
LoadCase

Attr Name: Name

Description: LoadCase name
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Method

Alt Display Name: Code
Description: Calculation Method
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: NESC
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: NESC (National Electrical Safety Code)
GO 95 (GO 95)
ASCE (Americal Society of Civil Engineers)
CSA (Canadian Standards Association)
AS/NZS 7000 (AS/NZS 7000)
N/A (No special calculations)

Attr Name: Deflection

Alt Display Name: Analysis Method
Description: Solution method to use
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Linear
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Linear (Static No P-Delta iterations performed)
1 Iteration P-? (Static Single iteration P-Delta)
2nd Order P-? (Static Fully Converged P-Delta)

Attr Name: Fixity

Alt Display Name: Groundline Fixity
Description: Groundline fixity mode
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Fixed
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Fixed (Pole is fixed at groundline for guy analysis)
Pinned (Pole is gimbaled at groundline for guy analysis)

Attr Name: Solver

Description: Solver to use
User Level Required: Administrative access only
Attr Type: ENUMERATED
Default: Advanced
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes
Enum Values: Legacy (Legacy)

Advanced (Advanced)
F3DD (F3DD)
BFEA (BFEA)

Attr Name: District

Attr Group: Ice
Description: District
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: <unset>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: One (One)
Two (Two)
Three (Three)
N/A (N/A)

Attr Name: Radial Ice

Attr Group: Ice
Alt Display Name: Radial Ice (in)
Description: Radial Thickness of Ice
Displayed Units: store as INCHES display as
INCHES or MILLIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.25
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Ice Density

Attr Group: Ice
Alt Display Name: Ice Density (lb/ft³)
Description: Ice Density in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.032986
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Wind Speed

Attr Group: Wind
Alt Display Name: Wind Speed (mph)
Description: NESC Basic Wind Speed at 33 Feet / ASCE Fastest Wind
Displayed Units: store as MILES PER HOUR display as
MILES PER HOUR or KILOMETERS PER HOUR
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 39.53
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Horiz Wind Pres

Attr Group: Wind
Alt Display Name: Wind Pressure (lb/ft²)

Description: Horizontal Wind Pressure in lbs per square foot
Displayed Units: store as PSF display as PSF or PASCAL
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Temperature

Attr Group: Temperature
Alt Display Name: Temperature (°f)
Description: Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMin

Attr Group: Temperature
Alt Display Name: Temp Min (°f)
Description: Minimum Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 32
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMax

Attr Group: Temperature
Alt Display Name: Temp Max (°f)
Description: Maximum Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 212
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindType

Attr Group: Wind
Alt Display Name: NESC Standard
Description: Wind calculation type
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: 2007
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: 1997 (1997)
2002 (2002)

2007 (2007)
2012 (2012)
N/A (N/A)

Attr Name: Construction Grade

Description: Construction Grade
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: B
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: A (A)
F (F)
B (B)
C (C)
1 (1)
2 (2)
3 (3)
N/A (N/A)

Attr Name: Crossing Conditions

Description: Describes the crossings conditions of the site
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Unknown
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Unknown (Unknown)
None (None)
At Crossing (At Crossing)

Attr Name: Installation or Replacement

Description: Use load factors at installation or load factors at replacement
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: At Installation
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: At Installation (At Installation)
At Replacement (At Replacement)

Attr Name: Override Wind

Attr Group: Wind
Description: Apply fixed wind angle
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: NomWindAngle

Attr Group: Wind
Alt Display Name: Override Wind Angle (°)
Description: Nominal wind angle
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT

Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Terrian Exposure

Alt Display Name: Terrain Exposure
Description: ASCE Terrian Exposure Code
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: N/A
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: B (B)
C (C)
D (D)
N/A (N/A)

Attr Name: Force Coef

Description: ASCE Force Coefficient
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: No
Incl When Subst: Yes

Attr Name: Strength Reduction Factor

Attr Group: AS/NZS 7000
Alt Display Name: F Strength Reduction Factor
Description: Strength Reduction Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Load Duration Factor

Attr Group: AS/NZS 7000
Alt Display Name: K1 Load Duration Factor
Description: Load Duration Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Immaturity Factor

Attr Group: AS/NZS 7000
Alt Display Name: K20 Immaturity Factor
Description: Immaturity Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: Shaving Factor

Attr Group: AS/NZS 7000
Alt Display Name: K21 Shaving Factor
Description: Shaving Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Processing Factor

Attr Group: AS/NZS 7000
Alt Display Name: K22 Processing Factor
Description: Processing Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Degradation Factor

Attr Group: AS/NZS 7000
Alt Display Name: Kd Degradation Factor
Description: Degradation Factor
User Level Required: All user levels may access this attribute
Format Expression: 0.0##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Shear Area

Attr Group: AS/NZS 7000
Description: Shear Area
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Tip
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Tip (Tip)
Actual (Actual)

Attr Name: 250 Rule

Attr Group: Pole LFs
Description: Rule applied from NESC 250 when calculating the loads
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Rule 250B
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Rule 250B (Rule 250B)
Rule 250B Alternate (Rule 250B Alternate)
Rule 250C (Rule 250C)
Rule 250D (Rule 250D)

N/A (N/A)

Attr Name: Vertical LF

Attr Group: Pole LFs
Alt Display Name: Vertical Pole LF
Description: NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TransWind LF

Attr Group: Pole LFs
Alt Display Name: Transverse Wind Pole LF
Description: NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 2.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TransTension LF

Attr Group: Pole LFs
Alt Display Name: Wire Tension (Guyed, Junction, Angle) Pole LF
Description: NESC Transverse Wire Tension Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GeneralLongitude LF

Attr Group: Pole LFs
Alt Display Name: Wire Tension (Unguyed Tangent) Pole LF
Description: NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DeadendLongitude LF

Attr Group: Pole LFs
Alt Display Name: Wire Tension (Deadend) Pole LF
Description: NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Vertical LF

Attr Group: Guy LFs
Alt Display Name: Vertical Guy LF
Description: NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy TransWind LF

Attr Group: Guy LFs
Alt Display Name: Transverse Wind Guy LF
Description: NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 2.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy TransTension LF

Attr Group: Guy LFs
Alt Display Name: Wire Tension (Guyed, Junction, Angle) Guy LF
Description: NESC Transverse Wire Tension Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy GeneralLongitude LF

Attr Group: Guy LFs
Alt Display Name: Wire Tension (Unguyed Tangent) Guy LF
Description: NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy DeadendLongitude LF

Attr Group: Guy LFs
Alt Display Name: Wire Tension (Deadend) Guy LF
Description: NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##

Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor Vertical LF

Attr Group: Anchor LFs
Alt Display Name: Vertical Anchor LF
Description: NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor TransWind LF

Attr Group: Anchor LFs
Alt Display Name: Transverse Wind Anchor LF
Description: NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 2.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor TransTension LF

Attr Group: Anchor LFs
Alt Display Name: Wire Tension (Guyed, Junction, Angle) Anchor LF
Description: NESC Transverse Wire Tension Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor GeneralLongitude LF

Attr Group: Anchor LFs
Alt Display Name: Wire Tension (Unguyed Tangent) Anchor LF
Description: NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor DeadendLongitude LF

Attr Group: Anchor LFs
Alt Display Name: Wire Tension (Deadend) Anchor LF
Description: NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade

User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Strength Factor

Attr Group: Strength
Description: Pole Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.85
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Crossarm Strength Factor

Attr Group: Strength
Description: Crosarm Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Strength Factor

Attr Group: Strength
Description: Guy Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.9
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor Strength Factor

Attr Group: Strength
Description: Anchor Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleCapacityThreshold

Attr Group: Threshold
Alt Display Name: Capacity Threshold %
Description: PoleCapacityThreshold
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Inadequate Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch Inadequate %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy At Cap Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch At Cap %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Near Cap Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch Near Cap %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Span Cap Thresh

Attr Group: Threshold
Alt Display Name: Span Load Thresh %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Apply FSR

Description: Apply ANSI O5.1.2008 Fiber Strength Reduction calculations for wood
poles >= 60 feet in length
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingConstUnguyed

Attr Group: Buckling
Alt Display Name: Unguyed Constant
Description: Buckling constant unguyed
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingConstGuyed

Attr Group: Buckling
Alt Display Name: Guyed Constant
Description: Buckling constant unguyed
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.707106781186548
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SectionHeightMethod

Attr Group: Buckling
Alt Display Name: Section Method
Description: Buckling method
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Standard
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: Standard (Standard)
Percent BCH (Percent BCH)

Attr Name: BucklingSectionPercentBCH

Attr Group: Buckling
Alt Display Name: Percent BCH
Description: Percent of Buckling Column Height to use as Buckling Section
Displayed Units: store as PERCENT 0 TO 1 display as PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.33333333
ReadOnly: No
Visible: No
Incl When Subst: Yes

Attr Name: ReportingAngleMode

Attr Group: Reporting
Alt Display Name: Report Angle Mode
Description: Buckling constant unguyeg
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Load
ReadOnly: No

Visible: Yes
Incl When Subst: Yes
Enum Values: Tip Deflection (Tip Deflection)
Wind (Wind)
Load (Load)
Relative (Relative)
Fixed (Fixed)

Attr Name: ReportingAngle

Attr Group: Reporting
Alt Display Name: Reporting Angle (°)
Description: Reporting angle
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1.5707963267949
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SpanCapSignal

Attr Group: Reporting
Alt Display Name: Signal Span Over Cap
Description:
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ArmCapSignal

Attr Group: Reporting
Alt Display Name: Signal Crossarm Over Cap
Description:
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GuyCapSignal

Attr Group: Reporting
Alt Display Name: Signal Guy Over Cap
Description:
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Notes

Attr Name: Description

Description: Description of the note
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Note

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Author

Description: Author of the note
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Date

Description: Creation date of the note
User Level Required: All user levels may access this attribute
Attr Type: DATE
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Contents

Description: RTF Contents
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Grid

Description: SpreadSheet Contents
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: No
Incl When Subst: Yes

Attr Name: SplitPercent

Description: Split bar position
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 0.6
ReadOnly: No
Visible: No
Incl When Subst: Yes

Attr Name: Description

Description: Brief description of the damage
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Location (ft)
Description: Distance from the butt of the pole to center of damage or decay
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 120.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

PoleSegment

Attr Name: Description

Description: Description of the segment
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Material
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the segment
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <tbid>
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Height (in)
Description: Height
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Alt Display Name: Length (in)
Description: Length
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 60
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RadiusAtTipInInches

Alt Display Name: Radius at Tip (in)
Description: Radius at tip
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 8
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MaterialTip

Alt Display Name: Material at Tip
Description: Material Tip
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <unset>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RadiusAtBaseInInches

Alt Display Name: Radius at Base (in)
Description: Radius at base
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 8
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MaterialBase

Alt Display Name: Material at Base
Description: Material Base
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <unset>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Shape

Description: Cross section shape
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Round
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Round (Round)
Polygonal (Polygonal)

Attr Name: Faces

Alt Display Name: Polygon Faces
Description: Number of polygon faces
User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default: 8
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Color

Alt Display Name: Display Color
Description: The color of the segment
User Level Required: Limited users can NOT access this attribute
Attr Type: COLOR
Default: #FFD2B48C
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Function

Description: Capacity Function
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Linear
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Linear (Linear)
Logarithmic (Logarithmic)
Squared (Squared)
Cubed (Cubed)
Fourth Power (Fourth Power)

WoodPole

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached equipment)
Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the others)
Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Alt Display Name: Pole Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species

Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: SOUTHERN PINE
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species Code

Alt Display Name: Code
Description: Code Standard
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: NESC Standard
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: RadiusAtTipInInches

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GLCircumMethod

Attr Group: Circumference
Alt Display Name: GL Circum Method
Description: Groundline method.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: By Specs
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: By Specs (By Specs)
Measured (Measured)

Attr Name: Circum6ft

Attr Group: Circumference
Alt Display Name: 6ft Circum (in)
Description: The pole circumference at the 6 foot point
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 33.5
ReadOnly: Yes
Visible: No
Incl When Subst: Yes

Attr Name: MeasuredRadiusGL

Attr Group: Circumference
Alt Display Name: GL Circum (in)
Description: Measured radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ApplyEffectiveRadiusGL

Attr Group: Circumference
Alt Display Name: Apply Eff. GL Reduction
Description: Apply Effective radius at the groundline
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: EffectiveRadiusGL

Attr Group: Circumference
Alt Display Name: Eff. GL Circ (in)
Description: Effective radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrengthRemainingGL

Attr Group: Circumference
Alt Display Name: GL Remaining Strength (%)
Description: % remaining strength at the groundline
Displayed Units: store as PERCENT 0 TO 1 display as PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Rupture

Attr Group: Phys. Consts
Alt Display Name: Modulus of Rupture (psi)
Description: Modulus of rupture for the given species
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 8000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticity for the given species
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Phys. Consts
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute

Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft³)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Shear Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Shear Str (psi)
Description: Characteristic Shear Strength
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 450
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Compression Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Compression Str (psi)
Description: Characteristic Compression Strength
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 3500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Effective Length

Attr Group: AS/NZS 7000
Alt Display Name: Effective Length (ft)
Description: Effective Length
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0#
Attr Type: FLOAT
Default: -1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name:Material Constant

Attr Group: AS/NZS 7000
Description: Material Constant
User Level Required: All user levels may access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 1.24
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleMfgLength

Attr Group: Phys. Consts
Alt Display Name: Pole Mfg Length (ft)
Description: Pole manufactured length in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Table No

Attr Group: Phys. Consts
Description: Table Designation
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: ANSI8
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset

ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: UseMomentCapacityTable

Attr Group: Phys. Consts
Alt Display Name: Override Moment Cap
Description: Use the moment capacity table
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityTable

Attr Group: Phys. Consts
Alt Display Name: Moment Cap (ft-lb)
Description: The moment capacity table
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: MOMENT_TABLE
Default: Moment;0,50000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

SteelPole

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached
equipment)
Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the
others)
Deadend (Pole with wires ending at the pole)

Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Alt Display Name: Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: CatalogName

Alt Display Name: Catalog Name
Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: User Defined
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Code

Alt Display Name: Code
Description: Pole Code
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: GO 95
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes
Enum Values: NESC C2-2007 (NESC C2-2007)
GO 95 (GO 95)
CSA C22.3 No. 1-10 (CSA C22.3 No. 1-10)

