MT36	36" stand-off, 2-3/8" OD 70" Mounting Pipe	Each	60.5
T1309MT48	48" stand-off, 2-3/8" OD 70" Mounting Pipe	Each	68.6

Heavy Duty Stand-Off Brackets

T1302MT

Application Data

Fits Leg: Fits almost any size with the use of pipe to pipe clamps/adapters sold separately

Slope: Leg attachment hardware will allow for almost any slope

Azimuth: Swivels to obtain proper azimuth

* Mounting Hardware Sold Separately



T1302MT72



T1302MT48

*Stiff Arm (T1305KT) assembly optional

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1302MT48	48" Stand-off, 2-7/8" OD 38.0" Mounting Pipe	Each	85.0
T1302MT72	72" Stand-off, 2-7/8" OD 42.5" Mounting Pipe	Each	110.0

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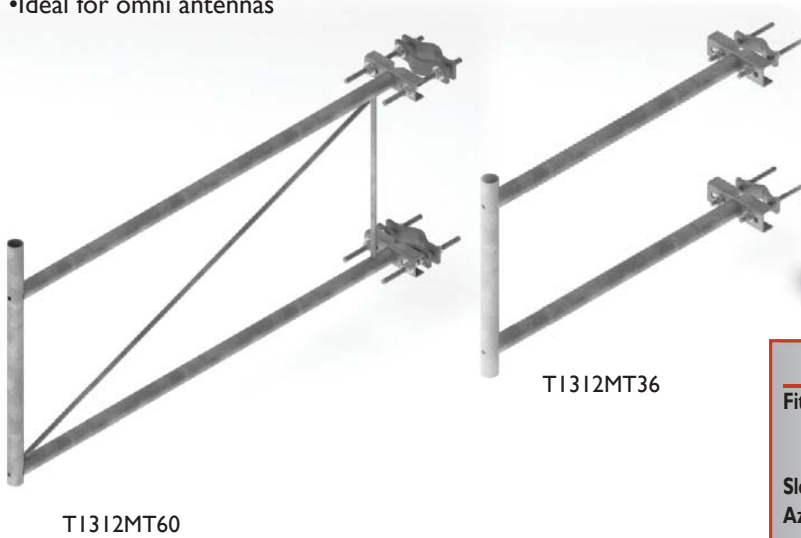
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LATTICE TOWER ANTENNA MOUNTS



Stand-Off Brackets

•Ideal for omni antennas



T1312MT

Application Data

Fits Leg: Round: 1" OD to 5-3/4" OD
 60 deg angle: 2" to 5-3/4"
 90 deg angle: 2" to 3-1/2"

Slope: Accommodates up to 7 degree slope

Azimuth: Swivels at leg to obtain proper azimuth on straight leg

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Stand-off Bracket for 1" OD to 5-3/4" OD or 5-3/4" Angle Leg			
T1312MT24	24" stand-off, 1.9" OD x 24" Mounting Pipe	Each	25.0
T1312MT36	36" stand-off, 1.9" OD x 24" Mounting Pipe	Each	30.0
T1312MT48	48" stand-off, 1.9" OD x 32-1/2" Mounting Pipe	Each	42.0
T1312MT60	60" stand-off, 1.9" OD x 32-1/2" Mounting Pipe	Each	48.0
T1312MT72	72" stand-off, 1.9" OD x 32-1/2" Mounting Pipe	Each	53.0
T1305KTU	Stiff Arm Assembly (Optional, not shown)	Each	52.7

Pipe Mounts

T1708KT

Application Data

- Typically used with T1602, T1603, T1652, T1651 type mounts
- Kits include: 2 angles, 4 u-bolts
- Connect 2-3/8 up to 2-7/8 pipe



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Typically used with T1602, T1603, T1650 and T1651 type mounts			
T1708KTA	Pipe mount - 2-3/8 - 2-3/8	Kit of 2	14.6
T1708KT1A	Pipe mount - 2-3/8 - 2-7/8	Kit of 2	29.2
T1708KT3A	Pipe mount - 2-7/8 - 2-7/8	Kit of 2	32.9

Universal Dish and Pipe Mount

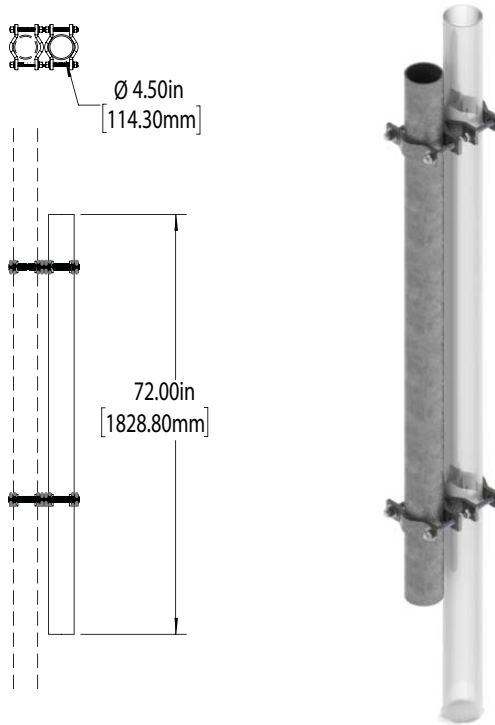
T1300KT

Application Data

Fits Leg: Adapts to any size with the use of pipe to pipe clamps/adapters purchased separately

Slope: Leg attachment hardware will allow for almost any slope

Azimuth: Swivels to obtain proper azimuth



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1300KT	Universal dish, pipe mount with 4-1/2" OD pipe, 6' long	Each	78.0

Universal Dish and Pipe Mount Heavy Duty

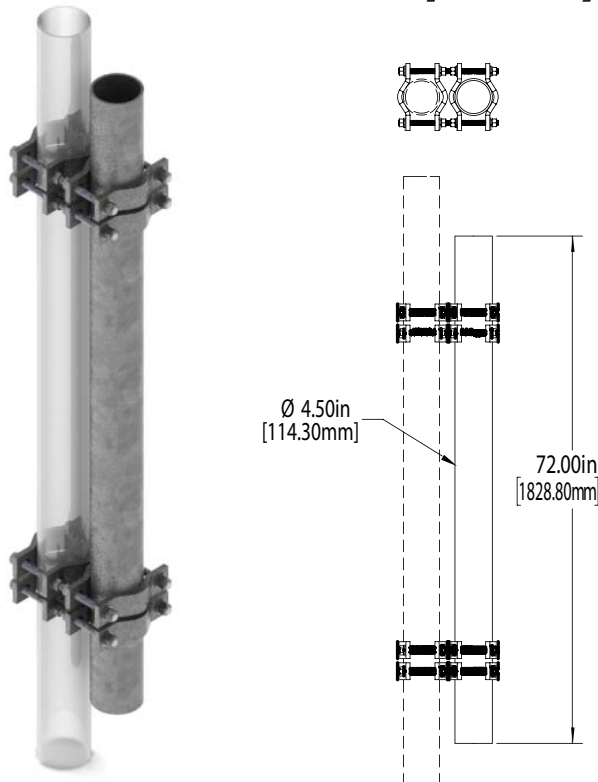
T1300KT-HD

Application Data

Fits Leg: Fits almost any size with the use of pipe to pipe clamps/adapters sold separately

Slope: Leg attachment hardware will allow for almost any slope

Azimuth: Swivels to obtain proper azimuth



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1300KT-HD	Universal dish HD pipe mount w/ 6', 4-1/2" OD pipe, 6' long	Each	93.0

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LATTICE TOWER ANTENNA MOUNTS



Steel Pipe



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
3-1/2" OD			
PI200KT4	48" long	Each	30.3
PI200KT5	60" long	Each	37.8
PI200KT6	72" long	Each	45.4
PI200KT7	90" long	Each	55.2
PI200KT8	96" long	Each	60.5
PI200KT10	120" long	Each	75.7
PI200KT10.5	126" long	Each	55.8
PI200KT12	144" long	Each	90.8
PI200KT12.5	150" long	Each	94.6
PI200KT13	156" long	Each	98.4
PI200KT14	168" long	Each	106.0
PI200KT14.5	174" long	Each	109.8
PI200KT15	180" long	Each	113.6
PI200KT16	192" long	Each	121.1
PI200KT18	216" long	Each	136.3
PI200KT20	240" long	Each	151.4
PI200KT21	252" long	Each	159.0
PI200KT24	288" long	Each	181.7
4-1/2" OD			
PI500KT3	36" long	Each	32.2
PI500KT4	48" long	Each	42.9
PI500KT5	60" long	Each	53.7
PI500KT6	72" long	Each	64.7
PI500KT8	96" long	Each	85.9
PI500KT9	108" long	Each	96.5
PI500KT14	168" long	Each	151.1
PI500KT21	252" long	Each	226.6

Steel Pipe (continued)



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
1-5/8" OD			
PI050KT8	96" long	Each	18.2
PI050KT10.5	126" long	Each	23.9
PI050KT12	144" long	Each	27.3
1-7/8" OD			
PO100KT12.5	150" long	Each	35.0
2-3/8" OD			
PI000KT2	24" long	Each	7.3
PI000KT3	36" long	Each	10.9
PI000KT4	48" long	Each	14.0
PI000KT5	60" long	Each	18.3
PI000KT5.5	63" long	Each	19.1
PI000KT6	72" long	Each	21.0
PI000KT7	84" long	Each	24.5
PI000KT8	96" long	Each	28.0
PI000KT9	108" long	Each	31.5
PI000KT9.5	114" long	Each	33.3
PI000KT10	120" long	Each	36.3
PI000KT10.5	126" long	Each	36.8
PI000KT12.5	150" long	Each	43.8
PI000KT14.5	174" long	Each	52.7
PI000KT16	192" long	Each	56.0
2-7/8" OD			
PI090KT8	96" long	Each	40.2
PI090KT10.5	126" long	Each	52.7
PI090KT13	156" long	Each	65.3
PI090KT14	168" long	Each	70.3

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LATTICE TOWER ANTENNA MOUNTS



LATTICE TOWER ANTENNA MOUNTS

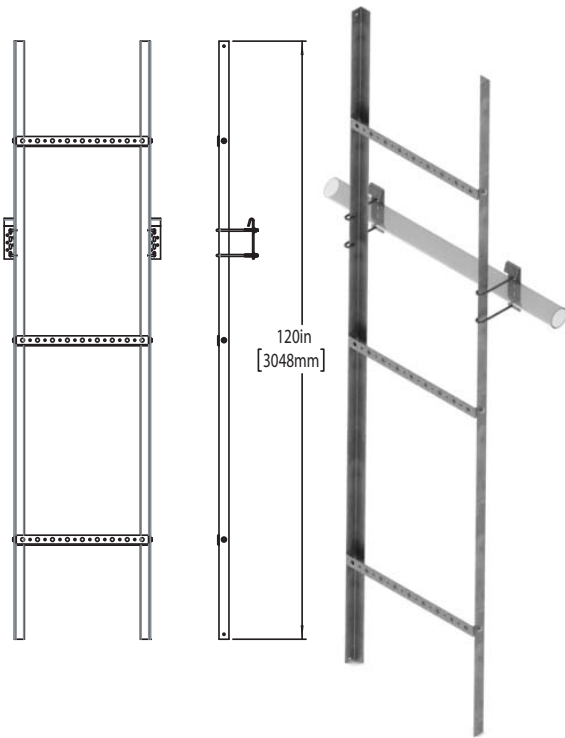
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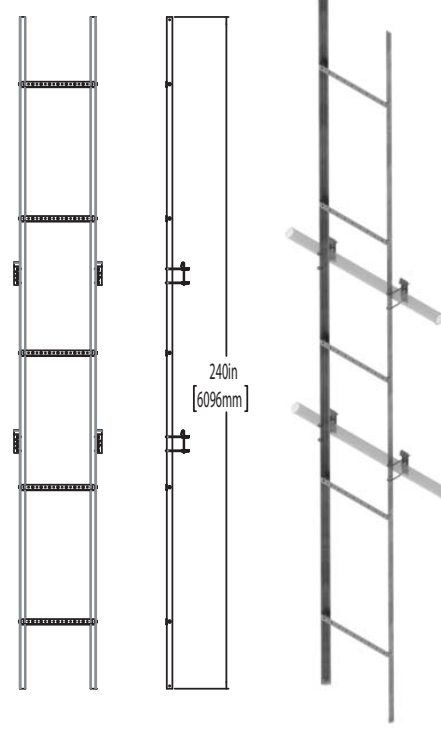


Cable Ladder

10' Cable Ladder



20' Cable Ladder



Part No	Description	UOM	Wt (lbs)
10 ft Long Cable Ladder, 3 Rungs, Bolt Together			
T3501KT12-4	12" wide, 4 runs	10 ft	37.3
T3501KT18-6	18" wide, 6 runs	10 ft	39.3
T3501KT27-9	27" wide, 9 runs	10 ft	42.3
T3501KT36-12	36" wide, 12 runs	10 ft	45.2
T3501KT43-15	43" wide, 15 runs	10 ft	47.7

10 ft Long Cable Ladder, 3 Rungs, Bolt Together with universal attachment hardware included			
T3501KT12-4J	12" wide, 4 runs, includes (1) set of attachment hardware	10 ft	41.7
T3501KT18-6J	18" wide, 6 runs, includes (1) set of attachment hardware	10 ft	43.6
T3501KT27-9J	27" wide, 9 runs, includes (1) set of attachment hardware	10 ft	46.6
T3501KT36-12J	36" wide, 12 runs, includes (1) set of attachment hardware	10 ft	49.6
T3501KT43-15J	43" wide, 15 runs, includes (1) set of attachment hardware	10 ft	52.0

20 ft Long Cable Ladder, 5 Rungs, Bolt Together			
T3500KT12-4	12" wide, 4 runs	20 ft	70.7
T3500KT18-6	18" wide, 6 runs	20 ft	74.0
T3500KT27-9	27" wide, 9 runs	20 ft	79.0
T3500KT36-12	36" wide, 12 runs	20 ft	83.9
T3500KT43-15	43" wide, 15 runs	20 ft	88.0

20 ft Long Cable Ladder, 5 Rungs, Bolt Together with universal attachment hardware included			
T3500KT12-4J	12" wide, 4 runs, includes (2) sets of attachment hardware	20 ft	79.4
T3500KT18-6J	18" wide, 6 runs, includes (2) sets of attachment hardware	20 ft	82.7
T3500KT27-9J	27" wide, 9 runs, includes (2) sets of attachment hardware	20 ft	87.7
T3500KT36-12J	36" wide, 12 runs, includes (2) sets of attachment hardware	20 ft	92.6
T3500KT43-15J	43" wide, 15 runs, includes (2) sets of attachment hardware	20 ft	96.7

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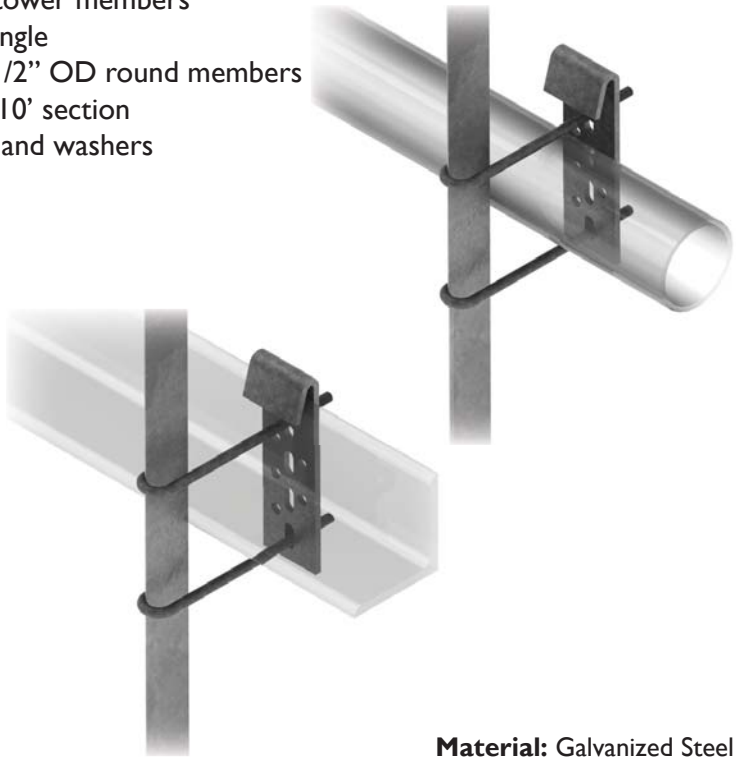
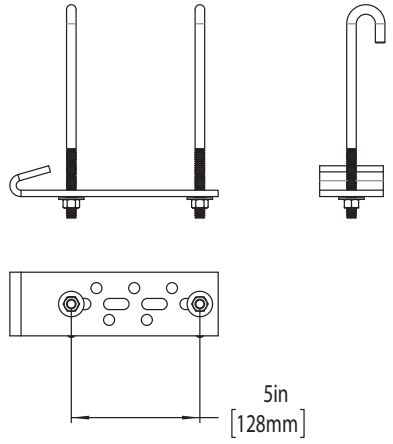
LATTICE TOWER CABLE SUPPORT



C.I

Cable Ladder Mounting Kit

- Used to attach cable ladder to tower members
- Angle attachments fit 2" to 5" angle
- Round attachments fit 1" to 4-1/2" OD round members
- At least 1 kit must be used per 10' section
- Kit includes: j-clips, j-bolts, nuts, and washers



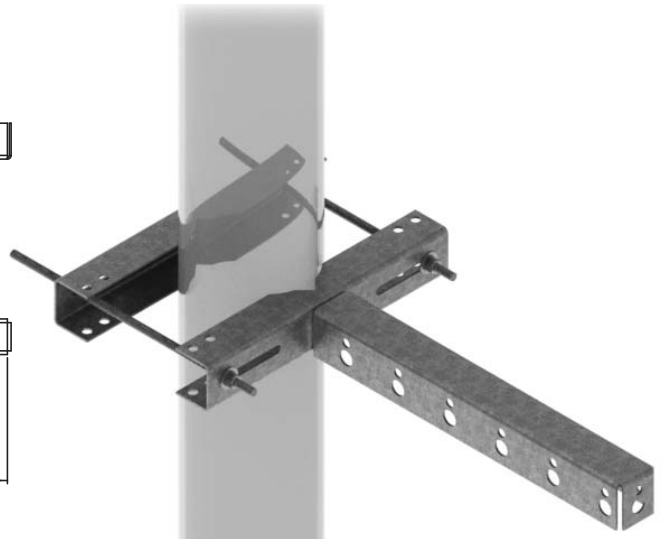
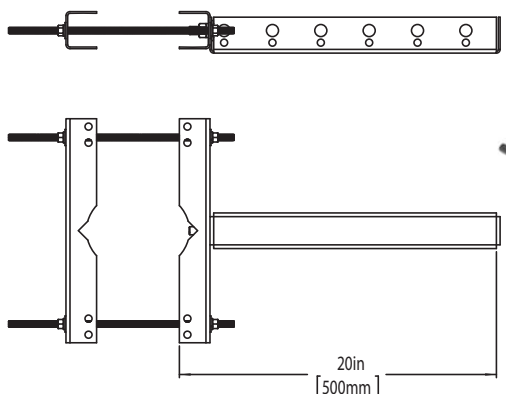
T9922KTA

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Universal Cable Ladder Attachment Kit			
T9922KTA	2 j-clips, 4 j-bolts, nuts and washers	Each	5.0

Universal T-Bracket

- Tee style supports cable inside or outside tower leg
- Tee style accommodates 13 runs using snap-in or butterfly hangers



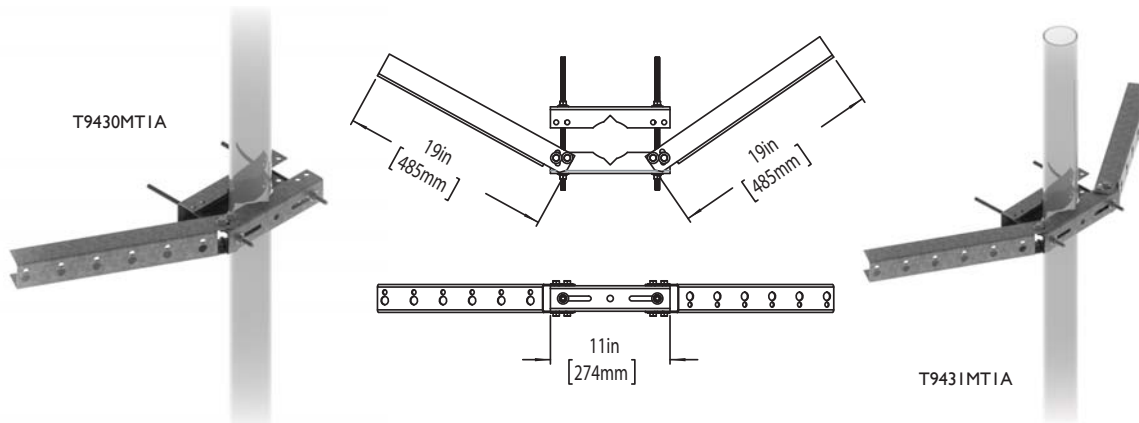
T9433MT

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9433MT2A	Holds 13 runs, fits 1-1/2" to 5-1/2" OD leg or 2-1/2" to 5" angle	Each	8.8
T9433MT3A	Holds 13 runs, fits 1-1/2" to 10-3/4" OD leg or 2-1/2" to 8" angle	Each	10.2

Universal Face Bracket

- Face styles support cable along the face(s) of the tower
- Face style accommodates 6 runs along each face using snap-in or butterfly hangers



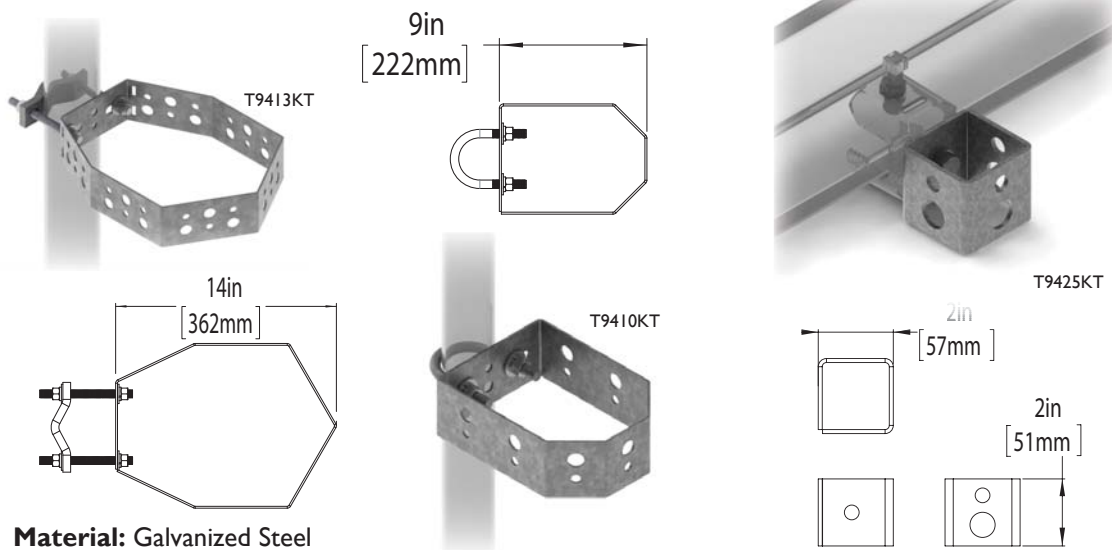
T9430MT & T9431MT

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9430MT1A	Single face holds 6 runs, fits 1-1/2" to 5-1/2" OD leg or 2-1/2" to 5" angle	Each	8.8
T9430MT2A	Single face holds 6 runs, fits 1-1/2" to 10-3/4" OD leg or 2-1/2" to 8" angle	Each	9.7
T9431MT1A	Double face holds 12 runs, fits 1-1/2" to 5-1/2" OD leg or 2-1/2" to 5" angle	Each	13.6
T9431MT2A	Double face holds 12 runs, fits 1-1/2" to 10-3/4" OD leg or 2-1/2" to 8" angle	Each	14.5

Cluster Support Bracket

- Cluster Support Brackets allow cable to run inside or outside brackets.
- All brackets are punched with both holes for snap-ins.
- Standard version holds up to 7 runs of cable.
- Large version holds up to 18 runs of cable and even more when lines are stacked.
- All brackets can be used with a variety of mounting methods; round member attachment, U-bolts, and angle adapters are purchased separately.



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9410KT	Holds 7 runs	Each	3.0
T9413KT	Holds 18 runs	Each	4.0
T9425KT	Holds 3 runs	Kit of 10	5.0

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LATTICE TOWER CABLE SUPPORT



C.3



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LATTICE TOWER CABLE SUPPORT

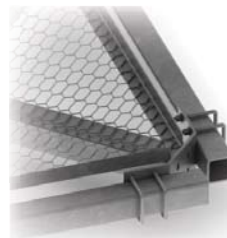
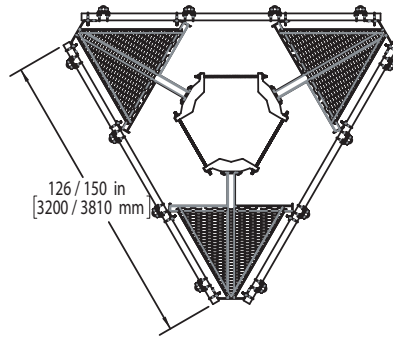
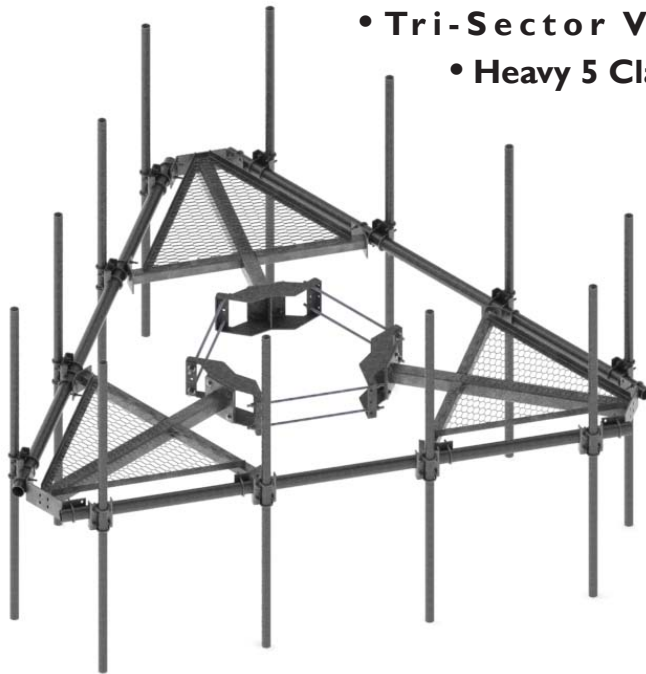


C.4

Family Owned Veteran Enterprise since 1980

Monopole Platform

- Tri-Sector Version
- Heavy 5 Class



*Also available with Square Tubes

SHOWN: T1510KT12B-1296-M
Platform with Pipe Face,
12'6" face width and (12) 96" Antenna Pipes
& 10"-48" ring mount

* Handrail available

T1510KT & T1512KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon

Material: Galvanized Steel

Azimuth: Fixed sectors, must be 120 degrees apart

Wind Loading and Engineering Data

Wind Ratings:

Load Per Sector at specified wind rating:
 V = 130 mph
 z = 250 ft
 H = 500 ft max (SST or GT)
 Exposure C
 Structure class II
 Topo Category I
 ti 1/2" with $V_i = 40$ mph
 Wind direction Probability Factor:
 • 0.95 (Tubular Pole Structures)
 Gust Wind Effect Factor:
 • 1.1 (Pole Structures)
 ANSI/TIA-222-G-2-2009

Front $CaAa(ft^2) = 54.22$
 Side $CaAa(ft^2) = 35.58$

EPA of Base Unit (no antenna pipes)

Part Number	Face width	EPA Front (ft ²)	Wt. (lb)	EPA with 1/2" ice Front (ft ²)	Wt. (lb) with ice
T1510KT12B	12'6"	34.7	782.33	58.8	949.5
T1510KT14B*	14'6"	37.6	883.30	63.7	1050.7
(Without Handrail)					
T1510KT12B	12'6"	43.9	1016.93	75.6	1245.6
T1510KT14B*	14'6"	47.8	1130.92	82.4	1246.3
(P2STD Handrail)					
T1510KT12B	12'6"	45.1	1157.49	76.8	1276.2
T1510KT14B*	14'6"	49.2	1273.53	83.9	1392.6

Man rated for 500 lb. at 15 mph.

*Load Capacity may differ slightly

Mount Pipes per Sector	Bare Conditions			Iced Conditions					
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

PART NUMBER CONFIGURATION

T15 **KT** **B -** **-** **-**

10 = Pipe Face
12 = Square Tube Face

12 = 12'6" face width
14 = 14'6" face width

Enter number of antenna pipes (sum of all sectors)

Enter length of Antenna Pipe in inches.

Enter ring mount size.

NP = 0 antenna pipes

Leave blank if NP is entered.
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

S = Ring mount for 10" - 40" dia. pole
M = Ring mount for 10" - 48" dia. pole
L = Ring mount for 30" - 60" dia. pole
U = Ring mount for 10" - 60" dia. pole
NR = No ring mount

EXAMPLE: T1510KT12B-996-M

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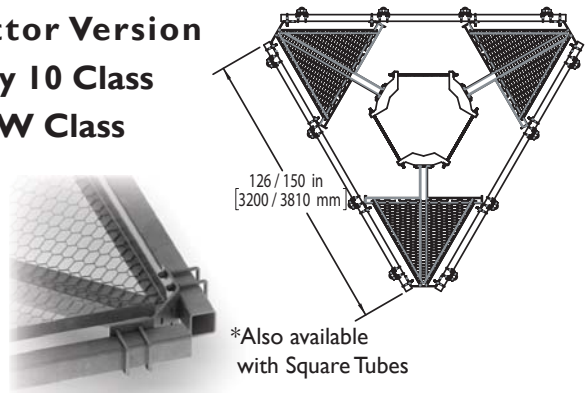
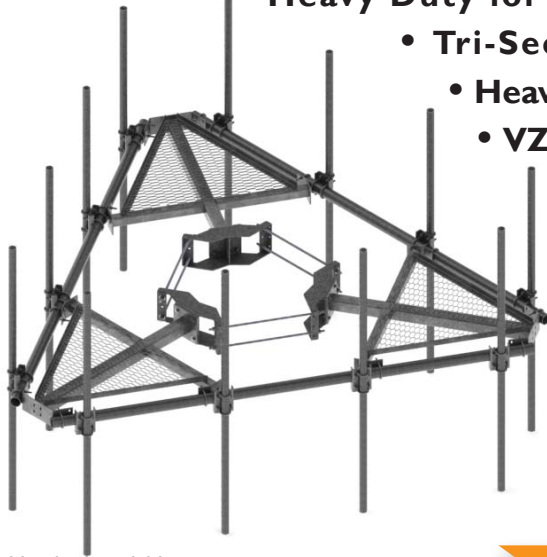
MONOPOLE ANTENNA MOUNTS



D.I

Monopole Platform

- Heavy Duty for Coastal Applications
- Tri-Sector Version
- Heavy 10 Class
- VZW Class



*Also available with Square Tubes

SHOWN: T1510KT12H-1296-M

Heavy Duty Platform with Pipe Face, 12'6" face width and (12) 96" Antenna Pipes & 10"-48" ring mount

* Handrail available

T1510KT & T1512KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Fixed sectors, must be 120 degrees apart

Material: Galvanized Steel

Wind Loading and Engineering Data

EPA of Base Unit (no antenna pipes)

Load Per Sector at specified wind rating:

Front CaAa(ft²)= 54.22
 Side CaAa(ft²)= 35.58

*Load Capacity may differ slightly

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1510KT12H	12'6"	34.7	889.79	58.8	987.5
T1510KT14H*	14'6"	37.6	1010.27	63.7	1050.7
T1510KT12H	12'6"	43.9	1118.60	75.6	1224.6
T1510KT14H*	14'6"	47.8	1130.92	82.4	1246.3
T1510KT12H	12'6"	45.1	1259.16	76.8	1377.2
T1510KT14H*	14'6"	49.2	1273.53	83.9	1392.6

This mount is rated and approved for HEAVY 5 and HEAVY 10 carrier load

ANSI/TIA-222-G
 V = 140 mph
 z = 250 ft
 H = 400 ft max (SST or GT)
 Structure Class II

ti 1/2" with Vi = 40 mph
 Wind direction probability factor:
 *0.95 (Latticed Structures)
 Exposure C (Rev G or H)
 Topo Category I

This mount is rated and approved for M1400R-4[6] & M1250R(i)-4[6]

TIA-222-G-4
 V = 140 mph
 z = 250 ft
 H = 400 ft max (SST or GT)
 Structure Class or Risk I or II

ti 1/2" with Vi = 40 mph
 Wind direction probability factor:
 *0.95 (Latticed Structures)
 Exposure B or C
 Topo Category I

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	120	15.0	15.0	663	60	1.0	24.0	24.0	1325

REQUIRED MOUNT CLASSIFICATION	
Bare	Iced
M1400R-4[6]	M1250R(i)-4[6]

PART NUMBER CONFIGURATION

T15 **KT** **H -** - -

10 = Pipe Face
 12 = Square Tube Face

12 = 12'6" face width
 14 = 14'6" face width

Enter number of antenna pipes (sum of all sectors)
 NP = 0 antenna pipes

Enter length of Antenna Pipe in inches.
 Leave blank if NP is entered.
 48 = 48" 60 = 60"
 72 = 72" 96 = 96"
 108 = 108" 126 = 126"

Enter ring mount size.

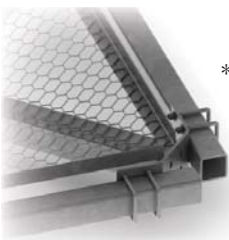
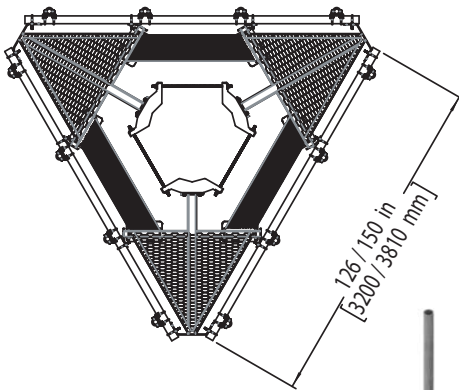
S = Ring mount for 10" - 40" dia. pole
 M = Ring mount for 10" - 48" dia. pole
 L = Ring mount for 30" - 60" dia. pole
 U = Ring mount for 10" - 60" dia. pole
 NR = No ring mount

EXAMPLE: T1510KT12H-996-M

Monopole Platform

• Surround Grating Version

• Heavy 5 Class



*Also available with Square Tubes T1518KT Series



SHOWN: T1509KT12-1296-M Platform with Pipe Face, 12'6" face width and (12) 96" Antenna Pipes & 10"-48" ring mount

* Handrail available

T1509KT & T1518KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon

Material: Galvanized Steel

Azimuth: Fixed sectors, must be 120 degrees apart

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
• 0.95 (Tubular Pole Structures)
Gust Wind Effect Factor:
• 1.1 (Pole Structures)
ANSI/TIA-222-G-2-2009

Typical Load per sector: Front CaAa(ft²) = 54.22
Side CaAa(ft²) = 35.58

EPA of Base Unit (no antenna pipes)

Calculations are for entire mount (all 3 sectors)

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1509KT12	12'6"	24.75	825.6	33.28	1103.4
T1509KT14	14'6"	26.43	974.5	35.27	1267.0

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

Man rated for 500 lb. at 15 mph.

PART NUMBER CONFIGURATION

T15

KT

09 = Pipe Face
18 = Square Tube Face

12 = 12'6" face width
14 = 14'6" face width

Enter number of antenna pipes (sum of all sectors)
NP = 0 antenna pipes

Enter length of Antenna Pipe in inches.
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

Enter ring mount size.

S = Ring mount for 10" - 40" dia. pole
M = Ring mount for 10" - 48" dia. pole
L = Ring mount for 30" - 60" dia. pole
U = Ring mount for 10" - 60" dia. pole
Blank = No ring mount

EXAMPLE: T1509KT12-996-M

888.439.0500

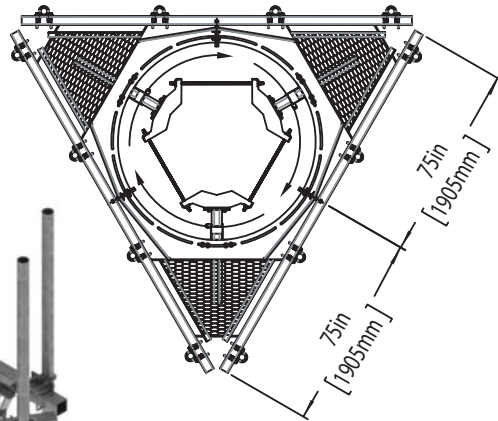
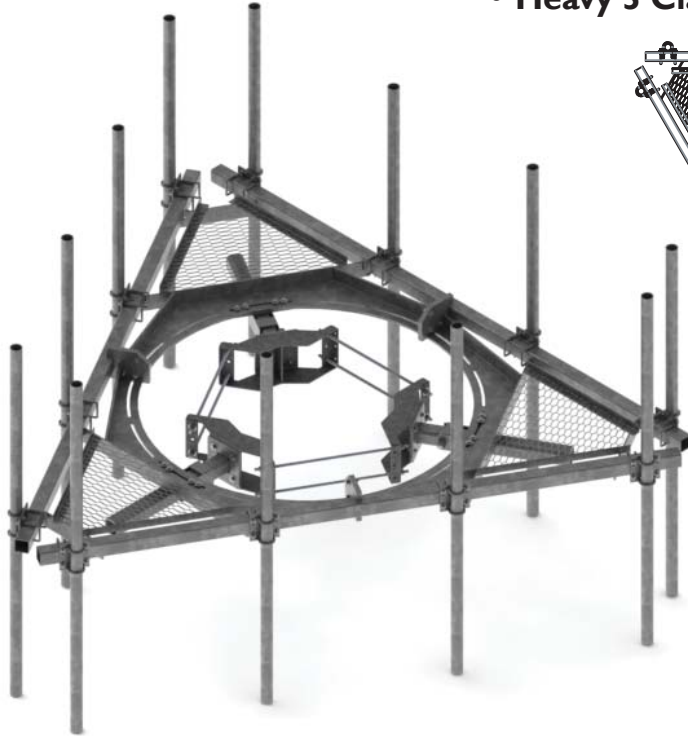
www.kenwoodtelecom.com

MONOPOLE ANTENNA MOUNTS



Monopole Platform

- Adjustable Azimuth
- Heavy 5 Class



* After installation, mount can be manually rotated.

SHOWN: T1513KT-1296-M
Adjustable Platform with Sq Tube Face, with (12) 96" Antenna Pipes & 10"-48" ring mount

* Handrail available

T1513KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon

*The rotation feature simplifies drive testing and antenna orientation

Azimuth: Sectors must be 120 degrees apart, platform rotates while mounted to change azimuth orientation

Material: Galvanized Steel

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
•0.95 (Tubular Pole Structures)
Gust Wind Effect Factor:
•1.1 (Pole Structures)
ANSI/TIA-222-G-2-2009

Load Per Sector at specified wind rating:

Front CaAa(ft²) = 54.22

Side CaAa(ft²) = 35.58

EPA of Base Unit (no antenna pipes)

Calculations are for entire mount (all 3 sectors)

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1513KT	12'6"	16.68	891.9	22.19	1061.8

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (c) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

Man rated for 500 lb. at 15 mph.

PART NUMBER CONFIGURATION

T1513KT -



Enter number of antenna pipes (sum of all sectors)

Leave blank for no pipes



Enter length of Antenna Pipe in inches.

Leave blank for no pipes
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"



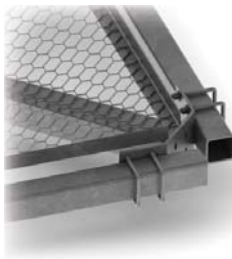
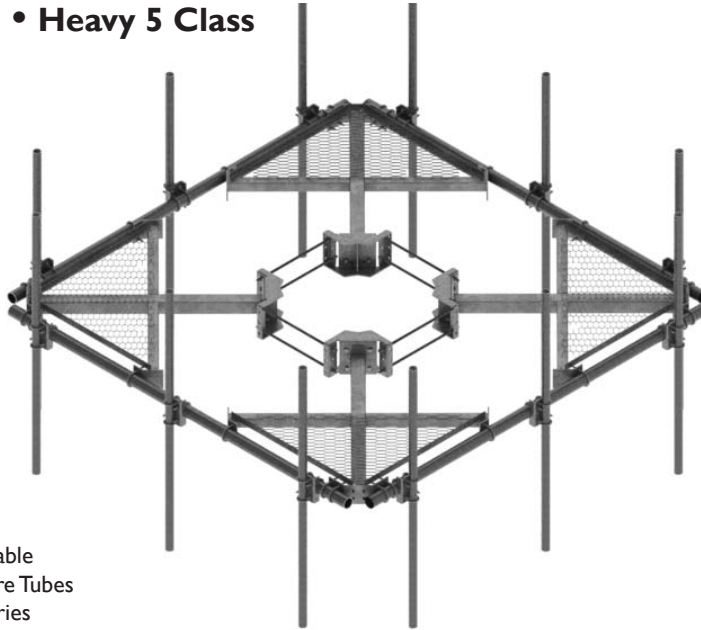
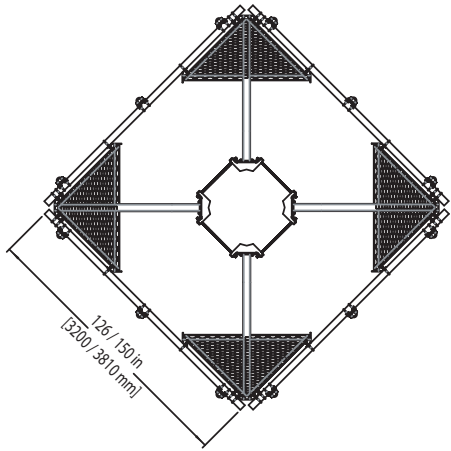
Enter ring mount size.

S = Ring mount for 10" - 40" dia. pole
M = Ring mount for 10" - 48" dia. pole
L = Ring mount for 30" - 60" dia. pole
U = Ring mount for 10" - 60" dia. pole
Blank = No ring mount

EXAMPLE: T1513KT-1296-M

Monopole Platform

- Quad-Sector Version
- Heavy 5 Class



*Also available with Square Tubes T1517 Series

SHOWN: T1508KT12-1296-M
Platform with Pipe Face, 12'6" face width and (12) 96" Antenna Pipes & 10"-48" ring mount

* Handrail available

T1508KT & T1517KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Fixed sectors, must be 120 degrees apart

Material: Galvanized Steel

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
• 0.95 (Tubular Pole Structures)
Gust Wind Effect Factor:
• 1.1 (Pole Structures)
ANSI/TIA-222-G-2-2009

Load Per Sector at specified wind rating:

Front CaAa(ft²) = 54.22
Side CaAa(ft²) = 35.58

EPA of Base Unit (no antenna pipes)

Calculations are for entire mount (all 3 sectors)

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1508KT10	10'6"	21.1	415.5	27.51	443.0
T1508KT12	12'6"	23.9	435.5	29.5	465.0

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

Man rated for 500 lb. at 15 mph.

PART NUMBER CONFIGURATION

T15

KT

08 = Pipe Face
17 = Square Tube Face

10 = 10'6" face width
12 = 12'6" face width

Enter number of antenna pipes (sum of all sectors)
NP = 0 antenna pipes

Enter length of Antenna Pipe in inches.
48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

Enter ring mount size.

S = Ring mount for 10" - 40" dia. pole
M = Ring mount for 10" - 48" dia. pole
L = Ring mount for 30" - 60" dia. pole
U = Ring mount for 10" - 60" dia. pole
Blank = No ring mount

EXAMPLE: T1508KT10-996-M

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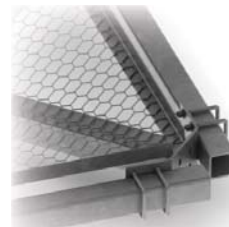
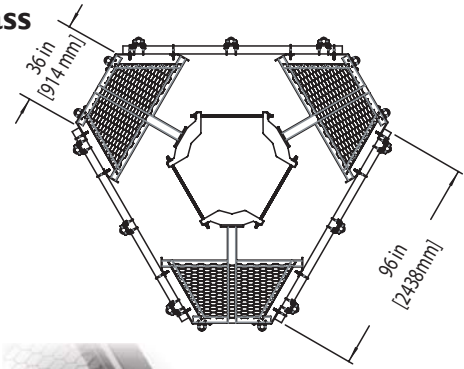
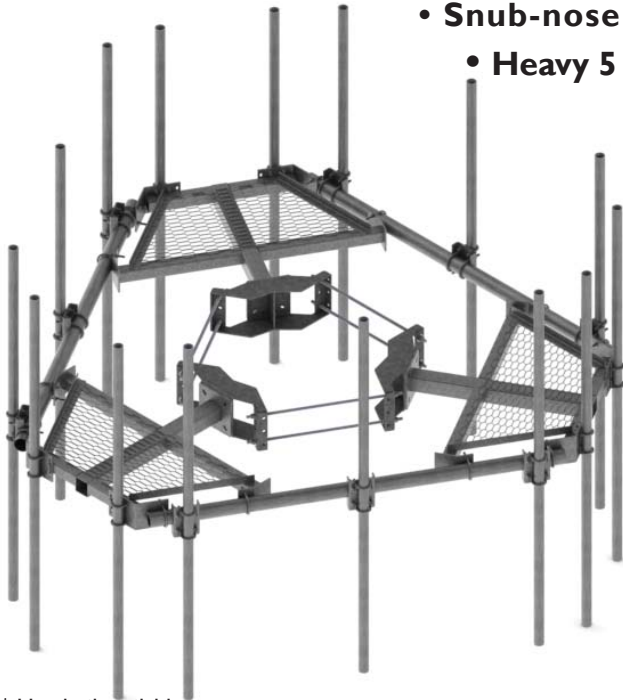
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MONOPOLE ANTENNA MOUNTS



Snub Nose Colocation Platform

- Versatile design provides option of up to six sectors
- Patented
- Snub-nose Version
- Heavy 5 Class



*Also available with Square Tubes T1507 Series

SHOWN: T1516KT-1596-M
Snub Nose Platform with Pipe Face,
(15) 96" Antenna Pipes, 10"-48" Ring mount

* Handrail available

T1516KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Fixed sectors

Material: Galvanized Steel

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
• 0.95 (Tubular Pole Structures)
Gust Wind Effect Factor:
• 1.1 (Pole Structures)
ANSI/TIA-222-G-2-2009

Load Per Sector at specified wind rating:

Front CaAa(ft²) = 54.22
Side CaAa(ft²) = 35.58

EPA of Base Unit (no antenna pipes)

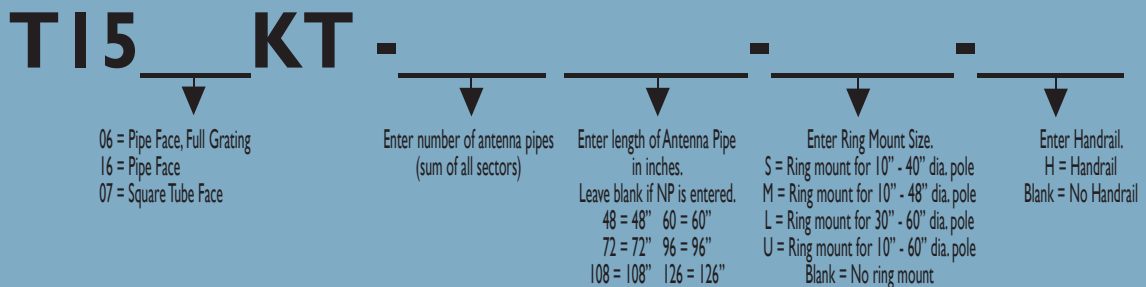
Calculations are for entire mount (all 6 sectors)

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with	
				1/2" ice Front(ft ²)	Wt. (lb) with ice
T1516KT	12'6"	28.96	827.5	33.85	861.4

Mount Pipes per Sector	Bare Conditions			Iced Conditions					
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)	
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

Man rated for 500 lb. at 15 mph.

PART NUMBER CONFIGURATION



EXAMPLE: T1516KT-996-M-H

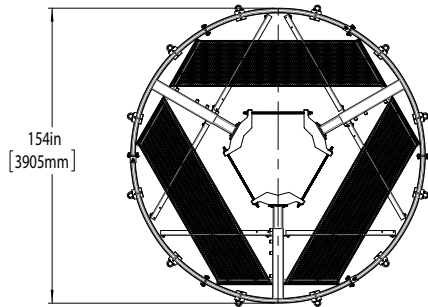
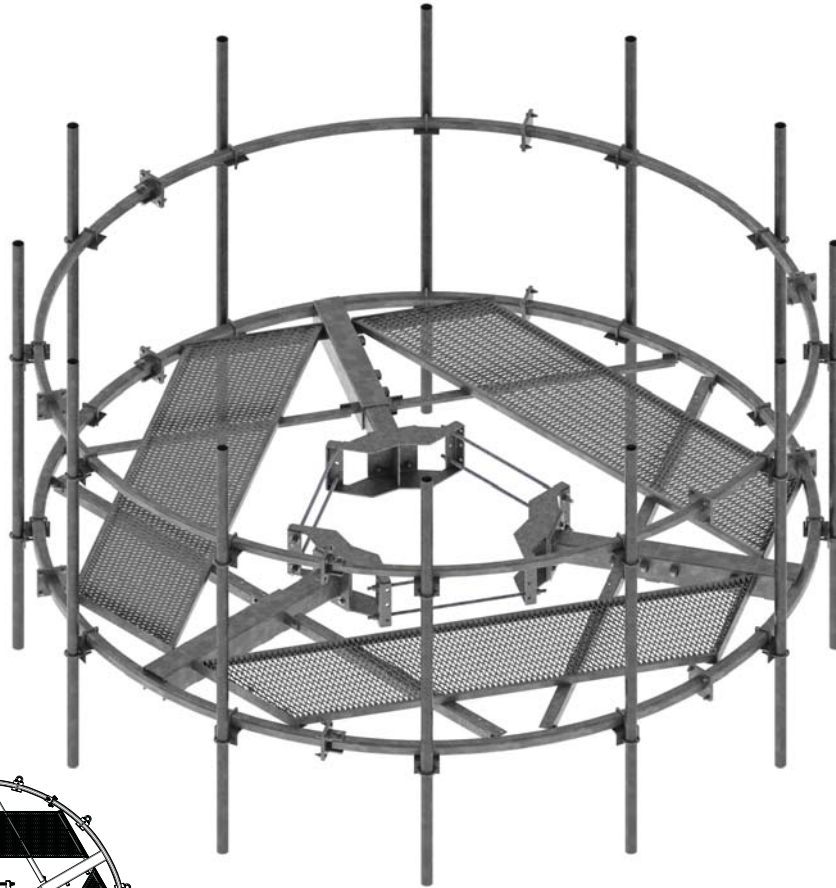
Monopole Platform w/ Handrail

• Circular Version

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MONOPOLE ANTENNA MOUNTS



- * Hardware included for (12) 2-3/8" OD Antenna Pipes
- * Antenna Pipes sold separately
- * Available for up to 60" OD Pole. Call for details.

SHOWN: T1515KT-H-M

T1515KT

Application Data

Fits Pole: 10" - 48" diameter round or polygon
Azimuth: Fixed sectors, must be 120 degrees apart

Material: Galvanized Steel

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
 z = 250 ft
 H = 500 ft max (SST or GT)
 Exposure C
 Structure class II
 Topo Category I
 ti 1/2" with Vi = 40 mph
 Wind direction Probability Factor:
 • 0.95 (Tubular Pole Structures)
 Gust Wind Effect Factor:
 • 1.1 (Pole Structures)
 ANSI/TIA-222-G-2-2009

Typical Load: Front CaAa(ft²) = 54.22
 Side CaAa(ft²) = 35.58

EPA of Base Unit (no antenna pipes)
 Calculations are for entire mount (all 3 sectors)

Part Number	Face width	EPA Front(ft ²)	Wt. (lb)	EPA with 1/2" ice Front(ft ²)	Wt. (lb) with ice
T1515KT-H-M	12'10"	62.6	1949	119.73	2442

Man rated for 500 lb. at 15 mph.

Part No	Description	UOM	Wt (lbs)
T1515KT-H-M	Circular platform w/ Handrail for monopole up to 48" dia.	Each	1949



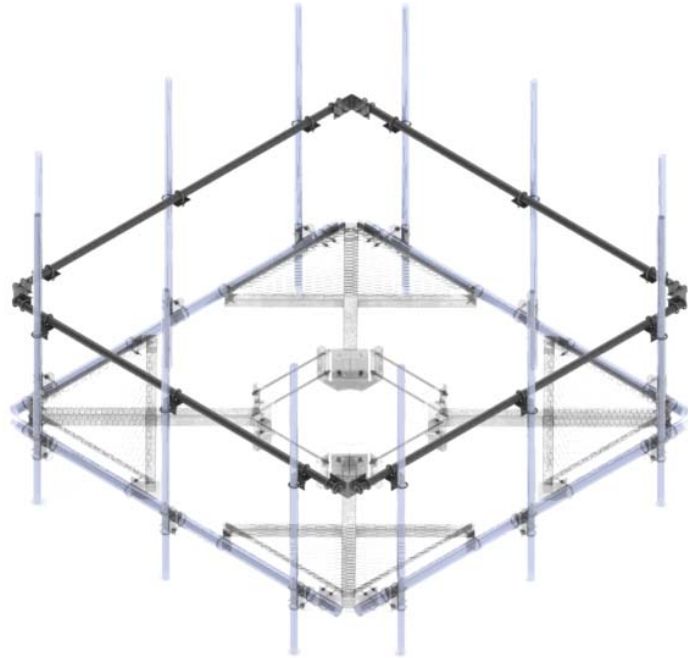
Bringing Great Products to the Wireless Industry

D.7

Monopole Platform Handrail

• Quad-Sector Version

T1511KT



Part No	Description	UOM	Wt (lbs)
T1511KT10QP	Upper support rail kit for 10' 6" platform, 2-3/8" Pipe	Each	230.0
T1511KT12QP	Upper support rail kit for 12' 6" platform, 2-3/8" Pipe	Each	371.0
T1511KT310QP	Upper support rail kit for 10' 6" platform, 2-7/8" Pipe	Each	360.0
T1511KT312QP	Upper support rail kit for 12' 6" platform, 2-7/8" Pipe	Each	429.0

Monopole Platform Handrail

• Tri-Sector Version

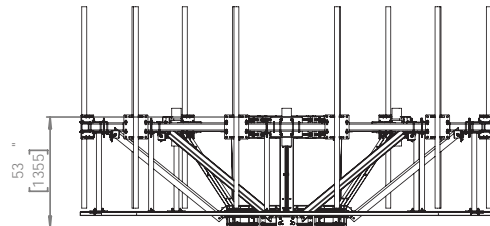
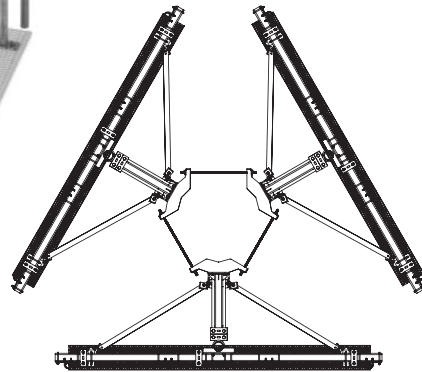
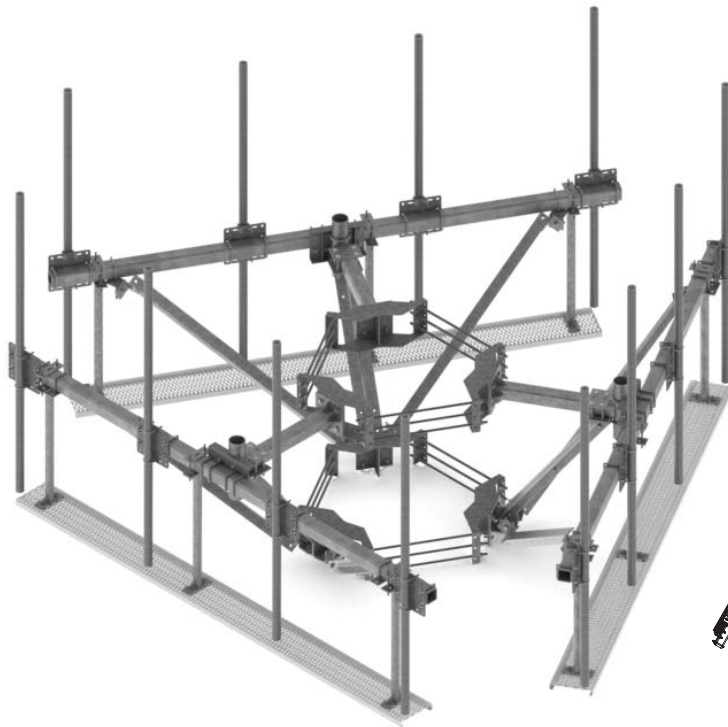
The Monopole Platform Handrail is added to our co-location platforms to provide extra safety for the platform area and also to provide a second attachment point for pipe mount kits. The handrail kit can be attached to mounting pipes regardless of separation. Kit includes three corner junction plates and twelve crossover plates. Platforms and antenna pipes are ordered separately. Material is galvanized steel.



Part No	Description	UOM	Wt (lbs)
T1511KT126P	Upper support rail kit for 12' 6" platform, 2-3/8" Pipe	Each	228.0
T1511KT146P	Upper support rail kit for 14' 6" platform, 2-3/8" Pipe	Each	247.0
T1511KT312P	Upper support rail kit for 12' 6" platform, 2-7/8" Pipe	Each	369.0
T1511KT314P	Upper support rail kit for 14' 6" platform, 2-7/8" Pipe	Each	390.0
T1511KT3512P	Upper support rail kit for 12' 6" platform, 3-1/2" Pipe	Each	389.0
T1511KT3514P	Upper support rail kit for 14' 6" platform, 3-1/2" Pipe	Each	413.0

Heavy Duty Reinforced 3-Sector T-Arm Mount

• VZW Class



* 2-7/8" Antenna Pipes
Sold Separately

SHOWN: Z2016KTA
T-Arm Mount with Square Tube Face,
12'6" face width and (12) 96" Antenna Pipes
& (2) 10"-48" ring mounts

Z2016KTA

Application Data

Fits Pole: 10" - 60" diameter round or polygon

Material: Galvanized Steel

Azimuth: Fixed sectors, must be 120 degrees apart

Wind Loading and Engineering Data

- Structure Height < 400 feet • Structure Class or Risk I or II
- Galvanized Steel, A 123
- Exposure Category B or C
- Topographic Category I
- Maximum 140 mph, 50-year return, 3-second gust basic wind speed
- Maximum 180 mph, ultimate 3-second wind speed based on risk category
- Maximum 1 inch, 50 year return design ice thickness
- Maximum 2 inch, ultimate design ice thickness based on risk category
- Maximum 60 mph basic wind speed occurring simultaneous with ice
- Factored wind pressure without ice at mounting elevation a (qz) (Gh) \leq 135 psf
- Factored ice thickness at mounting elevation $t_{iz} \leq$ 2.75 inches
- Factored wind pressure with ice at mounting elevation a (qz) (Gh) \leq 15 psf

*Load Capacity may differ slightly

Mount Certified for the
Following Mount Classes:

- M1400R-4[6]
- M1250R(i)-4[6]

Part No	Description	UOM	Wt (lbs)
Z2016KTA	Heavy Duty Reinforced 3-Sector T-Arm Mount	Each	2270.0

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MONOPOLE ANTENNA MOUNTS



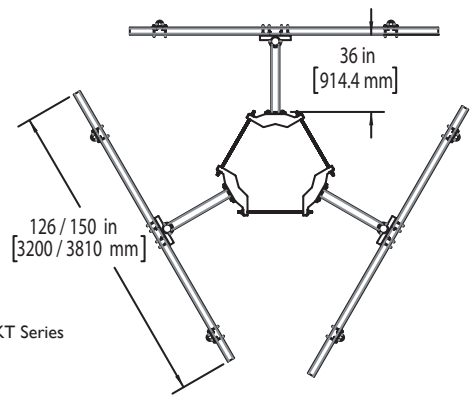
D.9

Tri-Sector T-Arm Pipe Support

- Easily swivels at face to obtain virtually any antenna azimuth



*Also available with Square Tubes
T1717KT and T1718KT Series



SHOWN: T1711KT36-972-L
Tri-Sector T-Arm Pipe Support, 12'6" face
and (9) 96" Antenna Pipes and 10"-60" ring mount

T1710KT & T1711KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Swivels at the face to obtain azimuth

• Face width is easily modified by cutting face pipe to accommodate any antenna diversity, 12'6" is standard

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
z = 250 ft
H = 500 ft max (SST or GT)
Exposure C
Structure class II
Topo Category I
ti 1/2" with Vi = 40 mph
Wind direction Probability Factor:
•0.95 (Tubular Pole Structures)
Gust Wind Effect Factor:
•1.1 (Pole Structures)
ANSI/TIA-222-G-2-2009

Typical Load: (4) 72" x 8" panel antennas (EPA of 5.87 sq ft each) or
(3) 96" x 12.5" panel antennas (EPA of 6.80 sq ft each)

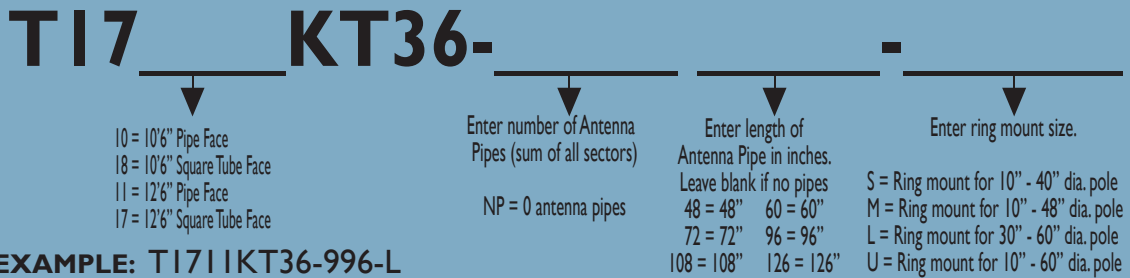
EPA of Base Unit (single sector and no antenna pipes)

Part Number	Face width	EPA		Wt. (lb)	EPA with 1/2" ice		Wt. (lb) with ice
		Front(ft ²)	Side(ft ²)		Front(ft ²)	Side(ft ²)	
T1711KT36	12' 6"	6.03	1.77	154.1	7.65	2.23	205.0

Man rated for 500 lb. at 15 mph.

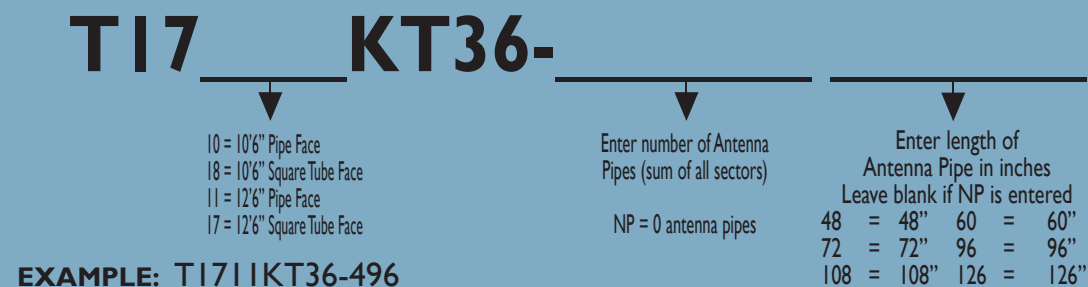
PART NUMBER CONFIGURATION

3 SECTOR PART NUMBER



PART NUMBER CONFIGURATION

SINGLE SECTOR PART NUMBER



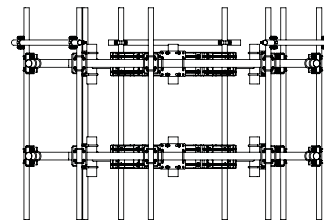
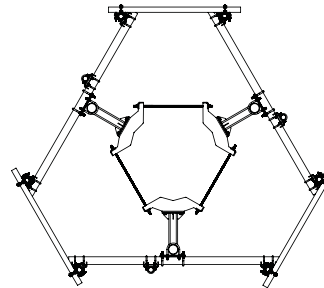
18" Double T-arm Assembly • Tri-Sector

* Excellent for Monopine Applications

T1720KT218

Application Data

Fits Leg: Pole: 10" - 60" diameter round or polygon
Material: Galvanized Steel



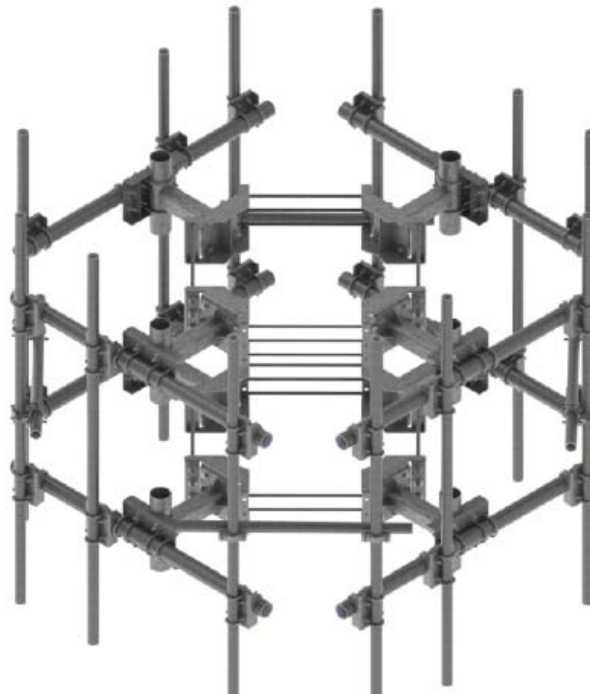
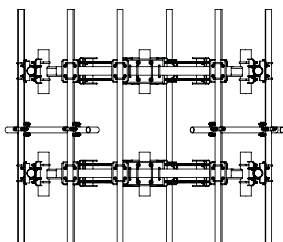
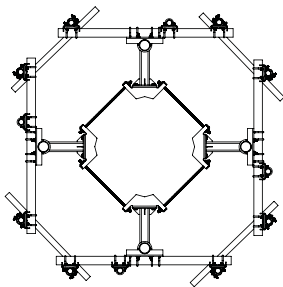
Part No	Description	UOM	Wt (lbs)
T1720KT218	18" Double T-Arm Assmebly, Tri-Sector	Each	1602

18" Double T-arm Assembly • Quad-Sector

T1723KT218

Application Data

Fits Leg: Pole: 10" - 60" diameter round or polygon
Material: Galvanized Steel



* Excellent for Monopine Applications

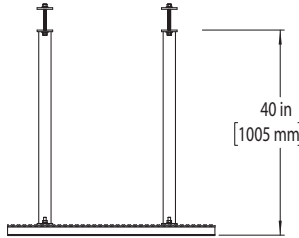
Part No	Description	UOM	Wt (lbs)
T1723KT218	18" Double T-Arm Assembly, Quad-Sector	Each	1930

Monopole Work Support

T1520KTA

Application Data

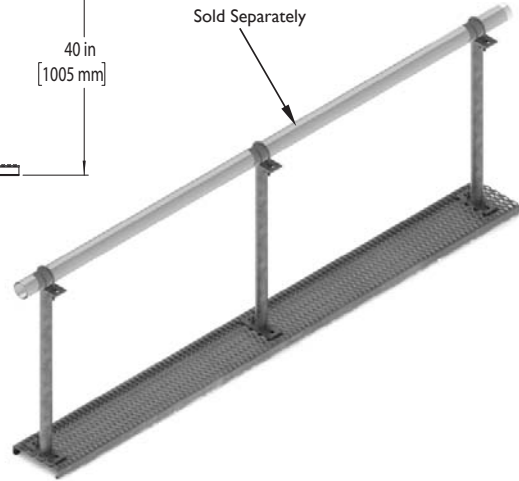
Used With: T1710, T1711, T1712, T1717, T1718
 Series Mounts
 Material: Galvanized Steel



T1521KTA

Application Data

Used With: T1710, T1711, T1717, T1718
 Series Mounts
 Material: Galvanized Steel



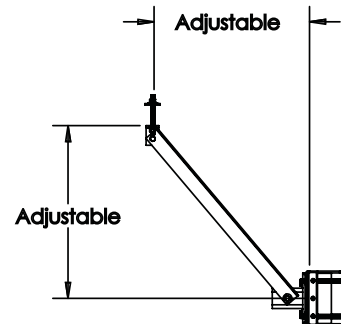
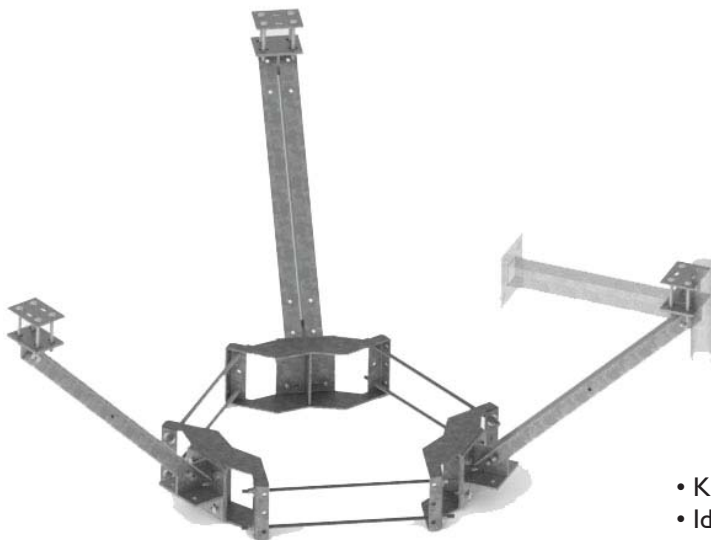
Part No	Description	UOM	Wt (lbs)
T1520KTA	Work support platform for T-arm, 40" Long	Each	70
T1521KTA	Pipe frame work support platform, 120" Long	Each	202
T1521KT4SQ	Grating plank kit for 4" sq tube, 12'	Each	202
T1521KT4SSQ	Grating plank kit for 4-1/2" sq tube, 12'	Each	202

T-Arm Stabilizer/Support Assembly

T1730KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
 Material: Galvanized Steel



- Kit includes 3 sectors and Ring Mount
- Ideal for Stabilizing and Supporting Existing Monopole Mount Applications
- Fits Round and Square T-Arm Structures

Part No	Description	UOM	Wt (lbs)
T1730KT-S	Stabilizer/Support Assembly with Ring Mount for up to 40"	Each	343.7
T1730KT-L	Stabilizer/Support Assembly with Ring Mount for up to 60"	Each	403.3

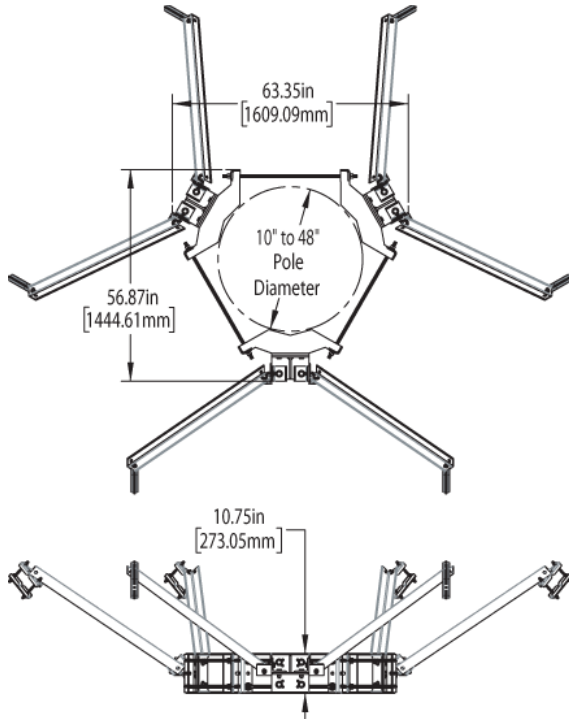
Sector Frame Reinforcement Kit 60" Stand-Off

Z2026KT3-M

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Material: Galvanized Steel

- Tower Leg Stand-Off Range: 30"-60"
- Face Pipe Range: 2-1/2" OD



Part No	Description	UOM	Wt (lbs)
Z2026KT3-M	Monopole Stabilizer Kit for 3 sectors	Eachq	433.5

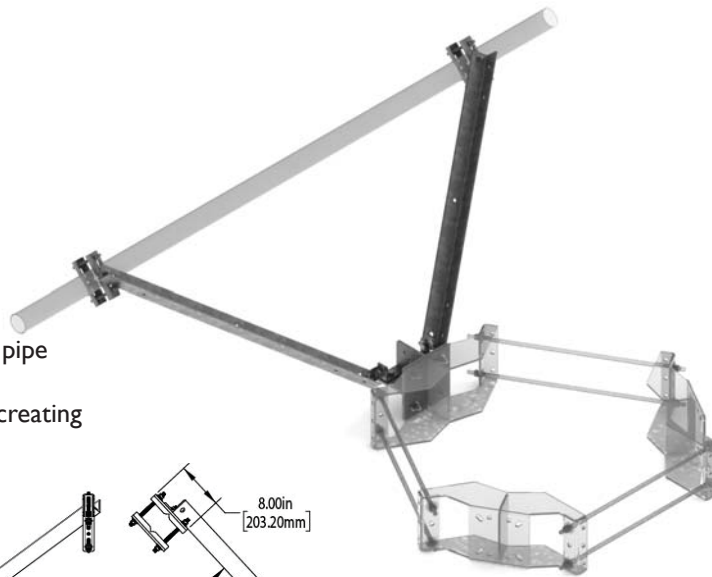
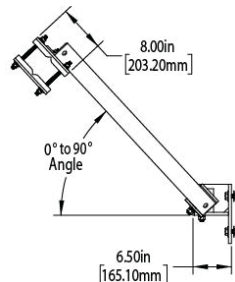
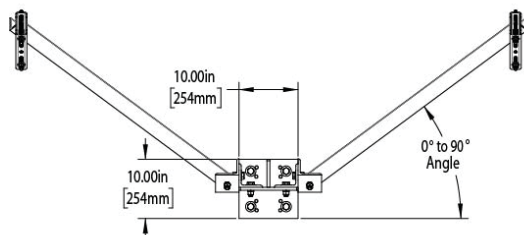
Stabilizer for Sector Frame/Stand-Off Arm

Z2026KT

Application Data

- Standard kit mounts to Ring Mount (sold separately).
- Adapts to most angles and stand-off distances with field cutting and drilling.

- Includes hardware to stabilize angle or pipe
- Includes angle to mount back to back creating 2x reinforcement if needed



Part No	Description	UOM	Wt (lbs)
Z2026KT	Stabilizer kit for sector frame/stand-off arm	Each	95.3

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MONOPOLE ANTENNA MOUNTS

KENWOOD
TELECOM

Stand-Off Arms

- Order antenna pipes separately
- Order ring mount separately



TI711KT12B
12" Stand-off



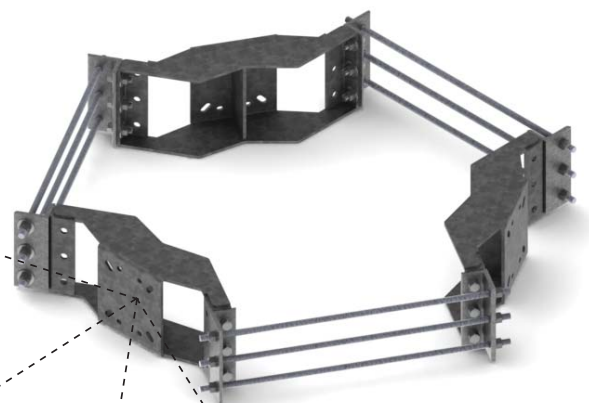
TI760KT16A
16" Stand-off



TI711KT24B
24" Stand-off



TI711KT40B
40" Stand-off



Material: Galvanized Steel

Note: Pipe sold separately

Wind Loading and Engineering Data

Typical Load: 11.25 ft² Per Sector

Wind Rating: 150 mph (3-sec gust, exposure C)
per IAW ANSI/TIA-222-G-2005 at 200' AGL

Man rated for 250 lb at 15 mph

Part No	Description	UOM	Wt (lbs)
TI760KT16A	16" stand-off, accepts 2-3/8" to 5-3/4" OD pipe	Each	43.0
TI711KT24B	24" stand-off, accepts 2-3/8" to 5-3/4" OD pipe	Each	55.0
TI711KT40B	40" stand-off, accepts 2-3/8" to 5-3/4" OD pipe	Each	70.0
TI711KT12B	12" stand-off, accepts 2-3/8" to 5-3/4" OD pipe	Each	39.8

Tri-Sector Universal Ring Mount

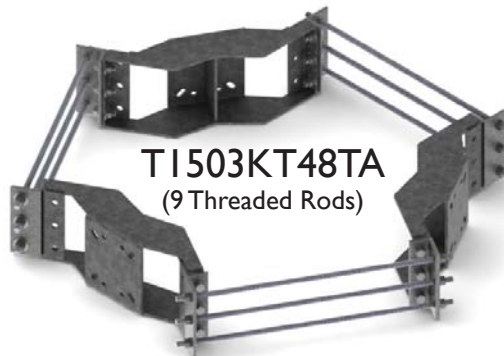
T1503KT



T1503KT40A
(6 Threaded Rods)

Application Data

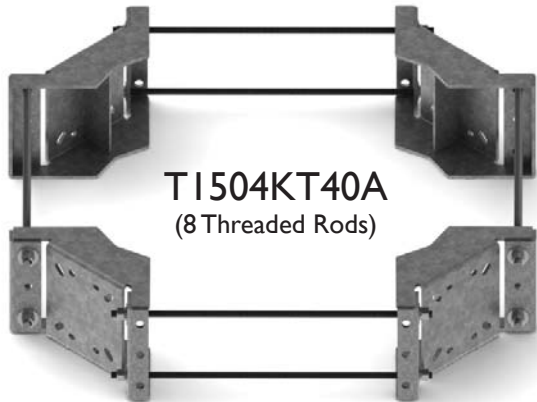
Fits Pole: 10" - 60" diameter round or polygon
Material: Galvanized Steel



T1503KT48TA
(9 Threaded Rods)

• Ring Mount utilizes 3/4" Galvanized Threaded Rod and hardware

Part No	Description	UOM	Wt (lbs)
6 Threaded Rods			
T1503KT40A	Fits 10" to 40" OD monopoles	Each	158.0
T1503KT48A	Fits 10" to 48" OD monopoles	Each	171.0
T1503KTUA	Fits 10" to 60" OD monopoles	Each	233.0
9 Threaded Rods			
T1503KT40TA	Fits 10" to 40" OD monopoles	Each	174.0
T1503KT48TA	Fits 10" to 48" OD monopoles	Each	182.0
T1503KTUTA	Fits 10" to 60" OD monopoles	Each	248.0

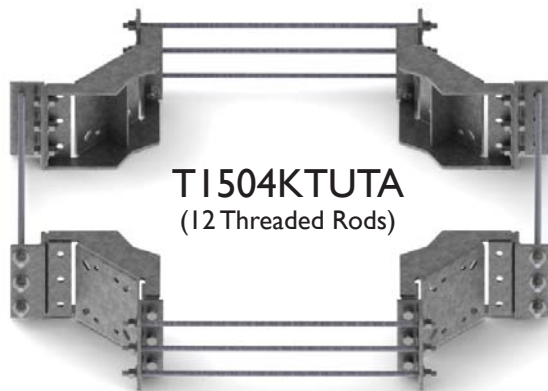


T1504KT40A
(8 Threaded Rods)

T1504KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Material: Galvanized Steel



T1504KTUTA
(12 Threaded Rods)

• Ring Mount utilizes 3/4" Galvanized Threaded Rod and hardware

Part No	Description	UOM	Wt (lbs)
8 Threaded Rods			
T1504KT40A	Fits 10" to 40" OD monopoles	Each	166.0
T1504KT48A	Fits 10" to 48" OD monopoles	Each	179.0
T1504KTUA	Fits 10" to 60" OD monopoles	Each	250.0
12 Threaded Rods			
T1504KT40TA	Fits 10" to 40" OD monopoles	Each	179.0
T1504KT48TA	Fits 10" to 48" OD monopoles	Each	212.0
T1504KTUTA	Fits 10" to 60" OD monopoles	Each	270.0

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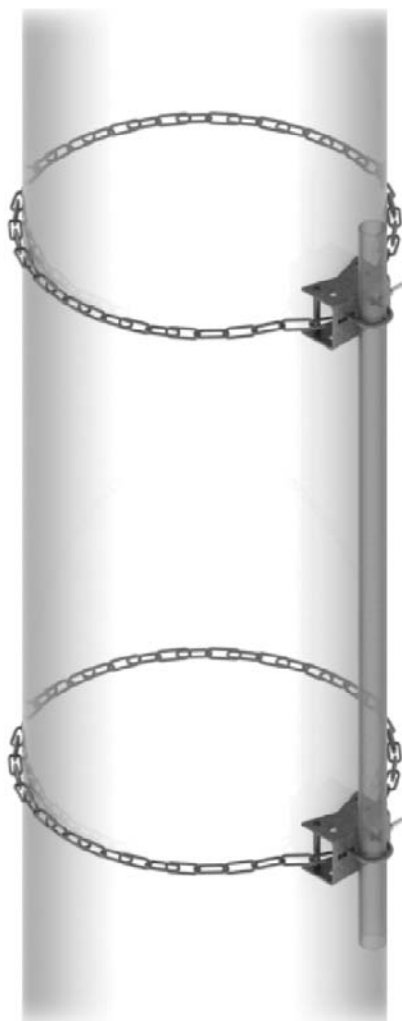
WWW:KENWOODTELECOM:COM

MONOPOLE ANTENNA MOUNTS



Chain Mounts

T1804KT & T1805KT



T1804KT

SHOWN: T1804KT-96
Single sector chain mount, low profile, with (1) 2-3/8" OD x 96" Antenna Pipe.

Application Data

Fits Pole: 10" - 60" diameter round or polygon

- Allows for 2-3/8" OD or 4-1/2" OD pipe to be mounted
- Pipe mounts can be ordered as a kit or separately

Material: Galvanized Steel



T1805KT

SHOWN: T1805KT-96
Tri-sector chain mount, low profile, with (3) 2-3/8" OD x 96" Antenna Pipe.

Wind Loading and Engineering Data

Typical Load: 25.4 ftz Per Sector/Mount Face

Wind Rating: 150 mph (3-sec gust, exposure C)
per IAW ANSI/TIA-222-G-2005 at 200' AGL

Man rated for 250 lb at 15 mph

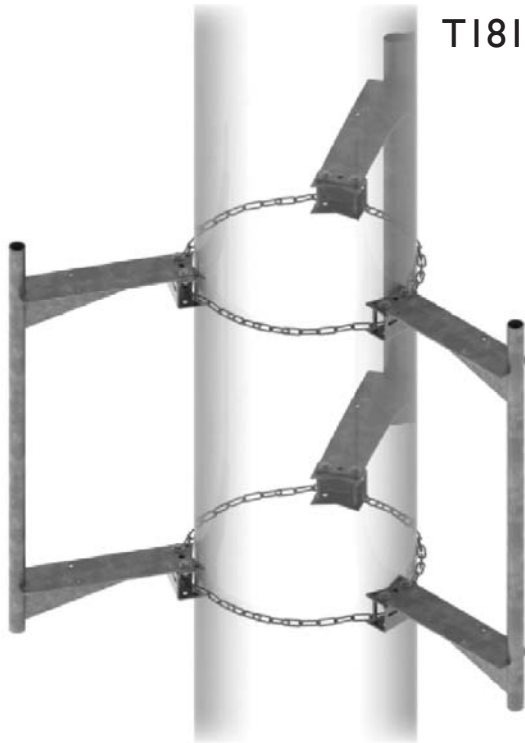
PART NUMBER CONFIGURATION

T180 - _____

<p>4KT = Single sector chain mount, low profile</p> <p>4KT2 = Double sector chain mount, low profile</p> <p>5KT = Tri-sector chain mount, low profile</p>	<p>Blank = 2-3/8" OD Pipe</p> <p>25 = 2-7/8" OD Pipe</p> <p>3 = 3-1/2" OD Pipe</p> <p>4 = 4-1/2" OD Pipe</p>	<p>Enter length of Antenna Pipe in inches</p> <p>Leave blank if no antenna pipes</p> <p>48 = 48" 60 = 60"</p> <p>72 = 72" 96 = 96"</p> <p>108 = 108" 126 = 126"</p>
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EXAMPLE: T1804KT2-96

24" Chain Mount Stand-Off

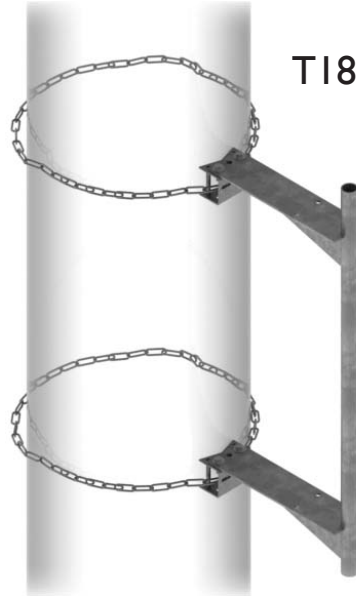


T1815KT3

T1815KT

Application Data

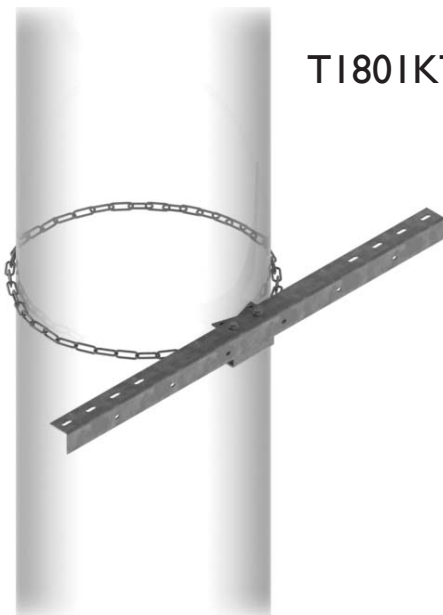
Fits Pole: 10" - 60" diameter round or polygon
 •Stand-off has a welded 2-3/8" OD pipe attached
 Material: Galvanized Steel



T1815KT1

Part No	Description	UOM	Wt (lbs)
24" Stand-Off Chain Mount for 10" to 60" Diameter Poles			
T1815KT1	Single sector	Each	125.0
T1815KT2	Double sector	Each	225.1
T1815KT3	Triple sector	Each	332.1

Monopole Stiff Arm Mounts

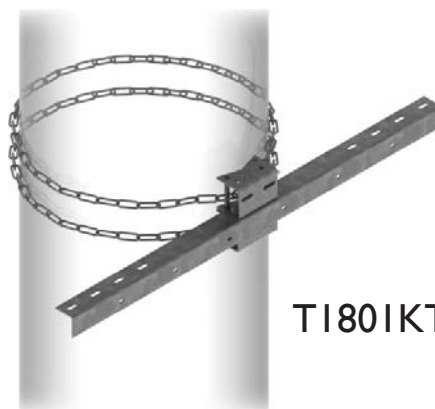


T1801KT

T1801KT

Application Data

Fits Pole: 10" - 60" diameter round or polygon
 Material: Galvanized Steel



T1801KTH

Part No	Description	UOM	Wt (lbs)
T1801KT	Stiff arm mount	Each	43.6
T1801KTH	Heavy duty stiff arm mount	Each	59.3

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MONOPOLE ANTENNA MOUNTS

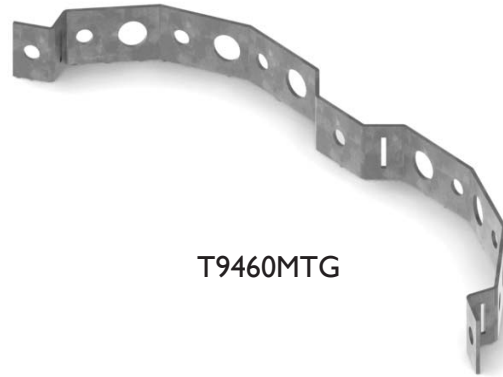


Monopole/Large Round Member Support Bracket

- Bracket is secured to round member using banding (see below)
- Brackets include holes for snap-in hangers or hangers using 3/8" hardware
- Accepts 1/2" or 3/4" wide banding



T9122MT38



T9460MTG

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9460MTG	Universal member adapter, fits round or angle, galvanized steel	Kit of 10	4.9
T9122MT38	Stand-Off Adapter - 3-way Universal, stainless steel	Kit of 10	1.1

Banding

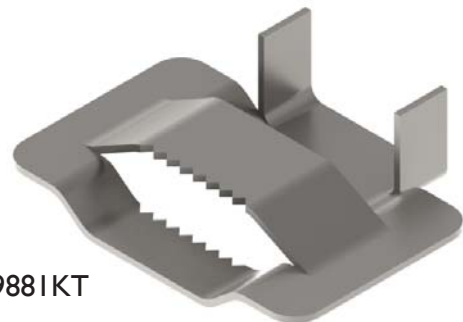
Used to secure hangers and mounting brackets to large diameter round members.



T9882KT



T9884KT



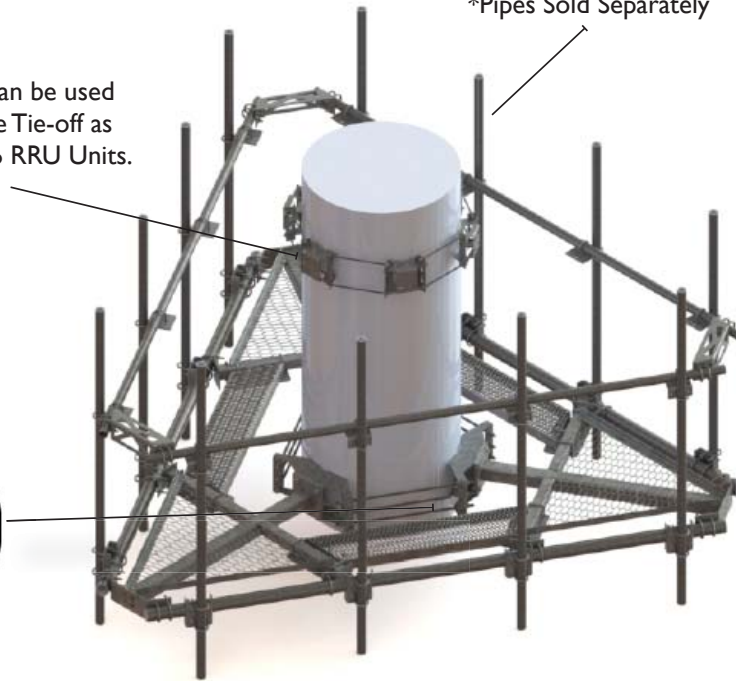
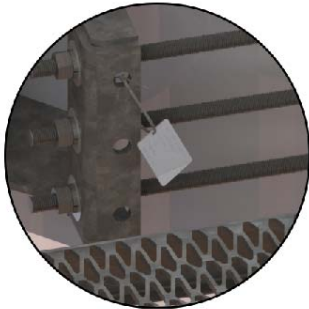
T9881KT

Part No	Description	UOM	Wt (lbs)
T9882KT	Banding, 1/2" wide x 100', stainless steel	100 ft	5.5
T9806KT34	Banding, 3/4" wide x 100', stainless steel	100 ft	7.8
T9881KT	Banding buckles, 1/2", stainless steel	Box of 100	2.1
T9803KT34	Banding buckles, 3/4", stainless steel	Box of 100	3.5
T9884KT	Banding tool	Each	1.7
T9810KT	Scru-Seal, no tool needed. 3/8" x 100 ft band with 25 screw clips included	100 ft	4.3

Monopole Platform

*Optional RRU Mount can be used for 5,000lbs Maintenance Tie-off as well as mounting up to 6 RRU Units. Sold Separately.

*Pipes Sold Separately



- Attach ID Tag to Ring Mount Such That The Information Is Visible
- Ring mount can be used for 5,000lbs Maintenance Tie-off. Do not tie-off to threaded rod.

T1540KT12B-M-H

T1541KT12H-M-H3

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Fixed sectors, must be 120 degrees apart

Material: Galvanized Steel

Wind Loading and Engineering Data

Wind Ratings:

V = 130 mph
 z = 250 ft
 H = 500 ft max (SST or GT)
 Exposure C
 Structure class II
 Topo Category I
 ti 1/2" with Vi = 40 mph
 Wind direction Probability Factor:
 •0.95 (Tubular Pole Structures)
 Gust Wind Effect Factor:
 •1.0 (Pole Structures)
 ANSI/TIA-222-G-2-2009
Man rated for 500 lb. at 15 mph.

T1540KT12B-M-H load per antenna pipe based on 4 pipes per sector

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

T1541KT12H-M-H3 load per antenna pipe based on 4 pipes per sector

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (i) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
4	120	15.0	15.0	663	60	1.0	24.0	24.0	1325

EPA of Base Unit (no antenna pipes)

* T1540KT12 includes 2-3/8" OD Antenna Pipes. Sold Separately.
 * T1541KT12 includes 2-7/8" OD Antenna Pipes. Sold Separately

Part Number	Fa width	Combined EPA(n) Front(ft ²)	Combined EPA(t) Side(ft ²)	Wt. (lb)
T1540KT12B-M-H	156"	33.21	22.87	1460
T1541KT12H-M-H3	156"	40.18	30.39	1920

*Load Capacity may differ slightly

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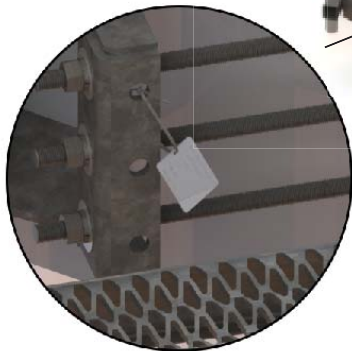
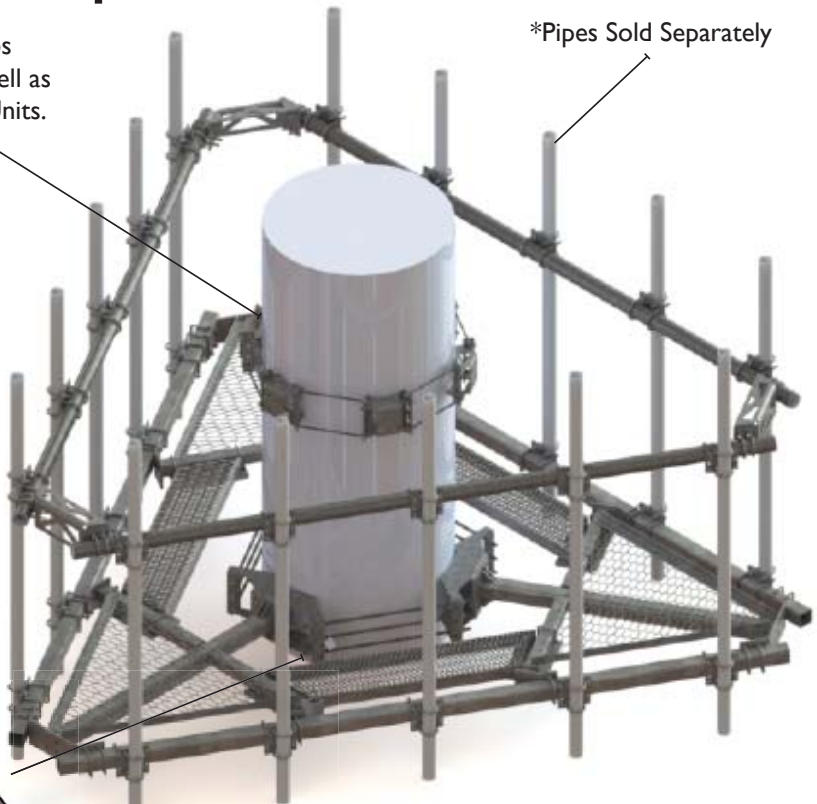
MONOPOLE ANTENNA MOUNTS



Monopole Platform

*Can be used for 5,000lbs Maintenance Tie-off as well as mounting up to 6 RRU Units. Sold Separately.