Attr Name: Shape

Description: Cross section shape
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Round
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Round (Round)
Polygonal (Polygonal)

Attr Name: Faces

Alt Display Name: Polygon Faces
Description: Number of polygon faces

User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Mount

Attr Group: Installation
Alt Display Name: Mount Type
Description: Mount type
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Pedestal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Embedded (Embedded)
Pedestal (Pedestal)

Attr Name: PedestalRadius

Attr Group: Installation
Alt Display Name: Pedestal Radius (in)
Description: Radius of pedestal mount
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 16.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as

DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: RadiusAtTipInInches

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RadiusAtBaseInInches

Attr Group: Circumference
Alt Display Name: Base Circum (in)
Description: Radius At Base
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 9
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticity for the given species
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Phys. Consts
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft³)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Shear Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Shear Str (psi)
Description: Characteristic Shear Strength
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 450
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Compression Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Compression Str (psi)
Description: Characteristic Compression Strength
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 3500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Effective Length

Attr Group: AS/NZS 7000
Alt Display Name: Effective Length (ft)
Description: Effective Length
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0#
Attr Type: FLOAT
Default: -1

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Material Constant

Attr Group: AS/NZS 7000
Description: Material Constant
User Level Required: All user levels may access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 1.24
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4

Attr Group: User Data
Description:

User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: ThicknessTable

Alt Display Name: Thickness
Description: The material thickness
User Level Required: All user levels may access this attribute
Attr Type: THICKNESS_TABLE
Default: Thick;0,0.25;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalMomentCapacity

Attr Group: Installation
Alt Display Name: Ped Mom Cap (ft-lb)
Description: The pedestal moment capacity
Displayed Units: store as FTLBS display as

FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 90000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalBucklingCapacity

Attr Group: Installation
Alt Display Name: Ped Buck Cap (lbs)
Description: The pedestal buckling capacity
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 9000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DistToGrade

Attr Group: Installation
Alt Display Name: Dist To Grade (ft)
Description: Distance to grade of pedestal mount
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityTable

Attr Group: Capacity
Alt Display Name: Moment Cap (ft-lb)
Description: The moment capacity table
Displayed Units: store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: MOMENT_TABLE
Default: Moment;0,50000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingCapacityTable

Attr Group: Capacity
Alt Display Name: Buckling Cap (lbs)
Description: The buckling capacity table
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: BUCKLING_TABLE
Default: Buckling;0,5000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name:Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached equipment)
Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the others)
Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Alt Display Name: Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: CatalogName

Alt Display Name: Catalog Name
Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: User Defined

ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Code

Alt Display Name: Code
Description: Pole Code
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: GO 95
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes
Enum Values: NESC (NESC)
GO 95 (GO 95)

Attr Name: Shape

Description: Cross section shape
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Round
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Round (Round)
Polygonal (Polygonal)

Attr Name: Faces

Alt Display Name: Polygon Faces
Description: Number of polygon faces
User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Mount

Attr Group: Installation
Alt Display Name: Mount Type
Description: Mount type
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Pedestal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Embedded (Embedded)
Pedestal (Pedestal)

Attr Name: PedestalRadius

Attr Group: Installation
Alt Display Name: Pedestal Radius (in)
Description: Radius of pedestal mount
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 16.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: RadiusAtTipInInches

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

Attr Name: RadiusAtBaseInInches

Attr Group: Circumference
Alt Display Name: Base Circum (in)
Description: Radius At Base
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 9
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticity for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Phys. Consts
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft³)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Shear Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Shear Str (psi)
Description: Characteristic Shear Strength
Displayed Units: store as PSI display as
PSI or KILOPASCAL

User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 450
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Compression Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Compression Str (psi)
Description: Characteristic Compression Strength
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 3500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Effective Length

Attr Group: AS/NZS 7000
Alt Display Name: Effective Length (ft)
Description: Effective Length
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0#
Attr Type: FLOAT
Default: -1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Material Constant

Attr Group: AS/NZS 7000
Description: Material Constant
User Level Required: All user levels may access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 1.24
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data

Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: ThicknessTable

Alt Display Name: Thickness
Description: The material thickness
User Level Required: All user levels may access this attribute
Attr Type: THICKNESS_TABLE
Default: Thick;0,0.25;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalMomentCapacity

Attr Group: Installation
Alt Display Name: Ped Mom Cap (ft-lb)
Description: The pedestal moment capacity
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 90000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalBucklingCapacity

Attr Group: Installation
Alt Display Name: Ped Buck Cap (lbs)
Description: The pedestal buckling capacity
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 9000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DistToGrade

Attr Group: Installation
Alt Display Name: Dist To Grade (ft)
Description: Distance to grade of pedestal mount
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: MomentCapacityTable

Attr Group: Capacity
Alt Display Name: Moment Cap (ft-lb)
Description: The moment capacity table
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: MOMENT_TABLE
Default: Moment;0,50000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingCapacityTable

Attr Group: Capacity
Alt Display Name: Buckling Cap (lbs)
Description: The buckling capacity table
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: BUCKLING_TABLE
Default: Buckling;0,5000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

CompositePole

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached
equipment)
Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the
others)
Deadend (Pole with wires ending at the pole)

Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Alt Display Name: Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: CatalogName

Alt Display Name: Catalog Name
Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: User Defined
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Code

Alt Display Name: Code
Description: Pole Code
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: GO 95
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes
Enum Values: NESC (NESC)
GO 95 (GO 95)

Attr Name: Shape

Description: Cross section shape
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Polygonal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Round (Round)
Polygonal (Polygonal)

Attr Name: Faces

Alt Display Name: Polygon Faces
Description: Number of polygon faces
User Level Required: Limited users can NOT access this attribute

Attr Type: PLUSMINUS
Default: 4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Mount

Attr Group: Installation
Alt Display Name: Mount Type
Description: Mount type
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Pedestal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Embedded (Embedded)
Pedestal (Pedestal)

Attr Name: PedestalRadius

Attr Group: Installation
Alt Display Name: Pedestal Radius (in)
Description: Radius of pedestal mount
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 16.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as
DEGREES

User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: RadiusAtTipInInches

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RadiusAtBaseInInches

Attr Group: Circumference
Alt Display Name: Base Circum (in)
Description: Radius At Base
Displayed Units: store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 9
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticity for the given species
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Phys. Consts
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft³)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Shear Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Shear Str (psi)
Description: Characteristic Shear Strength
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 450
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Characteristic Compression Strength

Attr Group: AS/NZS 7000
Alt Display Name: Char Compression Str (psi)
Description: Characteristic Compression Strength
Displayed Units: store as PSI display as PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 3500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Effective Length

Attr Group: AS/NZS 7000
Alt Display Name: Effective Length (ft)
Description: Effective Length
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0#
Attr Type: FLOAT
Default: -1

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Material Constant

Attr Group: AS/NZS 7000
Description: Material Constant
User Level Required: All user levels may access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 1.24
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4

Attr Group: User Data
Description:

User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: ThicknessTable

Alt Display Name: Thickness
Description: The material thickness
User Level Required: All user levels may access this attribute
Attr Type: THICKNESS_TABLE
Default: Thick;0,0.25;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalMomentCapacity

Attr Group: Installation
Alt Display Name: Ped Mom Cap (ft-lb)
Description: The pedestal moment capacity
Displayed Units: store as FTLBS display as

FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 90000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PedestalBucklingCapacity

Attr Group: Installation
Alt Display Name: Ped Buck Cap (lbs)
Description: The pedestal buckling capacity
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 9000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DistToGrade

Attr Group: Installation
Alt Display Name: Dist To Grade (ft)
Description: Distance to grade of pedestal mount
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityTable

Attr Group: Capacity
Alt Display Name: Moment Cap (ft-lb)
Description: The moment capacity table
Displayed Units: store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: MOMENT_TABLE
Default: Moment;0,50000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingCapacityTable

Attr Group: Capacity
Alt Display Name: Buckling Cap (lbs)
Description: The buckling capacity table
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: BUCKLING_TABLE
Default: Buckling;0,5000;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached equipment)
Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the others)
Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians

Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Anchor

Attr Name: Description

Description: Description of the anchor
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Anchor
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Height from GL (ft)
Description: The vertical distance from the butt of the pole to the anchor point
Displayed Units: store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: Yes
Visible: No
Incl When Subst: No

Attr Name: CoordinateX

Alt Display Name: Lead Length (ft)
Description: The horizontal lead length from the pole to the anchor point
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 381
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Lead Angle (°)
Description: Lead Angle
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute

Format Expression: 0
Attr Type: TRACKERA
Default: 1.5707963267949
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DeltaHeight

Alt Display Name: Delta Height (ft)
Description: Delta Height
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OffsetAngle

Alt Display Name: Offset Angle (°)
Description: Offset Angle
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RodDiameterInInches

Alt Display Name: Rod Diameter (in)
Description: The diameter of the rod associated with this anchor
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RodLengthAboveGLInInches

Alt Display Name: Rod Length AGL (in)
Description: The length of the rod associated with this anchor above GL
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 30
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RodDescription

Alt Display Name: Rod Description
Description: Description of the rod used at the site of the anchor
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: Joslyn Copperbonded 1in x 10ft Twineye
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RodStrength

Alt Display Name: Rod Strength (lbs)
Description: The strength of the rod in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MaxGuys

Alt Display Name: Max Guys
Description: The maximum number of guys that can be attached to the rod
User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MergeAnchors

Alt Display Name: Merge Anchors
Description: Merge with anchors at same position,
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SoilClass

Alt Display Name: Soil Class
Description: The class of soil at the site of the anchor
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Class 4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Class 0 (Sound Hard Rock, Unweathered)
Class 1 (Very Dense and/or cemented sands, coarse Gravel and
cobbles)
Class 2 (Dense Fine Sand; Very hard silts and clays (may be
preloaded))
Class 3 (Dense Clayey sands and gravel; hard silts and clays)
Class 4 (Medium Dense Sandy gravel; very stiff to hard silts and clays)
Class 5 (Medium dense coarse sand and sandy gravels; stiff to very stiff
silts and clays)
Class 6 (Loose to medium dense fine to coarse sand; firm to stiff clays
and silts)
Class 7 (Loose fine sand, alluvium; loose soft-firm clays; varied clays;
fill)
Class 8 (Peat; organic silts; inundated silts, fly ash)

Attr Name: HoldingStrength

Alt Display Name: Holding Strength (lbs)
Description: The holding strength of anchor in pounds for the selected soil class
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0
Attr Type: FLOAT
Default: 20000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Crossarm

Attr Name: CoordinateX

Alt Display Name: Pole Offset (in)
Description: Distance from the center of the pole to the center of the crossarm
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Description

Description: Description of crossarm
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Crossarm
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: Distance from the butt of the parent pole to the center of the crossarm
Displayed Units: store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 462
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole

Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Install Type
Description: Crossarm type (centered or offset)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Normal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Normal (Normal)
Offset (Offset)
Pole Extension (Pole Extension)
Full Gull (Full Gull)
Half Gull (Half Gull)
Standoff (Standoff)

Attr Name: Count

Alt Display Name: Arm Count
Description: Crossarm count (1 or 2)
User Level Required: All user levels may access this attribute
Attr Type: PLUSMINUS
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Braced

Attr Group: Brace
Alt Display Name: Brace Config.
Description: Indicates if the crossarm is braced
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Double (Double)
Single (Single)
None (None)

Attr Name: BraceOffset

Attr Group: Brace
Alt Display Name: Brace Horiz Offset (in)
Description: Horizontal distance to brace point
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Attr Type: TRACKERX
Default: 24.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name:BraceDrop

Attr Group: Brace
Alt Display Name: Brace Vert Offset (in)
Description: Vertical distance to brace point
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Attr Type: TRACKERZ
Default: 24.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Attr Group: Dimensions
Alt Display Name: Arm Length (ft)
Description: The length from the crossarm from tip to tip
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 96
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Attr Group: Dimensions
Alt Display Name: Arm Height (in)
Description: The distance from the top of the crossarm to the bottom
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 4.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Attr Group: Dimensions
Alt Display Name: Arm Depth (in)
Description: The distance (depth) from the face of the crossarm to the surface of the
pole in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Tilt

Attr Group: Physical
Alt Display Name: Arm Tilt
Description: The crossarm tilt in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0

Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset

Attr Group: Physical
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HorizontalOffset

Attr Group: Physical
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LateralOffset

Attr Group: Physical
Alt Display Name: Lateral Offset (in)
Description: Lateral Offset
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Attr Group: Physical
Alt Display Name: Arm Weight (lbs)
Description: Crossarm weight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Rupture

Attr Group: Physical
Alt Display Name: Modulus of Rupture (psi)
Description: Modulus of rupture
Displayed Units: store as PSI display as

PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 8000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Physical
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticity for the crossarm
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Physical
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Analysis Mode

Attr Group: Analysis
Alt Display Name: Capacity Method
Description: Analysis Mode
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Automatic
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Automatic (Automatic)
Manual (Manual)

Attr Name: AllowableMomentVertical

Attr Group: Analysis
Alt Display Name: Max Moment Vert (ft-lb)
Description: AllowableMomentVertical
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: AllowableMomentLongitudinal

Attr Group: Analysis
Alt Display Name: Max Moment Long (ft-lb)
Description: AllowableMomentLongitudinal
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: AllowableLoadTransverse

Attr Group: Analysis
Alt Display Name: Max Load Shear (lbs)
Description: AllowableLoadTransverse
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: AllowableLoadLongitudinal

Attr Group: Analysis
Alt Display Name: Max Load Tension (lbs)
Description: AllowableLoadLongitudinal
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideStrength

Attr Group: Analysis
Alt Display Name: Override Strength Factor
Description: Override Nominal Strength Factor
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrengthFactor

Attr Group: Analysis
Alt Display Name: Strength Factor
Description: Crosarm Strength Factor value
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Analysis Method

Attr Group: Analysis
Description: Analysis Method
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Superposition
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Superposition (Superposition)
Interaction (Interaction)
Worst Axis (Worst Axis)

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Multi Pole offset in feet
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Material

Attr Group: Material
Description: Material
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Wood
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Wood (Wood)
Steel (Steel)
Composite (Composite)
Other (Other)

Attr Name: Species

Attr Group: Material
Description: Wood species of the crossarm
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Southern Pine
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ArmMaterial