*Pipes Sold Separately



- Attach ID Tag to Ring Mount Such That The Information Is Visible
- Can be used for 5,000lbs Maintenance Tie-off. Do not tie-off to threaded rod. Sold Separately.

T1542KT12XS-M-H35

Application Data

Fits Pole: 10" - 60" diameter round or polygon
Azimuth: Fixed sectors, must be 120 degrees apart

Material: Galvanized Steel

Wind Ratings:

V = 130 mph
 z = 250 ft
 H = 500 ft max (SST or GT)

Exposure C

Structure class II

Topo Category I

ti 1/2" with Vi = 40 mph

Wind direction Probability Factor:

- 0.95 (Tubular Pole Structures)

Gust Wind Effect Factor:

- 1.0 (Pole Structures)

ANSI/TIA-222-G-2-2009

Man rated for 500 lb. at 15 mph.

*T1541KT12 includes 2-7/8" OD Antenna Pipes. Sold Separately

*Load Capacity may differ slightly

Wind Loading and Engineering Data

T1542KT12XS-M-H35 load per antenna pipe based on 5 pipes per sector

Mount Pipes per Sector	Bare Conditions				Iced Conditions				
	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (t) (in)	(EPA)N (in)	(EPA)T (sqft)	Factored Weight (lbs)
5	120	17.5	17.5	530	60	1.0	24.0	24.0	1060

EPA of Base Unit (no antenna pipes)

Part Number	Fa width	Combeined EPA(n) Front(ft ²)	Combeined EPA(t) Side	Wt. (lb)
T1542KT12XS-M-H35	156"	41.08	29.61	2020



Pipe-to-Pipe Assemblies

To connect two similar size parallel pipes use the pipe-to-pipe clamps. To connect two dissimilar size parallel pipes use the pipe-to-pipe adapters. Each pipe-to-pipe assembly is sold in a kit of two. A kit of two pipe-to-pipe clamps includes eight clamp halves, four pieces of threaded rod and all necessary hardware. A kit of two pipe-to-pipe adapters includes two welded pipe adapters, four clamp halves, eight pieces of threaded rod and all necessary hardware. Material is galvanized steel.

T1103KT & T1003KT



Pipes sold separately

Part No	Description	UOM	Wt (lbs)
Mechanical			
T1003KT20	Pipe-to-pipe clamp joins two 1-1/2" to 3-1/2" OD	Kit of 2	7.9
T1003KT30A	Pipe-to-pipe clamp joins two 1-1/2" to 3-1/2" OD round members	Kit of 2	14.0
T1003KT35A	Pipe-to-pipe clamp joins two 2-3/8" to 5" OD round members	Kit of 2	22.0
T1003KT40A	Pipe-to-pipe clamp joins two 4" to 9" OD round members	Kit of 2	32.0
Welded			
T1103KT35A	Pipe-to-pipe adapter kit, 1-1/2" - 3-1/2" OD to 2-3/8" - 5" OD pipe	Kit of 2	18.0
T1103KT39A	Pipe-to-pipe adapter kit, 1-1/2" - 3-1/2" OD to 4" - 9" OD pipe	Kit of 2	23.0
T1103KT39TA	Pipe-to-pipe adapter kit for tapers, 2-3/8" - 5" OD to 4" - 9" OD pipe	Kit of 2	24.8
T1103KT49A	Pipe-to-pipe adapter kit, 2-3/8" - 5" OD to 4" - 9" OD pipe	Kit of 2	27.0

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PIPE TO PIPE CONNECTIONS



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Bringing Great Products to the Wireless Industry

Pipe Mount Hardware and Crossovers

KI004KT

- Kit contains 1 welded crossover clamp, matching clamp halves, threaded rod, and hardware
- All material is galvanized steel
- Pipes sold separately



Part No	Description	UOM	Wt (lbs)
KI004KT1	Crossover clamp kit, 1-1/2" - 3-1/2" OD to 1-1/2" - 3-1/2" OD	Each	7.0
KI004KT2	Crossover clamp kit, 1-1/2" - 3-1/2" OD to 2-3/8" - 5" OD	Each	9.0
KI004KT3	Crossover clamp kit, 1-1/2" - 3-1/2" OD to 4" - 9" OD	Each	12.0
KI004KT4	Crossover clamp kit, 2-3/8" - 5" OD to 4" - 9" OD	Each	14.0
KI004KT5	Crossover clamp kit, 2-3/8" - 5" OD to 2-3/8" - 5" OD	Each	11.0

Pipe To Pipe Crossover Kits

KI004KT6

- Kit contains 2 clamp halves, 1 plate, threaded rod, and hardware
- All material is galvanized steel



Part No	Description	UOM	Wt (lbs)
KI004KT6	Adjustable Angle Crossover Plate Kit 1-1/2" OD - 3-1/2" OD	Each	8.0

Square Tube to Pipe Crossover Kits

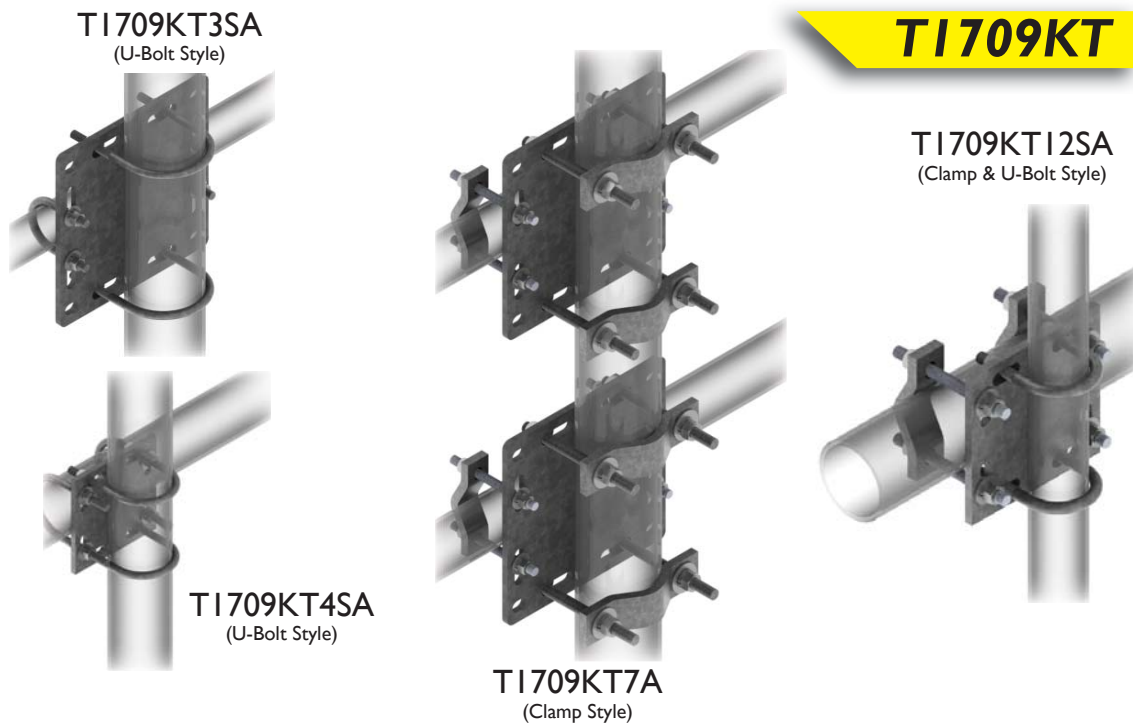
T1722KT

- Kit contains 1 crossover plate, u-bolts, and mounting hardware
- All material is galvanized steel
- Pipes sold separately



Part No	Description	UOM	Wt (lbs)
T1722KT1S	Crossover Kit, 2-3/8" OD Pipe to Flat	Each	7.0
T1722KT7S	Crossover Kit, 2-3/8" OD Pipe to 3-1/2" Sq Tube	Each	9.0
T1722KT2S	Crossover Kit, 2-3/8" OD Pipe to 4" Sq Tube	Each	9.5
T1722KT3S	Crossover Kit, 2-3/8" OD Pipe to 4-1/2" Sq Tube	Each	9.5
T1722KT4S	Crossover Kit, 2-7/8" OD Pipe to 3" Sq Tube	Each	9.5
T1722KT5S	Crossover Kit, 2-7/8" OD Pipe to 3-1/2" Sq Tube	Each	11.0
T1722KT8S	Crossover Kit, 2-7/8" OD Pipe to 4" Sq Tube	Each	16.5
T1722KT6S	Crossover Kit, 3-1/2" OD Pipe to 3" Sq Tube	Each	17.5
T1722KT9S	Crossover Kit, 3-1/2" OD Pipe to 4" Sq Tube	Each	18.5
T1722KT10S	Crossover Kit, 3-1/2" OD Pipe to 4" Sq Tube	Each	23.2
T1722KT11S	Crossover Kit, 1"-5 1/2" OD pipe to 5" Sq Tube	Each	28.5

Crossover Plate Kits



Pipes sold separately

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
U-Bolt Style			
T1709KTA	Pipe Mount Crossover Kit (pair), 2-3/8" - 2-3/8"	Each	14.2
T1709KTSA	Pipe Mount Crossover Kit (single), 2-3/8" - 2-3/8"	Each	7.1
T1709KT1A	Pipe Mount Crossover Kit (pair), 2-3/8" - 2-7/8"	Each	14.9
T1709KT1SA	Pipe Mount Crossover Kit (Single), 2-3/8" - 2-7/8"	Each	7.4
T1709KT2A	Pipe Mount Crossover Kit (pair), 2-3/8" - 3-1/2"	Each	15.2
T1709KT2SA	Pipe Mount Crossover Kit (single), 2-3/8" - 3-1/2"	Each	7.6
T1709KT3A	Pipe Mount Crossover Kit (pair), 2-3/8" - 4-1/2"	Each	32.0
T1709KT3SA	Pipe Mount Crossover Kit (single), 2-3/8" - 4-1/2"	Each	16.0
T1709KT4A	Pipe Mount Crossover Kit (pair), 3-1/2" - 3-1/2"	Each	16.6
T1709KT4SA	Pipe Mount Crossover Kit (single), 3-1/2" - 3-1/2"	Each	8.3
T1709KT5A	Pipe Mount Crossover Kit (pair), 3-1/2" - 4-1/2"	Each	33.0
T1709KT5SA	Pipe Mount Crossover Kit (single), 3-1/2" - 4-1/2"	Each	16.5
T1709KT6A	Pipe Mount Crossover Kit (pair), 4-1/2" - 4-1/2"	Each	33.4
T1709KT6SA	Pipe Mount Crossover Kit (single), 4-1/2" - 4-1/2"	Each	16.7
T1709KT11A	Pipe Mount Crossover Kit (pair), 2-7/8" - 2-7/8"	Each	15.8
T1709KT11SA	Pipe Mount Crossover Kit (single), 2-7/8" - 2-7/8"	Each	7.9
T1709KT13A	Pipe Mount Crossover Kit (pair), 1-7/8" - 2-7/8"	Each	14.9
T1709KT253A	Pipe Mount Crossover Kit (single or pair), 2-7/8" - 3-1/2"	Each	16.3
T1709KT253SA	Pipe Mount Crossover Kit (single or pair), 2-7/8" - 3-1/2"	Each	8.2
T1709KT12SA	Pipe Mount Crossover Kit (single), 3.5" - 2-3/8"	Each	10.1
Clamp Style			
T1709KT7A	Pipe Mount Crossover Kit (pair), 1-1/2"-3-1/2" to 1-1/2"-5-1/2"	Each	24.3
T1709KT8SA	Pipe Mount Crossover Kit (single), 1-1/2"-5-1/2" to 1-1/2"-5-1/2"	Each	27.9
T1709KT9SA	Pipe Mount Crossover Kit (single), 1-1/2"-5-1/2" to 2-1/2"-8-1/2"	Each	28.3
T1709KT7SA	Pipe Mount Crossover kit (single), 1-1/2"-3-1/2" to 1-1/2"-5-1/2"	Each	24.4
T1709KT14A	Pipe Mount Crossover kit (double), 1-1/2"-3-1/2" to 1-1/2"-3-1/2"	Each	25.1
T1709KT14SA	Pipe Mount Crossover kit (single), 1-1/2"-3-1/2" to 1-1/2"-3-1/2"	Each	12.5
Clamp & U-Bolt Style			
T1709KT12SA	Pipe Mount Crossover Kit (single), 2-3/8" - 1"-3-1/2"	Each	10.0
T1709KT10A	Pipe Mount Crossover Kit (pair), 2-7/8" - 1-1/2"	Each	21.7
T1709KT10SA	Pipe Mount Crossover Kit (pair), 2-7/8" - 3-1/2"	Each	10.3

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PIPE TO PIPE CONNECTIONS



Angle To Pipe Crossover Kits

T1709KT

- Kit contains 2 crossover plate, u-bolts, and mounting hardware
- Pipes sold separately

Material: Galvanized Steel



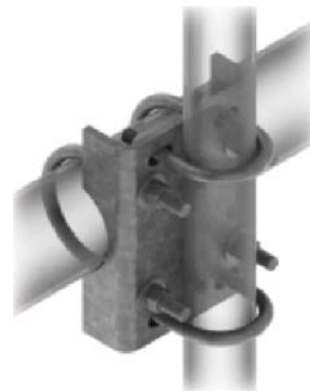
Part No	Description	UOM	Wt (lbs)
T1709KTV2A	Crossover Kit, (2), 2-3/8" OD Pipe to 3"x 3" angle	Each	8.0
T1709KT33S	Crossover Kit, (2), 3-1/2" OD Pipe to 3"x 3" angle	Each	8.1

Pipe Mount Hardware and Kits

T1721KT

Pipes sold separately

Material: Galvanized Steel



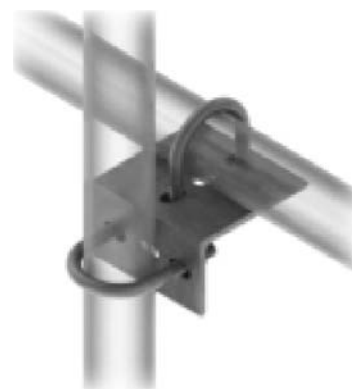
Part No	Description	UOM	Wt (lbs)
T1721KTA	Pipe Mount kit, channel 2-3/8" to 3-1/2"	Each	10.9
T1721KTIA	Pipe mount kit, channel 2-7/8" to 3-1/2"	Each	9.3

Pipe Mount Crossover Kits

T1708KT

Pipes sold separately

Material: Galvanized Steel

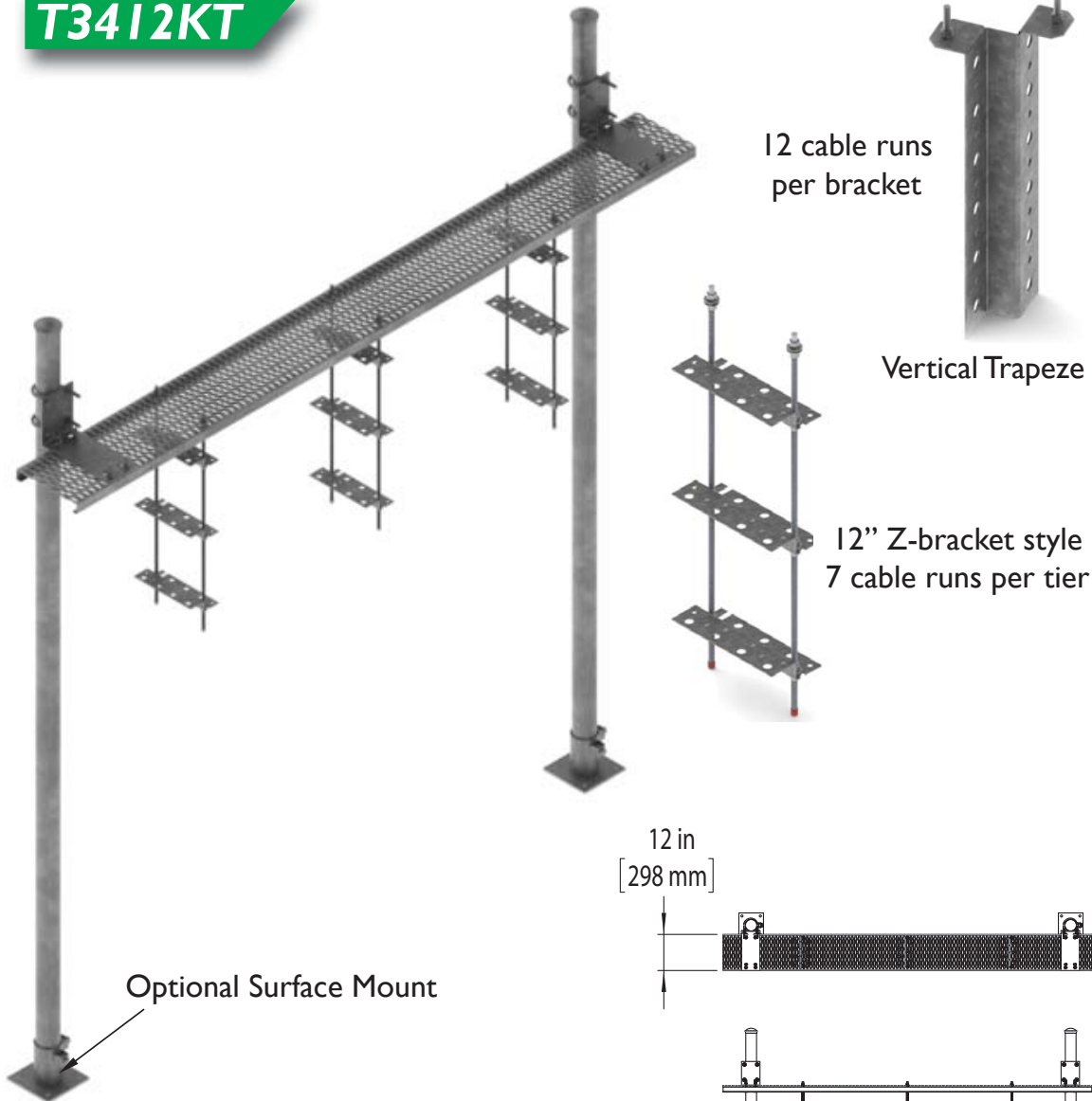


Part No	Description	UOM	Wt (lbs)
T1708KTA	Pipe mount crossover kit, 2-3/8" - 2-3/8"	Kit of 2	4.6
T1708KT225A	Pipe mount crossover kit, 2-3/8" - 2-7/8"	Kit of 2	10.7
T1708KT3A	Pipe mount crossover kit, 2-7/8" - 2-7/8"	Kit of 2	11.0

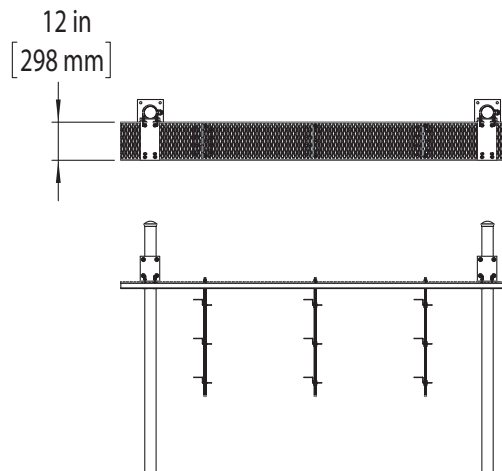
12" Wide Waveguide Bridge Kits

• IceBridge

T3412KT



2 Post Waveguide Bridge Kit
 SHOWN: T3412KT14-3Z
 12" Waveguide Bridge Kit with
 14' Post and 2 level Z-style Trapeze.



PART NUMBER CONFIGURATION

T3412KT

Enter Desired Post Length

10 = 10.5'
 14 = 14'
 18 = 18'
 21 = 21'
 Blank = No Posts

Enter Desired Number of Tiers for Trapeze

1 = 1 level
 2 = 2 level
 3 = 3 level
 X = No Trapeze

Enter Trapeze Style

Z = Z-style
 V = Vertical Trapeze

Blank = Direct Burial
 S = Pipe Shoes for Surface Mount

EXAMPLE: T3412KT14-2Z

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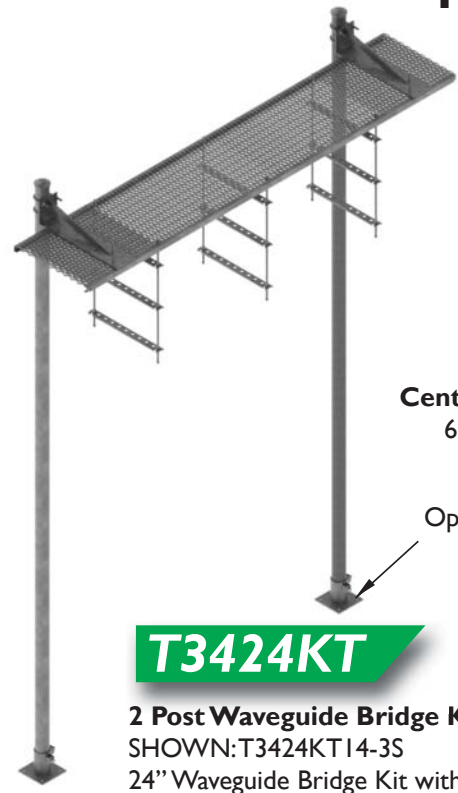
**WAVEGUIDE BRIDGE KITS AND
 ANTENNA ICE SHIELDS**



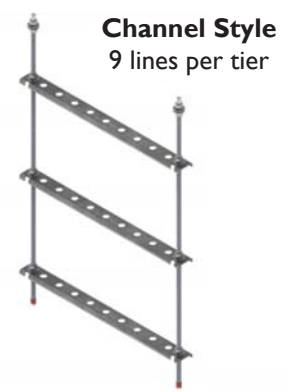
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24" Wide Waveguide Bridge Kits

• IceBridge



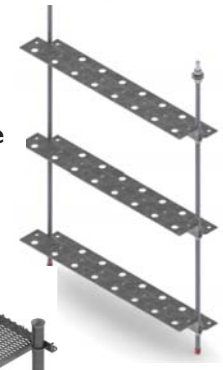
Center Mount Style
6 lines per tier



Channel Style
9 lines per tier

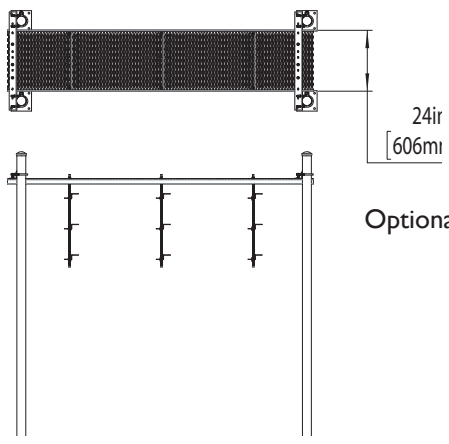
Optional Surface Mount
(See Pg. F.4)

Z-Bracket Style
14 lines per tier



T3424KT

2 Post Waveguide Bridge Kit
SHOWN: T3424KT14-3S
24" Waveguide Bridge Kit with 14' Post, with 3 level Channel-style Trapeze and pipe shoes.



Optional Surface Mount



T3425KT

4 Post Waveguide Bridge Kit
SHOWN: T3425KT10-3ZS
24" Waveguide Bridge Kit with 10' Post, with 3 level Z-style Trapeze and pipe shoes.

PART NUMBER CONFIGURATION

T342	KT	-		
Enter Style	Enter Desired Post Length	Enter Desired Number of Tiers for Trapeze	Enter Trapeze Style	Blank = Direct Burial S = Pipe Shoes for Surface Mount
4 = 10' long, 2-post 5 = 10' long, 4-post 6 = 12' long, 2-post 9 = 12' long, 4-post	10 = 10.5' 14 = 14' 18 = 18' 21 = 21' Blank = No Posts	1 = 1 level 2 = 2 level 3 = 3 level	Blank = Channel style Z = Z-style C = Center Mount Bolt Together Style	

EXAMPLE: T3425KT14-3



Bridge Grating

• Waveguide Bridge Channel

- Heavy duty serrated diamond grating pattern allows for flexibility in making attachments.
- Material is 12 gauge or 14 gauge galvanized steel.
- **Other sizes available upon request.**



Part No	Description	UOM	Wt (lbs)
Bridge Grating (Waveguide Bridge Channel), 2" Rail, 14 gauge			
T3901KT10	9-1/2" Wide x 2, 10' Long	Each	56.0
T3902KT10	12" Wide x 2, 10' Long	Each	70.0
T3902KT12	12" Wide x 2, 12' Long	Each	84.0
T3904KT10	18-3/4" Wide x 2, 10' Long	Each	85.0
T3904KT12	18-3/4" Wide x 2, 12' Long	Each	102.0
T3900KT10	24" Wide x 2, 10' Long	Each	110.0
T3900KT12	24" Wide x 2, 12' Long	Each	135.0
Bridge Grating (Waveguide Bridge Channel), 3" Rail, 12 gauge			
T3909KT10	12" Wide x 3", 10' long	Each	69.0
T3909KT12	12" Wide x 3", 12' long	Each	85.2
T3906KT10	24" Wide x 3", 10' long	Each	118.7
T3906KT12	24" Wide x 3", 12' long	Each	142.9

Waveguide Bridge Support Post



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
3-1/2" OD Galvanized			
PI200KT7	7' Long	Each	37.2
PI200KT10.5	10-1/2' Long	Each	55.8
PI200KT12.5	12-1/2' Long	Each	66.5
PI200KT14	14' Long	Each	74.4
PI200KT14.5	14-1/2' Long	Each	77.1
PI200KT18	18' Long	Each	95.7
PI200KT21	21' Long	Each	111.7
3-1/2" OD Galvanized w/ Welded Foot			
PI200KT10.5-S	10-1/2' Long with welded plate 6" square	Each	67.8
PI200KT10.5-S2	10-1/2' Long with welded plate, 2 hole (see image above)	Each	82.0
PI200KT7-P14	7' Long with welded plate 14" square	Each	73.3
PI200KT6-P12	6' Long with welded plate 11-1/2" square	Each	74.0
PI200KT14-P14	14' Long with welded plate 14" square	Each	121.2

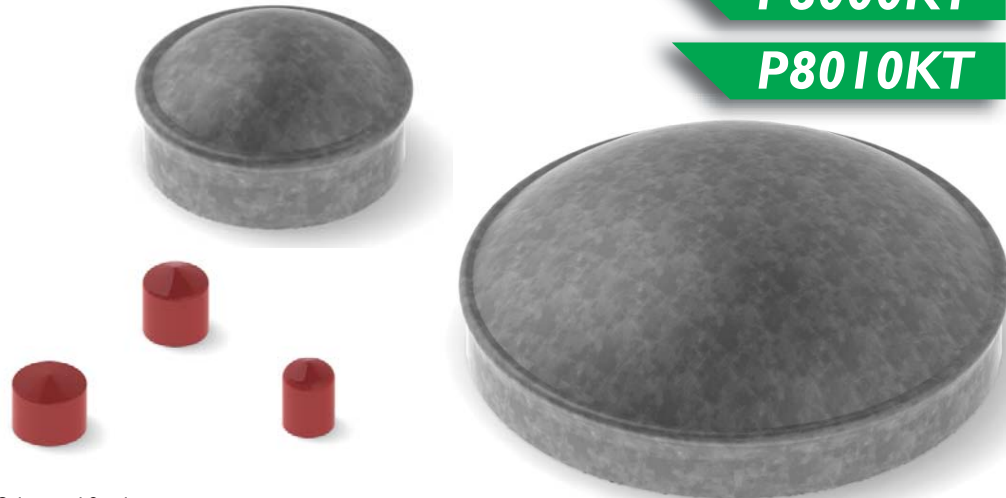
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WAVEGUIDE BRIDGE RITS AND
ANTENNA ICE SHIELDS



Pipe Caps



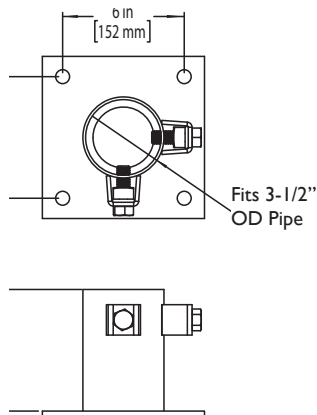
• Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
P8000KT2.5	Fits 2-3/8" OD pipe	Each	0.5
P8000KT3.5	Fits 3-1/2" OD pipe	Each	0.8
P8000KT4	Fits 4" OD pipe	Each	1.2
P8000KT4.5	Fits 4-1/2" OD pipe	Each	1.5
Vinyl Caps			
P8000BL	Fits 1-5/8" x 1-5/8" strut/channel, white vinyl	Each	0.1
P8010KT12	1/2" threaded rod cap, red vinyl	Each	0.1
P8010KT58R	5/8" threaded rod cap, red vinyl	Each	0.1
P8010KT58Y	5/8" threaded rod cap, yellow vinyl	Each	0.1

Pipe Shoes

P8810KT

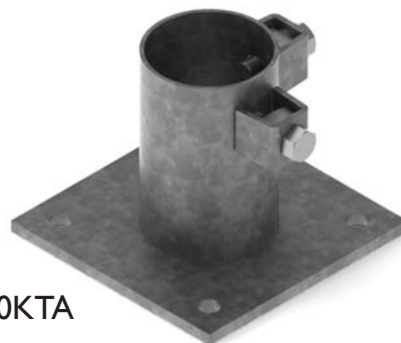
- Each kit includes slip on shoe and hardware to secure the shoe to the pipe
- Slip on style will adapt to any 3-1/2" OD pipe to surface mount
- Uses 5/8" Mounting Hardware (Not Included)



P8810KT12A



P8810KTA



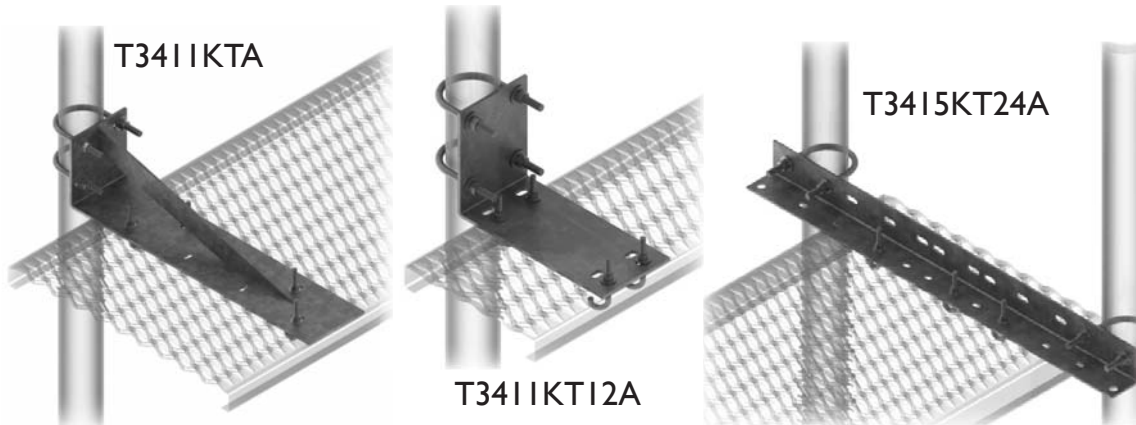
• Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
P8810KTA	Pipe Shoe for 3-1/2" OD pipe 8" Square	Each	8.0
P8810KT12A	Pipe Shoe for 3-1/2" OD pipe 12" Square	Each	18.2

Waveguide Bridge Support Bracket

• Horseheads

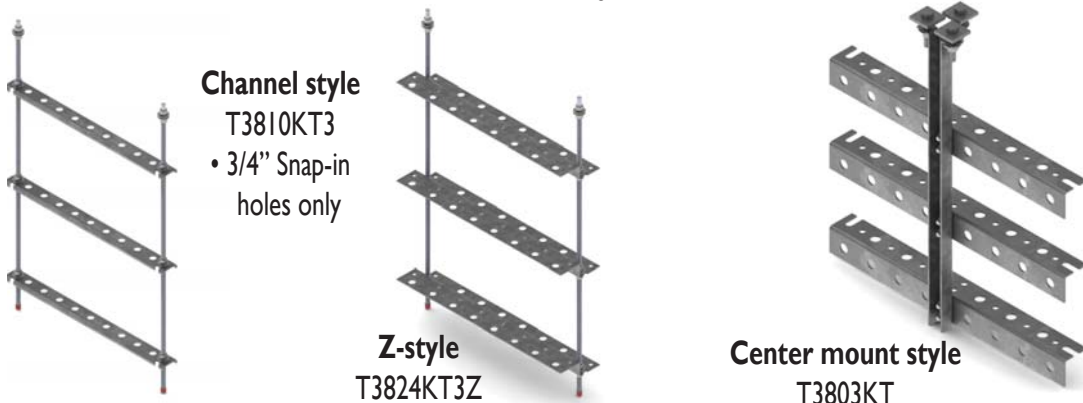
Also referred to as "pipe leg supports", these brackets are used with waveguide bridge channels. Hole pattern allows for easy mounting to the channel along with 3-1/2" OD pipe. All mounting hardware is included in the kit. Material is galvanized steel.



Part No	Description	UOM	Wt (lbs)
Single Post Support Bracket			
T3411KT12A	For 12" Wide Bridge	Each	11.6
T3411KTA	For 24" Wide Bridge	Each	20.6
Double Post Support Bracket			
T3415KT24A	For 24" Wide Bridge	Each	14.6
T3415KT36A	For 36" Wide Bridge	Each	18.2
T3415KT48A	For 48" Wide Bridge	Each	23.5

Trapeze Kits

Used to support coaxial cable in waveguide bridge applications. Kit includes channel or Z-brackets, threaded rod and hardware. All material is galvanized steel.



Part No	Description	UOM	Wt (lbs)
12" Wide Trapeze Kits			
T3812KT1Z	1 Level Z-Style, 7 runs	Each	5.8
T3812KT2Z	2 Level Z-Style, 14 runs	Each	8.4
T3812KT3Z	3 Level Z-Style, 21 runs	Each	13.5
24" Wide Trapeze Kits			
T3810KT1A	1 Level Channel Style, 9 runs	Each	6.3
T3810KT2A	2 Level Channel Style, 18 runs	Each	8.7
T3810KT3A	3 Level Channel Style, 27 runs	Each	11.4
T3824KT1Z	1 Level Z-Style, 14 runs	Each	7.2
T3824KT2ZA	2 Level Z-Style, 28 runs	Each	14.4
T3824KT3Z	3 Level Z-Style, 42 runs	Each	21.7
T3803KT1	1 Level Center Mount Style, 8 runs	Each	5.1
T3803KT2	2 Level Center Mount Style, 16 runs	Each	7.5
T3803KT3	3 Level Center Mount Style, 24 runs	Each	9.8
36" Wide Trapeze Kits			
T3836KT1Z	1 Level Z-Style, 22 runs	Each	14.2
T3836KT2Z	2 Level Z-Style, 44 runs	Each	23.7

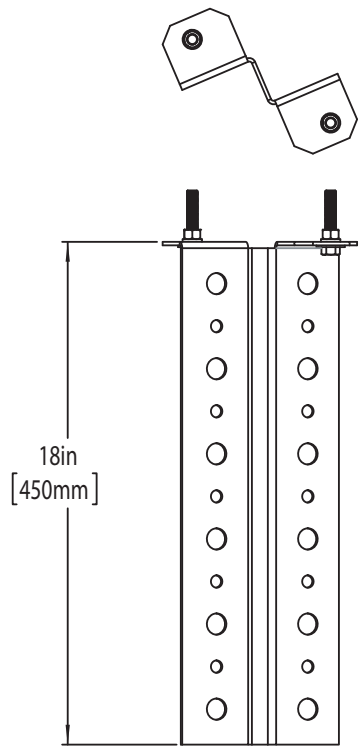
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WAVEGUIDE BRIDGE KITS AND ANTENNA ICE SHIELDS



Z-Bracket - Vertical Mount



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9453MT	Vertical z-bracket, 18" long for 12 runs of coax	Each	6.0

Z-Bracket • Horizontal

- Provides support for cable lines on both top and bottom surfaces.
- Holes are punched to accommodate either snap-in or traditional hangers.
- Mounting hardware sold separately.
- Slotted brackets allow for quick and simple installation.

T9450MT12

T9452MT12

T9451MT12



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9451MT12	Horizontal z-bracket, 11" wide for 7 runs of coax, 1/2" slot	Each	3
T9452MT12	Horizontal z-bracket, 23" wide for 14 runs of coax, 1/2" slot	Each	7
T9450MT12	Horizontal z-bracket, 35" wide for 22 runs of coax, 1/2" slot	Each	9

Antenna Ice Shields

- Curved



- Ice Shields mount on 5-1/2" OD or smaller straight tower leg or pipe mount to protect antennas from falling ice.
- Man-rated for 250 lb person in 15 mph wind.
- Breakdown version is easily transported and assembled.
- This design has a lower number of guy wires for ease of installation and fewer aerial obstructions.
- Stamped drawings available upon request - additional fee may apply.

T9970KT

Wind Loading and Engineering Data

Wind Ratings:

V = 85 mph
 z = 250 ft
 H = 500 ft max (SST or GT)
 Exposure C
 Structure class II
 Topo Category I
 ti 1/4" with Vi = 40 mph
 Wind direction Probability Factor:
 •0.85 (Latticed Structures)
 •0.95 (Tubular Pole Structures)
 Gust Wind Effect Factor:
 •1.1 (Pole Structures)
 ANSI/TIA-222-G-2-2009

Man rated for 250 lb. person at 15 mph.

Application Data

Fits Leg or Pipe Mount: Round: up to 5.5" OD
 Easily accomodates larger vertical members round, angle, or square
Slope: Order T1704KT or T1300KT-HD separately to accomodate slope.
Azimuth: Swivels on separately purchased pipe mount to desired azimuth.
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9970KT4	4' Ice Shield, Curved Design for 4' Microwave Antenna	Each	304.4
T9970KT6	6' Ice Shield, Curved Design for 6' Microwave Antenna	Each	384.6
T9970KT8	8' Ice Shield, Curved Design for 8' Microwave Antenna	Each	719.7
T9970KT10	10' Ice Shield, Curved Design for 10' Microwave Antenna	Each	818.1
T9970KT12	12' Ice Shield, Curved Design for 12' Microwave Antenna	Each	985.3

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WAVEGUIDE BRIDGE RITS AND
 ANTENNA ICE SHIELDS



Antenna Ice Shields

• Flat



- Ice Shields mount on 5-1/2" OD or smaller straight tower leg or pipe mount to protect antennas from falling ice.
- Man-rated for 250 lb person in 15 mph wind.
- Breakdown version is easily transported and assembled.
- This design has a lower number of guy wires for ease of installation and fewer aerial obstructions.
- Stamped drawings available upon request - additional fee may apply.

T9971KT

Wind Loading and Engineering Data

Wind Ratings:

V = 85 mph
 z = 250 ft
 H = 500 ft max (SST or GT)
 Exposure C
 Structure class II
 Topo Category I
 ti 1/4" with Vi = 40 mph
 Wind direction Probability Factor:
 •0.85 (Latticed Structures)
 •0.95 (Tubular Pole Structures)
 Gust Wind Effect Factor:
 •1.1 (Pole Structures)
 ANSI/TIA-222-G-2-2009

Man rated for 250 lb. person at 15 mph.

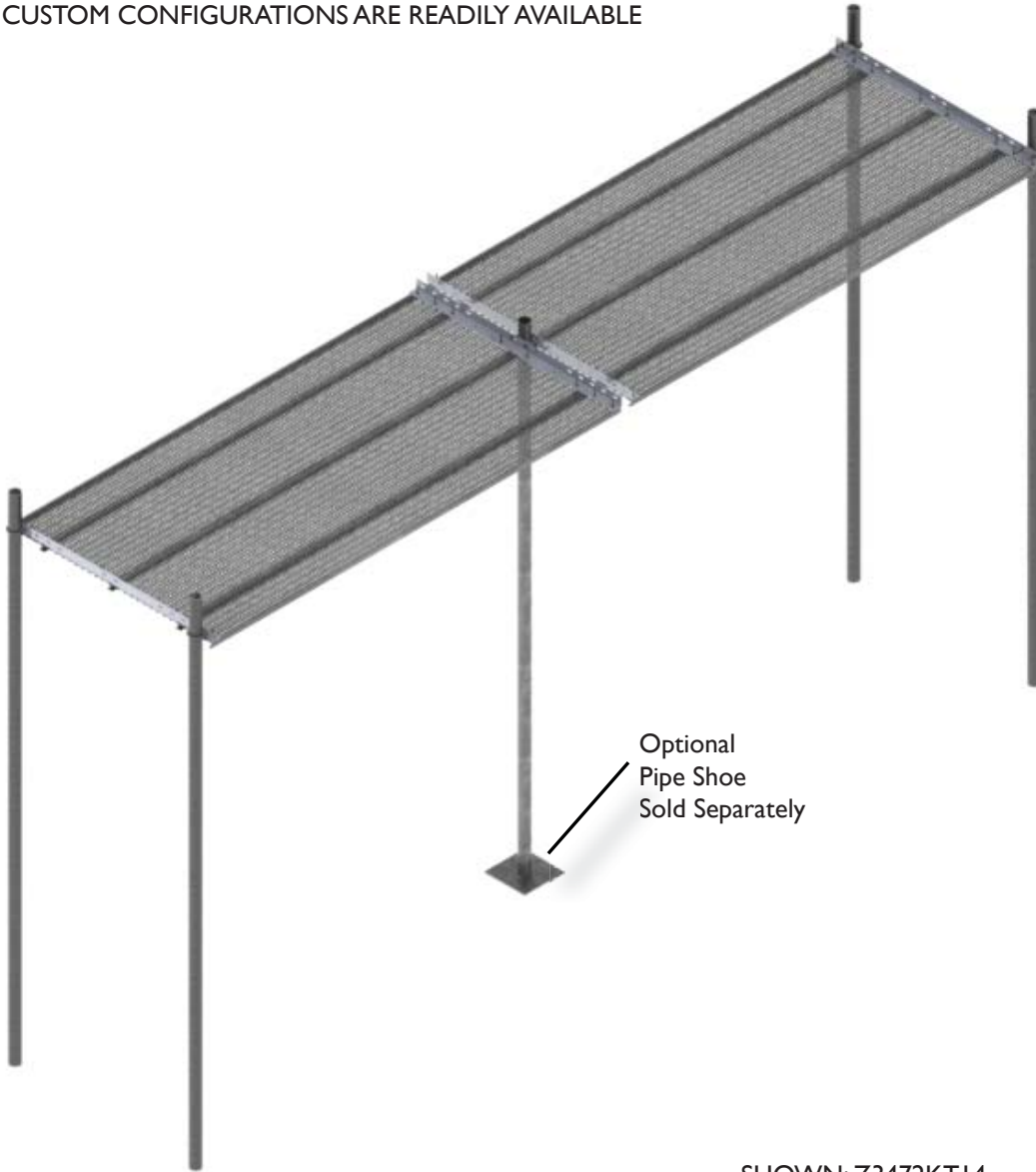
Application Data

Fits Leg or Pipe Mount: Round: up to 5-1/2" OD
 Easily accomodates larger vertical members round, angle, or square
Slope: Order T1704KT or T1300KT-HD sseparately to accomodate slope.
Azimuth: Swivels on separately purchased pipe mount to desired azimuth.
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9971KT4	4' Ice Shield, Flat Design for 4' Microwave Antenna	Each	313.2
T9971KT6	6' Ice Shield, Flat Design for 6' Microwave Antenna	Each	428.7
T9971KT8	8' Ice Shield, Flat Design for 8' Microwave Antenna	Each	752.2
T9971KT10	10' Ice Shield, Flat Design for 10' Microwave Antenna	Each	862.1
T9971KT12	12' Ice Shield, Flat Design for 12' Microwave Antenna	Each	1016.9

Canopy Kits

- 22 ft long
- 5 - posts with caps and I pipe shoe
- 8 - trapeze kits
- All necessary hardware to mount grating
- CUSTOM CONFIGURATIONS ARE READILY AVAILABLE



Optional
Pipe Shoe
Sold Separately

SHOWN: Z3472KT14
72" Waveguide Bridge Kit with
14' Post.

Material: Galvanized Steel

PART NUMBER CONFIGURATION

Z34	KT	-	-
Enter Width	Enter Desired Post Length	Enter Desired Number of Tiers for Trapeze	Enter Trapeze Style
36 = 36" width 48 = 48" width 72 = 72" width	10 = 10.5' 14 = 14' 18 = 18' 21 = 21' NP = No Posts	1 = 1 level 2 = 2 level 3 = 3 level 4 = 4 level X = No Trapeze	Blank = Channel style Z = Z-style C = Center Mount Bolt Together Style X = No Trapeze

EXAMPLE: Z3472KT14

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**RRU MOUNTS, CANOPIES,
EQUIPMENT PLATFORMS, H-FRAMES**

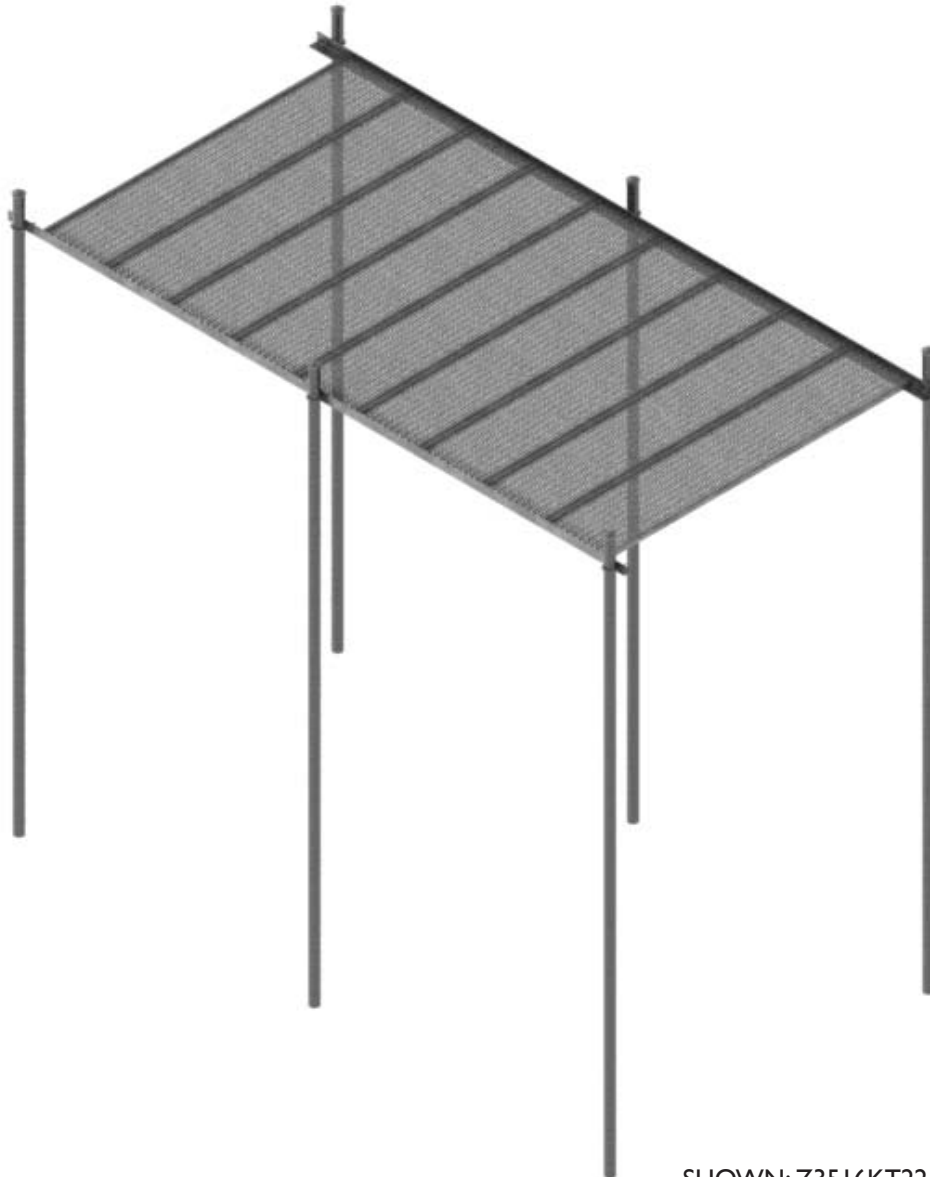


G.I

Bringing Great Products to the Wireless Industry

Equipment Pad Canopy Kits

- Each kit includes 18' long direct burial posts
- All necessary hardware to mount grating included
- CUSTOM SIZES AND STRENGTHS AVAILABLE UPON REQUEST



SHOWN: Z3516KT22
Equipment Pad Canopy Kit with
18' Post, 16' wide by 22' long.

Material: Galvanized Steel

PART NUMBER CONFIGURATION

Z35 KT

Enter Width

08 = 8' wide
10 = 10' wide
12 = 12' wide
14 = 14' wide
16 = 16' wide

Enter Length

10 = 10'
12 = 12'
18 = 18'
20 = 20'
22 = 22'

EXAMPLE: Z3516KT22

RRU MOUNTS, CANOPIES,
EQUIPMENT PLATFORMS, H-FRAMES

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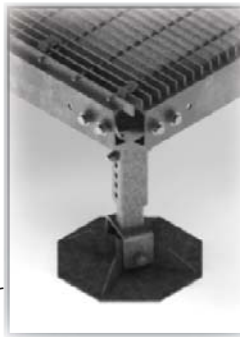
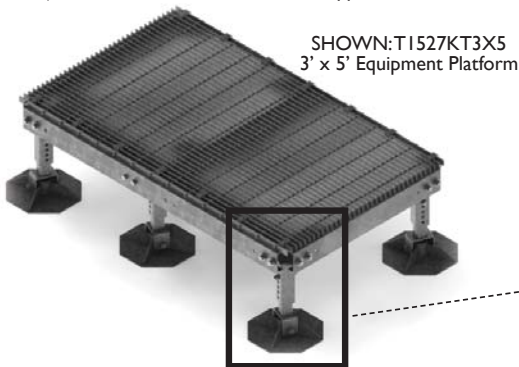


Equipment Platforms

- All necessary hardware to mount grating included
- Adjustable feet allow for uneven terrain
- CUSTOM SIZES AND CAPACITIES AVAILABLE UPON REQUEST

T1527KT

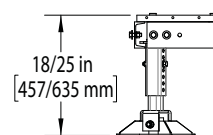
- Adjustable feet for uneven all terrain applications



Live Loads: As per IBC 2006 / ASCE 7-05 Code Requirements 200 psf Uniform/490#/ft Across Bars In Bar Grating. 4 Cabinets: 80" Tall x 36" Wide x 24" Deep; 1000 lbs Each

Wind Loads: As per IBC 2006 / ASCE 7-05 / TIA-222-G Standard Code Requirements. 40 psf (From 120 mph Per IBC 2006 / ASCE 7-05 Method).
(4) Max. Exposed Cabinets with Dimensions of 36" Wide x 80" Tall x 24" Deep.

Snow Load: 200 psf Uniform



T1528KT

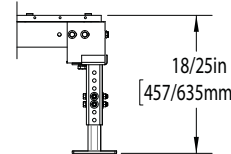
- Adjustable feet for all terrain
- 5" center hole pattern for bolting to concrete



Live Loads: As per IBC 2006 / ASCE 7-05 Code Requirements 200 psf Uniform/490#/ft Across Bars In Bar Grating. 4 Cabinets: 80" Tall x 36" Wide x 24" Deep; 1000 lbs Each

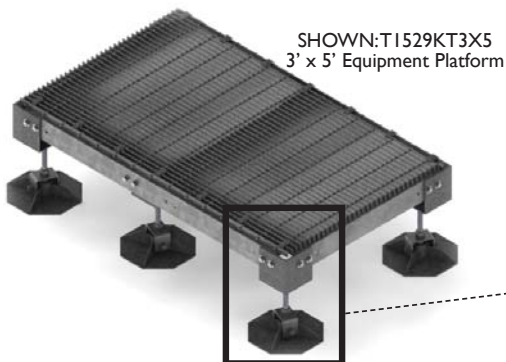
Wind Loads: As per IBC 2006 / ASCE 7-05 / TIA-222-G Standard Code Requirements. 40 psf (From 120 mph Per IBC 2006 / ASCE 7-05 Method).
(4) Max. Exposed Cabinets with Dimensions of 36" Wide x 80" Tall x 24" Deep.

Snow Load: 200 psf Uniform

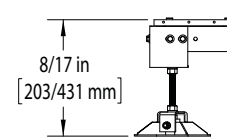


T1529KT - Light Duty

- Adjustable all terrain feet

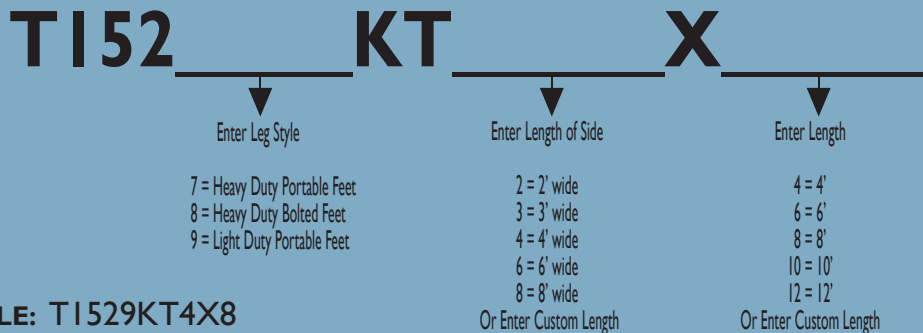


Load Capacity: 48 psf Uniform



Material: Galvanized Steel

PART NUMBER CONFIGURATION



EXAMPLE: T1529KT4X8

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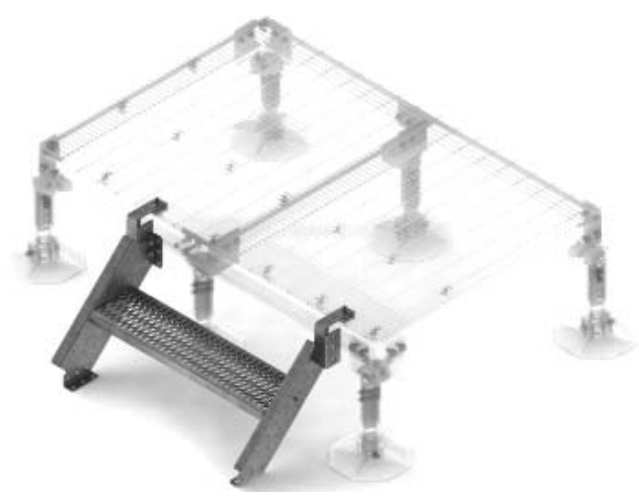
RRU MOUNTS, CANOPIES, EQUIPMENT PLATFORMS, H-FRAMES



G.3

Stairs for Equipment Platform

- Stairs fit platform heights from 12" to 18"
- Platform Assemblies Sold Separately

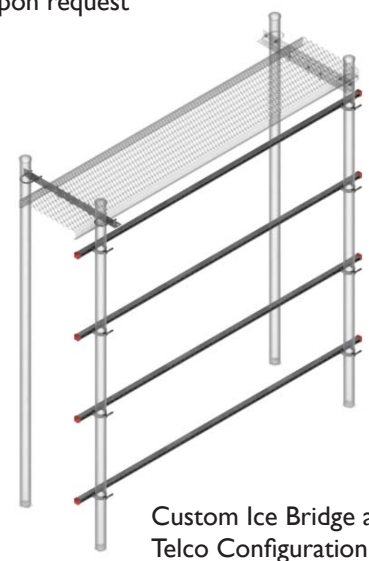


Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1527KTSI	Stair for Equipment Platform	Each	58.4
T1527KTS	Stairs for Equipment Platform	Each	58.4

Telco Rack and H-Frame

- Standard pipe size is 3-1/2" OD x 10' 6" direct burial pipe
- Includes all necessary mounting hardware and pipe caps
- Custom pipe lengths, rack widths, and surface mounts available upon request



T170xKT

SHOWN: T170IKT3
H-Frame - 10' rack width with 3 Levels

Material: Galvanized Steel

PART NUMBER CONFIGURATION

T170 KT

↓

Rack Width

1 = 10' width
2 = 8' width
3 = 5' width

↓

Enter Number of Levels

2 = 2
3 = 3
4 = 4
5 = 5
8 = 8

↓

Pipe shoes

S = Pipe Shoes
Blank = No Shoes

EXAMPLE: T1703KT8

RRU Swivel Mounting Bracket

T1850KT

Application Data

- Mounts to a 2-3/8" up to 4-1/2" OD pipe
- Holds up to 2 RRU Units plus Expansion Modules



Wind Loading and Engineering Data

This mount will hold either two RRUs or two A2 modules or one of each with the following environmental conditions.

ANSI/TIA-222-G-2-2009

V = 150 MPH

Vi = 40 MPH

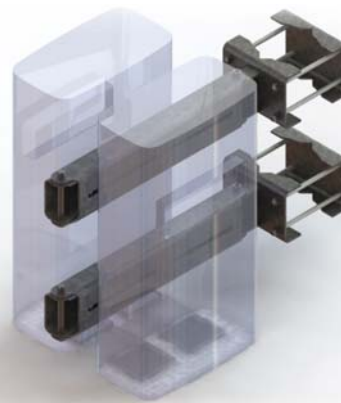
ti = 1 in

Z = 250 ft

Exposure Category C

Structure Class II

CaAa = 3.80 ft2 maximum (per RRU or A2 module)



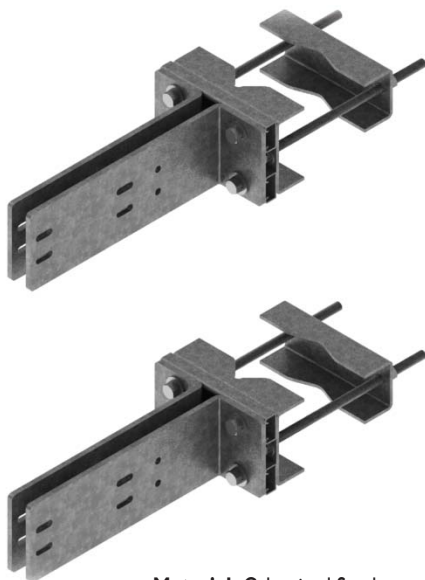
Material: Galvanized Steel

Universal RRU Mounting Bracket

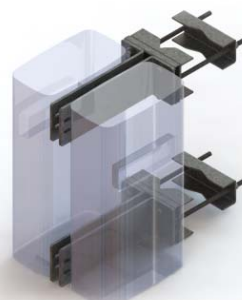
Z0058KT

Application Data

- Fits Round Legs: 1/2" to 5"
- 60 deg Angle Legs: 1" to 5"
- 93 deg Angle Legs: 1" to 3.5"
- Holds up to 2 RRU Units plus Expansion Modules



Material: Galvanized Steel



Part No	Description	UOM	Wt (lbs)
Z0058KT1	Universal RRU Mount, Single	Each	95.3
Z0058KT2	Universal RRU Mount, Double	Each	124.6

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RRU MOUNTS, CANOPIES,
EQUIPMENT PLATFORMS, H-FRAMES

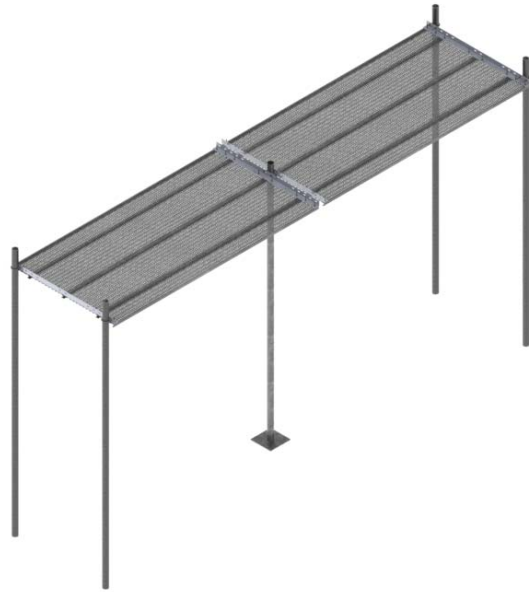
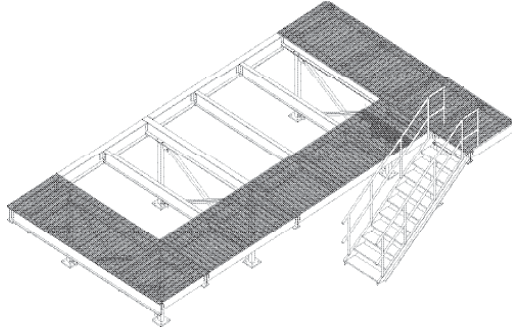


G.5

Bringing Great Products to the Wireless Industry

Custom Equipment Platforms and Canopy

- Call customer service for price and availability



Custom Fabrication and Engineering

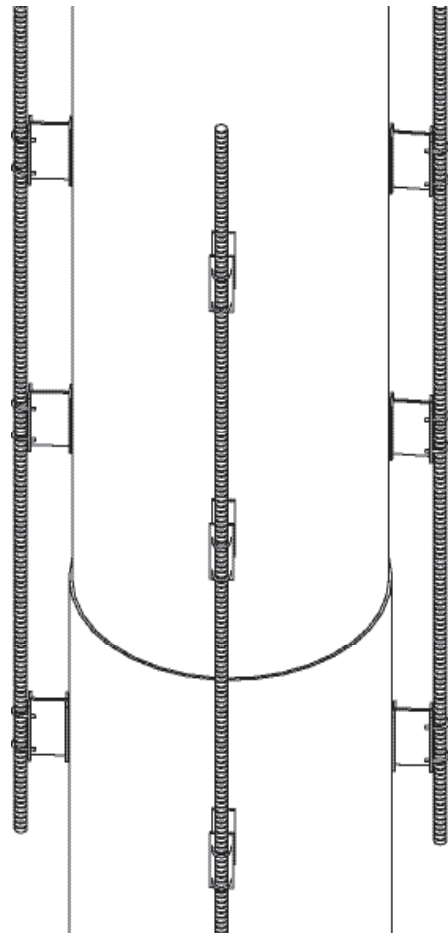
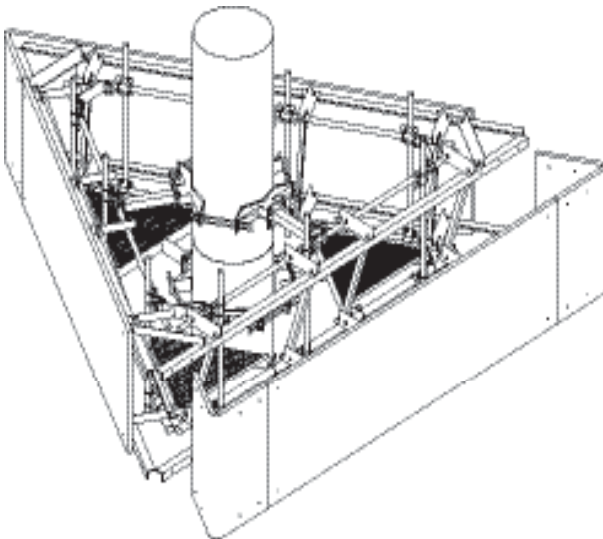
Kenwood possesses the capabilities to manage, engineer and fabricate your custom project from conceptual design all the way to the finished, engineered product. Engineer certifications available in all 50 states and District of Columbia.

Tower Reinforcement

Kenwood Telecom specializes in the DWY-DAG tower reinforcement system.

Custom Antenna Mounts

Kenwood can engineer custom antenna mounts or concealment solutions for any standard mounts or design a custom solution to fit practically any situation.



RRU MOUNTS, CANOPIES,
EQUIPMENT PLATFORMS, H-FRAMES

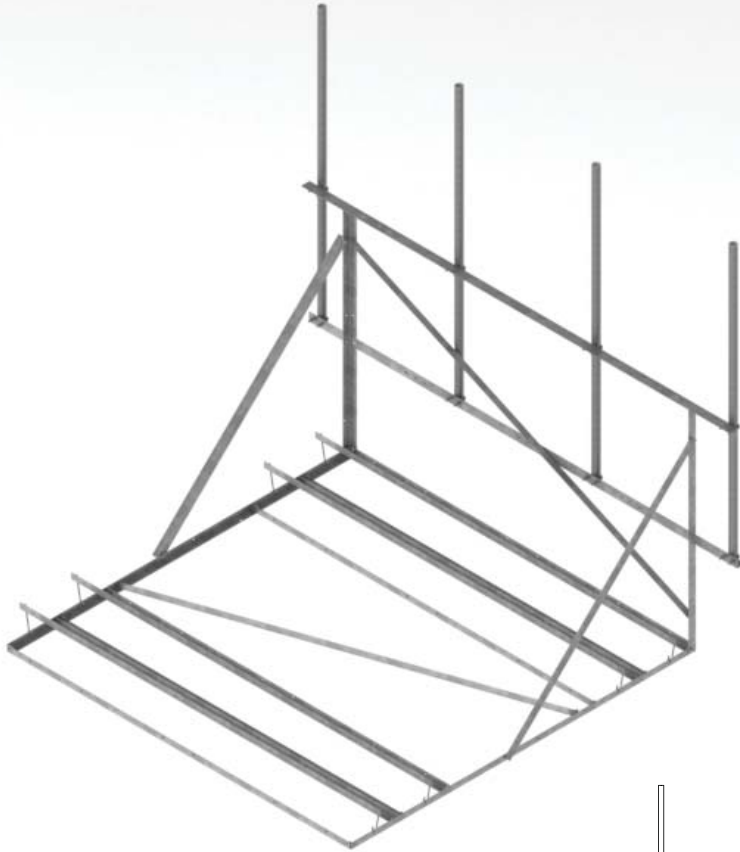
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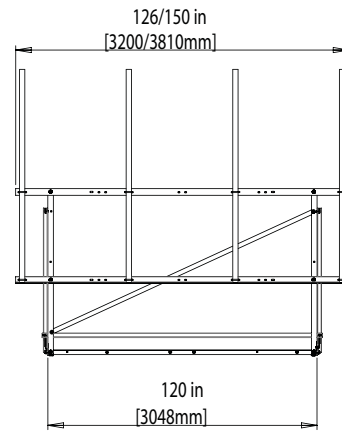
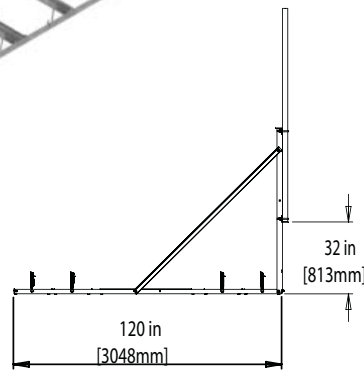


Roof Frames 10'x10' Heavy Duty

- Use these non-penetrating frames to mount an entire sector of antennas without damaging the rooftop.
- Concrete blocks can be used as ballast to secure the frame.
- Roof frames may be purchased with or without antenna pipes as detailed in the kit combinations below.
- 12 rubber mats (T9950KT), sold separately



10'x10' foot print
Heavy Duty



T1910KT

SHOWN: T1910KT12-496
Roof Frame, 12'6" face width and
(4) 96" Antenna Pipes

Material: Galvanized Steel

PART NUMBER CONFIGURATION

T1910KT

7 = 7'6" face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of
Antenna Pipes
per sector.

X = 0 Antenna Pipes

Enter Length
of Antenna Pipe
in inches.

48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1910KT12-496

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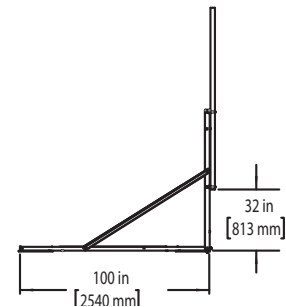
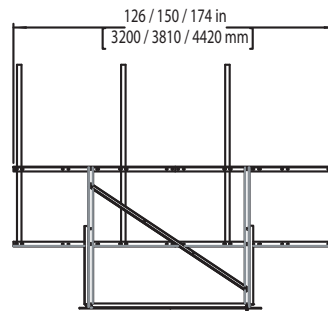
ROOFTOP ANTENNA MOUNTS



H.I

Roof Frames 7.5'x8-1/2' Light Duty

- Use these non-penetrating frames to mount an entire sector of antennas without damaging the rooftop.
- Concrete blocks can be used as ballast to secure the frame.
- Roof frames may be purchased with or without antenna pipes as detailed in the kit combinations below.
- Kit includes 4 rubber mats.



T1915KT

SHOWN: T1915KT12-496
Roof Frame, 12'6" face width and
(4) 96" Antenna Pipes

Material: Galvanized Steel

PART NUMBER CONFIGURATION

T1915KT

7 = 7'6" face width
10 = 10'6" face width
12 = 12'6" face width
14 = 14'6" face width

Enter number of
Antenna Pipes
per sector.

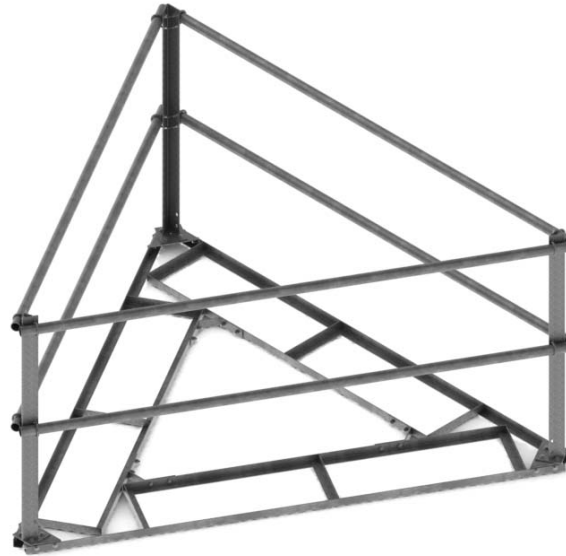
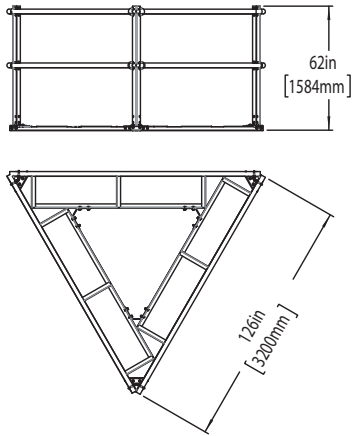
X = 0 Antenna Pipes

Enter Length
of Antenna Pipe
in inches.

48 = 48" 60 = 60"
72 = 72" 96 = 96"
108 = 108" 126 = 126"

EXAMPLE: T1915KT12-496

Tri-Sector Non-Penetrating Roof Frame



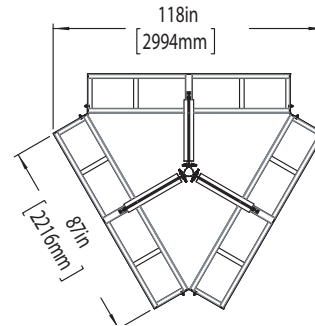
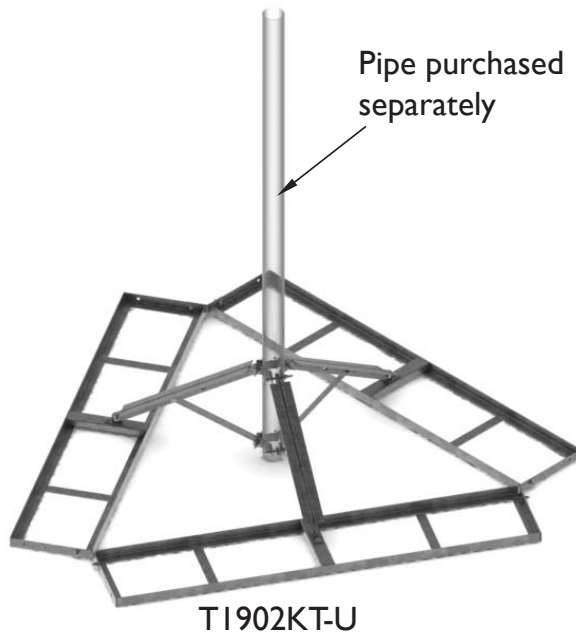
T1927KT

- Antenna pipes sold separately
- Order T1927KT alone for a bolt down application
- T1928KT7 requires 6 rubber mats (purchase separately, see below)
- T1928KT10 requires 9 rubber mats (purchase separately, see below)
- Kits include u-bolts for (9) 2-3/8" OD Antenna pipes

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1927KT7	7' Face Tri-sector roof frame	Each	381.0
T1927KT10	10' Face Tri-sector roof frame	Each	461.0
Ballast Sled For T1927KT			
T1928KT7	Fits T1927KT7 7' Face Tri-sector roof frame	Each	134.0
T1928KT10	Fits T1927KT10 10' Face Tri-sector roof frame	Each	187.0
T9950KT	Rubber mat 18" x 48"	Each	17.0

Tripod Mounts



Wind Loading / Engineering Data

Typical Load: 9.2 ftz Per Sector/Mount Face

Wind Rating: 150 mph (3-sec gust, exposure C)
per IAW ANSI/TIA-222-G-2005 at 200' AGL

T1902KT

- Accepts up to a 4-1/2" OD pipe for heavy duty applications
- Can be used as a single antenna mount or a full sector mount
- Add T1921MT2 to adapt to a 3-sector mount

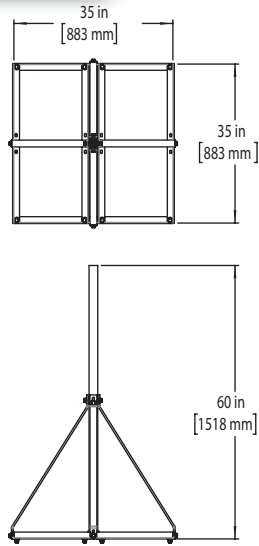
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1902KT-U	Tripod Mount, center pipe purchased separately	Each	375.0
T1902KT-UH	Heavy Duty Mount, center pipe purchased separately	Each	395.0
T9950KT	Rubber mat 18" x 48", 6 required	Each	17.0

Non-Penetrating Ballast Mount

- Compact foot print
- 2 rubber mats required, purchase separately (see below)

T1914KT



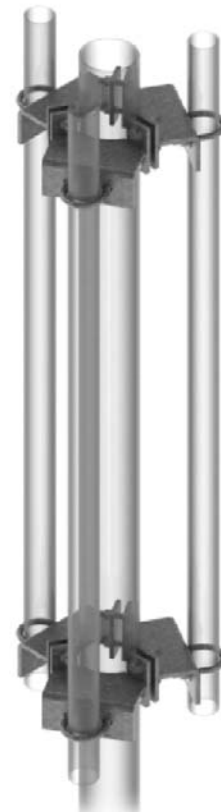
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1914KT	Ballast Mount, 1-7/8" OD center pipe included	Each	49.3
T1914KT2	Ballast Mount, 2-3/8" OD center pipe included	Each	49.3
T9950KT	Rubber mat 18" x 48"	Each	17.0

Tri-Sector Adapter



Pipe Sold Separately



T1921MT2

- Fits 4" OD to 6" OD pipe
- Purchase antenna pipes separately
- Kits include: 2 sets of brackets and all necessary hardware to mount.

Material: Galvanized Steel

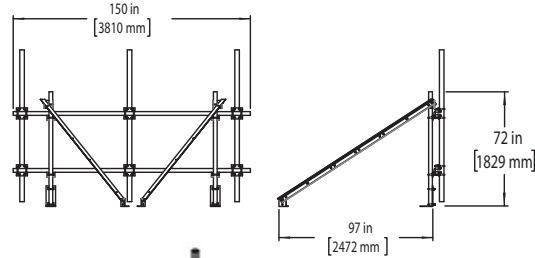
Part No	Description	UOM	Wt (lbs)
T1921MT2	Tri-sector Adapter	Kit of 2	51.8

Roof Frames

Single Sector Penetrating Roof Frames

T1919KT

- This is a common solution when anchoring to a surface
- Face is adjustable
- Order pipe mount kits (T1709KT series) separately to mount antenna pipes
- Antenna pipes not included



Wind Loading and Engineering Data

- IBC 2012
ASCE 7-10
V = 100 MPH
H = z = 100 ft
Exposure C
Risk Category II
Kzt = 1.0
Kd = 0.85
Gz = 0.85
- Maximum load for this assembly:
Front CaAa(ft²) = 54.22
Side CaAa(ft²) = 35.58
- When mounting maximum load, 104" spacing of uprights (item 2) is required and 36" vertical spacing of face pipe (item 3) is required.

Ratio of Solid Area to Gross Area was assumed to be less than 0.3.

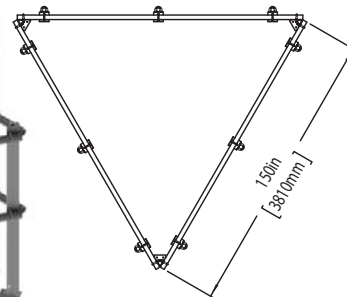
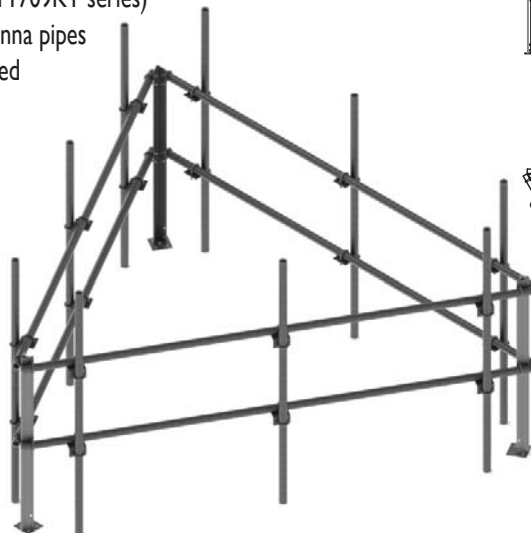
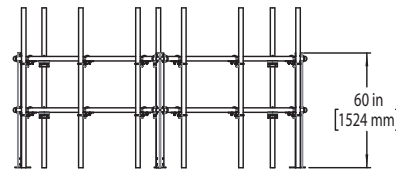
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1919KT	Penetrating Single Sector roof frame, 12'6" face width	Each	276.54

Tri-Sector Penetrating Roof Frames

T1920MTA

- This is a common solution when anchoring to a surface
- Face is adjustable
- Order pipe mount kits (T1709KT series) separately to mount antenna pipes
- Antenna Pipes not included



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1920MTA	Penetrating Tri-Sector roof frame, 12'6" face width	Each	562.0

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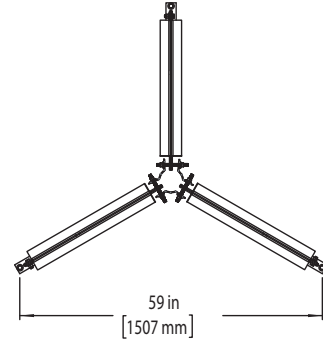
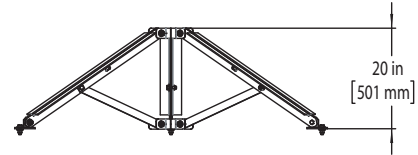
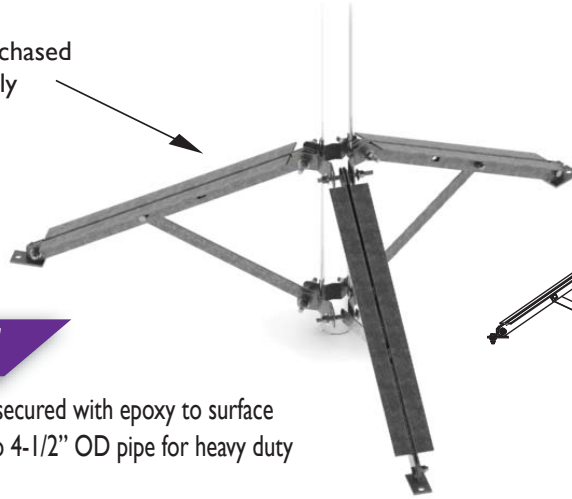
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ROOFTOP ANTENNA MOUNTS



Tripod Mount

Pipe purchased separately



T1902KT

- Can be bolted down or secured with epoxy to surface
- Accepts 2-3/8" OD up to 4-1/2" OD pipe for heavy duty applications
- Can be used as a single antenna mount or a full sector mount
- T1921MT2 can adapt this mount into a 3-sector mount
- Center pipe purchased separately

Wind Loading / Engineering Data	
Typical Load:	9.2 ftz Per Sector/Mount Face
Wind Rating:	150 mph (3-sec gust, exposure C) per IAW ANSI/TIA-222-G-2005 at 200' AGL

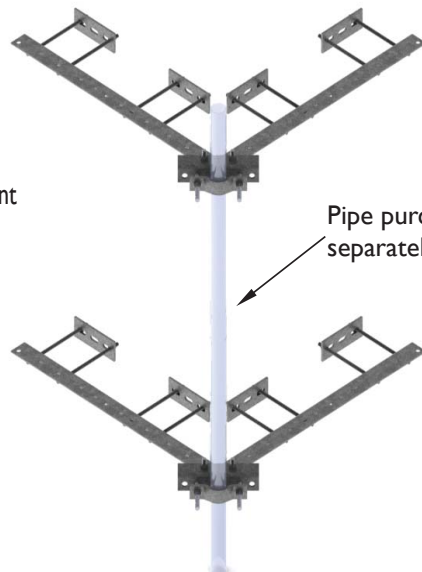
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1902KT-P	Tripod Mount, center pipe purchased separately	Each	90.0
T1902KT-PH	Tripod Mount Heavy Duty, center pipe purchased separately	Each	110.0

Corner Wall Mount

T1207KT

- Allows for a single antenna or a sector of antennas to be mounted to a corner of a wall
- Mount accepts 1-1/4" - 5-3/4" OD Pipe
- T1711KT12 can be purchased separately to create sector mount



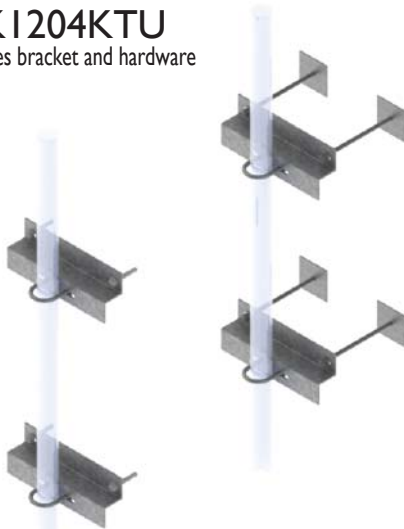
Pipe purchased separately

Material: Galvanized Steel

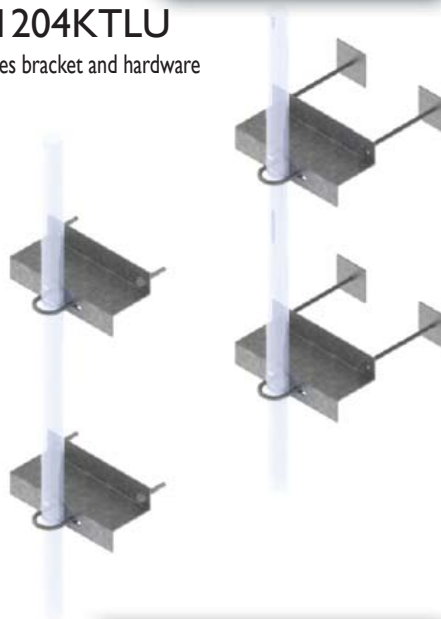
Part No	Description	UOM	Wt (lbs)
T1207KT	Mount only, pipe purchased separately	Kit of 2	66.1
T1207KT6	Includes 2-3/8" OD x 72" long pipe	Each	87.1
T1207KT8	Includes 2-3/8" OD x 96" long pipe	Each	94.1
T1207KT412	Includes 4-1/2" OD x 72" long pipe	Each	120.8

Wall Mounts

K1204KTU
Includes bracket and hardware



T1204KTLU
Includes bracket and hardware



T1204KT

T1208KT



T1208MT100S

T1208KTH



T1203KT

T1203MT63H

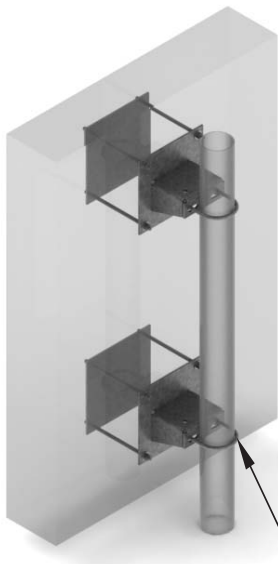


T1203MT63S

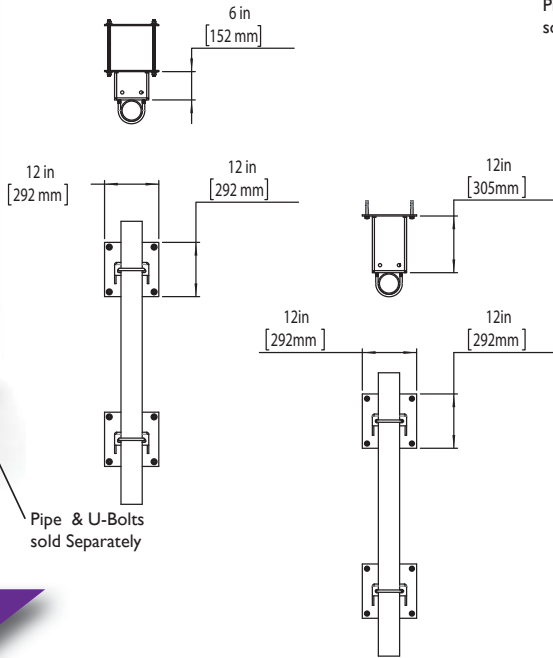
Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Z-Style For 2-3/8" OD Pipe, pipe purchased separately			
T1204KTU	Universal Wall Mount Kit, 3" Standoff, Includes brackets/hardware	Kit of 2	21.9
T1204KTLU	Universal Wall Mount Kit, 6" Standoff, Includes brackets/hardware	Kit of 2	21.9
T1204KT	U-bolts only, order mounting hardware and brackets separately	Kit of 2	12.9
K1204KTH-H	Hollow wall mounting hardware. Brackets not included	Kit of 2	7.1
K1204KTS-H	Solid wall mounting hardware. Brackets not included	Kit of 2	1.0
Clamp Style For Up to 3-1/2" OD Pipe, pipe purchased separately			
T1208KTH	For hollow walls	Kit of 2	21.5
T1208MT100S	For solid walls	Kit of 2	12.8
Welded Wall Mount With 63" Long, 2-3/8" OD Pipe			
T1203MT63H	For hollow walls	Each	48.2

Wall Mounts

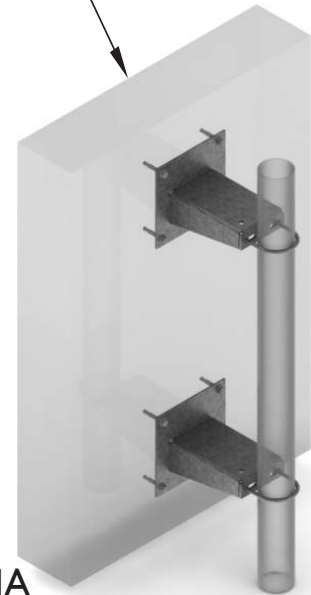


T1209KTHA



Pipe & U-Bolts sold separately

Pipe & U-Bolts sold Separately



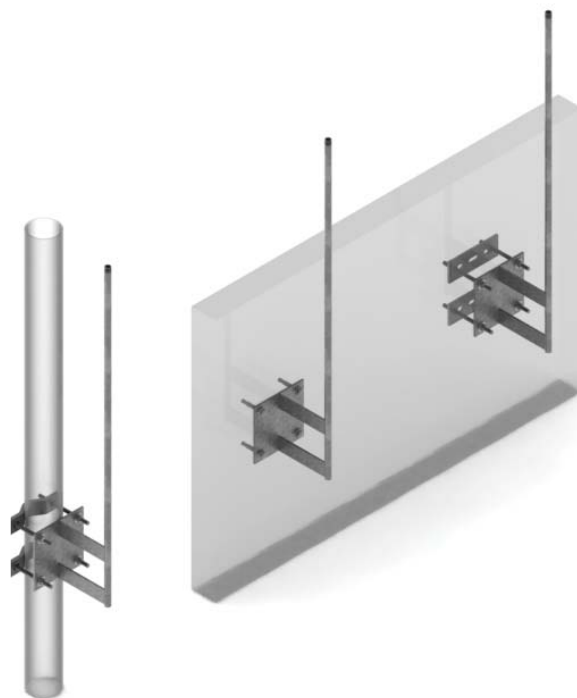
T1209KTLHA

Material: Galvanized Steel

T1209KT

- Heavy Duty for 2-3/8" to 4-1/2" OD Pipe
- Pipe purchased separately

Part No	Description	UOM	Wt (lbs)
T1209KTHA	Universal for solid or hollow walls, 6" stand-off	Kit of 2	61.7
T1209KTLHA	Universal for solid or hollow walls, 12" stand-off	Kit of 2	52.8
T1209KTLS	Wall mount/12" stand-off solid wall NP	Kit of 2	52.5
T1209KTS	Adjustable wall mount for solid wall	Kit of 2	39.1



T1202KT

- GPS Welded Wall/Pipe Mounts may mount to Hollow or Solid Walls or up to 5-3/4" OD Pipe
- All mounting hardware included

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T1202KT34	3/4" OD x 48" pipe	Each	42.3

Rooftop Bridge Kits, Self-Splicing



T3604KT4-S
8' Long, 3-1/2" Deep
11-1/4" wide for
4 runs



T3604KT8-S
8' Long, 3-1/2" Deep
21-1/2" wide for
8 runs



T3604KT12-S
8' Long, 3-1/2" Deep
32-3/4" wide for
12 runs

T3604KT

Standard Style, 3-1/2" Loading Height

- Non-penetrating method for supporting cable runs
- Standard Style has 3-1/2" of loading space and allows for a single tier of lines
- 3 PVC sleepers with 3/4" holes and all attachment hardware are included in every kit
- Purchase turns and risers separately

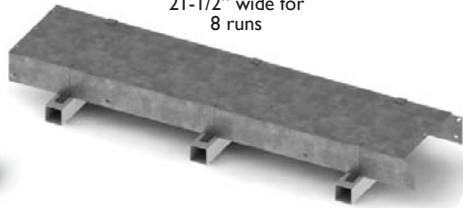
*Sleeper rubber mats are purchased separately

Material: Galvanized Steel

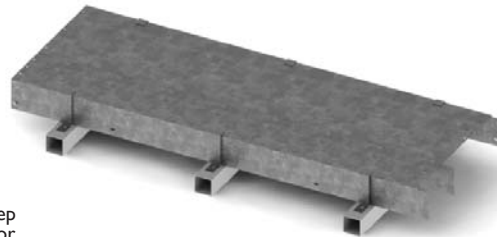
Part No	Description	UOM	Wt (lbs)
T3604KT4-S	11-1/4" wide for 4 runs	Each	73.6
T3604KT8-S	21-1/2" wide for 8 runs	Each	108.6
T3604KT12-S	32-3/4" wide for 12 runs	Each	169.6
T3600MTP4	Sleeper rubber mats, 4" x 10' x 1/4"	10ft	5.0



T3606KT4
8' Long, 7" Deep
11-1/4" wide for
4 runs



T3606KT8
8' Long, 7" Deep
21-1/2" wide for
8 runs



T3606KT12
8' Long, 7" Deep
32-3/4" wide for
12 runs

T3606KT

Deep Style For Multiple Tiers of Cables, 7" Loading Height

- Non-penetrating method for supporting cable runs
- Deep Style has 7" of loading space which allows 3 tiers of 7/8" cable or 2 tiers of 1-5/8" cable
- 3 PVC sleepers with 3/4" holes and all attachment hardware are included in every kit
- Purchase Multi-Run Snap-In Hangers separately
- Purchase turns and risers separately

*Sleeper rubber mats are purchased separately

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T3606KT4	11-1/4" wide for 4 runs	Each	98.6
T3606KT8	21-1/2" wide for 8 runs	Each	133.6
T3606KT12	32-3/4" wide for 12 runs	Each	219.6
T3600MTP4	Sleeper rubber mats, 4" x 10' x 1/4"	10ft	5.0

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ROOFTOP CABLE SUPPORT

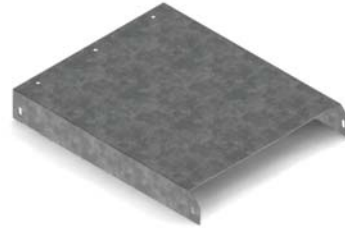
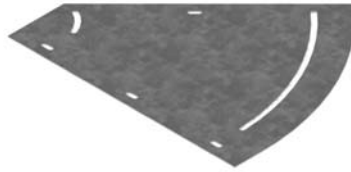
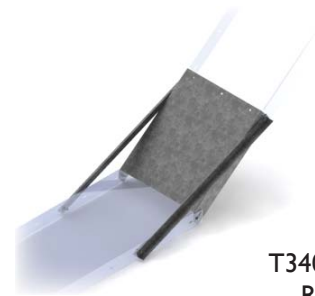


Adjustable Splices/Turns for Roof Top Bridge Kits and Wall Kits

T3207MT
Adjustable Splice



T3403MT8
Riser

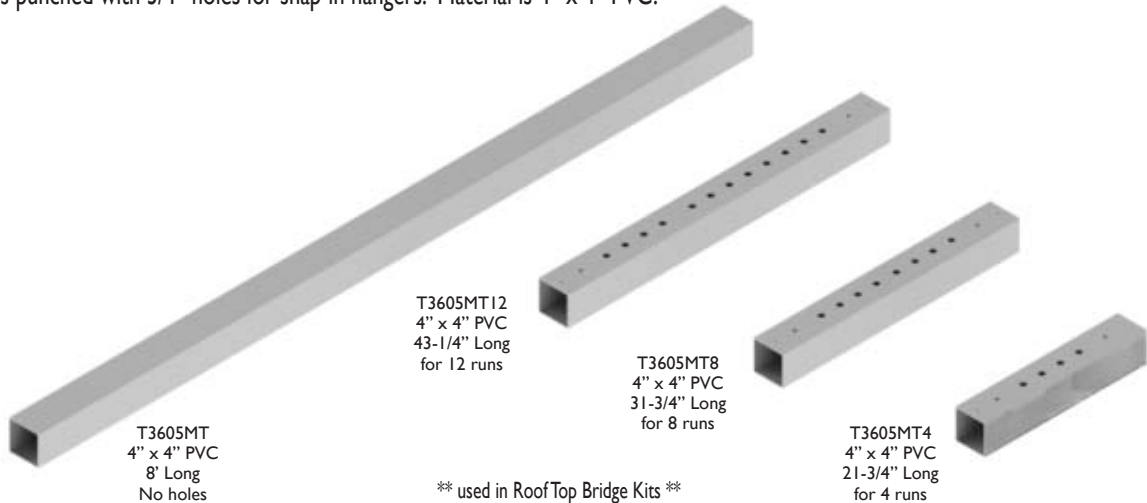


Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Adjustable Splice, hardware included			
T3206MT	For 4 run bridge kit	Each	3.2
T3207MT	For 8 run bridge kit	Each	8.2
T3209MT	For 12 run bridge kit	Each	19.2
** One adjustable splice will allow up to a 45 degree turn. Attaching two splices together will allow up to a 90 degree turn. **			
Riser/Extension kit, hardware included			
T3403MT4	For 4 run bridge kit	Each	17.8
T3403MT8	For 8 run bridge kit	Each	25.4
** Allows for vertical adjustment of up to 45 degrees. **			

Roof Sleepers

Non-penetrating method of providing support for cable runs on rooftops. Each sleeper is punched with 3/4" holes for snap-in hangers. Material is 4" x 4" PVC.