Attr Group: Material
Alt Display Name: Arm Material Props
Description: Arm Material
User Level Required: All user levels may access this attribute
Attr Type: CHILD_MATERIAL_NAME
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BraceMaterial

Attr Group: Material
Alt Display Name: Brace Material Props
Description: Brace Material
User Level Required: All user levels may access this attribute
Attr Type: CHILD_MATERIAL_NAME
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Insulator

Attr Name: Description

Description: Description of the insulator.
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Insulator
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Description: The span connector type. This may be a style of insulator, j-hook, or other hardware used to attach spans to the pole.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Pin
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Pin (Pin)
Post (Post)
Davit (Davit)
Spool (Spool)
Underhung (Underhung)
Suspension (Suspension)
Deadend (Deadend)
J-Hook (J-Hook)
Bolt (Bolt)

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: The Z coordinate relative to the parent. This value is frequently set by SnapToParent
Displayed Units: store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 300.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation of the insulator / span holder relative to its parent. If the orientation is non-zero the stalk with lean along this axis
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Side

Description: The span connector pole side (for insulators on a pole only).
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Inline
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Street (Street)
Field (Field)
Inline (Inline)
Front (Front)
Back (Back)
Both (Both)
Split (Split)

Attr Name: CoordinateX

Alt Display Name: Horizontal Offset (in)
Description: Distance from the center of the parent. In the case of a crossarm this is the position along the arm. In the case of poles this is typically set by SnapToParent
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Attr Group: Properties
Alt Display Name: Unit Length (in)
Description: The total length of the insulator structure
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 8.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DavitAngle

Alt Display Name: Davit Angle (°)
Description: Davit angle in radians.
Displayed Units: store as RADIANS display as DEGREES SIGNED
User Level Required: All user levels may access this attribute

Format Expression: 0.0
Attr Type: TRACKERA
Default: 1.18682389135614
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pitch

Attr Group: Properties
Alt Display Name: Tilt (°)
Description: Pitch in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Crab

Attr Group: Properties
Alt Display Name: Crab Angle (°)
Description: Crab angle in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WidthInInches

Attr Group: Properties
Alt Display Name: Unit Width (in)
Description: The effective width for wind area of the insulator structure
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Attr Group: Properties
Alt Display Name: Unit Weight (lbs)
Description: Weight of the insulator / span holder in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.99
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Sheds

Attr Group: Properties
Alt Display Name: Shed Count
Description: Number of sheds
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: <Default> (<Default>)
1 (1)
2 (2)
3 (3)
4 (4)
5 (5)
6 (6)
7 (7)
8 (8)

Attr Name: WindDragCoef

Attr Group: Properties
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: EndFitting

Attr Group: Properties
Alt Display Name: Line End Fitting
Description: Line End Fitting
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Clamped
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Clamped (Clamped)
Free (Free)

Attr Name: StalkMaterial

Attr Group: Material
Alt Display Name: Stalk Material
Description: Stalk Material
User Level Required: All user levels may access this attribute
Attr Type: CHILD_MATERIAL_NAME
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Span

Attr Name: CoordinateX

Description: The X coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:

ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: CoordinateZ

Description: The Z coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: SpanType

Description: What type of span is this (CATV, Telco, Primary, Secondary / Service)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Primary
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Primary (Primary)
Secondary (Secondary)
Service (Service)
Neutral (Neutral)
Telco (Telco)
CATV (CATV)
Fiber (Fiber)
Sub-Transmission (Sub-Transmission)
Other (Other)
Unknown (Unknown)

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Description
Description: The name, type, material, code, or other designation assigned to this span type by the owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Generic Span
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The relative angle between this span its proximal connection at it's parent insulator or other holding structure
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No

Visible: Yes
Incl When Subst: No

Attr Name: SpanDistanceInInches

Alt Display Name: Span Length (ft)
Description: The horizontal component of the distance between the proximal and distal ends of the span
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 600.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: SpanEndHeightDelta

Alt Display Name: End Drop/Rise (ft)
Description: The vertical component of the distance between the proximal and distal ends of the span
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: MidspanDeflection

Attr Group: Tension Sag
Alt Display Name: Span Sag (ft)
Description: The vertical deflection between the proximal end of the span and the maximum deflection point of the catenary curve
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Tension Type

Attr Group: Tension Sag
Description: Is the tension value calculated or static
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Static
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Static (The tension is a static normal constant supplied by the operator or other data source)
Slack (The tension is a static slack constant supplied by the operator or other data source)
Table (The tension is a table supplied by the operator or other data source)
Sag to Tension (The tension is calculated based on the values entered for sag, weight, and LoadCase)
Tension to Sag (The tension is based on initial stringing tension and LoadCase)

Attr Name: Tension

Attr Group: Tension Sag
Alt Display Name: Tension (lbs)
Description: The tension value used only when "Tension Type" is "Static"
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TensionTable

Attr Group: Tension Sag
Alt Display Name: Tension Table
Description: The tension values table used only when "Tension Type" is "Table"
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Attr Type: TENSION_TABLE
Default: Table;0,500;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SlackTension

Attr Group: Tension Sag
Alt Display Name: Slack Tension (lbs)
Description: The tension value used only when "Tension Type" is "Slack"
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RatedStrength

Attr Group: Tension Sag
Alt Display Name: Rated Strength (lbs)
Description: The rated strength in pounds.
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ConductorDiameter

Alt Display Name: Span Diameter (in)
Description: The conductor diameter in inches including the insulation.
Displayed Units: store as INCHES display as INCHES or MILLIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000

Attr Type: FLOAT
Default: 0.50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideTemp

Attr Group: Temperature
Alt Display Name: Override Temp
Description: Override Nominal Temperature
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Temperature

Attr Group: Temperature
Alt Display Name: Temp Nom (°f)
Description: Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMin

Attr Group: Temperature
Alt Display Name: Temp Min (°f)
Description: Minimum Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 32
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMax

Attr Group: Temperature
Alt Display Name: Temp Max (°f)
Description: Maximum Temperature
Displayed Units: store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 212
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoundsPerInch

Attr Group: Phys Const
Alt Display Name: Span Weight (lbs/ft)
Description: The weight per unit of running length

Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0076
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ModulusOfElasticity

Attr Group: Phys Const
Alt Display Name: Modulus of Elasticity (psi)
Description: ModulusOfElasticity
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 11200000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PercentSolid

Attr Group: Phys Const
Alt Display Name: Percent Solid
Description: Percent Solid
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ThermalCoefficient

Attr Group: Phys Const
Alt Display Name: Thermal Coef ((in/in)/°f)
Description: ThermalCoefficient
Displayed Units: store as THERMAL COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0000106
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CreepCoefficient

Attr Group: Phys Const
Alt Display Name: Creep Coef ((in/in)/lb)
Description: CreepCoefficient
Displayed Units: store as CREEP COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name:IceAccumulationFactor

Attr Group: Tension Sag
Alt Display Name: Ice Accum. Factor
Description: Ice Accumulation Factor for Tension Calculations
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindTensionFactor

Attr Group: Tension Sag
Description: Wind Factor for Tension Calculations
Displayed Units: INVERTED
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###
Attr Type: FLOAT
Default: -1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Tension Sag
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset

Attr Group: Phys Const
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HorizontalOffset

Attr Group: Phys Const
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: StopAtTap