** used in RoofTop Bridge Kits **

Part No	Description	UOM	Wt (lbs)
T3605MT	8' long, no holes	Each	15.0
T3605MT4**	For 4 runs of coax	Each	3.0
T3605MT6	For 6 runs of coax	Each	6.0
T3605MT8**	For 8 runs of coax	Each	6.3
T3605MT9	For 9 runs of coax	Each	6.4
T3605MT12**	For 12 runs of coax	Each	8.0
T3600MTP4	Sleeper rubber mats, 4' x 10'	10ft	5.0

Wall Coax Kits, Self-Splicing

T3700KT

Wall Coax Kits
 8' Long Sections
 3-1/2" Deep
 11-1/4" for 4 runs
 21-1/2" for 8 runs
 32-3/4" for 12 runs

- Wall coax kits provide a simple low profile solution for running coax along a wall
- They come in three sizes: 4 run, 8 run, and 12 run.
- Each section is 8' long
- Turns are optional based on the application and the installers' preference

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T3700KT4	For 4 runs of cable	Each	45.0
T3700KT8	For 8 runs of cable	Each	61.0
T3700KT12	For 12 runs of cable	Each	92.0



Wall Coax Covers for Multiple Tiers of Cable

T3750KT

Wall Coax Kits
 8' Long Sections
 9" Deep
 12-1/2" for 4 runs
 23-1/2" for 8 runs
 35-1/2" for 12 runs

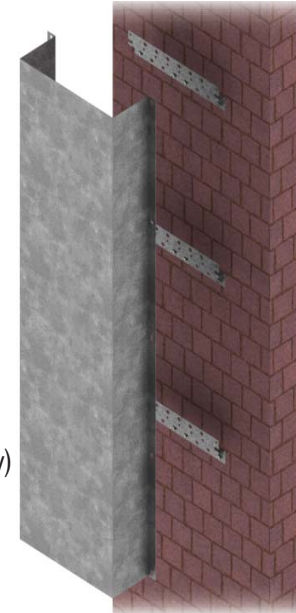
- Cover will house 3 tiers of 7/8" cable or 2 tiers of 1-5/8" cable
- Various widths fit conveniently over z-brackets that are purchased separately (see below)
- Covers are bolted to wall independent of z-brackets for ease of installation
- Purchase Multi-Run Snap-In Hangers separately

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
Wall Coax Cover, z-brackets purchased separately (see below)			
T3750KT4	Use with 4 run z-bracket (T9451MT12)	Each	75.2
T3750KT8	Use with 8 run z-bracket (T9452MT12)	Each	102.3
T3750KT12	Use with 12 run z-bracket (T9450MT12)	Each	127.4

Z-Brackets, mounting hardware purchased separately

T9451MT12	12" wide, 4 runs	Each	2.4
T9452MT12	23" wide, 8 runs	Each	5.4
T9450MT12	35" wide, 12 runs	Each	8.0



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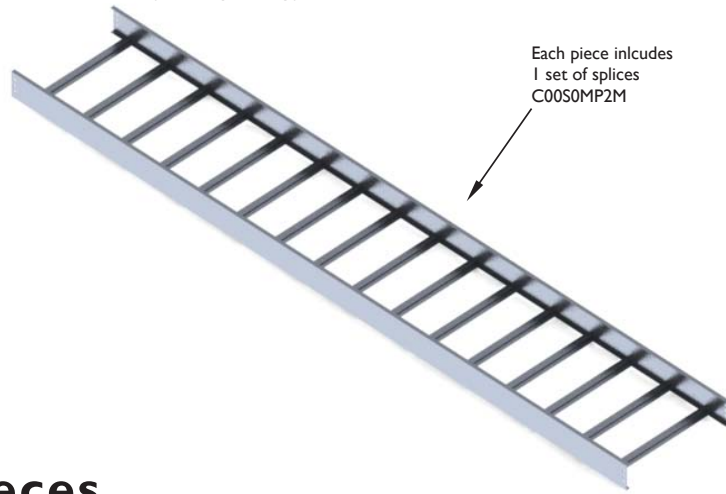
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ROOFTOP CABLE SUPPORT



Aluminum Cable Tray

Cable tray is used in roof top applications to provide support and protection for coaxial cable. The various bends and functions listed below allow for a customized design to fit your specific needs. All covers are flat and fastened with either cover clamps or sheet metal screws (sold separately).



Straight Pieces

Part No	Description	UOM	Wt (lbs)
Straight Section 4-1/2" Rail, 3-1/2" Loading depth			
C0010MP12-144	12" wide, 12' long	Each	17.3
C0010MP18-144	18" wide, 12' long	Each	19.1
C0010MP24-144	24" wide, 12' long	Each	20.9
Covers For Straight Section			
C0030MP12-144	12" wide, 12' long	Each	7.2
C0030MP18-144	18" wide, 12' long	Each	10.6
C0030MP24-144	24" wide, 12' long	Each	14.0

90 Degree Bend



Part No	Description	UOM	Wt (lbs)
90 Degree Bend, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius			
C0012MP12H90-24	12" wide	Each	6.7
C0012MP18H90-24	18" wide	Each	8.1
C0012MP24H90-24	24" wide	Each	9.4
Covers for 90 Degree Bends			
C0031MP12H90-24	12" cover	Each	2.6
C0031MP18H90-24	18" cover	Each	4.1
C0031MP24H90-24	24" cover	Each	5.9

45 Degree Bend



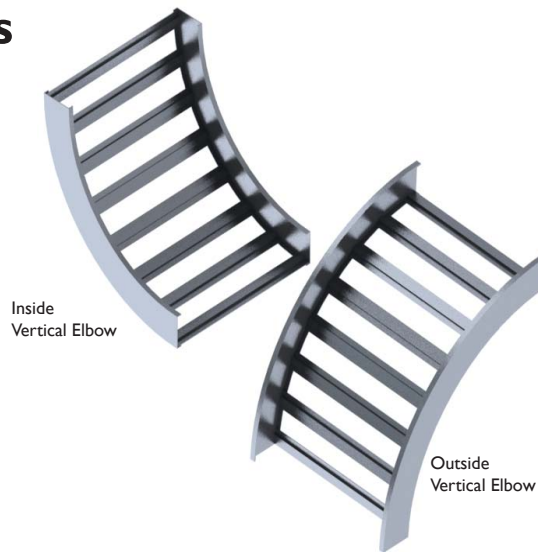
Material: Aluminum

Part No	Description	UOM	Wt (lbs)
45 Degree Bend, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius			
C0012MPI2H45-24	12" wide	Each	4.1
C0012MPI8H45-24	18" wide	Each	4.8
C0012MP24H45-24	24" wide	Each	5.5

Covers for 45 Degree Bend, 24" Radius

C0031MPI2H45-24	12" wide	Each	1.4
C0031MPI8H45-24	18" wide	Each	2.2
C0031MP24H45-24	24" wide	Each	3.1

Vertical Bends



Material: Aluminum

Part No	Description	UOM	Wt (lbs)
90 Degree INSIDE VERTICAL ELBOW, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius			
C0012MPI2VI90-24	12" wide	Each	7.6
C0012MPI8VI90-24	18" wide	Each	8.2
C0012MP24VI90-24	24" wide	Each	8.9

Covers for 90 Degree INSIDE VERTICAL ELBOW, 24" Radius

C0031MPI2VI90-24	12" wide	Each	2.1
C0031MPI8VI90-24	18" wide	Each	3.0
C0031MP24VI90-24	24" wide	Each	4.0

90 Degree OUTSIDE VERTICAL ELBOW, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius

C0012MPI2VO90-24	12" wide	Each	7.6
C0012MPI8VO90-24	18" wide	Each	8.2
C0012MP24VO90-24	24" wide	Each	8.9

Covers for 90 Degree OUTSIDE VERTICAL ELBOW, 24" Radius

C0031MPI2VO90-24	12" wide	Each	2.6
C0031MPI8VO90-24	18" wide	Each	3.8
C0031MP24VO90-24	24" wide	Each	5.0

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ROOFTOP CABLE SUPPORT



Horizontal Tee



Material: Aluminum

Part No	Description	UOM	Wt (lbs)
Horizontal Tee, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius (Any configurations are available, call for information)			
C001IMP12T-24	12" wide openings	Each	11.5
C001IMP18T-24	18" wide openings	Each	13.5
C001IMP24T-24	24" wide openings	Each	15.1

Covers for Tees

C003IMP12T-24	12" wide	Each	5.4
C003IMP18T-24	18" wide	Each	8.0
C003IMP24T-24	24" wide	Each	11.1

Horizontal Cross



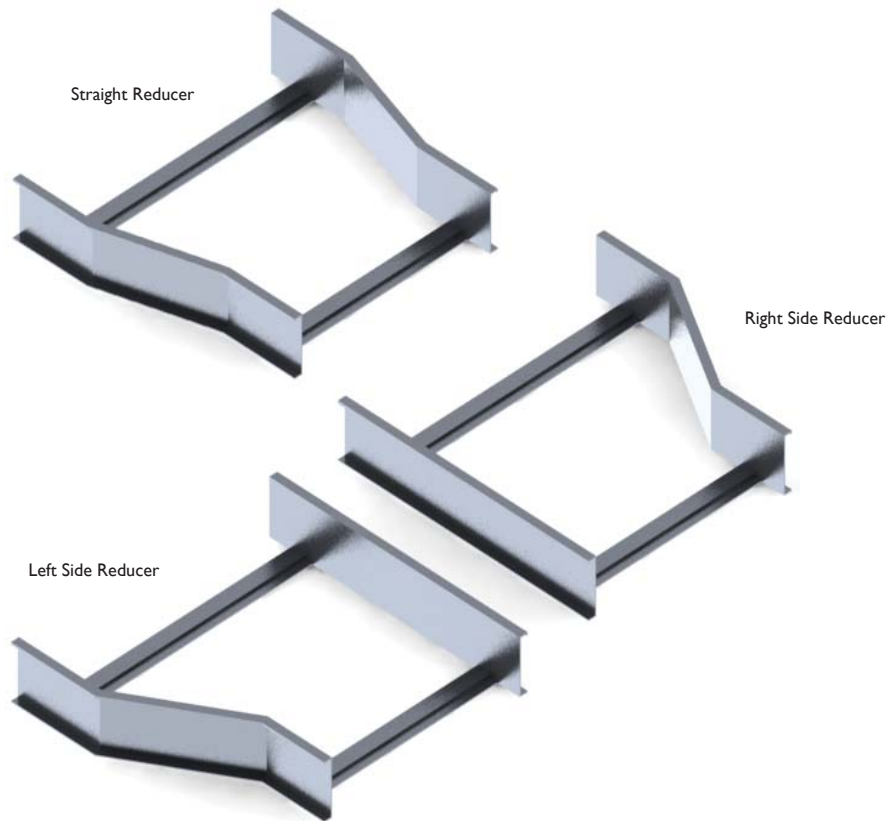
Material: Aluminum

Part No	Description	UOM	Wt (lbs)
Horizontal Cross, 4-1/2" Rail, 3-1/2" Loading Depth, 24" Radius (Any configurations are available, call for information)			
C001IMP12X-24	12" wide openings	Each	14.7
C001IMP18X-24	18" wide openings	Each	16.8
C001IMP24X-24	24" wide openings	Each	18-1/2

Covers for Cross

C003IMP12X-24	12" wide	Each	8-1/2
C003IMP18X-24	18" wide	Each	11.7
C003IMP24X-24	24" wide	Each	15.2

Horizontal Reducers



Material: Aluminum

Part No	Description	UOM	Wt (lbs)
Straight Reducers			
C0012MPI8R12	12" x 18" width	Each	2.5
C0012MP24R12	12" x 24" width	Each	2.7
C0012MP24R18	18" x 24" width	Each	2.7
Covers for Straight Reducers			
C0031MPI8R12	12" x 18" width	Each	0.7
C0021MP24R12	12" x 24" width	Each	0.9
C0031MP24R18	18" x 24" width	Each	1.0
Left Side Reducer			
C0012MPI8R12L	12" x 18" width	Each	2.5
C0012MP24R12L	12" x 24" width	Each	2.9
C0012MP24R18L	18" x 24" width	Each	2.7
Covers for Left Side Reducers			
C0031MPI8R12L	12" x 18" width	Each	0.7
C0031MP24R12L	12" x 24" width	Each	0.9
C0031MP24R18L	18" x 24" width	Each	1.0
Right Side Reducer			
C0012MPI8R12R	12" x 18" width	Each	2.5
C0012MP24R12R	12" x 24" width	Each	2.9
C0012MP24R18R	18" x 24" width	Each	2.7
Covers for Right Side Reducers			
C0031MPI8R12R	12" x 18" width	Each	0.7
C0031MP24R12R	12" x 24" width	Each	0.9
C0031MPI8R12R	18" x 24" width	Each	1.0

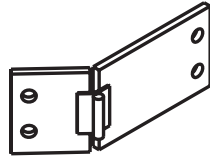
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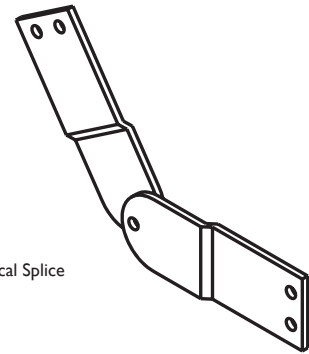
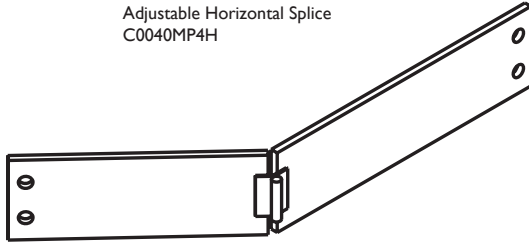
ROOFTOP CABLE SUPPORT



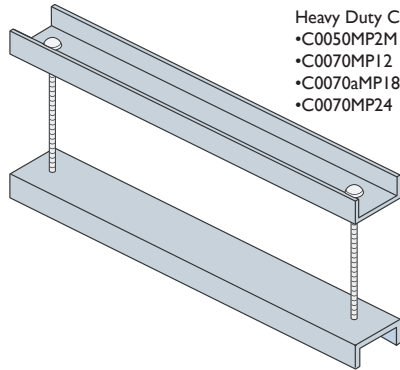
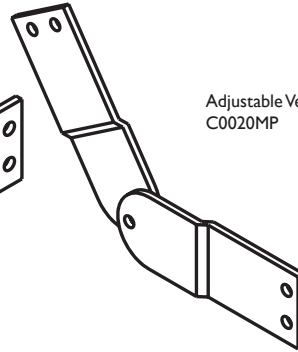
Cable Tray Accesories



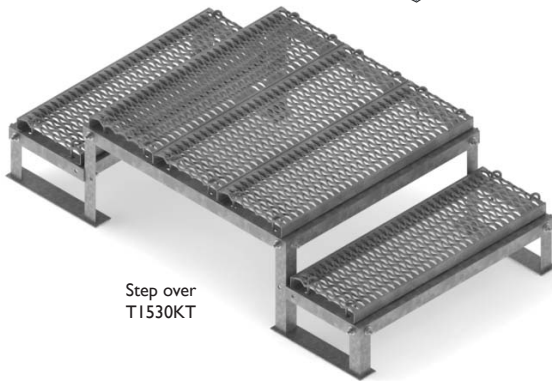
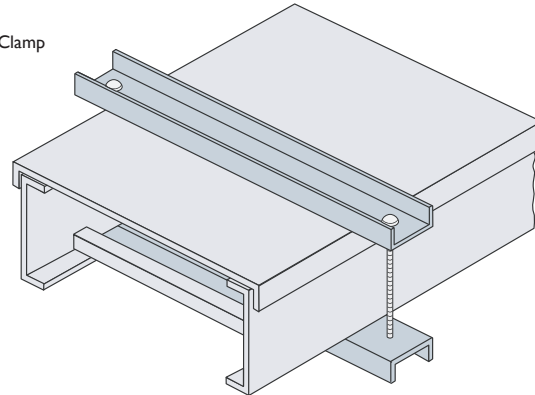
Adjustable Horizontal Splice
C0040MP4H



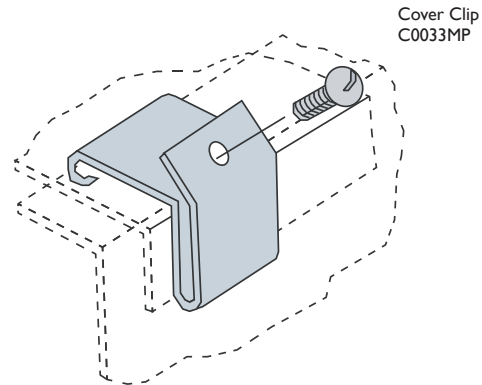
Adjustable Vertical Splice
C0020MP



Heavy Duty Cover Clamp
•C0050MP2M
•C0070MP12
•C0070aMP18
•C0070MP24



Step over
T1530KT



Cover Clip
C0033MP

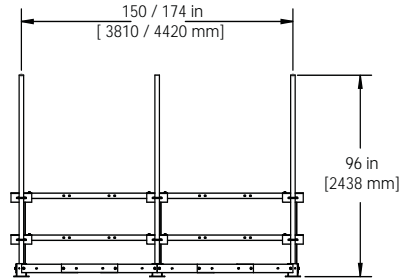
Part No	Description	UOM	Wt (lbs)
Splice Kits			
C0040MP4H	Adjustable Horizontal Splice	Pair	3.0
C0020MP	Adjustable Vertical Splice	Pair	2.0
C0050MP2M	Standard Straight Splice	Pair	1.0
Cover Clamps			
C0070MP12	Heavy Duty for 12" width tray	Each	4.5
C0070MP18	Heavy Duty for 18" width tray	Each	5.5
C0070MP24	Heavy Duty for 24" width tray	Each	6.5
C0033MP	Cover clips, install every 3'-4'	Each	3.5
Step Over			
T1530KT	Step over assembly for up to 24" wide tray	Each	210.6

Water Tower Sector Frames

These bolt together frames provide solutions for mounting entire antenna sectors on top of a water tower, even when the surface is uneven. All versions include an upper and lower handrail and a lower toe board. Pipe mounts are included in all versions but the quantities vary based upon the style and face length as detailed in the table below. All mounting hardware is included.



T5452KT

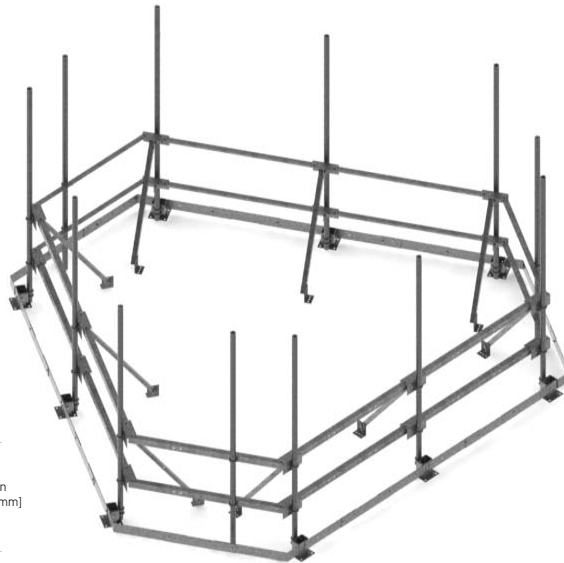
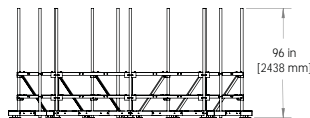
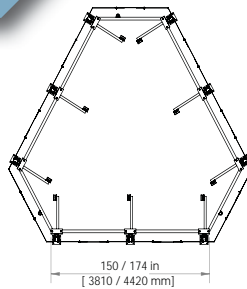


Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5452KT12-3	Water tower roof top frame, 1 sector, 12' face, (3) 96" antenna pipes	Each	356.0
T5452KT12-4	Water tower roof top frame, 1 sector, 12' face, (4) 96" antenna pipes	Each	414.0
T5452KT14-3	Water tower roof top frame, 1 sector, 14' face, (3) 96" antenna pipes	Each	431.0
T5452KT14-4	Water tower roof top frame, 1 sector, 14' face, (4) 96" antenna pipes	Each	490.0

T5450KT

T5451KT



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5450KT12	Water tower roof top frame, 3 sector, 12' face, (9) 96" antenna pipes	Each	1308.0
T5451KT12	Water tower roof top frame, 3 sector, 12' face, (12) 96" antenna pipes	Each	1420.0
T5450KT14	Water tower roof top frame, 3 sector, 14' face, (9) 96" antenna pipes	Each	1850.0
T5451KT14	Water tower roof top frame, 3 sector, 14' face, (12) 96" antenna pipes	Each	1980.0

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WATER TOWER ANTENNA MOUNTS

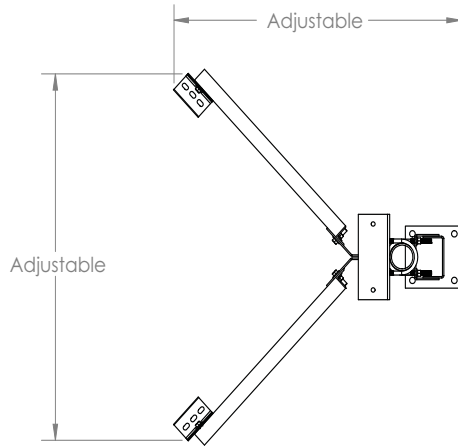


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Single Antenna Mount

T5453KT

- Ideal for single pipe water tank applications
- Accepts 2-3/8" OD pipe (sold separately)



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5453KTA	Single antenna mount with u-bolts for 2-3/8" OD pipe	Each	81.0

Handrail/Guardrail Mount

T5451KT2

- Ideal for water tank hand rails
- Accepts 2-3/8" OD pipe (sold separately)

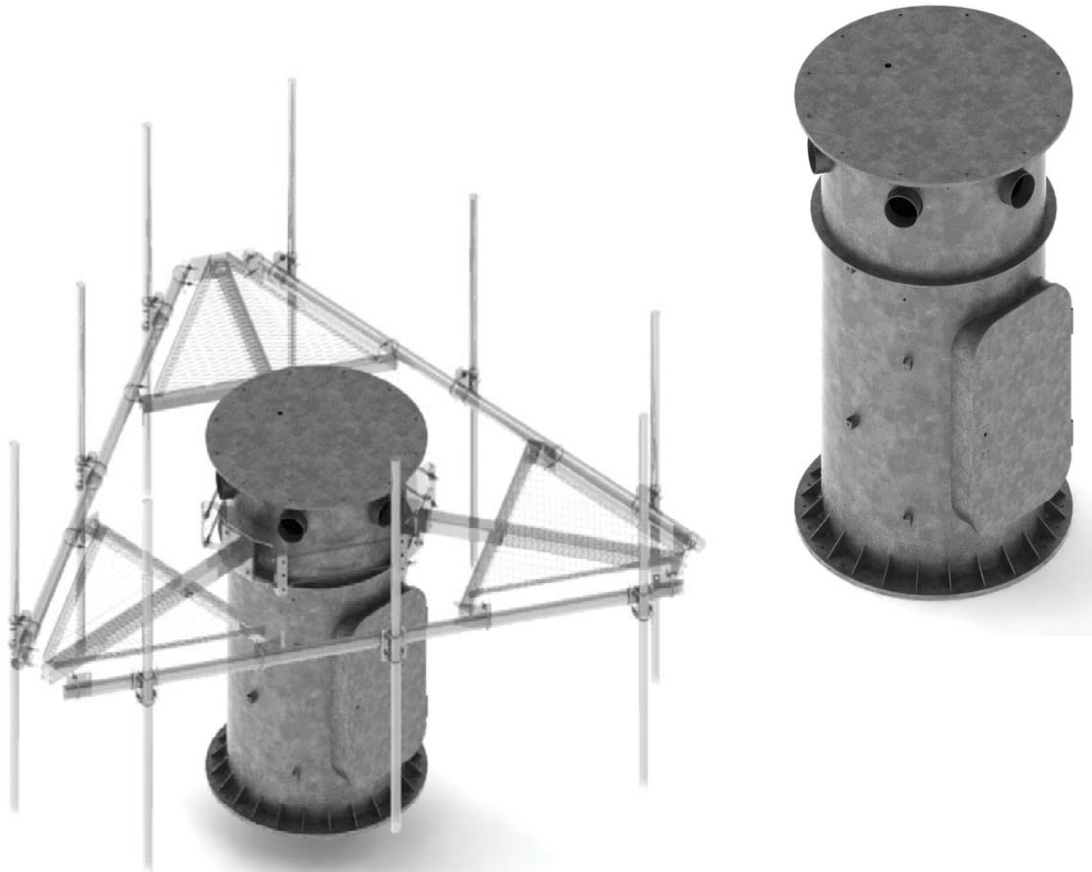


Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5451KT2	Antenna hand rail mount, with u-bolts for 2-3/8" OD pipe	Each	29.3

Stackable Pod Mounts

Designed for mounting full antenna sectors on top of a fluted column or pedisphere type water tower. The three sector platforms and ring mounts are easily attached to the pod mount. The pod mount can be ordered alone or with a ring mount and platform included as detailed in the tables below. Pipe and pipe mounts are ordered separately. All mounting hardware is included.



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5410KT	Stackable pod mount	Each	2100
T5410KT126	Stackable pod mount, with ring mount and 12' 6" platform	Each	3350
T5410KT146	Stackable pod mount, with ring mount and 14' 6" platform	Each	3450

Stackable Pod Mount Extension

The stackable pod mount extension provides 1' of extension to either the top or bottom of the stackable pod mount assembly. This extension provides additional cable entry ports as well as increasing the height. All mounting hardware is included.



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T5411KTA	Stackable pod mount extension, 1'	Each	450

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WATER TOWER ANTENNA MOUNTS





WATER TOWER CABLE SUPPORT

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Multi-Run Snap-In Hangers

- Piggy-back 3 deep when using 1/2" or 7/8" cable
- Piggy-back 2 deep when using 1-1/4" or 1-5/8" cable
- Fits smooth wall or corrugated cable



Material: Stainless Steel

Part No	Description	UOM	Wt (lbs)
T9303ANI2	For use with 1/2" Smooth or Corrugated Cable	Kit of 10	0.7
T9303AN78	For use with 7/8" Smooth or Corrugated Cable	Kit of 10	1.2
T9303ANI14	For use with 1-1/4" Smooth or Corrugated Cable	Kit of 10	1.3
T9303ANI58	For use with 1-5/8" Smooth or Corrugated Cable	Kit of 10	1.5

Snap-In Hangers

- Fits smooth wall or corrugated cable



Standard Snap-In

Material: Stainless Steel

Part No	Description	UOM	Wt (lbs)
T9362MT14	For use with 1/4" cable	Kit of 10	0.6
T9362MT38	For use with 3/8" cable	Kit of 10	0.7
T9362MT12	For use with 1/2" cable	Kit of 10	0.8
T9362MT58	For use with 5/8" cable	Kit of 10	1.0
T9362MT78	For use with 7/8" cable	Kit of 10	1.2
T9362MT114	For use with 1-1/4" cable	Kit of 10	1.3
T9362MT158	For use with 1-5/8" cable	Kit of 10	1.5
T9362MT214	For use with 2-1/4" cable	Kit of 10	1.7
T9108KT			
T9380KT47			
T9380KT1416			
T9380KT710			
T9380KT1014			

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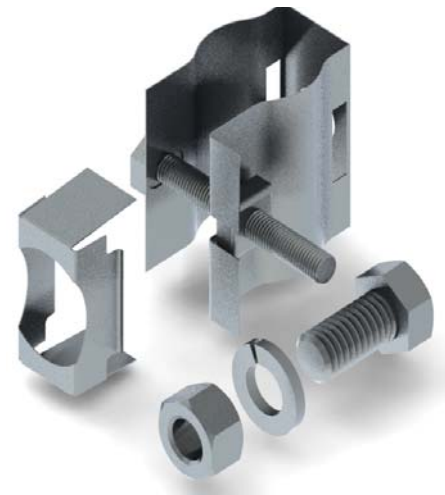
CABLE SUPPORT ACCESSORIES



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Butterfly Hangers

Traditional option for securing coaxial cable safely in place. The included hardware allows the butterfly hanger to be used with Angle Adapters or Round Member Adapters.



Material: Stainless Steel

Part No	Description	UOM	Wt (lbs)
T9300MT14	For use with coaxial cable, 1/4"	Kit of 10	1.0
T9300MT38S	For use with coaxial cable, 3/8"	Kit of 10	1.0
T9300MT12	For use with coaxial cable, 1/2"	Kit of 10	1.0
T9300MT58	For use with coaxial cable, 5/8"	Kit of 10	1.1
T9300MT78	For use with coaxial cable, 7/8"	Kit of 10	1.1
T9300MT114	For use with coaxial cable, 1-1/4"	Kit of 10	1.4
T9300MT158	For use with coaxial cable, 1-5/8"	Kit of 10	1.5
T9300MT214	For use with coaxial cable, 2-1/4"	Kit of 10	1.5
T9300KT127	For use with the EW127, 136 elliptical waveguide	Kit of 10	1.1
T9300KT90	For use with the EW90 elliptical waveguide	Kit of 10	1.1
T9300KT77	For use with the EW77 elliptical waveguide	Kit of 10	1.3
T9300KT64	For use with the EW64 elliptical waveguide	Kit of 10	1.4
T9300KT52	For use with the EW52 elliptical waveguide	Kit of 10	1.5

Clip Hangers

Clip Hangers offer an alternative design for securing coaxial cable in place. The clip locks the cable safely in place. The Clip Hangers use the included 3/8" mounting hardware to attach to pre-drilled mounting accessories or tower members.



Material: Stainless Steel

Part No	Description	UOM	Wt (lbs)
T9320MT12	For use with 1/2" coaxial cable	Kit of 10	0.8
T9320MT78	For use with 7/8" coaxial cable	Kit of 10	0.8
T9320MT114	For use with 1-1/4" coaxial cable	Kit of 10	1.1
T9320MT158	For use with 1-5/8" coaxial cable	Kit of 10	1.3

Mini Cable Support Blocks

- Each block supports 2 cables and can be stacked 3 high
- Can be mounted anywhere 3/8" mounting hardware can be attached
- Durable, UV resistant polypropylene



Material: Polycarbonate

Part No	Description	UOM	Wt (lbs)
T9461MT	For use with 1/2" corrugated	Kit of 10	1.0
T9467MT	For use with 7/8" corrugated	Kit of 10	1.2
T9460MT	For use with 1-1/4" corrugated	Kit of 10	1.4
T9462MT	For use with 1-5/8" corrugated or smooth wall	Kit of 10	1.8
T9464MT	For use with 2-1/4" corrugated	Kit of 10	3.3

Large Cable Support Blocks

- Each block supports 2 cables and can be stacked 3 high
- Can be mounted anywhere 3/8" mounting hardware can be attached
- Durable, UV resistant polycarbonate



Shown: T9462MTL - 1-5/8" size

Material: Polycarbonate

Part No	Description	UOM	Wt (lbs)
T9471MTL	For use with 1/4" corrugated	Kit of 10	1.0
T9472MTL	For use with 3/8" corrugated	Kit of 10	1.2
T9461MTL	For use with 1/2" corrugated	Kit of 10	1.0
T9467MTL	For use with 7/8" corrugated	Kit of 10	1.2
T9460MTL	For use with 1-1/4" corrugated	Kit of 10	1.4
T9462MTL	For use with 1-5/8" corrugated or smooth wall	Kit of 10	1.8

Hardware for Mini Coax Blocks

- (1) kit contains (10) 3/8" threaded rod and (30) nuts, lock washers, and flat washers



Part No	Description	UOM	Wt (lbs)
Galvanized Steel Hardware			
T9919KT2GA	For stacking 2 coax blocks, 8" threaded rod, Galvanized	Kit of 10	2.6
T9919KT3GA	For stacking 3 coax blocks, 12" threaded rod, Galvanized	Kit of 10	3.2
Stainless Steel Hardware			
T9919KT2A	For stacking 2 coax blocks, 8" threaded rod, SST	Kit of 10	2.6
T9919KT3A	For stacking 3 coax blocks, 12" threaded rod, SST	Kit of 10	3.2

Mounting Bracket for Mini Coax Blocks

- Bracket allows for support blocks and other hangers to fasten to flat surfaces

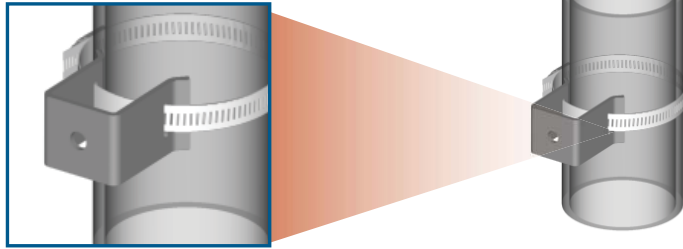


Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9973MT	Mounting bracket	Kit of 10	4.7

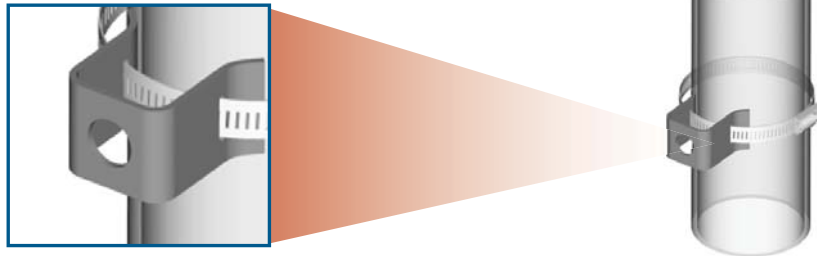
Round Member Stand-Off Adapters

- Allows cable hangers to be mounted to round members
- 3/8" tapped version accepts 3/8" hardware
- 3/4" hole version accepts snap-in hangers
- Insert kits convert 3/4" hole into 3/8" tapped hole



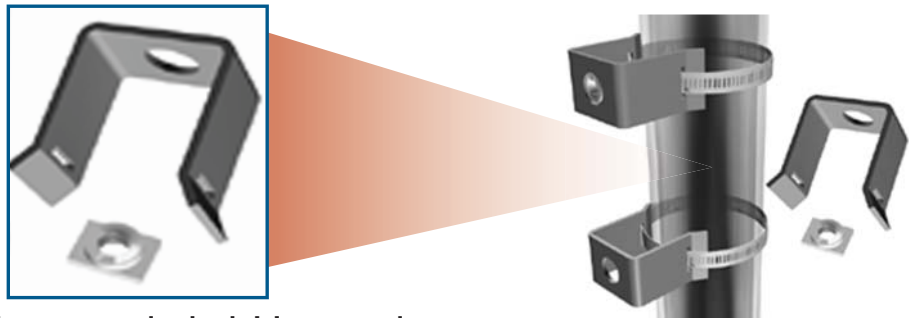
3/8" Tapped Hole

Part No	Description	UOM	Wt (lbs)
T9122MT	Stand-off only - no hose clamp	Kit of 10	2.9
T9122MT1-2	For 2" OD or smaller round members	Kit of 10	3.8
T9122MT2-3	For 2" - 3" OD round members	Kit of 10	3.8
T9122MT3-4	For 3" - 4" OD round members	Kit of 10	4.0
T9122MT4-5	For 4" - 5" OD round members	Kit of 10	4.1
T9122MT5-6	For 5" - 6" OD round members	Kit of 10	4.4
T9122MT6-8	For 6" - 8" OD round members	Kit of 10	4.5
T9122MT8-10	For 8" - 10" OD round members	Kit of 10	4.8



3/4" Hole

Part No	Description	UOM	Wt (lbs)
T9120MT	Stand-off only - no hose clamp	Kit of 10	2.9
T9120MT1-2	For 2" OD or smaller round members	Kit of 10	3.8
T9120MT2-3	For 2"-3" OD members	Kit of 10	3.9
T9120MT3-4	For 3"-4" OD members	Kit of 10	4.0
T9120MT4-5	For 4"-5" OD members	Kit of 10	4.1
T9120MT5-6	For 5"-6" OD members	Kit of 10	4.1
T9120MT6-8	For 6"-8" OD members	Kit of 10	4.3
T9120MT8-10	For 8"-10" OD members	Kit of 10	4.5

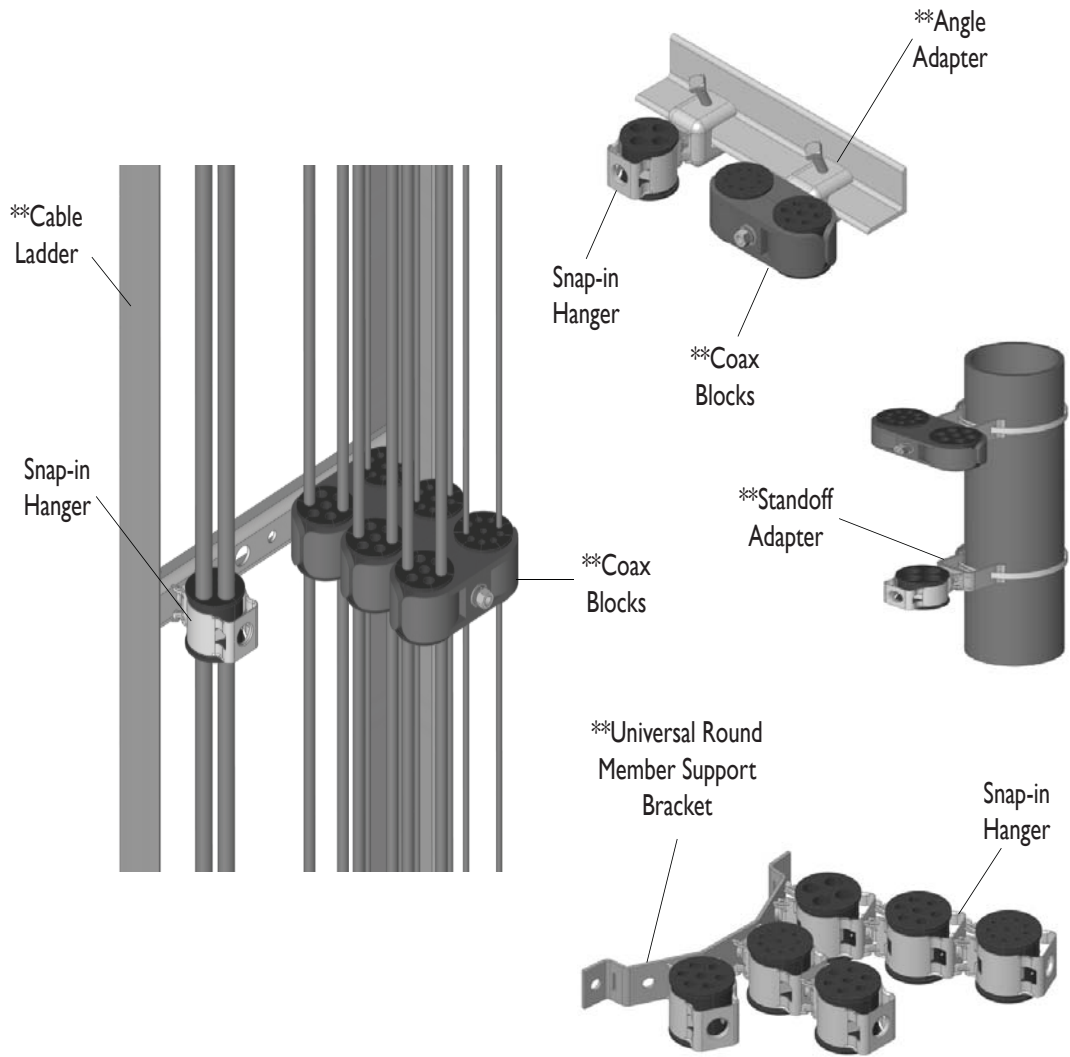


3/4" Hole with Insert included, Universal

Part No	Description	UOM	Wt (lbs)
T9121MT	Stand-off only - no hose clamp	Kit of 10	3.1
T9121MT1-2	For 2" OD or smaller round members	Kit of 10	3.6
T9121MT2-3	For 2"-3" OD members	Kit of 10	3.7
T9121MT3-4	For 3"-4" OD members	Kit of 10	4.1
T9121MT4-5	For 4"-5" OD members	Kit of 10	4.2
T9121MT5-6	For 5"-6" OD members	Kit of 10	4.2
T9121MT6-8	For 6"-8" OD members	Kit of 10	4.2
T9121MT8-10	For 8"-10" OD members	Kit of 10	4.2

Barrel Cushions

• One-piece construction made from EPDM rubber



*Mating accessories, including snap-in hangers and cable blocks, are sold separately

Part No	Cable Size	UOM	Wt (lbs)
T9270KT14	1/4" DIA Cable	Kit of 10	2.2
T9270KT38	3/8" DIA Cable	Kit of 10	1.9
T9270KT12	1/2" DIA Cable	Kit of 10	1.5
T9270KT58	5/8" DIA Cable	Kit of 10	1.7
T9270KTE380	Elliptical - E380	Kit of 10	2.3
T9270KTE240	Elliptical - EW220-EW240-EW250	Kit of 10	2.2
T9270KTE220	Elliptical - EWPI180-EW180-EI185-EO38-E220	Kit of 10	2.1
T9270KTE132	Elliptical - EWPI27A-EW127A-EI30-EWPI32-EW132-EI50-EO22	Kit of 10	1.8
T9270KTE19	Elliptical - EO19	Kit of 10	1.3
T9270KTE90	Elliptical - EWPP90S-EWPP90-EW90	Kit of 10	1.3
T9270KTE105	Elliptical - EW85-EI05-EW77	Kit of 10	1.9
T9270KTE15	Elliptical - EO15	Kit of 10	1.4
T9270KTE77	Elliptical - E78-EWPP77-EW77	Kit of 10	1.5
T9270KTE63	Elliptical - EWPP63-EWPP63S-E65-EWPP64-EW64-EP70-EO11	Kit of 10	1.5
T9270KT14-58	1/4" (4 Holes) - 5/8" (2 Holes)	Kit of 10	1.5
T9270KT38-58	3/8" (4 Holes) - 5/8" (2 Holes)	Kit of 10	2.1
T9270KT14-38-12-58	1/4" (4 Holes) - 3/8" (2 Holes) - 1/2" (1 Hole) - 5/8" (1 Hole)	Kit of 10	2.3
T9270KT14-12	1/4" (4 Holes) - 1/2" (2 Holes)	Kit of 10	1.9
T9270KT38-12	3/8" (4 Holes) - 1/2" (2 Holes)	Kit of 10	1.6
T9270KT14-38	1/4" (4 Holes) - 3/8" (4 Holes)	Kit of 10	1.9

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CABLE SUPPORT ACCESSORIES



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Barrel Cushions

• One-piece construction made from EPDM rubber

T9307KT38



T9200KT158U

Part No	Cable Size		Hanger Size	UOM	Wt (lbs)
	Min	Max			
T9200KT78U (universal)	4mm	14mm	7/8"	Kit of 10	0.8
T9200KT158U (universal)	14mm	36mm	1-5/8"	Kit of 10	1.3
T9200KT214U (universal)	20mm	55mm	2-1/4"	Kit of 10	3.0
T9200KT28-114	27mm	29mm	1-1/4"	Kit of 10	1.0
T9200KT33-114	33mm	33mm	1-1/4"	Kit of 10	1.7
T9200KT38-114	3/8"	3/8"	1-1/4"	Kit of 10	1.7
T9307TT38	3/8"	3/8"	1/2"	Kit of 10	0.5

Barrel Cushions with Multi-Run Snap-in Hangers

T9158KTSSK



Part No	Cable Size		Hanger Size	UOM	Wt (lbs)
	Min	Max			
T9078KTSSK (universal)	4mm	14mm	7/8"	Kit of 10	1.3
T9158KTSSK (universal)	14mm	36mm	1-5/8"	Kit of 10	1.9
T9307KT38	3/8"	3/8"	1/2"	Kit of 10	1.4

Barrel Cushions with Standard Snap-in Hangers

T9158KTRRSK



Part No	Cable Size		Hanger Size	UOM	Wt (lbs)
	Min	Max			
T9078KTRRSK (universal)	4mm	14mm	7/8"	Kit of 10	1.5
T9158KTRRSK (universal)	14mm	36mm	1-5/8"	Kit of 10	1.5
T9214KTRRSK (universal)	20mm	55mm	2-1/4"	Kit of 10	2.1

Barrel Cushions with Butterfly Hangers

T9158KTBFK



Part No	Cable Size		Hanger Size	UOM	Wt (lbs)
	Min	Max			
T9078KTBFK (universal)	4mm	14mm	7/8"	Kit of 10	1.9
T9158KTBFK (universal)	14mm	36mm	1-5/8"	Kit of 10	1.6
T9214KTBFK (universal)	20mm	55mm	2-1/4"	Kit of 10	1.9
T9200KT28114BK	27mm	29mm	1-1/4"	Kit of 10	1.0
T9200KT33114BK	32mm	36mm	1-1/4"	Kit of 10	1.7
T9200KT38114BK	3/8"	3/8"	1-1/4"	Kit of 10	1.7

Angle Adapters

- Attaches to angle iron or I-beams or 1" or smaller OD round members
- Accepts either 3/8" hardware or snap-in hangers depending on version



T9104MT



T9106MT

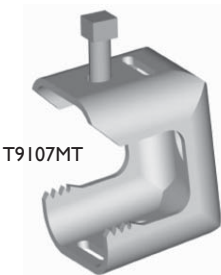


* Also available in galvanized steel

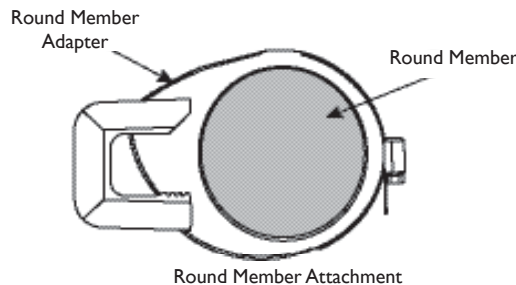
Part No	Description	UOM	Wt (lbs)
T9104MT	Universal angle adapter, 3/8" tapped hole, Stainless steel	Kit of 10	4.9
T9106MT	Universal angle adapter, snap-in version, Stainless steel w/o insert	Kit of 10	4.7
T9105MT	Universal angle adapter, Stainless steel with insert	Kit of 10	4.9

Universal Member Adapter

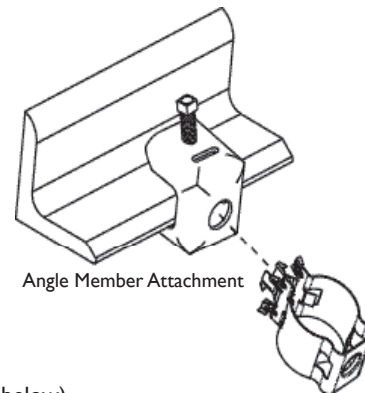
- Attaches to angle iron or I-beams or 1" or smaller OD round members
- Accepts either 3/8" hardware or snap-in hangers depending on version



T9107MT



Round Member Adapters sold separately (see below)



Angle Member Attachment

Part No	Description	UOM	Wt (lbs)
T9107MT	Universal member adapter, fits round or angle, stainless steel	Kit of 10	4.9

Press Fit Insert

- Insert converts 3/4" hole into 3/8" threaded hole which then allows for 3/8" hardware to be used



Part No	Description	UOM	Wt (lbs)
T9945MT	Press fit insert for use with angle adapters or stand-off adapters with 3/4" holes	Kit of 10	3.0

Round Member Adapters

- Mounting clip accommodates 3/8" mounting hardware
- Each kit includes: 10 hose clamps



Material: Stainless Steel

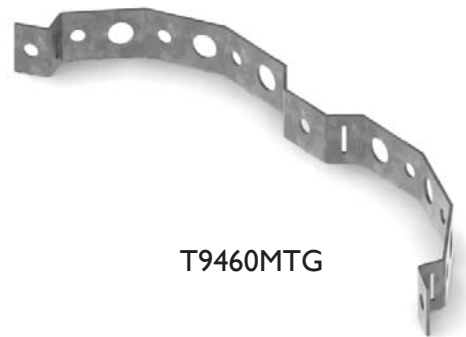
Part No	Description	UOM	Wt (lbs)
T9110MT1-2	1" - 2" OD	Kit of 10	0.8
T9110MT2-3	2" - 3" OD	Kit of 10	1.0
T9110MT3-5	3" - 5" OD	Kit of 10	1.2
T9110MT4-5	4" - 5" OD	Kit of 10	1.3
T9110MT5-6	5" - 6" OD	Kit of 10	1.3
T9110MT6-8	6" - 8" OD	Kit of 10	1.3
T9110MT8-10	8" - 10" OD	Kit of 10	1.4
T9110MT10-14	10" - 14" OD	Kit of 10	1.4
T9110MT14-16	14" - 16" OD	Kit of 10	1.4

Universal Cable Support Bracket for Round Members

- Bracket is secured to round member using banding (sold separately)
- Brackets include holes for snap-in hangers or hangers using 3/8" hardware
- Accepts 1/2" or 3/4" wide banding.



T9122MT38



T9460MTG

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T9460MTG	Universal member adapter, fits round or angle	Kit of 10	4.9
T9122MT38	Stand-Off Adapter - 3-way Universal	Kit of 10	1.1

Banding

Used to secure hangers and mounting brackets to large diameter round members



T9882KT



T9881KT



T9884KT

Part No	Description	UOM	Wt (lbs)
T9882KT	Banding, 1/2" wide x 100', stainless steel	100 ft	5.5
T9806KT34	Banding, 3/4" wide x 100', stainless steel	100 ft	7.8
T9881KT	Banding buckles, 1/2"	Box of 100	2.1
T9803KT34	Banding buckles, 3/4"	Box of 100	3.5
T9884KT	Banding tool	Each	1.7
T9810KT	Scru-Seal, no tool needed. 3/8" x 100 ft band with 25 screw clips included	100 ft	4.3

Tie Wraps

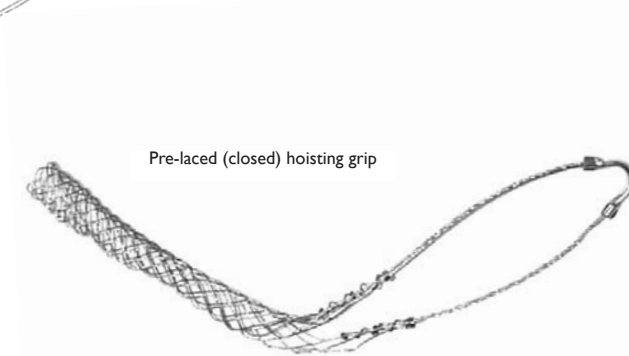
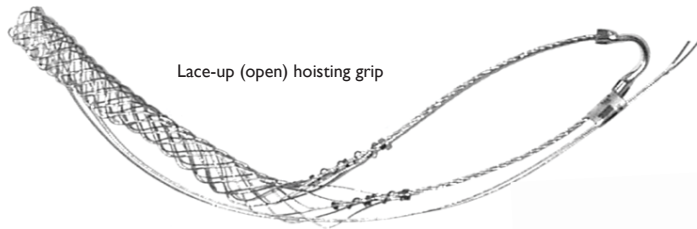
Nylon cable ties have self-locking heads for a reliable grip.



Part No	Description	UOM	Wt (lbs)
T9900MT	3/16" x 15", black UV rated	Pack/50	0.4
T9752KT	Plenum, 5/16" x 15-1/2", red	Each	0.4
T9754KT	3/8" x 15", black UV rated	Pack/25	0.6
T9757KT	1/2" x 18", black UV rated	Pack/25	0.8
T9765KT	Stainless steel, nylon coated, 1/4" x 18" UV rated	Pack/100	1.0

Hoisting Grips (Lace-Up & Pre-Laced)

- Attach to cable and fasten to tower to provide support for cable
- Lace-up design enable the grip to be installed after cable is in position
- Pre-laced design is used by simply slipping over an unterminated end of cable



Material: Tin coated Bronze and Stainless Steel

Part No	Description	UOM	Wt (lbs)
Lace-up Hoisting Grip			
T9700KT14	1/4" coax	Each	0.3
T9700MT38	3/8" coax	Each	0.3
T9700MT12	1/2" coax	Each	0.3
T9700MT58	5/8" coax	Each	0.4
T9700MT78	7/8" coax	Each	0.6
T9700MT114	1-1/4" coax	Each	0.6
T9700MT158	1-5/8" coax	Each	1.3
T9700MT214	2-1/4" coax	Each	1.3

Pre-Laced Hoisting Grip			
T9700KT14L	1/4" coax	Each	0.4
T9700MT38L	3/8" coax	Each	0.4
T9700MT12L	1/2" coax	Each	0.4
T9700MT58L	5/8" coax	Each	1.3
T9700MT78L	7/8" coax	Each	0.5
T9700MT114L	1-1/4" coax	Each	0.5
T9700MT158L	1-5/8" coax	Each	1.3
T9700MT214L	2-1/4" coax	Each	1.3

Shackles

- Typically used for securing hoisting grips



Part No	Description	UOM	Wt (lbs)
T9012MT14	1/4" size, 15/32" opening, 1/2 ton load	Each	0.1
T9012MT516	5/16" size, 17/32" opening, 3/4 ton load	Each	0.2
T9012MT38	3/8" size, 21/32" opening, 1 ton load	Each	0.3

Boot Assembly Kits 4" and 5"

• Elliptical and flex cable size boots are available upon request, call to inquire



Material: EPDM Rubber

**Weight of 4" Boot Kit is approx. 1.6 lbs

**Weight of 5" Boot Kit is approx. 1.9 lbs

4" Boot Kits Part No	5" Boot Kits Part No	Description	UOM
T9207MT4-1	T9207MT5-1	1 hole for 1/4"	Each
T9207MT4-2	T9207MT5-2	2 hole for 1/4"	Each
T9207MT4-3	T9207MT5-3	3 hole for 1/4"	Each
T9207MT4-4	T9207MT5-4	4 hole for 1/4"	Each
T9207MT4-9	T9207MT5-9	9 hole for 1/4"	Each
T9212MT4-1	T9212MT5-1	1 Hole for 3/8"	Each
T9212MT4-3	T9212MT5-3	3 Hole for 3/8"	Each
T9212MT4-9	T9212MT5-9	9 Hole for 3/8"	Each
T9202MT4-1	T9202MT5-1	1 Hole for 1/2"	Each
T9202MT4-2	T9202MT5-2	2 Hole for 1/2"	Each
T9202MT4-3	T9202MT5-3	3 Hole for 1/2"	Each
T9202MT4-4	T9202MT5-4	4 Hole for 1/2"	Each
T9218MT4-1	T9218MT5-1	1 Hole for 5/8"	Each
T9218MT4-2	T9218MT5-2	2 Hole for 5/8"	Each
T9218MT4-3	T9218MT5-3	3 Hole for 5/8"	Each
T9218MT4-4	T9218MT5-4	4 Hole for 5/8"	Each
T9222MT4-1	T9222MT5-1	1 Hole for 7/8"	Each
T9222MT4-2	T9222MT5-2	2 Hole for 7/8"	Each
T9222MT4-3	T9222MT5-3	3 Hole for 7/8"	Each
T9222MT4-4	T9222MT5-4	4 Hole for 7/8"	Each
T9200MT4-1	T9200MT5-1	1 Hole for 1-1/4"	Each
T9206MT4-1	T9206MT5-1	1 Hole for 1-5/8"	Each
T9210MT4-1	T9210MT5-1	1 Hole for 2-1/4"	Each
T9283MF4	T9283MF5	Blank, no holes in cushion	Each

Boot Assemblies (No Cushion)



Part No	Description	UOM	Wt (lbs)
T9214MT	4" Boot Assembly, cushion not included	Each	1.3
T9216MT	5" Boot Assembly, cushion not included	Each	1.6

Port Cushions

- Used in conjunction with boot assemblies (purchased separately)
- Elliptical and flex cable size boots are available upon request, call to inquire
- Cushions may be used in 4" or 5" boot assemblies

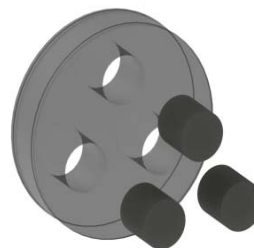


Material: EPDM Rubber

Part No	Description	UOM	Wt (lbs)
T9207MT1	1 hole for 1/4"	Each	0.4
T9207MT2	2 hole for 1/4"	Each	0.4
T9207MT3	3 hole for 1/4"	Each	0.4
T9207MT4	4 hole for 1/4"	Each	0.4
T9207MT9	9 hole for 1/4"	Each	0.4
T9251MT1	1 Hole for 3/8"	Each	0.4
T9251MT3	3 Hole for 3/8"	Each	0.4
T9251MT9	9 Hole for 3/8"	Each	0.3
T9242MT1	1 Hole for 1/2"	Each	0.4
T9242MT2	2 Hole for 1/2"	Each	0.4
T9242MT3	3 Hole for 1/2"	Each	0.4
T9242MT4	4 Hole for 1/2"	Each	0.4
T9255MT1	1 Hole for 5/8"	Each	0.4
T9255MT2	2 Hole for 5/8"	Each	0.4
T9255MT3	3 Hole for 5/8"	Each	0.4
T9255MT4	4 Hole for 5/8"	Each	0.4
T9259MT1	1 Hole for 7/8"	Each	0.4
T9259MT2	2 Hole for 7/8"	Each	0.3
T9259MT3	3 Hole for 7/8"	Each	0.3
T9259MT4	4 Hole for 7/8"	Each	0.2
T9240MT	1 Hole for 1-1/4"	Each	0.3
T9246MT1	1 Hole for 1-5/8"	Each	0.3
T9249MT1	1 Hole for 2-1/4"	Each	0.2
T9264MT	Blank, no holes	Each	0.5

Cushion Plugs

Cushion Plugs seal unused holes in boot assemblies.



Material: EPDM Rubber

Part No	Description	UOM	Wt (lbs)
T9400MT38	3/8" corrugated coax	Kit of 5	0.1
T9400MT12	1/2" corrugated coax	Kit of 5	0.1
T9400MT58	5/8" corrugated coax	Kit of 5	0.1
T9400MT78	7/8" corrugated coax	Kit of 5	0.2
T9400MT114	1-1/4" corrugated coax	Kit of 5	0.4
T9400MT158	1-5/8" corrugated coax	Kit of 5	0.7

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CABLE SUPPORT ACCESSORIES

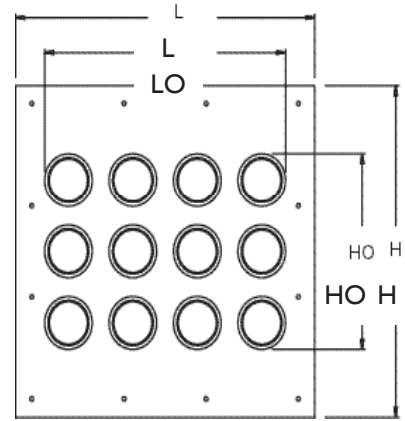
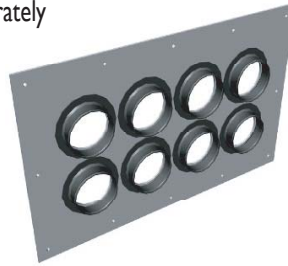
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Entry Panel

- Allows multiple cable runs to enter a shelter or building
- Panels have 4" openings for entry boots
- 5" styles are available upon request
- Cushions and boot assemblies are sold separately
- Caps and attachment hardware are included

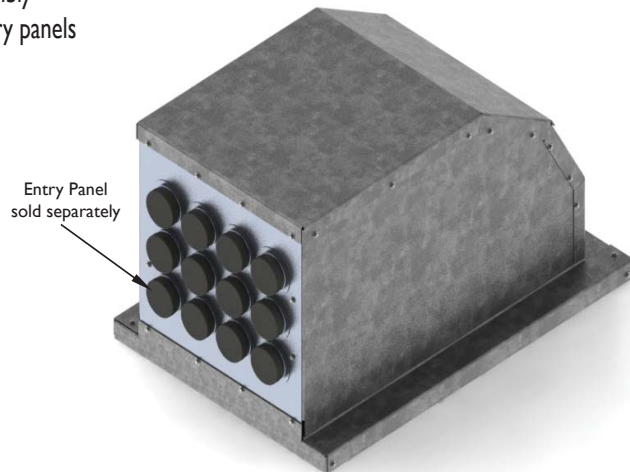
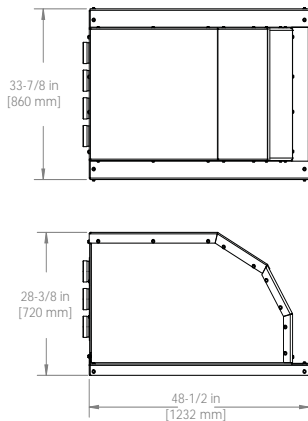


Material: Powder Coated Aluminum

Part No	Configuration	UOM	Wt. (lbs)	Wall Opening (in.)		Panel size (in.)	
				Length (LO)	Height (HO)	Length (L)	Height (H)
T9600MT1X1	1 port, 1 x 1	Each	1.0	4.00	4.00	7.00	7.00
T9600MT1X2	2 port, 1 x 2	Each	2.3	10.00	4.00	15.50	9.50
T9600MT1X3	3 port, 1 x 3	Each	2.9	15.00	4.00	20.00	9.50
T9600MT1X4	4 port, 1 x 4	Each	3.5	20.50	4.00	25.50	9.50
T9600MT2X2	4 port, 2 x 2	Each	4.2	11.00	9.50	17.50	17.50
T9600MT1X6	6 port, 1 x 6	Each	6.0	31.50	4.00	36.50	9.50
T9600MT2X3	6 port, 2 x 3	Each	6.1	15.00	9.50	23.00	17.50
T9600MT2X4	8 port, 2 x 4	Each	6.1	20.50	9.50	28-1/20	17.50
T9600MT3X3	9 port, 3 x 3	Each	7.1	15.00	15.00	23.00	23.00
T9600MT2X5	10 port, 2 x 5	Each	7.1	26.00	9.50	31.00	17.50
T9600MT2X6	12 port, 2 x 6	Each	9.2	31.50	9.50	39.50	17.50
T9600MT3X4	12 port, 3 x 4	Each	8-1/2	20.50	15.00	25.50	25.50
T9600MT4X4	16 port, 4 x 4	Each	9.1	20.50	20.50	25.50	25.50
T9600MT3X6	18 port, 3 x 6	Each	13.0	31.50	15.00	39.50	25.50
T9600MT4X5	20 port, 4 x 5	Each	11.0	26.00	20.50	34.00	31.00
T9600MT4X6	24 port, 4 x 6	Each	15.8	31.50	20.50	39.50	31.00

Rooftop Entry Hood (Doghouse)

- Pre-attached fasteners allow for quick and easy assembly
- Opening accepts T9600MT3X4 or T9600MT4X4 entry panels



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
T3600KTA	Rooftop entry hood, purchase entry panel separately	Each	262.3

Entry Port Caps



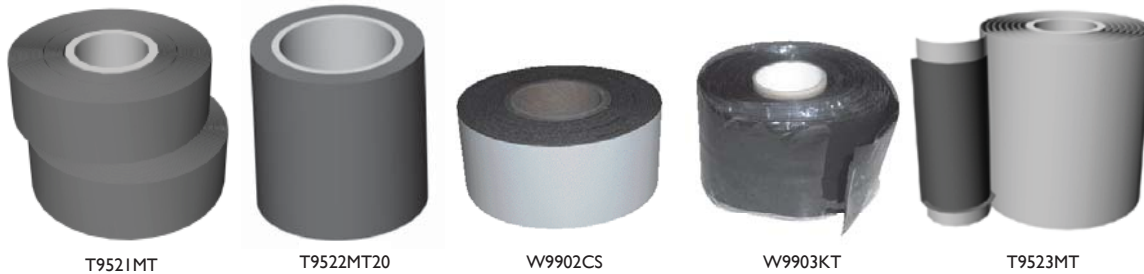
Part No	Description	UOM	Wt (lbs)
T9621MT4	4" Entry port sealing cap	Each	0.1
T9621MT5	5" Entry port sealing cap	Each	0.1

Weatherproofing Kit



Part No	Description	UOM	Wt (lbs)
W9310KT	Universal weatherproofing kit, contains 6 rolls of mastic tape, 2 rolls of 3/4" electrical tape, and 1 roll of 2" electrical tape	Each	0.8
W9310KT1	Economy weatherproofing kit, contains 3 rolls of mastic tape, 1 roll of 3/4" electrical tape, and 2 rolls of 2" electrical tape	Each	0.4

Electrical Tape and Weatherproofing Tape



Part No	Description	UOM	Wt (lbs)
T9521MT	Premium electrical tape, 3/4" x 48' roll, black, 8-1/2 mils thk	Each	0.3
T9522MT20	Electrical tape, 2" x 20' roll, black, 7 mils thk	Each	0.3
W9902CSHD	Miracle Tape (Self Amalgamating) 39 mil Heavy Duty	Each	0.3
W9902CS	Miracle Tape a(Self-Amalgamating) - 1.5" x 15'	Each	0.3
W9903KT	Self-Bonding Silicone Tape - 1.5" x 15'	Each	0.3

Mastic (Butyl tape)

T9523MT	2-1/2" x 2' roll	Each	0.3
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Electrical Tape (Color)

Available in Black, Blue, Brown, Green, Grey, Orange, Purple, Red, White and Yellow.
Other colors available upon request.



Part No	Description	UOM	Wt (lbs)
T9525KT-(color)	3/4" x 66' roll, 7 mils thk. Specify color	Each	0.3

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WEATHERPROOFING

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Cold Shrink

- Cold Shrink contracts around cable connection to form weatherproof seal



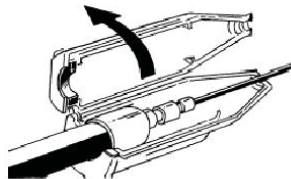
Part No	Description	UOM	Wt (lbs)
W9303MT12	3/8" to 3/8" cable 1/2" to 1/2" cable	Each	0.1
W9303MT58	5/8" to 1/4" cable 5/8" to 3/8" cable 5/8" to 1/2" cable	Each	0.2
W9303MTA58	5/8" to 5/8" cable or type DIN or N antenna	Each	0.3
W9303MT78	7/8" to 1/2" cable 7/8" to 1/4" cable 7/8" to 3/8" cable 7/8" to 7/8" cable	Each	0.3
W9303MTA78	1/2" cable to Type N antenna 7/8" cable to Type DIN or N antenna 1-1/2" omni/panel base to 1/4" cable 1-1/2" omni/panel base to 3/8" or 1/2" cable 2" omni base to 1/4" cable 2" omni base to 3/8" or 1/2" cable	Each	0.4
W9303MT158	1-1/4" to 3/8" cable 1-1/4" to 1/2" cable 1-1/4" or 1-5/8" to 1/4" cable 1-1/4" or 1-5/8" to 1-1/4" cable 1-5/8" to 1/2" cable 1-5/8" to 3/8" cable 1-5/8" to 7/8" cable	Each	0.5
W9303MT214	2-1/4" to 1/2" cable 2-1/4" to 3/8" cable	Each	0.7

Heat Shrink

Part No	Description	UOM	Wt (lbs)
T9700BD38	3/8" Clear	ft	0.1
T9705KT12C	1/2" Clear	ft	0.1
T9703KT1/2X4B	1/2" Black	ft	0.1
T9705KT34BK	3/4" Black	4ft sectors	0.2
T9705KT15X4HD	1-1/2" Black	ft	0.2
T9705KT14C	1/4" Clear	ft	0.1
T9700BD38BK	3/8" Black	ft	0.1

Weatherproofing Enclosure

- Re-usable housing provides an outstanding weather resistant connection
- Gel material provides an effective barrier against egress of water
- Simple to install



Part No	Description	UOM	Wt (lbs)
W9337KT-78	1/2" cable - 7/8" cable connection	Each	2.7
W9337KT-114	1/2" cable - antenna connection, short version	Each	2.7
W9337KT-158	1/2" cable - antenna connection, long version	Each	2.7
W9337KT-AS	1/2" - Antenna/short	Each	2.7
W9337KT-AL	1/2" - Antenna/long	Each	2.7

Coax Ground Kits



Clip On

Clip On

- All grounding kits have a either 3' or 5' lead
- Kit includes 1 field attachable 2 hole universal lug, hardware, mastic tape and 2" electrical tape
- Strap is copper

3' Lead

5' Lead

Part No	Description	UOM	Wt (lbs)	Part No	Description	UOM	Wt (lbs)
T6100MT12CE	1/2" Copper	Each	1.4	T6100MT12C	1/2" Copper	Each	1.4
T6110MT58CE	5/8" Copper	Each	1.4	T6110MT58C	5/8" Copper	Each	1.4
T6120MT78CE	7/8" Copper	Each	1.4	T6120MT78C	7/8" Copper	Each	1.4
T6130MT114CE	1-1/4" Copper	Each	1.4	T6130MT114C	1-1/4" Copper	Each	1.4
T6140MT158CE	1-5/8" Copper	Each	1.4	T6140MT158C	1-5/8" Copper	Each	1.4
T6150MT214CE	2-1/4" Copper	Each	1.5	T6150MT214C	2-1/4" Copper	Each	1.5

Standard

- All grounding kits have 5' lead
- Kit includes 1 field attachable 2 hole universal lug, hardware, mastic tape and 2" electrical tape
- Strap is copper



Standard

Part No	Description	UOM	Wt (lbs)
T6100MT12S	1/2" Copper	Each	1.4
T6110MT58S	5/8" Copper	Each	1.4
T6120MT78S	7/8" Copper	Each	1.4
T6130MT114S	1-1/4" Copper	Each	1.4
T6140MT158S	1-5/8" Copper	Each	1.4
T6150MT214S	2-1/4" Copper	Each	1.5



Universal

Universal

- All grounding kits have 5' lead
- Fits any size coax or elliptical waveguide
- Kit includes field attachable 3/8" and 1/4" 2-hole lugs, hardware, mastic tape, and electrical tape
- Strap is copper or tinned copper

Part No	Description	UOM	Wt (lbs)
T6191MT38-5A	Universal ground kit 5' lead - Copper	Each	1.9
T6191MT38-5AT	Universal ground kit 5' lead - Tinned Copper	Each	1.9

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GROUNDING

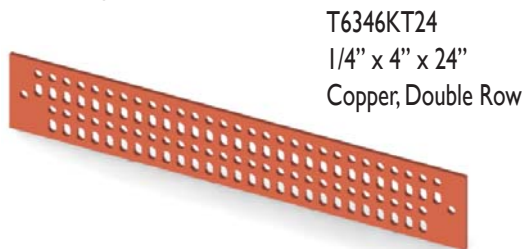


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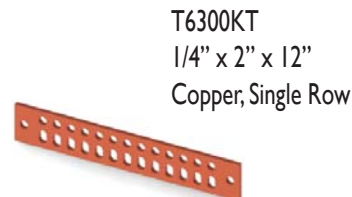
Ground Bars

• Plain Copper, Tinned Copper, and Galvanized Steel

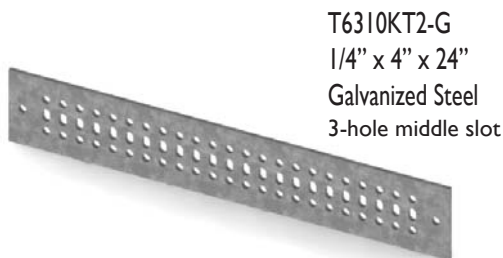
- Universal hole spacing allows for any 2-hole lug attachment
- Ample space for exothermic welding anywhere along the edges of the bar
- Holes accept 3/8" hardware



T6346KT24
1/4" x 4" x 24"
Copper, Double Row



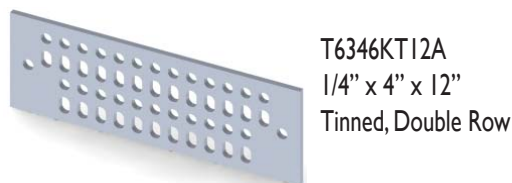
T6300KT
1/4" x 2" x 12"
Copper, Single Row



T6310KT2-G
1/4" x 4" x 24"
Galvanized Steel
3-hole middle slot



T6339KT-G
1/4" x 4" x 12"
Galvanized Steel
3-hole middle slot



T6346KT12A
1/4" x 4" x 12"
Tinned, Double Row



T6303KTA
1/4" x 2" x 6"
Tinned, Single Row

Plain Copper Universal Ground Bars

Part No	Size	UOM	Wt (lbs)
T6303KT	1/4" x 2" x 6", single row	Each	1.1
T6300KT1	1/4" x 2" x 10", single row	Each	1.8
T6300KT	1/4" x 2" x 12", single row	Each	2.1
T6300KT24	1/4" x 2" x 24", single row	Each	4.2
T6346KT12	1/4" x 4" x 12", double row	Each	3.3
T6346KT20	1/4" x 4" x 20", double row	Each	5.1
T6346KT24	1/4" x 4" x 24", double row	Each	6.5

Tinned Copper Universal Ground Bars

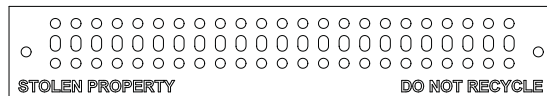
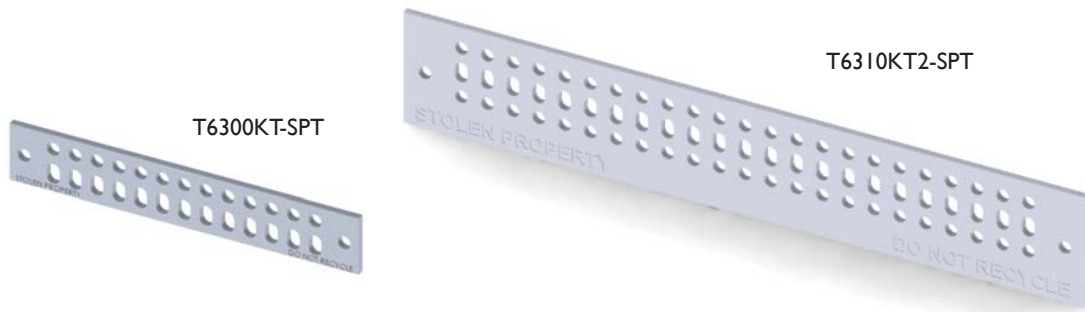
Part No	Size	UOM	Wt (lbs)
T6303KTA	1/4" x 2" x 6" tinned, single row	Each	1.1
T6300KT1A	1/4" x 2" x 10" tinned, single row	Each	1.8
T6300KTA	1/4" x 2" x 12" tinned, single row	Each	2.1
T6346KT12A	1/4" x 4" x 12" tinned, double row	Each	3.3
T6346KT20A	1/4" x 4" x 20" tinned, double row	Each	5.1
T6346KT24A	1/4" x 4" x 24" tinned, double row	Each	6.5

Galvanized Universal Ground Bars

Part No	Size	UOM	Wt (lbs)
T6303KT-G	1/4" x 2" x 6", single row	Each	1.1
T6300KT-G	1/4" x 2" x 12", single row	Each	2.1
T6339KT-G	1/4" x 4" x 12", 3-hole middle slot	Each	3.3
T6340KT-G	1/4" x 4" x 20", 3-hole middle slot	Each	5.1
T6310KT2-G	1/4" x 4" x 24", 3-hole middle slot	Each	6.5

Specialized Ground Bars

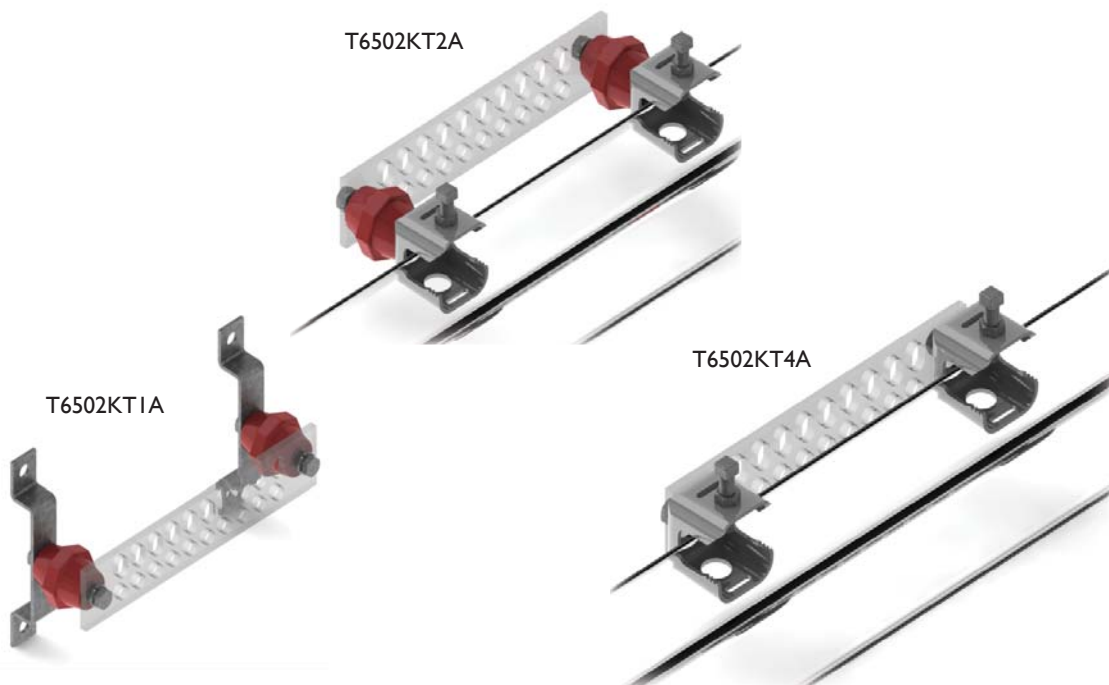
- Universal hole spacing allows for any 2-hole lug attachment
- Ample space for exothermic welding anywhere along the edges of the bar
- Holes accept 3/8" hardware
- Each bar is stamped "STOLEN PROPERTY / DO NOT RECYCLE"



Tinned Specialized Ground Bars

Part No	Size	UOM	Wt (lbs)
T6300KT-SPT	1/4" x 2" x 12" tinned, single row	Each	1.5
T6310KT2-SPT	1/4" x 4" x 24" tinned, 3-hole middle slot	Each	5.6
T6340KT-GVZW	1/4" x 6" x 20" Stamped "Property of Verizon Wireless"	Each	4.6

Ground Bar Mounting Kit



* Ground Bars sold separately

Part No	Size	UOM	Wt (lbs)
T6502KT1A	Wall mount ground bar mounting kit, insulated	Each	1.1
T6502KT2A	Tower/Angle mount ground bar mounting kit, insulated	Each	1.3
T6502KT3A	Universal ground bar mounting kit, wall or angle	Each	1.8
T6502KT4A	Tower/Angle mount ground bar mounting kit, NON-insulated	Each	0.8

Lugs

Ground lugs are crimped on to provide a mechanical connection for grounding systems. Hole sizes, number, spacing and barrel length vary as detailed in the tables below. Crimping tools are sold separately.



Material: Tinned Copper

Part No	Color	Cable	# Holes	Size	Barrel	Window	Description
Lugs - Red							
T6423BD7	Red	#8STR	1	1/4	Long	Yes	Lug #8STR 1H, 1/4", long, IW
T6423BD3	Red	#8STR	2	1/4	Long	No	Lug #8STR 2H, 1/4", 5/8"spc, long, NW
T6423BD2	Red	#8STR	1	1/4	Standard	Yes	Lug #8 1-hole 1/4", std bar, IW
T6423BD1	Red	#8STR	2	1/4	Long	Yes	Lug #8STR 2H, 1/4", 5/8"spc, long, IW
T6438BD9W	Red	#8STR	2	3/8	Long	Yes	Lug #8STR 2H, 3/8", long, IW
T6423BD10	Red	#8STR	2	1/4	Long	Yes	Lug #8STR 2H, 1/4", 1" spc, long IW

Lugs - Blue							
T6401KT8	Blue	#6STR	1	1/4	Long	Yes	Lug #6STR 1H, 1/4", long, IW
T6422BD6	Blue	#6STR	2	1/4	Long	No	Lug #6STR 2H, 1/4", 1ctr, NW
T6422BD20	Blue	#6STR	1	1/4	Long	No	Lug #6STR 1H, 1/4", long, NW
T6435BD10	Blue	#6STR	2	1/4	Standard	Yes/90°	Lug #6STR 2H, 1/4", stnd, 90d, IW
T6435BD11	Blue	#6STR	1	1/4	Long	Yes/90°	Lug #6STR 1H, 1/4", long, 90d, IW
T6422BD9	Blue	#6STR	1	1/4	Standard	Yes	Lug #6STR 1H, 1/4", stnd, IW
T6401KT	Blue	#6STR	1	3/8	Long	Yes	Lug #6STR 1H, 3/8", long, IW
T6401KT10	Blue	#6STR	1	3/8	Long	No	Lug #6STR 1H, 3/8", long, NW
T6422BD5	Blue	#6STR	2	1/4	Long	Yes	Lug #6STR 2H, 1/4", 5/8" spc, long, IW
T6410KT5	Blue	#6STR	2	1/4	Long	No	Lug #6STR 2H, 1/4", 5/8"spc, long, NW
T6422BD8	Blue	#6STR	2	3/8	Long	Yes	Lug #6STR 2H, 3/8", 1" spc, long, IW
T6422BD21	Blue	#6STR	2	3/8	Long	No	Lug #6STR 2H, 3/8", 1" spc, long, NW
T6402KT	Blue	#6STR	2	3/8	Long	Yes	Lug #6STR 2H, 3/8", unv 3/4-1" spc, IW
T6402KT-NW	Blue	#6STR	2	3/8	Long	No	Lug #6STR 2H, 3/8", unv 3/4-1" spc, NW

Lugs - Gray							
T6420BD2	Gray	#4STR	2	1/4	Long	No	Lug #4STR 2H, 1/4", 5/8" spc, long, NW
T6418BD7-NW	Gray	#2STR	2	1/4,5/8	Long	No	Lug #2STR SOL 2H, 1/4", 5/8" ctr, long, NW

Lugs - White							
T6412BD12	White	#2SOL	1	3/8	Standard	Yes	Lug #2SOL 1H, 3/8, stnd, IW
T6418BD7	White	#2SOL	2	1/4	Long	No	Lug #2SOL/3str 2H, 1/4", 5/8"spc, long, NW
T6418BD6	White	#2SOL	2	1/4	Standard	Yes	Lug #2SOL/3str 2H, 1/4", 5/8" spc, stnd, IW
T6407KT7	White	#2SOL	2	3/8	Standard	No	Lug #2SOL 2H, 3/8", 1"spc, NW
T6418KT2	White	#2SOL	2	3/8	Long	Yes	Lug #2SOL 2H, 3/8", unv 3/4-1" spc, IW

Part No	Color	Cable	# Holes	Size	Barrel	Window	Description
Lugs - Brown							
T6400KT6	Brown	#2STR	1	1/4	Long	No	Lug #2STR 1H, 1/4", long, NW
T6412BD16	Brown	#2STR	1	3/8	Long	Yes	Lug #2STR 1H, 3/8", long, IW
T6412KT3	Brown	#2STR	2	1/4	Long	Yes	Lug #2STR 2H, 1/4", 5/8" spc, long, IW
T6447BD	Brown	#2STR	2	1/4	Long	Yes/90°	Lug #2STR 2H, 1/4", 3/4" spc, long, 90d, IW
T6412KT3-90	Brown	#2STR	2	1/4	Long	Yes/90°	Lug #2STR 2H, 1/4", 5/8" spc, long, 90d, IW
T6437BD5	Brown	#2STR	2	1/4	Standard	Yes	Lug #2STR 2H, 1/4", 1" spc, IW
T6412BD4	Brown	#2STR	2	3/8	Long	Yes	Lug #2STR 2H, 3/8", 1" spc, long, IW
T6437BD2	Brown	#2STR	2	3/8	Long	No	Lug #2STR 2H, 3/8", 1" spc, long, NW
T6412MT	Brown	#2STR	2	3/8	Long	Yes	Lug #2STR 2H, 3/8", unv 3/4-1" spc, IW
T6412MT-NW	Brown	#2STR	2	3/8	Long	No	Lug #2STR 2H, 3/8", unv 3/4-1" spc, NW
T6437BD7	Brown	#2STR	2	3/8	Long	No	Lug #2STR 2H, 3/8", long, NW
T6410KT7	Brown	#2STR	2	1/4	Long	No	Lug #2STR 2H, 1/4", 5/8" spc, long, NW
T6412BD17	Brown	#2STR	2	1/4	Standard	No	Lug #2STR 2H, 1/4", 1" spc, NW

Lugs - Yellow							
T6428KT2-IW	Yellow	#14-10	2	1/4	Standard	Yes	Lug #14-10 2H, 1/4", 1" spc, IW
T6428KT1-NW	Yellow	#14-10	2	1/4	Standard	No	Lug #14-10 2H, 1/4", 5/8" spc, NW
T6428KT1-IW	Yellow	#14-10	2	1/4	Standard	Yes	Lug #14-10 2H, 1/4", 5/8" spc, IW

Lugs - Black							
T6408BD2	Black	2/0	2	3/8	Long	Yes	Lug 2/0 2H, 3/8", 1" spc, long, IW

Lugs - Purple							
T6410BD9	Purple	4/0	2	3/8	Long	Yes	Lug 4/0 2H, 3/8", unv 3/4-1" spc, long, IW

Lug - Washer							
T6460KT-LW		Washer	2	3/8			Lug Washer 2H, 3/8", 1" spc, Stainless Steel

Universal Arrestor Trapeze Kit

- Mounts on wall or ceiling
- Holes match entry panel hole distance



Material: Copper

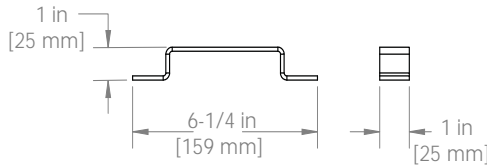
Part No	Description	UOM	Wt (lbs)
T3801KT1	Arrestor Trapeze Kit, 1 x 6, 6 positions	Each	14.0
T3801KT2	Arrestor Trapeze Kit, 2 x 6, 12 positions	Each	18.0
T3801KT3	Arrestor Trapeze Kit, 3 x 6, 18 positions	Each	22.0
T3801KT4	Arrestor Trapeze Kit, 4 x 6, 24 positions	Each	26.0

Insulators



Part No	Description	UOM	Wt (lbs)
T6503KT1	Insulator, 1/4" x 1-1/4", Red	Each	0.1
T6503KT8	Insulator, 1/4" x 1-1/2", Stud	Each	0.2
T6503KT5	Insulator, 3/8" x 1-1/2"	Each	0.2
T6503KT7	Insulator, 3/8" x 2", Red, High	Each	0.3
T6503KT3	Insulator, 3/8" x 2-3/4", Alum	Each	0.5
T6503KT2	Insulator, 1/2" x 2", Steel	Each	0.4
T6503KT4	Insulator, 5/8" x 2-3/4", Alum	Each	0.5

Ground Bar Mounting Bracket



Material: Stainless Steel

Part No	Description	UOM	Wt (lbs)
T6500KT	Ground bar mounting bracket	Each	0.2

Copper Shield and No-Ox



Part No	Description	UOM
M3101KT8	Copper anti-seize lub, brush top 8 oz.	Each
M9025KT2	NO-OX-ID A-special, 2 oz. plastic jar	Each
M9025KTT	NO-OX-ID A-special, 8 oz. tube	Each

Pre-Assembled Fence Jumpers



Part No	Size	UOM	Wt (lbs)
T8971KT	#2 sol, 2' long	Each	2.1
T8950ER2/0	2/0, 2' long	Each	3.5
T8950ER4/0	4/0, 2' long	Each	5.1

Barrel Splices



Material: Tinned Copper

Part No	Size	UOM
T6446KT-S	#6 STR barrel splice, Blue color code	Each
T6446KT1	#2 STR barrel splice, Brown color code	Each
T6446KT2	#2 STR solid barrel splice, White/Gray color code	Each
T6446KT3	2/0 barrel splice, Black color code	Each
T6446KT4	4/0 barrel splice, Purple color code	Each

Crimpers



Part No	Size	UOM	Wt (lbs)
T6901BD1	Crimp tool #8 - #2 Rotatable wheel	Each	3.0

C-Taps - Thin Wall

C shaped connector for making parallel and multiple tap connections.



Material: Copper

Part No	Run	Tap	# Ribs	Color	UOM
T6438BD9	6 GA	8 GA - 6 GA	1	Brown	Each
T6438BD5	2 GA	6 GA	1	Pink	Each
T6438BD6	2 GA STR	2 GA STR - 2 GA SOL	2	Orange	Each
T6438BD6	2 GA SOL	2 GA SOL	2	Orange	Each
T6438BD2	2/0 AWG	6 GA	2	Purple	Each
T6438BD7	2/0 AWG	2 GA STR - 2 GA SOL	2	Yellow	Each

Ground Wire

Part No	Size	UOM
S1000KT6G	#6 stranded, THHN, green	Ft
S1300KT2	#2 solid, tinned bare	Ft
S1000KT2G	#2 stranded, THHN, green	Ft
S1000KT2/0G	2/0 stranded, THHN, green	Ft
S1000KT4/0G	4/0 stranded, THHN, green	Ft

Ground Wire Accesories



Part No	Size	UOM
H9031KT14	Cushioned Loop Clamp, 1/4"	Each
H9031KT12	Cushioned Loop Clamp, 1/2"	Each
P6010KT12	Conduit, Non-metallic flex 1/2"	100Ft

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Ground Rods



Part No	Size	UOM	Wt (lbs)
T6350ER12C	1/2" x 8' copper clad	Each	5.0
T6350ER12	1/2" x 10' copper clad	Each	6.0
T6350ER58-4	5/8" x 4' copper clad	Each	4.0
T6350ER58C	5/8" x 8' copper clad	Each	8.0
T6350ER58	5/8" x 10' copper clad	Each	10.0
T6350ER34C	3/4" x 8' copper clad	Each	11.0
T6350ER34	3/4" x 10' copper clad	Each	12.0
T6350ERI	1" x 10' copper clad	Each	13.0

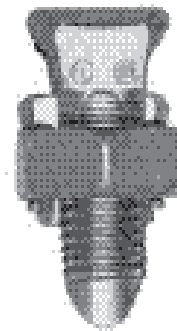
Chemical Ground Rods & Ground Plates

Each chemical ground rod kit includes chemical electrode (pre-filled with electrolytic salts), TerraFill® Ground Enhancing Backfill and an access well.



Part No	Size	UOM	Wt (lbs)
T6354ER1	Kit, 10' vertical rod, 4/0, tail up orientation	Each	76.1
T6354ER2	Kit, 10' vertical rod, 4/0, tail down orientation	Each	76.1
T6354KT4	Kit, 10' horizontal rod, #2 sol, tail up orientation	Each	92.3
T8940ER2	Additional bentonite, 25 lb bag	Each	25.0
T8942KT	Terra Fill Bags 50 LBS	Each	50.0
T6326KTA	Ground Plate, Copper 18x18x1/8" Welded Middle 2T, 36 Pigtail, Includes 50 LB Terra Fill Bags	Each	50.0

Splice Bolts, Silicon Bronze or Tin Plated



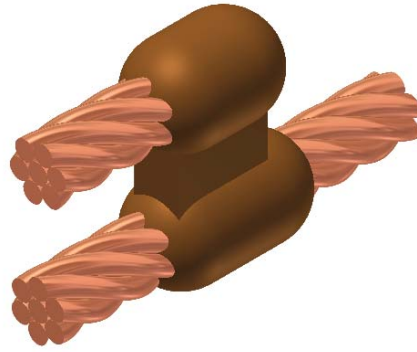
Part No	Size	UOM	Wt (lbs)
T6403KT2	6 solid - 2 stranded, silicon bronze	Each	0.1
T6403KT2T	6 solid - 1 solid, tin plated	Each	0.1
T6403KT2/0	2 solid - 2/0 stranded, silicon bronze	Each	0.3
T6403KT2/0T	2 solid - 2/0 stranded, tin plated	Each	0.3

Cable to Cable Molds

T8172 Molds

Used for horizontal parallel tap to run connections.
The tap cable is over the run cable.

Thermoweld type CC-6, Cadweld type PC

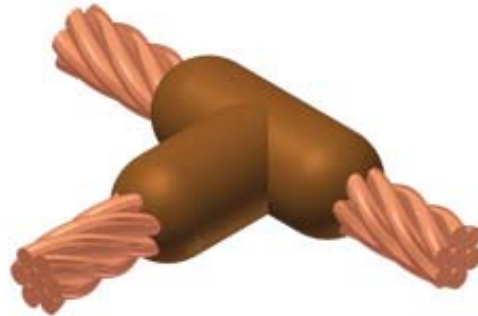


Part No	Cable Size Run	Cable Size Tap	Weld Metal	Handles	UOM
T8172ER	2 sol	2 sol	65	T8910ER160	Each
T8172ER3	2 sol	2	65	T8910ER160	Each
T8172ER4	2	2	65	T8910ER160	Each
T8172ER5	4/0	2	115	T8910ER160	Each
T8172ERI	4/0	2 sol	115	T8910ER160	Each

T8173 Molds

Used to join a horizontal cable tap to a horizontal run cable.

Thermoweld type CC-2, Cadweld type TA

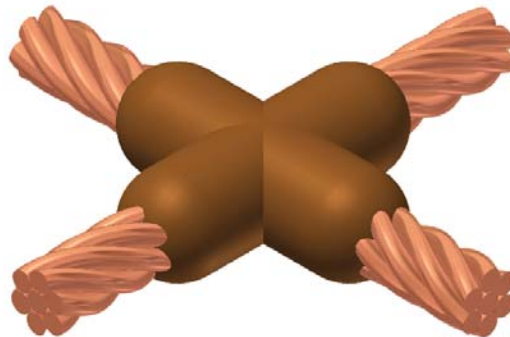


Part No	Cable Size Run	Cable Size Tap	Weld Metal	Handles	UOM
T8173ERI	2 sol	2 sol	45	T8910ER160	Each
T8173ER3	2	2	45	T8910ER160	Each
T8173ER4	2	2 sol	45	T8910ER160	Each
T8173ER	2/0	2/0	90	T8910ER160	Each
T8173ER2	4/0	4/0	150	T8910ER160	Each
T8173ER5	4/0	2 sol	90	T8910ER160	Each

T8170 Molds

Used to connect two horizontal cables at right angles. One cable is cut and the other is a through run.