Attr Group: Phys Const
Alt Display Name: Stop at Tap
Description: Stop at Tap
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HasInlineBox

Attr Group: Junction
Alt Display Name: Inline Junction
Description: Flag set to indicate whether or not a span has an inline junction box on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxOffset

Attr Group: Junction
Alt Display Name: Junc Box Offset (in)
Description: The distance down a line where a junction box is located
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 15.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxLength

Attr Group: Junction
Alt Display Name: Junc Box Len (in)
Description: Junction box length in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxDiameter

Attr Group: Junction
Alt Display Name: Junc Box Diam (in)
Description: Junction box diameter in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name:BoxWeight

Attr Group: Junction
Alt Display Name: Junc Box Weight (lbs)
Description: Junction box weight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HasDripLoop

Attr Group: DripLoop
Alt Display Name: Drip Loop
Description: Flag set to indicate whether or not a span has a drip loop on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopOffset

Attr Group: DripLoop
Alt Display Name: Drip Loop Offset (in)
Description: The distance down a line where a drip loop is located
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 2.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopLength

Attr Group: DripLoop
Alt Display Name: Drip Loop Len (in)
Description: Drip loop length in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopHeight

Attr Group: DripLoop
Alt Display Name: Drip Loop Height (in)
Description: Drip loop height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.00
ReadOnly: No

Visible: Yes
Incl When Subst: No

Attr Name: Modifier

Description: Special type modifier.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Drop (Drop)
Overlashed (Overlashed)
Bundled (Bundled)
Corrugated (Corrugated)
Flexpipe (Flexpipe)
Irregular (Irregular)
None (None)
(See Note) ((See Note))

SpanBundle

Attr Name: CoordinateX

Description: The X coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: CoordinateZ

Description: The Z coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: SpanType

Description: What type of span is this (CATV, Telco, Primary, Secondary / Service)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Span Bundle
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: Primary (Primary)
Secondary (Secondary)
Service (Service)
Neutral (Neutral)
Telco (Telco)
CATV (CATV)
Fiber (Fiber)
Sub-Transmission (Sub-Transmission)
Other (Other)
Unknown (Unknown)

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Bundle Type
Description: The name, type, material, code, or other designation assigned to this span type by the owner

User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Overlashed
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Overlashed (Overlashed)
Spacers (Spacers)
Bonded (Bonded)
Twist/Braid (Twist/Braid)

Attr Name: Construction

Alt Display Name: Bundle Type
Description: Bundle Construction
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Overlashed
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Overlashed (Overlashed)
Spacers (Spacers)
Bonded (Bonded)
Twist/Braid (Twist/Braid)
Wrapped (Wrapped)
Other (Other)

Attr Name: BundleIceMode

Attr Group: Bundle Ice/Wind
Alt Display Name: Bundle Ice Mode
Description: Geometry for ice accumulation
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Individual
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Individual (Individual)
Min Circle (Min Circle)
Convex Hull (Convex Hull)
Concave Hull (Concave Hull)

Attr Name: BundleWindMode

Attr Group: Bundle Ice/Wind
Alt Display Name: Bundle Wind Mode
Description: Geometry for wind area
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Individual
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Individual (Individual)
Min Circle (Min Circle)
Convex Hull (Convex Hull)

Concave Hull (Concave Hull)

Attr Name: CoordinateA

Alt Display Name: Rotation (°)

Description: The relative angle between this span its proximal connection at it's parent insulator or other holding structure

Displayed Units: store as RADIANS display as DEGREES

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERA

Default: 0.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: SpanDistanceInInches

Alt Display Name: Span Length (ft)

Description: The horizontal component of the distance between the proximal and distal ends of the span

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERX

Default: 600.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: SpanEndHeightDelta

Alt Display Name: End Drop/Rise (ft)

Description: The vertical component of the distance between the proximal and distal ends of the span

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERZ

Default: 0.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: MidspanDeflection

Attr Group: Tension Sag

Alt Display Name: Span Sag (ft)

Description: The vertical deflection between the proximal end of the span an the maximum deflection point of the catenary curve

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERZ

Default: 0.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: Tension Type

Attr Group: Tension Sag

Description: Is the tension value calculated or static

User Level Required: All user levels may access this attribute

Attr Type: ENUMERATED
Default: Static
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Static (The tension is a static normal constant supplied by the operator or other data source)
Slack (The tension is a static slack constant supplied by the operator or other data source)
Table (The tension is a table supplied by the operator or other data source)
Sag to Tension (The tension is calculated based on the values entered for sag, weight, and LoadCase)
Tension to Sag (The tension is based on initial stringing tension and LoadCase)

Attr Name: Tension

Attr Group: Tension Sag
Alt Display Name: Tension (lbs)
Description: The tension value used only when "Tension Type" is "Static"
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TensionTable

Attr Group: Tension Sag
Alt Display Name: Tension Table
Description: The tension values table used only when "Tension Type" is "Table"
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Attr Type: TENSION_TABLE
Default: Table;0,500;
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SlackTension

Attr Group: Tension Sag
Alt Display Name: Slack Tension (lbs)
Description: The tension value used only when "Tension Type" is "Slack"
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RatedStrength

Attr Group: Tension Sag
Alt Display Name: Msgr Rated Strength (lbs)
Description: The rated strength in pounds.
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00

Attr Type: FLOAT
Default: 5000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ConductorDiameter

Alt Display Name: Msgr Diam (in)
Description: The conductor diameter in inches including the insulation.
Displayed Units: store as INCHES display as
INCHES or MILLIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideTemp

Attr Group: Temperature
Alt Display Name: Override Temp
Description: Override Nominal Temperature
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Temperature

Attr Group: Temperature
Alt Display Name: Temp Nom (°f)
Description: Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMin

Attr Group: Temperature
Alt Display Name: Temp Min (°f)
Description: Minimum Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 32
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMax

Attr Group: Temperature
Alt Display Name: Temp Max (°f)
Description: Maximum Temperature
Displayed Units: store as FAHRENHEIT display as

FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 212
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoundsPerInch

Attr Group: Phys Const
Alt Display Name: Msgr Span Weight (lbs/ft)
Description: The weight per unit of running length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0076
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ModulusOfElasticity

Attr Group: Phys Const
Alt Display Name: Msgr Modulus of Elasticity (psi)
Description: ModulusOfElasticity
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 11200000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PercentSolid

Attr Group: Phys Const
Alt Display Name: Msgr Percent Solid
Description: Percent Solid
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ThermalCoefficient

Attr Group: Phys Const
Alt Display Name: Msgr Thermal Coef ((in/in)/°f)
Description: ThermalCoefficient
Displayed Units: store as THERMAL COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0000106
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CreepCoefficient

Attr Group: Phys Const
Alt Display Name: Msgr Creep Coef ((in/in)/lb)
Description: CreepCoefficient
Displayed Units: store as CREEP COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: IceAccumulationFactor

Attr Group: Tension Sag
Alt Display Name: Ice Accum. Factor
Description: Ice Accumulation Factor for Tension Calculations
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindTensionFactor

Attr Group: Tension Sag
Description: Wind Factor for Tension Calculations
Displayed Units: INVERTED
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###
Attr Type: FLOAT
Default: -1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Tension Sag
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset

Attr Group: Phys Const
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HorizontalOffset

Attr Group: Phys Const
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: StopAtTap