Thermoweld type CC-4, Cadweld type XA



Part No	Cable Size Run	Cable Size Tap	Weld Metal	Handles	UOM
T8170ER	2 sol	2 sol	65	T8910ER160	Each
T8170ERI	4/0	4/0	200	T8910ER160	Each

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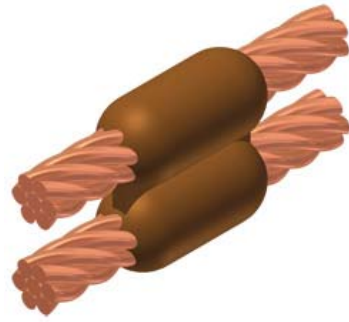
EXOTHERMIC GROUNDING



T8171 Molds

Used to join horizontal parallel through run cables. One cable is run above the other cable in the mold.

Thermoweld type CC-7, Cadweld type PT

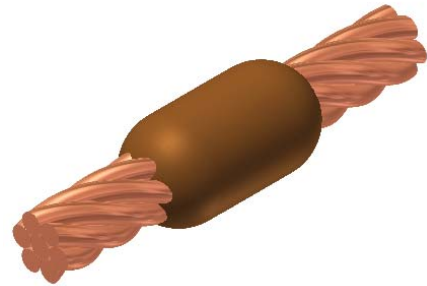


Part No	Cable Size Run	Cable Size Tap	Weld Metal	Handles	UOM
T8171ER2	2 sol	2 sol	65	T8910ER160	Each
T8171ER1	2 sol	6	45	T8910ER160	Each
T8171ER10	2	2	65	T810ER160	Each
T8171ER4	1/0	1 sol	65	T8910ER160	Each
T8171ER4	1/0	2 sol	65	T8910ER160	Each
T8171ER6	2/0	2/0	115	T8910ER160	Each
T8171ER5	2/0	2	90	T8910ER160	Each
T8171ER8	2/0	2 sol	90	T8910ER160	Each
T8171ER3	3/0	2 sol	115	T8910ER160	Each
T8171ER11	4/0	4/0	200	T8910ER160	Each
T8171ER12	4/0	2	150	T8910ER160	Each
T8171ER7	4/0	2 sol	150	T8910ER160	Each

T8174 Molds

Used for horizontal end to end cable connections.

Thermoweld type CC-1, Cadweld type SS



Part No	Cable Size Run	Weld Metal	Handles	UOM
T8174ER1	2	32	Included	Each
T8174ER	2 sol	32	Included	Each

Cable to Ground Rod Molds

T8421 Molds

Used to terminate horizontal copper cable at the top of a vertical ground rod.

Thermoweld type CR-1, Cadweld type GR

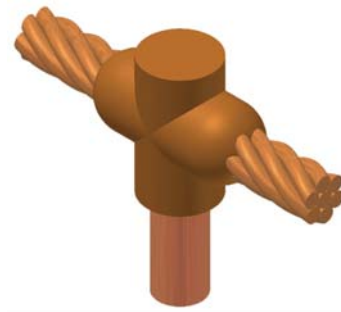


Part No	Ground Rod Size	Cable Size	Ground Rod Type	Weld Metal	Handles	UOM
T8421ER1	1/2"	2 sol	plain copper	32	T8910ER160V	Each
T8421ER2	1/2"	2	plain copper	32	T8910ER160V	Each
T8421ER3	1/2"	4/0	plain copper	90	T8910ER160	Each
T8421ER	5/8"	2 sol	plain or sectional	65	T8910ER160	Each
T8421ER4	5/8"	2	plain or sectional	65	T8910ER160	Each
T8421ER5	5/8"	4/0	plain or sectional	90	T8910ER160	Each
T8421ER6	3/4"	2 sol	plain or sectional	90	T8910ER160	Each
T8421ER7	3/4"	2	plain or sectional	90	T8910ER160	Each
T8421ER8	3/4"	4/0	plain or sectional	90	T8910ER160	Each

T8420 Molds

Used to join horizontal through copper cable to the top of a vertical ground rod.

Thermoweld type CR-2, Cadweld type GT

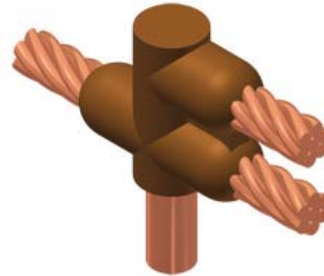


Part No	Ground Rod Size	Cable Size	Ground Rod Type	Weld Metal	Handles	UOM
T8420ER10	1/2"	2 sol	sectional copper	90	T8910ER160	Each
T8420ER11	1/2"	2 sol	plain copper	90	T8910ER160	Each
T8420ER12	1/2"	4/0	sectional copper	115	T8910ER160	Each
T8420ER13	1/2"	4/0	plain copper	115	T8910ER160	Each
T8420ER1	5/8"	2 sol	plain or sectional	90	T8910ER160	Each
T8420ER14	5/8"	2	plain or sectional	90	T8910ER160	Each
T8420ER2	5/8"	2/0	plain or sectional	115	T8910ER160	Each
T8420ER8	5/8"	4/0	plain or sectional	115	T8910ER160	Each
T8420ER3	3/4"	2 sol	plain or sectional	90	T8910ER160	Each
T8420ER15	3/4"	2	plain or sectional	90	T8910ER160	Each
T8420ER4	3/4"	2/0	plain or sectional	115	T8910ER160	Each
T8420ER5	3/4"	3/0	plain or sectional	115	T8910ER160	Each
T8420ER6	3/4"	4/0	plain or sectional	115	T8910ER160	Each
T8420ER7	1"	2/0	plain or sectional	150	T8910ER160	Each

T8422 Molds

Used to join horizontal run and tap cables to the top of a vertical ground rod.

Thermoweld type CR-17, Cadweld type NC



Part No	Ground Rod Size	Cable Size	Ground Rod Type	Weld Metal	Handles	UOM
T8422ER	5/8"	2 sol	plain or sectional	115	T8910ER160	Each
T8422ER3	5/8"	4/0	plain or sectional	250	T8910ER160	Each
T8422ER1	3/4"	2 sol	plain or sectional	115	T8910ER160	Each

One Shot Cable to Ground Rod Molds

T8428 Molds (One Shot)

Used to join horizontal through copper cable to the top of a vertical ground rod. Disposable body. Everything needed is included except the flint ignitor.

Thermoweld type CR-2, Cadweld type GT



Part No	Ground Rod Size	Conductor Solid	Conductor Stranded	UOM
T8428ER1	1/2"	1, 2	2, 3	Each
T8428ER	5/8"	1, 2	2, 3	Each
T8428ER2	3/4"	1, 2	2, 3	Each

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EXOTHERMIC GROUNDING

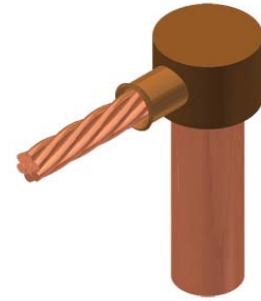


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T8429 Molds (One Shot)

Used to terminate horizontal copper cable at the top of a vertical ground rod. Disposable body. Everything needed is included except the flint ignitor.

Thermoweld type CR-1, Cadweld type GR

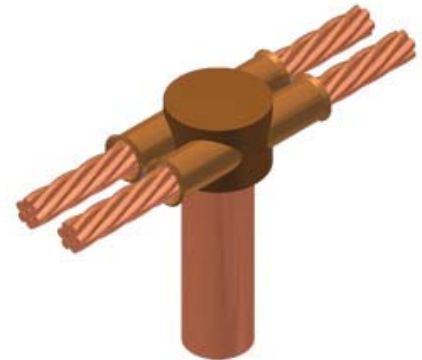


Part No	Ground Rod Size	Conductor Solid	Conductor Stranded	UOM
T8429ER	1/2"	1, 2	2, 3	Each
T8429ER1	5/8"	1, 2	2, 3	Each
T8429ER2	3/4"	1, 2	2, 3	Each

T8430 Molds (One Shot)

Used to join two parallel horizontal through cables to the top of a vertical ground rod. Disposable body. Everything needed is included except the flint ignitor.

Cadweld type NX



Part No	Ground Rod Size	Conductor Solid	Conductor Stranded	UOM
T8430ER	5/8"	1, 2	2, 3	Each
T8430ER1	3/4"	1, 2	2, 3	Each

Cable to Steel Molds

T8211 Molds - Pipe

Used to terminate a horizontal copper cable to horizontal steel pipe. Note that the cable is on the surface.

Thermoweld type CS-8, Cadweld type HA

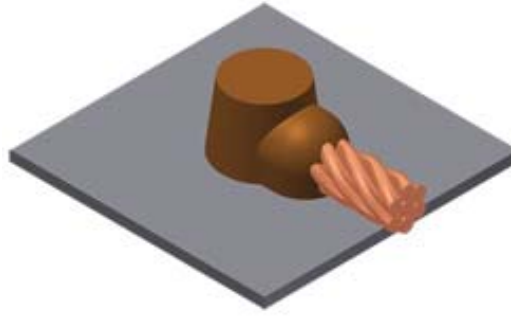


Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8211ER4	2	1-1/4" to 2"	45	included	Each
T8211ER2	2	3" to 4"	45	included	Each
T8211ER1	2	6" to 8"	45	included	Each
T8211ER	2	10" to 12"	45	included	Each
T8211ER6	2 sol	1-1/4" to 2"	45	included	Each
T8211ER7	2 sol	3" to 4"	45	included	Each
T8211ER8	2 sol	6" to 8"	45	included	Each
T8211ER9	2 sol	10" to 12"	45	included	Each
T8211ER10	2/0	3" to 4"	90	included	Each
T8211ER11	4/0	3" to 4"	115	included	Each
T8211ER12	4/0	6" to 10"	115	included	Each

T8211 Molds - Flat Steel

Used to terminate a horizontal copper cable to any horizontal steel surface.
Note that the cable is on the surface.

Thermoweld type CS-8, Cadweld type HA

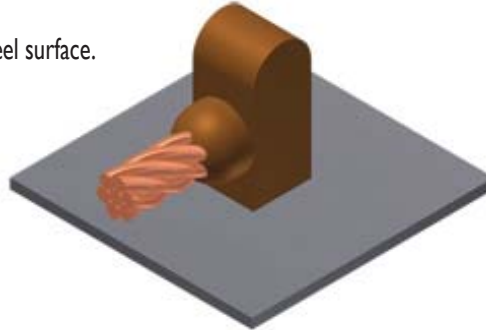


Part No	Cable Size	Weld Metal	Handles	UOM
T8211ER5	2 sol	45	included	Each
T8211ER3	2	45	included	Each

T8210 Molds

Used to terminate a horizontal copper cable to any horizontal steel surface.
Note that the cable is off the surface.

Thermoweld type CS-1, Cadweld type HS

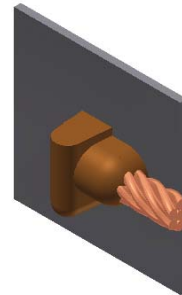


Part No	Cable Size	Weld Metal	Handles	UOM
T8210ER1	2/0	90	T8910ER160	Each
T8210ER2	4/0	115	T8910ER160	Each
T8210ER	2 sol	45	T8910ER160	Each

T8219 Molds

Used to connect a horizontal conductor to a vertical steel surface. Note that the cable is on the surface.

Thermoweld type CS-18, Cadweld type VN

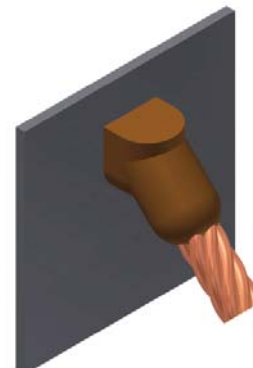


Part No	Cable Size	Pipe Size	Entry	Weld Metal	Handles	UOM
T8219ER	2 sol	1-1/4" to 2"	right entry	45	T8910ER160	Each
T8219ER1	2 sol	1-1/4" to 2"	left entry	45	T8910ER160	Each

T8212 Molds - Flat Steel

Used to join the end of a copper cable at a 45 degree angle to a vertical steel surface.

Thermoweld type CS-3, Cadweld type VS



Part No	Cable Size	Weld Metal	Handles	UOM
T8212ER8	2 sol	45	T8910ER160V	Each

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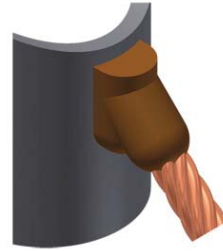


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T8212 Molds - Pipe

Used to join end of copper cable at a 45 degree up angle to a vertical steel pipe.

Thermoweld type CS-3, Cadweld type VS



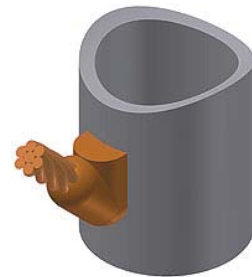
*Used for fence jumpers

Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8212ER9	2 sol	1-1/2" to 4"	45	T8910ER160V	Each
T8212ER2	2 sol	4" to 6"	45	T8910ER160V	Each
T8212ER1	2 sol	6" to 10"	45	T8910ER160V	Each
T8212ER3 *	2	1-1/2" to 4"	45	T8910ER160V	Each

T8214 Molds - Vert Pipe Up

Used to join end of copper cable at a 45 degree down angle to a vertical steel pipe.

Thermoweld type CS-7, Cadweld type VF



Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8214ER	2	1-1/2" to 4"	65	T8910ER160V	Each
T8214ER2	2 sol	1-1/2" to 4"	65	T8910ER160V	Each
T8214ER1	4/0	2" to 4"	200	T8910ER160V	Each

T8213 Molds - Flat Steel

Used to connect a vertical cable down to a vertical steel surface. Cable is off surface.

Thermoweld type CS-23, Cadweld type VB



Part No	Cable Size	Weld Metal	Handles	UOM
T8213ER2	2 sol	65	T8910ER160V	Each
T8213ER	2	65	T8910ER160V	Each
T8213ER3	2/0	115	T8910ER160V	Each
T8213ER4	4/0	150	T8910ER160V	Each

T8214 Molds - Flat Steel

Used to join an overhead vertical copper conductor drop tap to a vertical steel surface.

Thermoweld type CS-7, Cadweld type VF



Part No	Cable Size	Weld Metal	Handles	UOM
T8214ER3	2 sol	65	T8910ER160V	Each
T8214ER4	2	65	T8910ER160V	Each
T8214ER5	2/0	150	T8910ER160V	Each
T8214ER6	4/0	200	T8910ER160V	Each

T8213 Molds - Fence Jumpers

Used to connect a vertical cable down to a vertical steel pipe. Cable is off surface. The mold is typically used with fence jumpers.

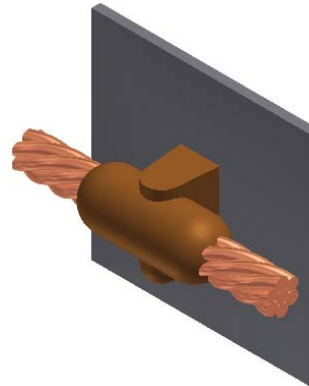
Thermoweld type CS-23, Cadweld type VB

Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8213ER1	4/0	1-1/4" to 3-1/2"	115	T8910ER160V	Each

T8215 Molds

Used to join horizontal through cable to a vertical flat steel surface. Cable is on the surface.

Thermoweld type CS-27, Cadweld type VG

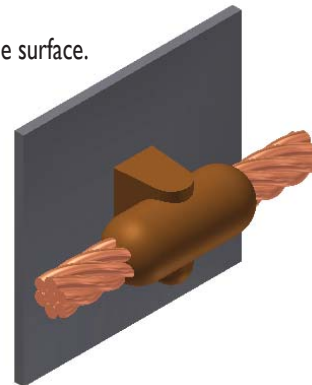


Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8215ER	2 sol	1-1/5"	45	T8910ER160V	Each
T8215ER1	2 sol	3"	45	T8910ER160V	Each

T8216 Molds

Used to join horizontal through cable to a vertical flat steel surface. Cable is off the surface.

Thermoweld type CS-6, Cadweld type VT



Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8216ER	2 sol	1-1/2" to 4"	65	T8910ER160VT	Each

T8217 Molds

Used to join a vertical through cable to a vertical flat steel surface.

Thermoweld type CS-4, Cadweld type VV



Part No	Cable Size	Weld Metal	Handles	UOM
T8217ER2*	6	90	T8910ER160 + T8910ER396, T8910ER134	Each
T8217ER	2 sol	115	T8910ER160 + T8910ER396, T8910ER134	Each
T8217ER3	2	115	T8910ER160 + T8910ER396, T8910ER134	Each
T8217ER4	4/0	250	T8910ER160 + T8910ER396, T8910ER134	Each

*requires 2 adapter sleeves per weld

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T8217 Molds - Pipe

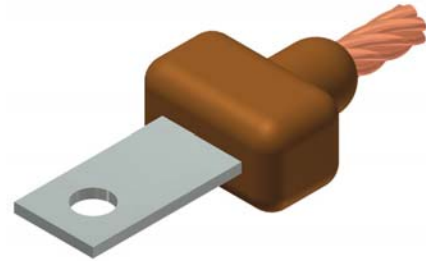
Used to join a vertical through cable to the side of a vertical or horizontal steel pipe.
Thermoweld type CS-4, Cadweld type VV, Tectoweld type SVTV

Part No	Cable Size	Pipe Size	Weld Metal	Handles	UOM
T8217ER1	2 sol	1-1/2" to 4"	115	T8910ER160V	Each

Cable to Lug Molds T8500 Molds

Used to connect a copper conductor to a copper lug.

Thermoweld type CB-1, Cadweld type LA



Part No	Cable Size	Lug Size	Weld Metal	Handles	UOM
T8500ER	2/0	1/8" x 1"	65	T8910ER160	Each
T8500ER1	2 sol	1/8" x 1"	45	T8910ER160	Each
T8500ER2	2	1/8" x 1"	45	T8910ER160	Each
T8500ER3	4/0	3/16" x 1"	90	T8910ER160	Each

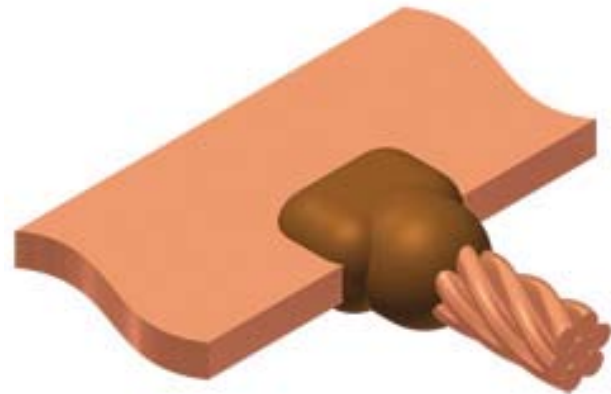
Lugs for Molds

Part No	Description	Hole Size	No. Holes	Spacing	UOM
T6490ER3	1/8" x 1" Nema lug for T8500ER, T8500ER1, T8500ER2 molds	3/8"	2	1"	Each
T6490ER	3/16" x 1" Nema lug for T8500ER3 mold	3/8"	2	1"	Each

Cable to Buss Bar Molds T8311 Molds

Used to connect a horizontal copper cable tap to a horizontal copper buss bar with the flat side horizontal.

Thermoweld type CB-4, Cadweld type LJ



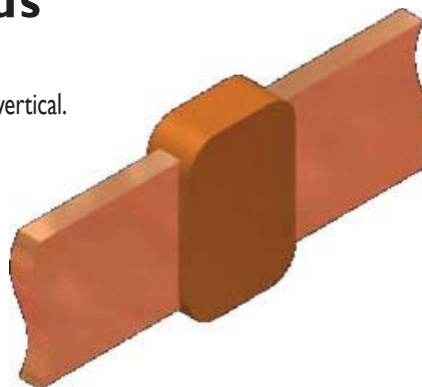
Part No	Buss Bar Size	Cable Size	Weld Metal	Handles	UOM
T8311ER	1/4" x 1-1/2" or wider	2 sol	65	T8910ER160	Each
T8311ER2	1/4" x 1-1/2" or wider	2	65	T8910ER160	Each
T8311ER4	1/4" x 1-1/2" or wider	2/0	90	T8910ER160	Each
T8311ER3	1/4" x 1-1/2" or wider	4/0	90	T8910ER160	Each

Buss Bar Connection Molds

T8600 Molds

Used to connect horizontal copper buss bars end to end. Flat sides are vertical.

Thermoweld type BB-I, Cadweld type BA



Part No	Buss Bar Size	Weld Metal	Handles	UOM
T8600ER	1/4" x 2"	200	T8910ER160	Each
T8600ER1	1/4" x 4"	500	T8910ER159	Each

Weld Metal

Standard weld metal used for all grounding connections except to cast iron or load bearing rail. Packaged by size in plastic tubes. Starting material is at the bottom of each tube. Tubes are packed in boxes along with metal disks. One disk is used for each weld.



Part No	Description	UOM
T8800ER32	#32	Each
T8800ER45	#45	Each
T8800ER65	#65	Each
T8800ER90	#90	Each
T8800ER115	#115	Each
T8800ER150	#150	Each
T8800ER200	#200	Each
T8800ER500	#500	Each

Adapter Sleeves

Used to adapt a limited range of smaller size cables to a larger mold.



Part No	Cable Size	Solid	Use in mold for stranded	UOM
T8700ER	#12, 14	#10, 12, 14	#6	Each
T8700ER1	#7, 8, 10	#6, 8	#4	Each
T8700ER2	#6	#5	#2	Each
T8700ER3	#4, 5	#3, 4	#2	Each
T8700ER4	#3, 4	#2	#1	Each
T8700ER5	#2	#1	1/0	Each
T8700ER6	#1	1/0	2/0	Each
T8700ER7	1/0, 1	2/0	3/0	Each
T8700ER8	2/0, 1/0	3/0	4/0	Each

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Exothermic Accessories



Part No	Description	UOM
T8930ER2	Flint / Ignitor Gun	Each



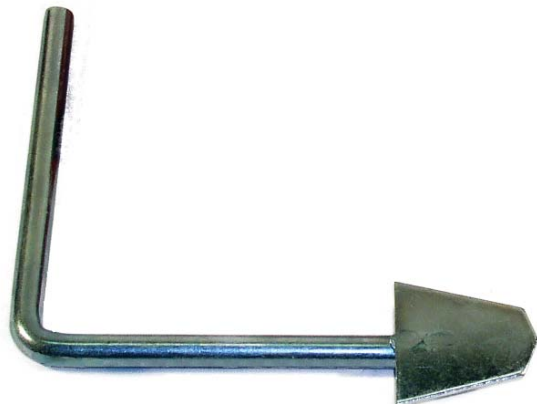
Part No	Description	UOM
T8930ER3	Mold cleaning brush	Each



Part No	Description	UOM
T8930ER1	Card cloth brush	Each

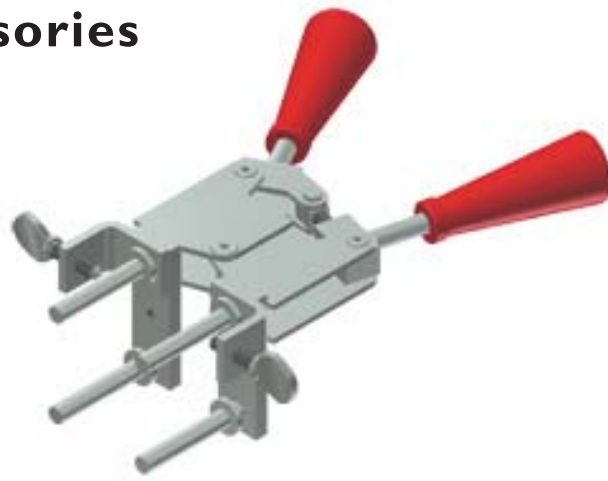


Part No	Description	UOM
T8930ER4	Mold sealer	Each



Part No	Description	Use with Weld Metal	UOM
T8900ER75	Slag removal spade	#75 and smaller	Each
T8900ER90	Slag removal spade	#90 and larger	Each

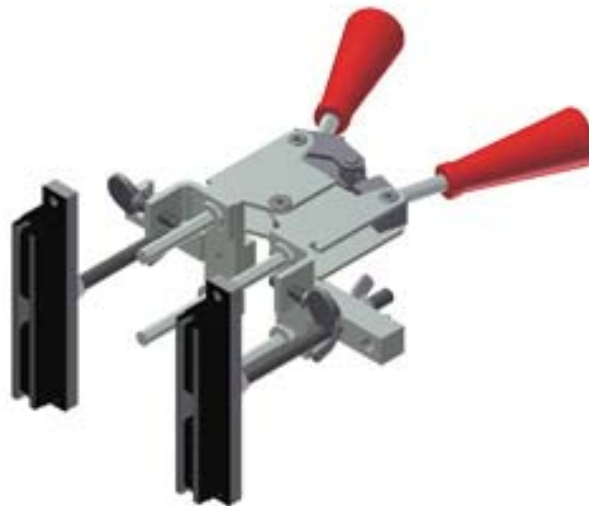
Exothermic Accessories



Part No	Description	UOM
T8910ER160	Mold handles for 3" wide molds - standard size	Each
T8910ER159	Mold handles for 4" wide molds	Each



Part No	Description	UOM
T8910ER160V	Chain support clamp for vertical pipe - standard size	Each
T8910ER160VT	Chain support clamp for vertical pipe	Each



Part No	Description	UOM
T8910ER396	Magnetic handle clamp, minimum 8" width	Each

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EXOTHERMIC GROUNDING



Plain Steel Pipe



Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
1-5/8" OD			
PI050KT8	96" long	Each	18.2
PI050KT10.5	126" long	Each	23.9
PI050KT12	144" long	Each	27.3
1-7/8" OD			
PO100KT12.5	150" long	Each	35.0
2-3/8" OD			
PI000KT2	24" long	Each	7.3
PI000KT3	36" long	Each	10.9
PI000KT4	48" long	Each	14.0
PI000KT5	60" long	Each	18.3
PI000KT5.5	63" long	Each	19.1
PI000KT6	72" long	Each	21.8
PI000KT7	84" long	Each	25.4
PI000KT8	96" long	Each	28.0
PI000KT9	108" long	Each	31.5
PI000KT9.5	114" long	Each	33.3
PI000KT10	120" long	Each	36.3
PI000KT10.5	126" long	Each	36.8
PI000KT12.5	150" long	Each	43.8
PI000KT14.5	174" long	Each	52.7
PI000KT16	192" long	Each	58.1
2-7/8" OD			
PI090KT8	96" long	Each	46.4
PI090KT10	126" long	Each	60.4
PI090KT13	156" long	Each	75.4
PI090KT14	168" long	Each	84.1

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STEEL PIPE, TUBE & CHANNEL (STRUT)

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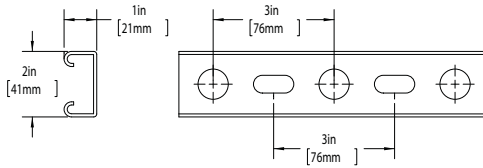
Material: Galvanized Steel

* Posts with welded feet available on page F.3

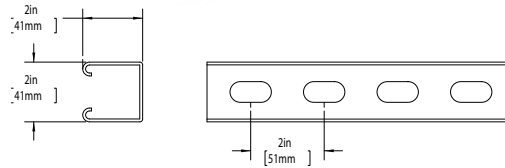
Part No	Description	UOM	Wt (lbs)
3-1/2" OD			
PI200KT4	48" long	Each	30.3
PI200KT5	60" long	Each	37.8
PI200KT6	72" long	Each	45.4
PI200KT7	90" long	Each	55.2
PI200KT8	96" long	Each	60.5
PI200KT10	120" long	Each	75.7
PI200KT10.5	126" long	Each	55.8
PI200KT12	144" long	Each	90.8
PI200KT12.5	150" long	Each	94.6
PI200KT13	156" long	Each	98.4
PI200KT14	168" long	Each	106.0
PI200KT14.5	174" long	Each	109.8
PI200KT15	180" long	Each	113.6
PI200KT16	192" long	Each	121.1
PI200KT18	216" long	Each	136.3
PI200KT20	240" long	Each	151.4
PI200KT21	252" long	Each	159.0
PI200KT24	288" long	Each	181.7
4-1/2" OD			
PI500KT3	36" long	Each	32.2
PI500KT4	48" long	Each	42.9
PI500KT5	60" long	Each	53.7
PI500KT6	72" long	Each	64.7
PI500KT8	96" long	Each	85.9
PI500KT9	108" long	Each	96.5
PI500KT14	168" long	Each	151.1
PI500KT21	252" long	Each	226.6

Strut

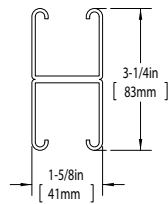
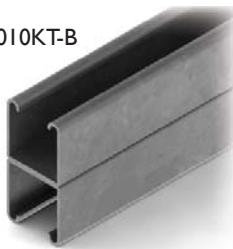
P5003KT



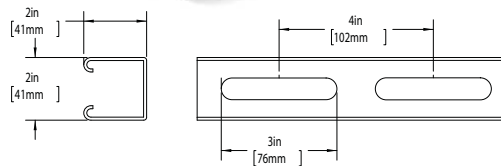
P5001ER158HD



P5010KT-B



P5004KT



Part No	Description	UOM	Wt (lbs)
P5003KT	Snap Channel, galvanized, see hole pattern above	10 ft	9.2
P5001ER158HD	See hole pattern above, galvanized,	10 ft	13.4
P5004KT	See hole pattern above, galvanized	10 ft	13.2
P5010KT-B	Back to Back, galvanized, see dimensions above	10 ft	38.0

Caps



P8000KT

P8010KT

Material: Galvanized Steel

Part No	Description	UOM	Wt (lbs)
P8000KT2.5	Fits 2-3/8" OD pipe	Each	0.5
P8000KT3.5	Fits 3-1/2" OD pipe	Each	0.8
P8000KT4	Fits 4" OD pipe	Each	1.2
P8000KT4.5	Fits 4-1/2" OD pipe	Each	1.5
Other Caps Material: Vinyl			
P8000BL	Fits 1-5/8" x 1-5/8" strut/channel, white vinyl	Each	0.1
P8010KT12	1/2" threaded rod cap, red vinyl	Each	0.1
P8010KT58R	5/8" threaded rod cap, red vinyl	Each	0.1
P8010KT58Y	5/8" threaded rod cap, yellow vinyl	Each	0.1

Steel Square Tube



STEEL PIPE, TUBE & CHANNEL (STRUT)

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Part No	Description	UOM	Wt (lbs)
3x3 Square Tube			
P1450KT6	Sq Tube 3" x 3" x 72", 3/16" wall	Each	41.3
P1450KT8	Sq Tube 3" x 3" x 96", 3/16" wall	Each	55.1
P1450KT10	Sq Tube 3" x 3" x 120", 3/16" wall	Each	68.8
P1450KT12	Sq Tube 3" x 3" x 144", 3/16" wall	Each	82.6
P1450KT14	Sq Tube 3" x 3" x 168", 3/16" wall	Each	96.4
P1450KT16	Sq Tube 3" x 3" x 16', 3/16" wall	Each	110.2
3.5x3.5 Square Tube			
P1400KT5	Sq Tube 3-1/2" x 3-1/2" x 5', 1/4" wall	Each	52.7
P1400KT8	Sq Tube 3-1/2" x 3-1/2" x 8', 1/4" wall	Each	84.3
P1400KT10	Sq Tube 3-1/2" x 3-1/2" x 10', 1/4" wall	Each	105.3
P1400KT13	Sq Tube 3-1/2" x 3-1/2" x 13', 1/4" wall	Each	137.0
P1400KT15	Sq Tube 3-1/2" x 3-1/2" x 15', 1/4" wall	Each	158.0
P1400KT20	Sq Tube 3-1/2" x 3-1/2" x 20', 1/4" wall	Each	210.7
4x4 Square Tube			
P1460KT12	Sq Tube 4" x 4" x 144", 1/4" wall	Each	146.9
P1460KT14	Sq Tube 4" x 4" x 168", 1/4" wall	Each	171.4

Family Owned Veteran Enterprise since 1980

Threaded Rod



OD	3'	6'	10'	12'
Yellow Zinc				
3/8"	P2000KT3	P2000KT6	P2000KT10	P2000KT12
1/2"	P2100KT3	P2100KT6	P2100KT10	P2100KT12
5/8"	P2200KT3	P2200KT6	P2200KT10	P2200KT12
Galvanized Steel				
3/8"	P2020KT3	P2020KT6	P2020KT10	P2020KT12
1/2"	P2120KT3	P2120KT6	P2120KT10	P2120KT12
5/8"	P2220KT3	P2220KT6	P2220KT10	P2220KT12
3/4"			P2320KT10	
Stainless Steel				
3/8"	P2010KT3	P2010KT6	P2010KT10	P2010KT12
1/2"	P2110KT3	P2110KT6	P2110KT10	P2110KT12
5/8"	P2210KT3	P2210KT6	P2210KT10	P2210KT12
3/4"				P2310KT12

U-Bolt Assemblies

- U-bolt assemblies include nuts, lock washers, and flat washers.
- No minimum order.



Material: Galvanized Steel

Part No	Description	UOM
K7941KT4-I	U-bolt for 2-3/8" OD pipe, 1/2" diameter, 4" long, 2-1/2" wide, 2" threads	Each
K7940KT14-I	U-bolt for 2-7/8" OD pipe, 1/2" diameter, 5-3/4" long, 2-15/16" wide, 3" threads	Each
K7942KT6-I	U-bolt for 3-1/2" OD pipe, 1/2" diameter, 5" long, 3-5/8" wide, 2-1/2" threads	Each
K7940KT4-I	U-bolt for 4" OD pipe, 1/2" diameter, 6-1/2" long, 4-1/8" wide, 2-7/8" threads	Each
K7940KT5-I	U-bolt for 4-1/2" OD pipe, 1/2" diameter, 6-3/4" long, 4-9/16" wide, 2-7/8" threads	Each
K7941KT5-I	U-bolt for 4-1/2" OD pipe, 5/8" diameter, 7-1/2" long, 4-5/8" wide, 3" threads	Each

Square U-Bolt Assemblies

- Square U-bolt assemblies include nuts, lock washers, and flat washers.
- No minimum order.



Material: Galvanized Steel

Part No	Description	UOM
K7940KT214SQ-I	Square U-bolt kit for 2" Square Tube	Each
K7940KT234SQ-I	Square U-bolt kit for 2.5" Square Tube	Each
K7940KT15SQ-I	Square U-bolt kit for 3" Square Tube	Each
K7936KTSQ-I	Square U-bolt kit for 3.5" Square Tube	Each
K7940KT16SQ-I	Square U-bolt kit for 4" Square Tube	Each

J-Bolt Assemblies

- J-bolt assemblies include nuts, lock washers, and flat washers.
- No minimum order.



Material: Galvanized Steel

Part No	Description	UOM
K9925KTA	J-bolt, 3/8" diameter, 8" long, 1" wide, 6-1/2" threads	Each

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Hex Head Bolts (Stainless Steel)

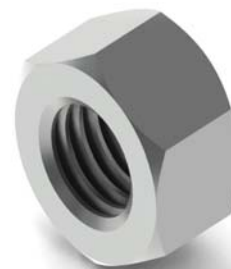
No minimum order. Bulk pricing is available.



Part No	Description	UOM
HI027KT34SS	1/4" x 3/4"	Each
HI027KT1SS	1/4" x 1"	Each
HI027KT114SS	1/4" x 1-1/4"	Each
HI027KT112SS	1/4" x 1-1/2"	Each
HI027KT312SS	1/4" x 3-1/2"	Each
HI028KT34SS	3/8" x 3/4"	Each
HI028KT1SS	3/8" x 1"	Each
HI028KT114SS	3/8" x 1-1/4"	Each
HI028KT112SS	3/8" x 1-1/2"	Each
HI028KT2SS	3/8" x 2"	Each
HI028KT212SS	3/8" x 2-1/2"	Each
HI026KT1SS	1/2" x 1"	Each
HI026KT112SS	1/2" x 1-1/2"	Each
HI026KT2SS	1/2" x 2"	Each
HI026KT212SS	1/2" x 2-1/2"	Each
HI029KT1SS	5/8" x 1"	Each
HI029KT114SS	5/8" x 1-1/4"	Each
HI029KT2SS	5/8" x 2"	Each

Hex Nuts (Stainless Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H2002KT14SS	Nut, hex 1/4" stainless steel	Each
H2002KT38SS	Nut, hex 3/8" stainless steel	Each
H2002KT12SS	Nut, hex 1/2" stainless steel	Each
H2002KT58SS	Nut, hex 5/8" stainless steel	Each

Hex Head Bolts (Galvanized Steel)

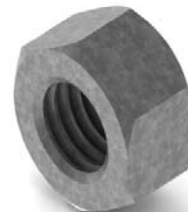
No minimum order. Bulk pricing is available.



Part No	Description	UOM
H1027KT1G5	1/4" x 1", grade 5	Each
H1027KT112G5	1/4" x 1-1/2", grade 5	Each
H1028KT1G5	3/8" x 1", grade 5	Each
H1028KT114G5	3/8" x 1-1/4", grade 5	Each
H1028KT112G5	3/8" x 1-1/2", grade 5	Each
H1028KT2G5	3/8" x 2", grade 5	Each
H1028KT212G5	3/8" x 2-1/2", grade 5	Each
H1028KT3G5	3/8" x 3", grade 5	Each
H1028KT5G5	3/8" x 5", grade 5	Each
H1026KT12G5	1/2" x 1/2", grade 5	Each
H1026KT1G5	1/2" x 1", grade 5	Each
H1026KT112G5	1/2" x 1-1/2", grade 5	Each
H1026KT2G5	1/2" x 2", grade 5	Each
H1026KT212G5	1/2" x 2-1/2", grade 5	Each
H1026KT312G5	1/2" x 3-1/2", grade 5	Each
H1029KT114G5	5/8" x 1-1/4", grade 5	Each
H1029KT112G5	5/8" x 1-1/2", grade 5	Each
H1029KT2G5	5/8" x 2", grade 5	Each
H1026KT114GA3	1/2" X 1-1/4", grade A325	Each
H1026KT112GA3	1/2" X 1-1/2", grade A325	Each
H1026KT134GA3	1/2" X 1-3/4", grade A325	Each
H1026KT312GA3	1/2" X 3-1/2", grade A325	Each
H1026KT4GA3	1/2" X 4", grade A325	Each
H1029KT134GA3	5/8" x 1-3/4", grade A325	Each
H1029KT2GA3	5/8" x 2", grade A325	Each
H1029KT214GA3	5/8" x 2-1/4", grade A325	Each
H1029KT212GA3	5/8" x 2-1/2", grade A325	Each
H1032KT214GA3	3/4" x 2-1/4", grade A325	Each

Hex Nuts (Galvanized Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H2002KT38G	3/8"	Each
H2002KT12G	1/2"	Each
H2002KT12GA3	1/2", grade A325	Each
H2002KT58G	5/8"	Each
H2002KT58GA3	5/8", grade A325	Each
H2002KT34G	3/4"	Each
H2002KT34GA3	3/4", grade A325	Each

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Lock Washers (Stainless Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3002KT14SS	1/4"	Each
H3002KT38SS	3/8"	Each
H3002KT12SS	1/2"	Each
H3002KT58SS	5/8"	Each

Flat Washers (Stainless Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3012KT14SS	1/4"	Each
H3012KT38SS	3/8"	Each
H3012KT12SS	1/2"	Each
H3012KT58SS	5/8"	Each
H3012KT38SSX	3/8" ID x 5/8" OD	Each

Star Washers (Stainless Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3020KT14SS	External star washer, 1/4"	Each
H3020KT516SS	External star washer, 5/16"	Each
H3020KT38SS	External star washer, 3/8"	Each
H3020KT12SS	External star washer, 1/2"	Each
H3002KT14SSIL	Internal star washer, 1/4"	Each
H3002KT516SSIL	Internal star washer, 5/16"	Each
H3002KT38SSIL	Internal star washer, 3/8"	Each
H3002KT12SSIL	Internal star washer, 1/2"	Each

Lock Washers (Galvanized Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3002KT38G	3/8"	Each
H3002KT12G	1/2"	Each
H3002KT58G	5/8"	Each
H3002KT34G	3/4"	Each

Flat Washers (Galvanized Steel)

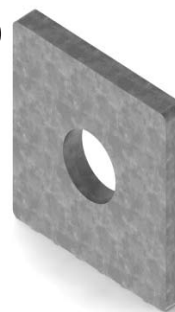
No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3012KT38G	3/8"	Each
H3012KT12G	1/2"	Each
H3012KT12GSA3	1/2", A325	Each
H3012KT58G	5/8"	Each
H3012KT58GSA3	5/8", A325	Each
H3012KT34G	3/4"	Each
H3012KT34GSA3	3/4", A325	Each

Square Washers (Galvanized Steel)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H3031KT38G	Square Washer, 1-1/4" square, 7/16" hole	Each
H3030KT12G	Square Washer, 1-9/16" square, 9/16" hole	Each

Spring Nuts (Zinc)

No minimum order. Bulk pricing is available.



Part No	Description	UOM
H2010KT14	1/4"	Each
H2010KT38	3/8"	Each
H2010KT12	1/2"	Each
H2010KT58	5/8"	Each

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Full Body Harness



Pinnacle Harness

- In-line shock absorber
- Floating dorsal padding and “glide” webbing
- Tool rings, tool loops, and removable tool belt
- Independent adjustable saddle with an easily removable aluminum bar
- Full padding on leg straps and back belt
- Aluminum D-Rings are available to reduce weight over 10%



Eagle Harness

- Parachute mating buckles
- 5” padded backpad
- Removable tool belt
- Adjustable shoulder straps

Part No	Size	Size	UOM
T7004KT-S	EAGLE Tower Saddle Harness, Small	Small	Each
T7004KT-M	EAGLE Tower Saddle Harness, Medium	Medium	Each
T7004KT-L	EAGLE Tower Saddle Harness, Large	Large	Each
T7004KT-XL	EAGLE Tower Saddle Harness, X Large	X-Large	Each
T7009KT-S	Pinnacle Harness, aluminum D-ring, Small	Small	Each
T7009KT-M	Pinnacle Harness, aluminum D-ring, Medium	Medium	Each
T7009KT-L	Pinnacle Harness, aluminum D-ring, Large	Large	Each
T7009KT-XL	Pinnacle Harness, aluminum D-ring, X Large	X-Large	Each
T7010KT-S	Pinnacle Harness, steel D-ring, Small	Small	Each
T7010KT-M	Pinnacle Harness, steel D-ring, Medium	Medium	Each
T7010KT-L	Pinnacle Harness, steel D-ring, Large	Large	Each
T7010KT-XL	Pinnacle Harness, steel D-ring, X Large	X-Large	Each

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Full Body Harness (continued)

Exofit XP

- Washable with removable padding
- Mesh lining wicks moisture away for maximum dryness
- Spring loaded “stand-up” dorsal D-ring ensures fast, easy and safe connections
- “X” design padding allows for no-tangle donning
- Contains shoulder, back, seat, hip and leg padding
- One handed quick connect buckles
- Built-in body belt with pad and side D-rings
- Removable seat and pad with suspension D-rings
- Meets or exceeds industry standards including OSHA and ANSI Z359



Part No	Size	UOM
T7007KTXP-S	Small	Each
T7007KTXP-M	Medium	Each
T7007KTXP-L	Large	Each
T7007KTXP-XL	Extra-large	Each

Exofit

- ExoFit removable padding
- Mesh lining wicks moisture away for maximum dryness
- Spring loaded “stand-up” dorsal D-ring ensures fast, easy and safe connections
- “X” design padding allows for no-tangle donning
- Contains shoulder, back, seat, hip and leg padding
- One handed quick connect buckles
- Built-in body belt with pad and side D-rings
- Removable seat and pad with suspension D-rings
- Meets or exceeds industry standards including OSHA and ANSI Z359



Part No	Size	UOM
T7007KT-S	Small	Each
T7007KT-M	Medium	Each
T7007KT-L	Large	Each
T7007KT-XL	Extra-large	Each

Shock Absorbing Lanyard

These shock-absorbing lanyards are equipped with auto-lock snaphooks that are easy to operate with one hand and are rated for Fall Arrest. (Rope Lanyard available upon request)



Part No	Description	UOM	Wt (lbs)
Zorber Pack Style			
T7201KT1	2-point, 6ft long, 3/4" snaphook to a 2-1/2" large rebar pelican hook	Each	2.1
T7201KT	3-point, 6ft long, (1) 3/4" snaphook, (2) large rebar pelican hooks	Each	4.5
No Pac (bungee) Style			
T7201KT15	3-point, 6ft long, (1) 3/4" snaphook, (2) large aluminum carabiners	Each	4.5
T7201KT11	3-point, 6ft long, (1) 3/4" snaphook, (2) large rebar pelican hooks	Each	4.7
T7110KT	2-point, 6ft long, 3/4" snaphook to a 2-1/2" large rebar pelican hook	Each	4.7
Zorber Flex (pack and bungee) Style			
T7201KT4	3-point, 6ft long, (1) 3/4" snaphook, (2) large aluminum carabiners	Each	2.3
T7202KT7	3-point, 6ft long, (1) 3/4" snaphook, (2) large rebar pelican hooks	Each	4.7
T7202KT6	3-point SPLIT LEG, 6ft long, (1) 3/4" snaphook, (2) large rebar pelican hooks	Each	4.5

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Positioning Web Lanyards

Web lanyards with auto-lock snaphooks provide the connection between the harness and anchorage. Web lanyards may be used for Fall Protection and Positioning.



Part No	Description	Size	UOM
T7102KT02	1" nylon, 3/4" throat opening auto-lock snaphook on each end	1" x 2'	Each
T7102KT03	1" nylon, 3/4" throat opening auto-lock snaphook on each end (not shown)	1" x 3'	Each
T7102KT04	1" nylon, 3/4" throat opening auto-lock snaphook on each end (not shown)	1" x 4'	Each
T7102KT06	1" nylon, adjustable, 3/4" throat opening auto-lock snaphook on each end	1" x 6'	Each
T7102KT116	Lanyard 1" web x 6' w/snaphooks (not shown)	1" x 6'	Each
T7102KT05	Web lanyard, 1" x 3' dble snaphook/loop (not shown)	1" x 3'	Each
T7102KT03P	Web lanyard, 3', snap/pelican (not shown)	1" x 3'	Each
T7102KT10	Lanyard 1" x 10' adj. web 3/4" open (not shown)	1" x 10'	Each

Double Locking Separator Snaphook

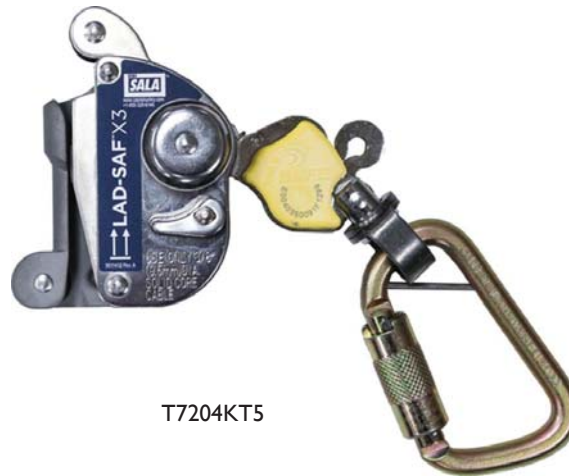


Part No	Description	UOM
T7526KT3	5/8" throat opening	Each

Safety Sleeve/Cable Grabs



T7203KT4



T7204KT5

Part No	Description	UOM
T7204KT4	3/8" wire rope grab, requires carabiner	Each
T7204KT5	Lad-Saf™ X3 Detachable Cable Sleeve - 3/8 in. (9.5 mm)	Each

Rope Grab

Rope Grabs are easy to open and attach securely at any point along the length of an approved vertical lifeline. A lanyard is most often the connector between the harness and the rope grab and may be permanently attached to either or both.



Part No	Description	UOM
T7510KT	5/8" rope grab	Each

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Q.5

Fisk Descender



Part No	Description	UOM
T7204KT	Fisk descender	Each

Bolt Bags



T7500KT



T7517KT



T7518KT



T7502KT



T7502KT7



T7502KT6

Part No	Description	UOM
T7500KT	Belt pouch, 8" x 3" x 10", canvas reinforced vinyl bottom with drain hole, inside pocket, two nylon straps with snaphook and loop.	Each
T7517KT	Belt pouch, 9" x 3" x 10", heavy canvas with drain hole, reinforced opening with rope, inside pocket, two nylon straps with snaphook and loop.	Each
T7518KT	Bull pin belt pouch, 9" x 3" x 10", canvas with reinforced bottom, belt loop tunnels	Each
T7502KT	Leather bottom, canvas bolt bucket with rope handle and inside pocket (nose bag)	Each
T7502KT7	Elk Drawstring Bag -White canvas, 14" deep, belt tunnel/inside pocket	Each
T7502KT6	Elk Drawstring Bag - Red canvas, 10" deep, belt tunnel, KTC logo	Each

Rope Lifelines

Rope lifelines are most commonly used as vertical lifelines. Vertical lifelines are generally used in conjunction with a Rope Grab, allowing the user freedom of movement up or down, while providing a passive fall arrest system. Custom size available upon request.

Part No	Description	UOM
T7515KT12	1/2" x 600'	Each
T7515KT58	5/8" x 600'	Each
T7515KT34	3/4" x 600'	Each

Carabiners



Part No	Description	Gauge	Length	Width	Opening	UOM
T7200KT1	Auto-twist lock, fall rated (not shown)	1/2"	4"	2-1/4"	1"	Each
T7202KT4	Auto-twist lock, fall rated	1/2"	6-5/8"	3-7/8"	2"	Each
T7205KT	Auto-twist lock, fall rated	1/2"	3-1/2"	1-1/2"	3/4"	Each
T7207KT	Auto-twist lock, fall rated	1/2"	7-1/2"	4-1/2"	2-1/4"	Each
T7210KT	Auto-twist lock, aluminum, fall rated	1/2"	4"	2"	7/8"	Each
T7210KT1	Aluminum scaffold carabiner	5/8"	8-21/32"	5-1/8"	2"	Each

Hooks



Part No	Description	Dimensions	UOM
T7526KT2	Snaphook, auto-lock, fall rated	5" x 2-1/4" x 3/4"	Each
T7526KT	Auto-lock rebar hook #18, fall rated	8-31/32" x 4-41/64" x 2-1/2"	Each

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T1504KT48TA	<i>D.15</i>	T1670KTP12-496	<i>B.2</i>	T1709KT33S	<i>E.4</i>
T1504KTUA	<i>D.15</i>	T1671KT	<i>B.3</i>	T1709KT253A	<i>E.3</i>
T1504KTUTA	<i>D.15</i>	T1671KT12-496	<i>B.3</i>	T1709KT253SA	<i>E.3</i>
T1508KT	<i>D.5</i>	T1671KTP	<i>B.4</i>	T1709KTA	<i>E.3</i>
T1508KT10-996-M	<i>D.5</i>	T1671KTP12-496	<i>B.4</i>	T1709KTS	<i>E.3</i>
T1509KT	<i>D.3</i>	T1672KT	<i>B.5</i>	T1709KTV2A	<i>E.4</i>
T1509KT12-996-M	<i>D.3</i>	T1672KT12-596	<i>B.5</i>	T1710KT	<i>D.10</i>
T1510KT	<i>D.1, D.2</i>	T1672KTP	<i>B.6</i>	T1711KT	<i>D.10</i>
T1510KT12B-996-M	<i>D.1</i>	T1672KTP12-596	<i>B.6</i>	T1711KT12B	<i>D.14</i>
T1510KT12H-996-M	<i>D.2</i>	T1703KT8	<i>G.4</i>	T1711KT24B	<i>D.14</i>
T1511KT	<i>D.8</i>	T1704KT	<i>B.19</i>	T1711KT40B	<i>D.14</i>
T1512KT	<i>D.1, D.2</i>	T1704KT2-496	<i>B.19</i>	T1721KT	<i>E.4</i>
T1513KT	<i>D.4</i>	T1704KT3A	<i>B.21</i>	T1721KT1A	<i>E.4</i>
T1513KT-1296-M	<i>D.4</i>	T1704KT4A	<i>B.20</i>	T1721KTA	<i>E.4</i>
T1515KT-G	<i>B.9</i>	T1704KTL4A	<i>B.20</i>	T1722KT	<i>E.2</i>
T1515KT-H-M	<i>D.7</i>	T1704KTL-463	<i>B.21</i>	T1722KT1S	<i>E.2</i>
T1516KT	<i>D.6</i>	T1708KT	<i>B.23, E.4</i>	T1722KT2S	<i>E.2</i>
T1516KT-1596-M	<i>D.6</i>	T1708KT1A	<i>B.23</i>	T1722KT3S	<i>E.2</i>
T1517KT	<i>D.5</i>	T1708KT3A	<i>B.23, E.4</i>	T1722KT4S	<i>E.2</i>
T1518KT	<i>D.3</i>	T1708KT225A	<i>E.4</i>	T1722KT5S	<i>E.2</i>
T1520KTA	<i>D.12</i>	T1708KTA	<i>B.23, E.4</i>	T1722KT6S	<i>E.2</i>
T1521KTA	<i>D.12</i>	T1709KT	<i>E.3, E.4</i>	T1722KT7S	<i>E.2</i>
T1527KT	<i>G.3</i>	T1709KT1A	<i>E.3</i>	T1722KT8S	<i>E.2</i>
T1527KTS	<i>G.4</i>	T1709KT1SA	<i>E.3</i>	T1722KT9S	<i>E.2</i>
T1528KT	<i>G.3</i>	T1709KT2A	<i>E.3</i>	T1722KT10S	<i>E.2</i>
T1529KT	<i>G.3</i>	T1709KT2SA	<i>E.3</i>	T1722KT11S	<i>E.2</i>
T1529KT4X8	<i>G.3</i>	T1709KT3A	<i>E.3</i>	T1723KT218	<i>D.11</i>
T1530KT	<i>I.8</i>	T1709KT3SA	<i>E.3</i>	T1730KT	<i>D.12</i>
T1602KT	<i>B.8</i>	T1709KT4A	<i>E.3</i>	T1730KT-L	<i>D.12</i>
T1603KT	<i>B.8</i>	T1709KT4SA	<i>E.3</i>	T1730KT-S	<i>D.12</i>
T1607KT72	<i>B.17</i>	T1709KT5A	<i>E.3</i>	T1760KT	<i>B.15</i>
T1612KT	<i>B.11</i>	T1709KT5SA	<i>E.3</i>	T1760KT16-196	<i>B.15</i>
T1612KT1	<i>B.11</i>	T1709KT6A	<i>E.3</i>	T1760KT16-296	<i>B.15</i>
T1612KT2	<i>B.11</i>	T1709KT6SA	<i>E.3</i>	T1760KT16A	<i>D.14</i>
T1612KT3	<i>B.11</i>	T1709KT7A	<i>E.3</i>	T1801KT	<i>D.17</i>
T1612KTL	<i>B.11</i>	T1709KT7SA	<i>E.3</i>	T1801KTH	<i>D.17</i>
T1612KTL1	<i>B.11</i>	T1709KT8SA	<i>E.3</i>	T1804KT	<i>D.16</i>
T1612KTL2	<i>B.11</i>	T1709KT9SA	<i>E.3</i>	T1804KT2-96	<i>D.16</i>
T1612KTL3	<i>B.11</i>	T1709KT10A	<i>E.3</i>	T1804KT-96	<i>D.16</i>
T1652KT	<i>B.7</i>	T1709KT10SA	<i>E.3</i>	T1805KT	<i>D.16</i>
T1652KT12-496	<i>B.7</i>	T1709KT11A	<i>E.3</i>	T1805KT-96	<i>D.16</i>
T1670KT	<i>B.1</i>	T1709KT11SA	<i>E.3</i>	T1815KT	<i>D.17</i>
		T1709KT12SA	<i>E.3</i>	T1815KT1	<i>D.17</i>
		T1709KT13A	<i>E.3</i>	T1815KT2	<i>D.17</i>

T1815KT3 <i>D.17</i>	T3501KT12-4J <i>C.1</i>	T3824KT2ZA <i>F.5</i>
T1850KT <i>G.5</i>	T3501KT18-6 <i>C.1</i>	T3824KT3Z <i>F.5</i>
T1902KT <i>H.3, H.6</i>	T3501KT18-6J <i>C.1</i>	T3836KT1Z <i>F.5</i>
T1902KT-P <i>H.6</i>	T3501KT27-9 <i>C.1</i>	T3836KT2Z <i>F.5</i>
T1902KT-PH <i>H.6</i>	T3501KT27-9J <i>C.1</i>	T3900KT10 <i>F.3</i>
T1902KT-U <i>H.3</i>	T3501KT36-12 <i>C.1</i>	T3900KT12 <i>F.3</i>
T1902KT-UH <i>H.3</i>	T3501KT36-12J <i>C.1</i>	T3901KT10 <i>F.3</i>
T1910KT <i>H.1</i>	T3501KT43-15 <i>C.1</i>	T3902KT10 <i>F.3</i>
T1910KT12-496 <i>H.1</i>	T3501KT43-15J <i>C.1</i>	T3902KT12 <i>F.3</i>
T1914KT <i>H.4</i>	T3600KTA <i>K.12</i>	T3904KT10 <i>F.3</i>
T1914KT2 <i>H.4</i>	T3600MTP4 <i>I.1, I.2</i>	T3904KT12 <i>F.3</i>
T1915KT <i>H.2</i>	T3604KT <i>I.1</i>	T3906KT10 <i>F.3</i>
T1919KT <i>H.5</i>	T3604KT4-S <i>I.1</i>	T3906KT12 <i>F.3</i>
T1920MTA <i>H.5</i>	T3604KT8-S <i>I.1</i>	T3909KT10 <i>F.3</i>
T1921MT2 <i>H.4</i>	T3604KT12-S <i>I.1</i>	T3909KT12 <i>F.3</i>
T1927KT <i>H.3</i>	T3605MT <i>I.2</i>	T5410KT <i>J.3</i>
T1927KT7 <i>H.3</i>	T3605MT4 <i>I.2</i>	T5410KT126 <i>J.3</i>
T1927KT10 <i>H.3</i>	T3605MT6 <i>I.2</i>	T5410KT146 <i>J.3</i>
T1928KT7 <i>H.3</i>	T3605MT8 <i>I.2</i>	T5411KTA <i>J.3</i>
T1928KT10 <i>H.3</i>	T3605MT9 <i>I.2</i>	T5450KT <i>J.1</i>
T3206MT <i>I.2</i>	T3605MT12 <i>I.2</i>	T5450KT12 <i>J.1</i>
T3207MT <i>I.2</i>	T3606KT4 <i>I.1</i>	T5450KT14 <i>J.1</i>
T3209MT <i>I.2</i>	T3606KT8 <i>I.1</i>	T5451KT <i>J.1</i>
T3403MT4 <i>I.2</i>	T3606KT12 <i>I.1</i>	T5451KT2 <i>J.2</i>
T3403MT8 <i>I.2</i>	T3700KT <i>I.3</i>	T5451KT12 <i>J.1</i>
T3411KT12A <i>F.5</i>	T3700KT4 <i>I.3</i>	T5451KT14 <i>J.1</i>
T3411KTA <i>F.5</i>	T3700KT8 <i>I.3</i>	T5452KT <i>J.1</i>
T3412KT <i>F.1</i>	T3700KT12 <i>I.3</i>	T5452KT12-3 <i>J.1</i>
T3412KT14-2Z <i>F.1</i>	T3750KT <i>I.3</i>	T5452KT12-4 <i>J.1</i>
T3415KT24A <i>F.5</i>	T3750KT4 <i>I.3</i>	T5452KT14-3 <i>J.1</i>
T3415KT36A <i>F.5</i>	T3750KT8 <i>I.3</i>	T5452KT14-4 <i>J.1</i>
T3415KT48A <i>F.5</i>	T3750KT12 <i>I.3</i>	T5453KTA <i>J.2</i>
T3424KT <i>F.2</i>	T3801KT1 <i>M.5</i>	T6100MT12C <i>M.1</i>
T3424KT14-3S <i>F.2</i>	T3801KT2 <i>M.5</i>	T6100MT12CE <i>M.1</i>
T3425KT <i>F.2</i>	T3801KT3 <i>M.5</i>	T6100MT12S <i>M.1</i>
T3425KT14-3 <i>F.2</i>	T3801KT4 <i>M.5</i>	T6110MT58C <i>M.1</i>
T3500KT12-4 <i>C.1</i>	T3803KT1 <i>F.5</i>	T6110MT58CE <i>M.1</i>
T3500KT12-4J <i>C.1</i>	T3803KT2 <i>F.5</i>	T6110MT58S <i>M.1</i>
T3500KT18-6 <i>C.1</i>	T3803KT3 <i>F.5</i>	T6120MT78C <i>M.1</i>
T3500KT18-6J <i>C.1</i>	T3810KT1A <i>F.5</i>	T6120MT78CE <i>M.1</i>
T3500KT27-9 <i>C.1</i>	T3810KT2A <i>F.5</i>	T6120MT78S <i>M.1</i>
T3500KT27-9J <i>C.1</i>	T3810KT3 <i>F.5</i>	T6130MT114C <i>M.1</i>
T3500KT36-12 <i>C.1</i>	T3810KT3A <i>F.5</i>	T6130MT114CE <i>M.1</i>
T3500KT36-12J <i>C.1</i>	T3812KT1Z <i>F.5</i>	T6130MT114S <i>M.1</i>
T3500KT43-15 <i>C.1</i>	T3812KT2Z <i>F.5</i>	T6140MT158C <i>M.1</i>
T3500KT43-15J <i>C.1</i>	T3812KT3Z <i>F.5</i>	T6140MT158CE <i>M.1</i>
T3501KT12-4 <i>C.1</i>	T3824KT1Z <i>F.5</i>	T6140MT158S <i>M.1</i>

T6150MT214C <i>M.1</i>	T6403KT2/0T <i>M.8</i>	T6447BD <i>M.5</i>
T6150MT214CE <i>M.1</i>	T6403KT2T <i>M.8</i>	T6460KT-LW <i>M.5</i>
T6150MT214S <i>M.1</i>	T6407KT7 <i>M.4</i>	T6490ER <i>N.8</i>
T6191MT38-5A <i>M.1</i>	T6408BD2 <i>M.5</i>	T6490ER3 <i>N.8</i>
T6191MT38-5AT <i>M.1</i>	T6410BD9 <i>M.5</i>	T6500KT <i>M.6</i>
T6300KT <i>M.2</i>	T6410KT5 <i>M.4</i>	T6502KT1A <i>M.3</i>
T6300KT1 <i>M.2</i>	T6410KT7 <i>M.5</i>	T6502KT2A <i>M.3</i>
T6300KT1A <i>M.2</i>	T6412BD4 <i>M.5</i>	T6502KT3A <i>M.3</i>
T6300KT24 <i>M.2</i>	T6412BD12 <i>M.4</i>	T6502KT4A <i>M.3</i>
T6300KTA <i>M.2</i>	T6412BD16 <i>M.5</i>	T6503KT1 <i>M.6</i>
T6300KT-G <i>M.2</i>	T6412BD17 <i>M.5</i>	T6503KT2 <i>M.6</i>
T6300KT-SPT <i>M.3</i>	T6412KT3 <i>M.5</i>	T6503KT3 <i>M.6</i>
T6303KT <i>M.2</i>	T6412KT3-90 <i>M.5</i>	T6503KT4 <i>M.6</i>
T6303KTA <i>M.2</i>	T6412MT <i>M.5</i>	T6503KT5 <i>M.6</i>
T6303KT-G <i>M.2</i>	T6412MT-NW <i>M.5</i>	T6503KT7 <i>M.6</i>
T6310KT2-G <i>M.2</i>	T6418BD6 <i>M.4</i>	T6503KT8 <i>M.6</i>
T6310KT2-SPT <i>M.3</i>	T6418BD7 <i>M.4</i>	T6901BD1 <i>M.7</i>
T6326KTA <i>M.8</i>	T6418KT2 <i>M.4</i>	T7004KT-L <i>Q.1</i>
T6339KT-G <i>M.2</i>	T6420BD2 <i>M.4</i>	T7004KT-M <i>Q.1</i>
T6340KT-G <i>M.2</i>	T6422BD5 <i>M.4</i>	T7004KT-S <i>Q.1</i>
T6340KT-GVZW <i>M.3</i>	T6422BD8 <i>M.4</i>	T7004KT-XL <i>Q.1</i>
T6346KT12 <i>M.2</i>	T6422BD9 <i>M.4</i>	T7007KT-L <i>Q.2</i>
T6346KT12A <i>M.2</i>	T6422BD20 <i>M.4</i>	T7007KT-M <i>Q.2</i>
T6346KT20 <i>M.2</i>	T6422BD21 <i>M.4</i>	T7007KT-S <i>Q.2</i>
T6346KT20A <i>M.2</i>	T6423BD1 <i>M.4</i>	T7007KT-XL <i>Q.2</i>
T6346KT24 <i>M.2</i>	T6423BD3 <i>M.4</i>	T7007KTXP-L <i>Q.2</i>
T6346KT24A <i>M.2</i>	T6423BD7 <i>M.4</i>	T7007KTXP-M <i>Q.2</i>
T6350ER1 <i>M.8</i>	T6423BD10 <i>M.4</i>	T7007KTXP-S <i>Q.2</i>
T6350ER12 <i>M.8</i>	T6428KT1-IW <i>M.5</i>	T7007KTXP-XL <i>Q.2</i>
T6350ER12C <i>M.8</i>	T6428KT1-NW <i>M.5</i>	T7009KT-L <i>Q.1</i>
T6350ER34 <i>M.8</i>	T6428KT2-IW <i>M.5</i>	T7009KT-M <i>Q.1</i>
T6350ER34C <i>M.8</i>	T6435BD11 <i>M.4</i>	T7009KT-S <i>Q.1</i>
T6350ER58 <i>M.8</i>	T6437BD2 <i>M.5</i>	T7009KT-XL <i>Q.1</i>
T6350ER58-4 <i>M.8</i>	T6437BD5 <i>M.5</i>	T7010KT-L <i>Q.1</i>
T6350ER58C <i>M.8</i>	T6437BD7 <i>M.5</i>	T7010KT-M <i>Q.1</i>
T6354ER1 <i>M.8</i>	T6438BD2 <i>M.7</i>	T7010KT-S <i>Q.1</i>
T6354ER2 <i>M.8</i>	T6438BD5 <i>M.7</i>	T7010KT-XL <i>Q.1</i>
T6354KT4 <i>M.8</i>	T6438BD6 <i>M.7</i>	T7102KT02 <i>Q.4</i>
T6400KT6 <i>M.5</i>	T6438BD7 <i>M.7</i>	T7102KT03 <i>Q.4</i>
T6401KT <i>M.4</i>	T6438BD9 <i>M.7</i>	T7102KT03P <i>Q.4</i>
T6401KT8 <i>M.4</i>	T6438BD9W <i>M.4</i>	T7102KT04 <i>Q.4</i>
T6401KT10 <i>M.4</i>	T6446KT1 <i>M.7</i>	T7102KT05 <i>Q.4</i>
T6402KT <i>M.4</i>	T6446KT2 <i>M.7</i>	T7102KT06 <i>Q.4</i>
T6402KT-NW <i>M.4</i>	T6446KT3 <i>M.7</i>	T7102KT10 <i>Q.4</i>
T6403KT2 <i>M.8</i>	T6446KT4 <i>M.7</i>	T7102KT116 <i>Q.4</i>
T6403KT2/0 <i>M.8</i>	T6446KT-S <i>M.7</i>	T7110KT <i>Q.3</i>

T7200KT1	<i>Q.7</i>	T8171ER12	<i>N.2</i>	T8214ER6	<i>N.6</i>
T7201KT	<i>Q.3</i>	T8172ER	<i>N.1</i>	T8215ER	<i>N.7</i>
T7201KT1	<i>Q.3</i>	T8172ER1	<i>N.1</i>	T8215ER1	<i>N.7</i>
T7201KT4	<i>Q.3</i>	T8172ER3	<i>N.1</i>	T8216ER	<i>N.7</i>
T7201KT11	<i>Q.3</i>	T8172ER4	<i>N.1</i>	T8217ER	<i>N.7</i>
T7201KT15	<i>Q.3</i>	T8172ER5	<i>N.1</i>	T8217ER1	<i>N.8</i>
T7202KT4	<i>Q.7</i>	T8173ER	<i>N.1</i>	T8217ER2	<i>N.7</i>
T7202KT6	<i>Q.3</i>	T8173ER1	<i>N.1</i>	T8217ER3	<i>N.7</i>
T7202KT7	<i>Q.3</i>	T8173ER2	<i>N.1</i>	T8217ER4	<i>N.7</i>
T7203KT1	<i>Q.5</i>	T8173ER3	<i>N.1</i>	T8219ER	<i>N.5</i>
T7203KT2	<i>Q.5</i>	T8173ER4	<i>N.1</i>	T8219ER1	<i>N.5</i>
T7203KT3	<i>Q.5</i>	T8173ER5	<i>N.1</i>	T8311ER	<i>N.8</i>
T7203KT4	<i>Q.5</i>	T8174ER	<i>N.2</i>	T8311ER2	<i>N.8</i>
T7204KT	<i>Q.6</i>	T8174ER1	<i>N.2</i>	T8311ER3	<i>N.8</i>
T7204KT4	<i>Q.5</i>	T8210ER	<i>N.5</i>	T8311ER4	<i>N.8</i>
T7204KT5	<i>Q.5</i>	T8210ER1	<i>N.5</i>	T8420ER1	<i>N.3</i>
T7205KT	<i>Q.7</i>	T8210ER2	<i>N.5</i>	T8420ER2	<i>N.3</i>
T7207KT	<i>Q.7</i>	T8211ER	<i>N.4</i>	T8420ER3	<i>N.3</i>
T7210KT	<i>Q.7</i>	T8211ER1	<i>N.4</i>	T8420ER4	<i>N.3</i>
T7210KT1	<i>Q.7</i>	T8211ER2	<i>N.4</i>	T8420ER5	<i>N.3</i>
T7500KT	<i>Q.6</i>	T8211ER3	<i>N.5</i>	T8420ER6	<i>N.3</i>
T7502K3	<i>Q.6</i>	T8211ER4	<i>N.4</i>	T8420ER7	<i>N.3</i>
T7502KT	<i>Q.6</i>	T8211ER5	<i>N.5</i>	T8420ER8	<i>N.3</i>
T7502KT3	<i>Q.6</i>	T8211ER6	<i>N.4</i>	T8420ER10	<i>N.3</i>
T7502KT6	<i>Q.6</i>	T8211ER7	<i>N.4</i>	T8420ER11	<i>N.3</i>
T7510KT	<i>Q.5</i>	T8211ER8	<i>N.4</i>	T8420ER12	<i>N.3</i>
T7515KT12	<i>Q.6</i>	T8211ER9	<i>N.4</i>	T8420ER13	<i>N.3</i>
T7515KT34	<i>Q.6</i>	T8211ER10	<i>N.4</i>	T8420ER14	<i>N.3</i>
T7515KT58	<i>Q.6</i>	T8211ER11	<i>N.4</i>	T8420ER15	<i>N.3</i>
T7517KT	<i>Q.6</i>	T8211ER12	<i>N.4</i>	T8421ER	<i>N.2</i>
T7518KT	<i>Q.6</i>	T8212ER1	<i>N.6</i>	T8421ER1	<i>N.2</i>
T7526KT	<i>Q.7</i>	T8212ER2	<i>N.6</i>	T8421ER2	<i>N.2</i>
T7526KT2	<i>Q.7</i>	T8212ER3	<i>N.6</i>	T8421ER3	<i>N.2</i>
T7526KT3	<i>Q.5</i>	T8212ER8	<i>N.5</i>	T8421ER4	<i>N.2</i>
T8170ER	<i>N.1</i>	T8212ER9	<i>N.6</i>	T8421ER5	<i>N.2</i>
T8170ER1	<i>N.1</i>	T8213ER	<i>N.6</i>	T8421ER6	<i>N.2</i>
T8171ER1	<i>N.2</i>	T8213ER1	<i>N.7</i>	T8421ER7	<i>N.2</i>
T8171ER2	<i>N.2</i>	T8213ER2	<i>N.6</i>	T8421ER8	<i>N.2</i>
T8171ER3	<i>N.2</i>	T8213ER3	<i>N.6</i>	T8422ER	<i>N.3</i>
T8171ER4	<i>N.2</i>	T8213ER4	<i>N.6</i>	T8422ER1	<i>N.3</i>
T8171ER5	<i>N.2</i>	T8214ER	<i>N.6</i>	T8422ER3	<i>N.3</i>
T8171ER6	<i>N.2</i>	T8214ER1	<i>N.6</i>	T8428ER	<i>N.3</i>
T8171ER7	<i>N.2</i>	T8214ER2	<i>N.6</i>	T8428ER1	<i>N.3</i>
T8171ER8	<i>N.2</i>	T8214ER3	<i>N.6</i>	T8428ER2	<i>N.3</i>
T8171ER10	<i>N.2</i>	T8214ER4	<i>N.6</i>	T8429ER	<i>N.4</i>
T8171ER11	<i>N.2</i>	T8214ER5	<i>N.6</i>	T8429ER1	<i>N.4</i>

T8429ER2	<i>N.4</i>	T8950ER4/0	<i>M.6</i>	T9158KTBFK	<i>K.6</i>
T8430ER	<i>N.4</i>	T8971KT	<i>M.6</i>	T9158KTRSK	<i>K.6</i>
T8430ER1	<i>N.4</i>	T9012MT14	<i>K.9</i>	T9158KTSSK	<i>K.6</i>
T8500ER	<i>N.8</i>	T9012MT38	<i>K.9</i>	T9200KT28-114	<i>K.6</i>
T8500ER1	<i>N.8</i>	T9012MT516	<i>K.9</i>	T9200KT33-114	<i>K.6</i>
T8500ER2	<i>N.8</i>	T9078KTBFK	<i>K.6</i>	T9200KT38-114	<i>K.6</i>
T8500ER3	<i>N.8</i>	T9078KTRSK	<i>K.6</i>	T9200KT78U	<i>K.6</i>
T8600ER	<i>N.9</i>	T9078KTSSK	<i>K.6</i>	T9200KT158U	<i>K.6</i>
T8600ER1	<i>N.9</i>	T9104MT	<i>K.7</i>	T9200KT214U	<i>K.6</i>
T8700ER	<i>N.9</i>	T9105MT	<i>K.7</i>	T9200KT28114BK	<i>K.6</i>
T8700ER1	<i>N.9</i>	T9106MT	<i>K.7</i>	T9200KT33114BK	<i>K.6</i>
T8700ER2	<i>N.9</i>	T9107MT	<i>K.7</i>	T9200KT38114BK	<i>K.6</i>
T8700ER3	<i>N.9</i>	T9110MT1-2	<i>K.7</i>	T9200MT4-1	<i>K.10</i>
T8700ER4	<i>N.9</i>	T9110MT2-3	<i>K.7</i>	T9200MT5-1	<i>K.10</i>
T8700ER5	<i>N.9</i>	T9110MT3-5	<i>K.7</i>	T9202MT4-1	<i>K.10</i>
T8700ER6	<i>N.9</i>	T9110MT4-5	<i>K.7</i>	T9202MT4-2	<i>K.10</i>
T8700ER7	<i>N.9</i>	T9110MT5-6	<i>K.7</i>	T9202MT4-3	<i>K.10</i>
T8700ER8	<i>N.9</i>	T9110MT6-8	<i>K.7</i>	T9202MT4-4	<i>K.10</i>
T8800ER32	<i>N.9</i>	T9110MT8-10	<i>K.7</i>	T9202MT5-1	<i>K.10</i>
T8800ER45	<i>N.9</i>	T9110MT10-14	<i>K.7</i>	T9202MT5-2	<i>K.10</i>
T8800ER65	<i>N.9</i>	T9110MT14-16	<i>K.7</i>	T9202MT5-3	<i>K.10</i>
T8800ER90	<i>N.9</i>	T9120MT	<i>K.4</i>	T9202MT5-4	<i>K.10</i>
T8800ER115	<i>N.9</i>	T9120MT1-2	<i>K.4</i>	T9206MT4-1	<i>K.10</i>
T8800ER150	<i>N.9</i>	T9120MT2-3	<i>K.4</i>	T9206MT5-1	<i>K.10</i>
T8800ER200	<i>N.9</i>	T9120MT3-4	<i>K.4</i>	T9207MT1	<i>K.11</i>
T8800ER500	<i>N.9</i>	T9120MT4-5	<i>K.4</i>	T9207MT2	<i>K.11</i>
T8900ER75	<i>N.10</i>	T9120MT5-6	<i>K.4</i>	T9207MT3	<i>K.11</i>
T8900ER90	<i>N.10</i>	T9120MT6-8	<i>K.4</i>	T9207MT4	<i>K.11</i>
T8910ER134	<i>N.7</i>	T9120MT8-10	<i>K.4</i>	T9207MT4-1	<i>K.10</i>
T8910ER159	<i>N.9, N.11</i>	T9121MT	<i>K.4</i>	T9207MT4-2	<i>K.10</i>
T8910ER160	<i>N.1, N.2,</i>	T9121MT1-2	<i>K.4</i>	T9207MT4-3	<i>K.10</i>
	<i>N.3, N.5, N.7,</i>	T9121MT2-3	<i>K.4</i>	T9207MT4-4	<i>K.10</i>
	<i>N.8, N.9, N.11</i>	T9121MT3-4	<i>K.4</i>	T9207MT4-9	<i>K.10</i>
T8910ER160V	<i>N.2, N.5,</i>	T9121MT4-5	<i>K.4</i>	T9207MT5-1	<i>K.10</i>
	<i>N.6, N.7, N.8,</i>	T9121MT5-6	<i>K.4</i>	T9207MT5-2	<i>K.10</i>
	<i>N.11</i>	T9121MT6-8	<i>K.4</i>	T9207MT5-3	<i>K.10</i>
T8910ER160VT	<i>N.7,</i>	T9121MT8-10	<i>K.4</i>	T9207MT5-4	<i>K.10</i>
	<i>N.11</i>	T9122MT	<i>K.4</i>	T9207MT5-9	<i>K.10</i>
T8910ER396	<i>N.7, N.11</i>	T9122MT1-2	<i>K.4</i>	T9207MT9	<i>K.11</i>
T8930ER1	<i>N.10</i>	T9122MT2-3	<i>K.4</i>	T9210MT4-1	<i>K.10</i>
T8930ER2	<i>N.10</i>	T9122MT3-4	<i>K.4</i>	T9210MT5-1	<i>K.10</i>
T8930ER3	<i>N.10</i>	T9122MT4-5	<i>K.4</i>	T9212MT4-1	<i>K.10</i>
T8930ER4	<i>N.10</i>	T9122MT5-6	<i>K.4</i>	T9212MT4-3	<i>K.10</i>
T8940ER2	<i>M.8</i>	T9122MT6-8	<i>K.4</i>	T9212MT4-9	<i>K.10</i>
T8942KT	<i>M.8</i>	T9122MT8-10	<i>K.4</i>	T9212MT5-1	<i>K.10</i>
T8950ER2/0	<i>M.6</i>	T9122MT38	<i>D.18, K.8</i>	T9212MT5-3	<i>K.10</i>

T9212MT5-9	<i>K.10</i>	T9270KT38	<i>K.5</i>	T9362MT214	<i>K.1</i>
T9214KTBFK	<i>K.6</i>	T9270KT38-12	<i>K.5</i>	T9400MT12	<i>K.11</i>
T9214KTRSK	<i>K.6</i>	T9270KT38-58	<i>K.5</i>	T9400MT38	<i>K.11</i>
T9214MT	<i>K.10</i>	T9270KT58	<i>K.5</i>	T9400MT58	<i>K.11</i>
T9216MT	<i>K.10</i>	T9270KTE15	<i>K.5</i>	T9400MT78	<i>K.11</i>
T9218MT4-1	<i>K.10</i>	T9270KTE19	<i>K.5</i>	T9400MT114	<i>K.11</i>
T9218MT4-2	<i>K.10</i>	T9270KTE63	<i>K.5</i>	T9400MT158	<i>K.11</i>
T9218MT4-3	<i>K.10</i>	T9270KTE77	<i>K.5</i>	T9410KT	<i>C.3</i>
T9218MT4-4	<i>K.10</i>	T9270KTE90	<i>K.5</i>	T9413KT	<i>C.3</i>
T9218MT5-1	<i>K.10</i>	T9270KTE105	<i>K.5</i>	T9425KT	<i>C.3</i>
T9218MT5-2	<i>K.10</i>	T9270KTE132	<i>K.5</i>	T9430MT	<i>C.3</i>
T9218MT5-3	<i>K.10</i>	T9270KTE220	<i>K.5</i>	T9430MT1A	<i>C.3</i>
T9218MT5-4	<i>K.10</i>	T9270KTE240	<i>K.5</i>	T9430MT2A	<i>C.3</i>
T9222MT4-1	<i>K.10</i>	T9270KTE380	<i>K.5</i>	T9431MT	<i>C.3</i>
T9222MT4-2	<i>K.10</i>	T9283MF4	<i>K.10</i>	T9431MT1A	<i>C.3</i>
T9222MT4-3	<i>K.10</i>	T9283MF5	<i>K.10</i>	T9431MT2A	<i>C.3</i>
T9222MT4-4	<i>K.10</i>	T9300KT52	<i>K.2</i>	T9433MT	<i>C.2</i>
T9222MT5-1	<i>K.10</i>	T9300KT64	<i>K.2</i>	T9433MT2A	<i>C.2</i>
T9222MT5-2	<i>K.10</i>	T9300KT77	<i>K.2</i>	T9433MT3A	<i>C.2</i>
T9222MT5-3	<i>K.10</i>	T9300KT90	<i>K.2</i>	T9450MT12	<i>F.6, I.3</i>
T9222MT5-4	<i>K.10</i>	T9300KT127	<i>K.2</i>	T9451MT12	<i>F.6, I.3</i>
T9240MT	<i>K.11</i>	T9300MT12	<i>K.2</i>	T9452MT12	<i>F.6, I.3</i>
T9242MT1	<i>K.11</i>	T9300MT14	<i>K.2</i>	T9453MT	<i>F.6</i>
T9242MT2	<i>K.11</i>	T9300MT38S	<i>K.2</i>	T9460MT	<i>K.3</i>
T9242MT3	<i>K.11</i>	T9300MT58	<i>K.2</i>	T9460MTG	<i>D.18, K.8</i>
T9242MT4	<i>K.11</i>	T9300MT78	<i>K.2</i>	T9460MTL	<i>K.3</i>
T9246MT1	<i>K.11</i>	T9300MT114	<i>K.2</i>	T9461MT	<i>K.3</i>
T9249MT1	<i>K.11</i>	T9300MT158	<i>K.2</i>	T9461MTL	<i>K.3</i>
T9251MT1	<i>K.11</i>	T9300MT214	<i>K.2</i>	T9462MT	<i>K.3</i>
T9251MT3	<i>K.11</i>	T9303AN12	<i>K.1</i>	T9462MTL	<i>K.3</i>
T9251MT9	<i>K.11</i>	T9303AN78	<i>K.1</i>	T9464MT	<i>K.3</i>
T9255MT1	<i>K.11</i>	T9303AN114	<i>K.1</i>	T9467MT	<i>K.3</i>
T9255MT2	<i>K.11</i>	T9303AN158	<i>K.1</i>	T9467MTL	<i>K.3</i>
T9255MT3	<i>K.11</i>	T9307KT38	<i>K.6</i>	T9471MTL	<i>K.3</i>
T9255MT4	<i>K.11</i>	T9307TT38	<i>K.6</i>	T9472MTL	<i>K.3</i>
T9259MT1	<i>K.11</i>	T9320MT12	<i>K.2</i>	T9521MT	<i>L.1</i>
T9259MT2	<i>K.11</i>	T9320MT78	<i>K.2</i>	T9522MT20	<i>L.1</i>
T9259MT3	<i>K.11</i>	T9320MT114	<i>K.2</i>	T9523MT	<i>L.1</i>
T9259MT4	<i>K.11</i>	T9320MT158	<i>K.2</i>	T9525KT	<i>L.1</i>
T9264MT	<i>K.11</i>	T9362MT12	<i>K.1</i>	T9600MT1X1	<i>K.12</i>
T9270KT12	<i>K.5</i>	T9362MT14	<i>K.1</i>	T9600MT1X2	<i>K.12</i>
T9270KT14	<i>K.5</i>	T9362MT38	<i>K.1</i>	T9600MT1X3	<i>K.12</i>
T9270KT14-12	<i>K.5</i>	T9362MT58	<i>K.1</i>	T9600MT1X4	<i>K.12</i>
T9270KT14-38	<i>K.5</i>	T9362MT78	<i>K.1</i>	T9600MT1X6	<i>K.12</i>
T9270KT14-38-12-58	<i>K.5</i>	T9362MT114	<i>K.1</i>	T9600MT2X2	<i>K.12</i>
T9270KT14-58	<i>K.5</i>	T9362MT158	<i>K.1</i>	T9600MT2X3	<i>K.12</i>

T9600MT2X4 K.12	T9919KT3GA K.3	Z2026KT3-M B.13
T9600MT2X5 K.12	T9922KTA C.2	Z2026KTL2SST B.13
T9600MT2X6 K.12	T9945MT K.7	Z2026KTLSSST B.13
T9600MT3X3 K.12	T9950KT H.3, H.4	Z2026KTR B.14
T9600MT3X4 K.12	T9970KT F.7	Z2026KTRL B.14
T9600MT3X6 K.12	T9970KT4 F.7	Z2026KTSST B.12
T9600MT4X4 K.12	T9970KT6 F.7	Z3472KT14 G.1
T9600MT4X5 K.12	T9970KT8 F.7	Z3516KT22 G.2
T9600MT4X6 K.12	T9970KT10 F.7	
T9621MT4 K.12	T9970KT12 F.7	
T9621MT5 K.12	T9971KT F.8	
T9700BD38 L.2	T9971KT4 F.8	
T9700KT14 K.9	T9971KT6 F.8	
T9700KT14L K.9	T9971KT8 F.8	
T9700MT12 K.9	T9971KT10 F.8	
T9700MT12L K.9	T9971KT12 F.8	
T9700MT38 K.9	T9973MT K.3	
T9700MT38L K.9		
T9700MT58 K.9	W	
T9700MT58L K.9	W9303MT12 L.2	
T9700MT78 K.9	W9303MT58 L.2	
T9700MT78L K.9	W9303MT78 L.2	
T9700MT114 K.9	W9303MT158 L.2	
T9700MT114L K.9	W9303MT214 L.2	
T9700MT158 K.9	W9303MTA58 L.2	
T9700MT158L K.9	W9303MTA78 L.2	
T9700MT214 K.9	W9310KT L.1	
T9700MT214L K.9	W9310KT1 L.1	
T9703KT1/2X4B L.2	W9337KT-78 L.2	
T9705KT12C L.2	W9337KT-114 L.2	
T9705KT15X4HD L.2	W9337KT-158 L.2	
T9705KT34BK L.2	W9337KT-AL L.2	
T9752KT K.8	W9337KT-AS L.2	
T9754KT K.8	W9902CS L.1	
T9757KT K.8	W9902CSHD L.1	
T9765KT K.8	W9903KT L.1	
T9803KT34 D.18, K.8		
T9806KT34 D.18, K.8	Z	
T9810KT D.18, K.8	Z0058KT G.5	
T9881KT D.18, K.8	Z0058KT1 G.5	
T9882KT D.18, K.8	Z0058KT2 G.5	
T9884KT D.18, K.8	Z2016KTA D.9	
T9900MT K.8	Z2026KT D.13	
T9919KT2A K.3	Z2026KT2SST B.12	
T9919KT2GA K.3		
T9919KT3A K.3		

ACCEPTANCE. Purchase Orders shall be considered final upon acceptance by KENWOOD TELECOM CORP. (hereinafter "Supplier") by issuance of a written order confirmation. The issuance by Purchaser of a Purchase Order to Supplier shall constitute acceptance by Purchaser of these Terms and Conditions which shall supersede all additional or conflicting terms and conditions on Purchaser's Purchase Order. The contract between Purchaser and Supplier shall consist of Supplier's written order confirmation and these Terms and Conditions.

PRICING. Price quotations and terms shall remain in effect for thirty (30) days from date of issuance. Supplier reserves the right to change published pricing at any time.

PAYMENT TERMS. Terms of payment shall be Net Thirty (30) calendar days from the date of invoice for all Product shipped by Supplier.

FINANCE AND COLLECTION CHARGE. Purchaser agrees to pay a finance charge, at a monthly rate of 2%, on past due invoices where allowed by applicable law. Purchaser agrees to pay Supplier all costs of collection including but not limited to reasonable attorneys' fees collection fees and court costs incurred by Supplier to collect properly due payments.

TAXES. Purchaser is responsible for all sales, use, and similar taxes, and agrees to reimburse Supplier for any such charges paid on Purchaser's behalf.

CREDIT LIMITS. Credit limits shall be determined and modified at the sole discretion of the Supplier. In the event that Purchaser is delinquent in payment, Supplier may suspend any shipment or delivery or refuse to perform any work until all past due amounts, including finance charges, have been paid in full.

SHIPPING TERMS. Shipping terms for shipments within the United States are F.O.B. Supplier's Point of Shipment. Shipping terms for international shipments are EXW Supplier's Point of Shipment (Incoterms 2000).

TITLE AND RISK OF LOSS. Title to and risk of loss and damage to the Products shall pass to Purchaser immediately upon delivery of the Products to a common carrier, or to an employee or other agent of Purchaser, at Supplier's facility.

INSPECTION. Purchaser or its designated representative shall inspect all Products within seven (7) calendar days after delivery of Products (hereinafter "Inspection Period") and Purchaser shall notify Supplier of any defects, shortages, overshipments, or nonconformance in any of the Products. Any Products not rejected by Purchaser within such period shall be deemed to have been accepted by Purchaser.

SHORTAGES / OVERSHIPMENTS. In the event that Supplier delivers less than the scheduled requirement and Supplier is notified of such shortage within the Inspection Period, Supplier shall correct such shortage with a commercially reasonable period of time after receipt of written notice from Purchaser or as otherwise agreed by the Parties. If Supplier delivers more than the quantity ordered, Purchaser may return any excess Product at Supplier's expense or retain such excess as mutually agreed by the parties.

SHIPPING DAMAGE. All claims for transportation damage shall be filed and processed by the Purchaser.

MODE OF SHIPMENT. In the event that Purchaser specifies in a Purchaser Order the shipping carrier, type of service, and payment method (collectively hereinafter "Mode of Shipment"), freight costs shall be charged in a manner consistent with The Purchaser Order. In the event that Purchaser has not specified a Mode of Shipment on a Purchase Order, at the sole discretion of Supplier, such charges may be prepaid by Supplier and added to Supplier's invoice to Purchaser.

PURCHASE ORDERS. Purchaser shall order Products from Supplier by issuing a Purchase Order (hereinafter "Purchase Order(s)"). All Purchase Orders must be issued in writing and signed by Purchaser's authorized representative. Any and all pre-printed terms and conditions on Purchaser's forms and documents are null and void and hereby expressly rejected, and are superceded by the terms and conditions of this Agreement.

CANCELLATION. All requests for cancellation or changes of Purchase Orders must be submitted in writing by Purchaser. In the event the Purchaser cancels or changes a Purchase Order, Purchaser agrees to pay a restocking fee of not less than 35% for standard Products and 100% for custom Products of the dollar value of the Purchase Order line item(s) cancelled.

RETURNS

- A.** Purchaser may submit a request for return of Products once Products have been delivered to a common carrier, or to an employee or other agent of Purchaser, at Supplier's facility. All requests by Purchaser to return Products must be submitted in writing to Supplier utilizing Supplier's Return Request Form. Supplier shall not consider return requests received later than ninety (90) calendar days after shipment of Products.
- B.** Supplier shall evaluate the Return Request Form in a timely manner. Supplier may, at its sole discretion, issue Purchaser written authorization to ship Product back to Supplier (hereinafter "Return Material Authorization"). The issuance of a Return Material Authorization is not acceptance of the returned Product, merely authorization to return the Product for inspection. In the event that Supplier deems that the request is not made in compliance with the terms of this Agreement, Supplier shall notify Purchaser in writing that the request for return has been denied.
- C.** Upon receipt of such Products, Supplier shall inspect the Products and, at its sole discretion, accept or deny the return of such Products. In the event that Supplier accepts the return of Products from Purchaser, Supplier shall issue a credit to Purchaser in the amount of the original invoice amount for the Products less a restocking charge (hereinafter "Restocking Fee"). Purchaser acknowledges that customary Restocking Fees are no less than 35% for standard Products and 100% for custom Products. In the event that Supplier denies the return of Products from Purchaser, Supplier shall ship Products back to Purchaser at Purchaser's sole expense. All shipping costs for the return of goods are the responsibility of the Purchaser. In the event that, upon inspection, Supplier determines that the Products are subject to the terms of Supplier's warranty or that the Products were shipped by Supplier to Purchaser due to an error by Supplier, Supplier shall waive any Restocking Fees and shall issue a credit to Purchaser for any shipping costs for the shipment of Products back to Supplier.

SPECIFICATIONS. All Products shall be manufactured to meet Supplier's current manufacturing and engineering standards. All products shall be packaged and labeled in accordance with Supplier's standard commercial practices. Supplier reserves the right to change or modify Product at any time.

WARRANTY. Supplier warrants that, at time of shipment, the Products furnished by Supplier are free from defects in material and workmanship. Supplier's obligation under this warranty is limited to repair and replacement of any defective Products within three (3) years from the date of shipment to the first Purchaser. Supplier shall have the sole discretion as to which of these remedies it shall provide. These warranties shall not apply to any Product which has been subjected to misuse, neglect, alteration, accidental damage, damage or defects introduced after shipment, defects during storage or installation, defects attributable to improper installation or use for purposes other than the Product was intended, and any other defects out of the reasonable control of Supplier. Seller makes no warranties, guarantees, covenants or representation other than those expressly set out in this Warranty. The warranties and remedies provided herein are Purchaser's sole and exclusive remedies and are provided expressly in lieu of all other warranties, whether express, implied, or arising by statute or otherwise in law or from a course of dealing or usage of trade, including but not limited to, warranties of merchantability or fitness for a particular purpose. Purchaser agrees that Supplier's liability under this Agreement, and any Purchase Order issued pursuant to this Agreement, shall never exceed the purchase price of the line item upon which liability is based. Under no circumstances shall Supplier be liable for consequential, incidental, special, direct or indirect damages including but not limited to labor costs, installation costs, inconvenience, cost of replacement goods, loss of revenue or profits, or other costs of any nature as a result of the use of Products manufactured by Supplier.

FORCE MAJEURE. Supplier shall not be liable for failure to perform any of its obligations under this Agreement to the extent such failure is caused by fire; flood; explosion; war; riot; embargo; labor disputes; compliance with any laws, regulations, orders, acts or requirements from the government, civil or military authorities; acts of God or the public enemy; or any act or event of any nature beyond Supplier's reasonable control. In no event shall Supplier be liable to Purchaser for any special, incidental or consequential damages as a result of delay in performance or failure to perform hereunder.



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