Attr Group: Phys Const
Alt Display Name: Stop at Tap
Description: Stop at Tap
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HasInlineBox

Alt Display Name: Inline Junction
Description: Flag set to indicate whether or not a span has an inline junction box on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxOffset

Alt Display Name: Junc Box Offset (in)
Description: The distance down a line where a junction box is located
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 15.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxLength

Alt Display Name: Junc Box Len (in)
Description: Junction box length in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxDiameter

Alt Display Name: Junc Box Diam (in)
Description: Junction box diameter in inches
Displayed Units: store as INCHES display as

INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxWeight

Alt Display Name: Junc Box Weight (lbs)
Description: Junction box weight in pounds
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: HasDripLoop

Attr Group: DripLoop
Alt Display Name: Drip Loop
Description: Flag set to indicate whether or not a span has a drip loop on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopOffset

Attr Group: DripLoop
Alt Display Name: Drip Loop Offset (in)
Description: The distance down a line where a drip loop is located
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 2.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopLength

Attr Group: DripLoop
Alt Display Name: Drip Loop Len (in)
Description: Drip loop length in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DripLoopHeight

Attr Group: DripLoop

Alt Display Name: Drip Loop Height (in)
Description: Drip loop height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Modifier

Description: Special type modifier.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: Drop (Drop)
Overlashed (Overlashed)
Bundled (Bundled)
Corrugated (Corrugated)
Flexpipe (Flexpipe)
Irregular (Irregular)
None (None)
(See Note) ((See Note))

Tap

Attr Name: Description

Description: Description of the tap
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Flying Tap
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Base Angle (°)
Description: Angle
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name:OffsetInches

Alt Display Name: Offset (ft)
Description: Offset from start of pole
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERX
Default: 60
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

PowerEquipment

Attr Name: CoordinateX

Alt Display Name: Pole Radius at Height (in)
Description: Internal attribute which holds the radius of the pole at the given height.
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Description

Description: Description or Transformer Catalog name
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 1PH- 25KVA
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: The distance in inches from the butt of the pole to the center of the
transformer can
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 420
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)

Description: Angle of bank relative to the parent structure (typically pole)
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Pole Gap

Alt Display Name: Gap (in)
Description: Distance between pole and can in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 6
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Type

Description: Equipment Type
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Transformer
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Transformer (Transformer)
Regulator (Voltage Regulator)
Capacitor (Capacitor)
Switch (Switch)
Fuse (Switch)
Box (Misc Box)

Attr Name: Mount

Description: The type of mount used to install the equipment
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Pole (Standard pole bank mount)
Rack (Equipment are mounted on a rack which is mounted to the pole)

Attr Name: Qty

Alt Display Name: Unit Count
Description: Number of units
User Level Required: All user levels may access this attribute
Attr Type: PLUSMINUS
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Array Angle

Alt Display Name: Unit Spacing (°)
Description: Angle between cans

Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 1.5707963267949
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Rack Spacing

Alt Display Name: Rack Spacing (in)
Description: The distance between items on a rack
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DiameterInInches

Alt Display Name: Unit Diameter/Width (in)
Description: The Diameter of the transformer can in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 22
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Alt Display Name: Unit Height (in)
Description: The Height of the transformer can in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 39
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Alt Display Name: Unit Depth (in)
Description: The Depth of the transformer can in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 39
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Unit Weight (lbs)
Description: The weight of each individual transformer can in pounds
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 365.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Streetlight

Attr Name: CoordinateX

Description: The horizontal position of the base plate relative to the center of the pole in inches
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Description

Description: Description of streetlight
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Streetlight
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Description: General type of light to model.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: General
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: General (General)

Decorative (Decorative)
Spot Light (Spot Light)
Flood Light (Flood Light)
Traffic Signal (Traffic Signal)

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: The distance fromt the center of the base plate to the butt of the pole in
inches
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 300.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The angle of the streetlight relative to the parent structure in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Alt Display Name: Arm Length (in)
Description: The horizontal length from the face of the pole to the tip of the
streetlight
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 96.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ArmDiameterInInches

Alt Display Name: Arm Diameter (in)
Description: The diameter or thickness of the arm of the streetlight assembly
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ArmRiseInInches

Alt Display Name: Arm Rise (in)
Description: The horizontal length from the face of the pole to the tip of the
streetlight

Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 25.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CanDiameterInInches

Alt Display Name: Can Diameter (in)
Description: The diameter or thickness of the light fixture at the tip of the streetlight
assembly

Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 22.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CanHeightInInches

Alt Display Name: Can Height (in)
Description: The height of the can of the light fixture
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 9.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Equip Weight(lbs)
Description: Weight of the streetlight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 40.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Description

Description: Guy wire description
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Description: Type
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Down
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Down (Down Guy)
Span/Head (Span Guy)
Sidewalk (Sidewalk Guy)
Crossarm (Crossarm Guy)
Pushbrace (Pushbrace)

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description:
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 453
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: StrutHeightInInches

Attr Group: Sidewalk
Alt Display Name: Strut Height (ft)
Description: Height of the strut from groundline if it is a sidewalk guy
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 405
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutLengthInInches

Attr Group: Sidewalk
Alt Display Name: Strut Length (ft)
Description: The length of the strut if it is a sidewalk guy

Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 48
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutDiameter

Attr Group: Sidewalk
Alt Display Name: Strut Diameter (in)
Description: The diameter of the strut
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1.25
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutWeightPerIn

Attr Group: Sidewalk
Alt Display Name: Strut Weight/Len (lbs/ft)
Description: The weight of the strut in lbs per unit length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.189167
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutCapacity

Attr Group: Sidewalk
Alt Display Name: Allowable Strut Load (lbs)
Description: The capacity of the strut in lbs
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: FLOAT
Default: 2500
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutFixity

Attr Group: Sidewalk
Alt Display Name: Strut Fixity
Description: The fixity of the strut
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Pinned
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Fixed (Strut Fixed)
Pinned (Strut Pinned)

Attr Name: MergeStruts

Attr Group: Sidewalk
Alt Display Name: Merge Like Struts
Description: Merge with like struts at same position,
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DeltaHeightInInches

Alt Display Name: Span Guy DeltaHt (ft)
Description: Difference in height of the far end if it is a span guy
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Diameter

Alt Display Name: Diameter (in)
Description: Guy wire diameter in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 0.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PercentSolid

Alt Display Name: Percent Solid
Description: Percent Solid
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PreTension

Alt Display Name: Pre-tension (lbs)
Description: Pre-tension in pounds
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 700
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset

Attr Group: Control
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HorizontalOffset

Attr Group: Control
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LateralOffset

Attr Group: Control
Alt Display Name: Lateral Offset (in)
Description: LateralOffset Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Tension Mode

Attr Group: Control
Description: Tension mode
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Calculated
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Calculated (Calculated)
Manual (Manual)

Attr Name: Tension

Attr Group: Control
Alt Display Name: Man Tension (lbs)
Description: Tension in pounds
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1500
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: RTS Strength

Alt Display Name: Strength (lbs)
Description: RTS Strength in pounds
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 26900
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: PoundsPerInch

Alt Display Name: Weight (lbs/ft)
Description: Linear weight in pounds per inch of length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.03408
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ModulusOfElasticity

Alt Display Name: Modulus of Elasticity (psi)
Description: ModulusOfElasticity
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 26000000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GuyMaterial

Attr Group: Material Override
Alt Display Name: Guy Material
Description: Guy Material
User Level Required: All user levels may access this attribute
Attr Type: CHILD_MATERIAL_NAME
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutMaterial

Attr Group: Material Override
Alt Display Name: Strut Material
Description: Strut Material
User Level Required: All user levels may access this attribute
Attr Type: CHILD_MATERIAL_NAME
Default: <Default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Riser

Attr Name: Description

Description: Description of the riser
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Riser
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Install Angle (°)
Description: Install Angle
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 1.5707963267949
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: DiameterInInches

Alt Display Name: Diameter (in)
Description: The diameter of the riser
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 3.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OffsetInInches

Alt Display Name: Standoff (in)
Description: The offset if the riser is on standoffs
Displayed Units: store as INCHES display as

INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: TRACKERX
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthAboveGLInInches

Alt Display Name: Length AGL (ft)
Description: The length above GL
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERZ
Default: 300
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoundsPerInch

Attr Group: Load Analysis
Alt Display Name: Weight (lbs/ft)
Description: The weight in pounds per inch of running length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0833333
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Apply Wind

Attr Group: Load Analysis
Description: Apply wind to the riser?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Load Analysis
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Wind Shadowing

Attr Group: Load Analysis
Description: Does the pole shadow wind on the riser?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN

Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Self Supporting

Attr Group: Load Analysis
Description: Is the riser vertically self supporting?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

GenericEquipment

Attr Name: CoordinateX

Description: The distance in inches from the center of the parent pole to the point where the bracket is bolted to the pole
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 10
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Description

Description: Description of equipment
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Generic Equipment
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Height (ft)
Description: The distance in inches from the bottom of the parent (butt of the pole for example) to the center of the equipment
Displayed Units: store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 420
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ_Rel

Alt Display Name: Relative Height (in)
Description: The distance in inches from the bottom of the parent (butt of the pole for example) to the center of the equipment
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: Angle of equipment relative to the parent structure (typically pole)
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Parent Gap

Alt Display Name: Relative Gap (in)
Description: Distance between parent and equipment in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 6
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Shape

Attr Group: Specifications
Description: Shape of equipment
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Box
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Box (Box)
Cylinder (Cylinder)

Attr Name: DiameterOrWidthInInches

Attr Group: Specifications
Alt Display Name: Unit Width/Diameter (in)
Description: The Diameter or Width in inches
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

a box

Attr Name: DepthInInches

Attr Group: Specifications
Alt Display Name: Unit Depth (in)
Description: The Depth in inches which is only used if the shape of the equipment is
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Attr Group: Specifications
Alt Display Name: Unit Height (in)
Description: The Height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pitch

Alt Display Name: Pitch (°)
Description: Pitch in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Roll

Alt Display Name: Roll (°)
Description: Roll in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Yaw

Alt Display Name: Yaw (°)
Description: Yaw in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA

Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Attr Group: Specifications
Alt Display Name: Unit Weight (lbs)
Description: The weight of the element in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Attr Group: Specifications
Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Color

Attr Group: Specifications
Alt Display Name: Display Color
Description: The color of the element
User Level Required: Limited users can NOT access this attribute
Attr Type: COLOR
Default: #FF4682B4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ShowLabel

Attr Group: Specifications
Alt Display Name: Show Label
Description: Indicates if the label is displayed
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TextColor

Attr Group: Specifications
Alt Display Name: Label Color
Description: The color of the element's text
User Level Required: Limited users can NOT access this attribute
Attr Type: COLOR
Default: #FFFFFF00
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

PoleRestoration

Attr Name: Type

Description: Type of restoration
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: C2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: C (Osmose C Truss)
C2 (Osmose C2 Truss)
ET (Osmose ET Truss)
FiberWrap (Osmose FiberWrap)
FiberWrap II (Osmose FiberWrap II)
Truss (Other Truss)
Wrap (Other Pole Wrap)

Attr Name: Description

Description: Description of the restoration
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Osmose
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Alt Display Name: Length (ft)
Description: The length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 120.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityTable

Alt Display Name: Moment Added (ft-lb)
Description: The moment capacity table
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: MOMENT_TABLE
Default: Moment;0,10000;
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Top Of Restoration (ft)
Description: Distance from the butt of the pole to the top of the truss or wrap
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 160.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Clearance

Attr Name: Description

Description: Description of the clearance item
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Clearance
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Group

Alt Display Name: Clearance Group
Description: The clearance group
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Primary Span
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Primary Span (Primary Span)
Secondary (Secondary)
Telco (Telco)

Attr Name: Mode

Alt Display Name: Population Mode
Description: The population
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Automatic
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Manual (Manual)

Automatic (Automatic)
External (External)

Attr Name: SagMinimum

Alt Display Name: Sag Minimum (ft)
Description: The vertical deflection minimum
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SagNominal

Alt Display Name: Sag Nominal (ft)
Description: The vertical deflection nominal
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SagMaximum

Alt Display Name: Sag Maximum (ft)
Description: The vertical deflection maximum
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

SpanAddition

Attr Name: Description

Description: Description of the span addition item
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Span Addition
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Addition Type
Description: The type of the span addition item
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Aviation Ball
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Cut-Out (Cut-Out)
Splice (Splice)
Damper (Damper)
Aviation Ball (Aviation Ball)
Perch Stopper (Perch Stopper)
Maintenance Loop (Maintenance Loop)
Other (Other)

Attr Name: OffsetInches

Alt Display Name: Offset Dist (ft)
Description: Offset distance from pole
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 120.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Size

Alt Display Name: Size (in)
Description: Size of the addition in the primary dimension
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Weight (lbs)
Description: Weight of the addition
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 7.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WindDragCoef

Alt Display Name: Wind Drag Coef.
Description: Wind Drag Coefficient
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0###
Attr Type: FLOAT
Default: 0

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoopOrientation

Attr Group: Loop
Alt Display Name: Loop Orientation
Description: The loop orientation
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Vertical
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Vertical (Vertical)
Horizontal (Horizontal)

Attr Name: LoopPosition

Attr Group: Loop
Alt Display Name: Loop Position
Description: The loop position
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Minus
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Plus (Plus)
Center (Center)
Minus (Minus)

Attr Name: LeadOne

Attr Group: Loop
Alt Display Name: Lead One
Description: Lead one
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LeadOnePosition

Attr Group: Loop
Alt Display Name: Lead One Position
Description: The lead one position
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Minus
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Plus (Plus)
Center (Center)
Minus (Minus)

Attr Name: LeadOneOffset

Attr Group: Loop
Alt Display Name: Lead One Offset (ft)
Description: Lead One offset distance from pole
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute

Format Expression: 0.00
Attr Type: TRACKERX
Default: 80.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeadTwo

Attr Group: Loop
Alt Display Name: Lead Two
Description: Lead two
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LeadTwoPosition

Attr Group: Loop
Alt Display Name: Lead Two Position
Description: The lead one position
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Plus
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Plus (Plus)
Center (Center)
Minus (Minus)

Attr Name: LeadTwoOffset

Attr Group: Loop
Alt Display Name: Lead Two Offset (ft)
Description: Loop top offset distance from pole
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 80.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

WoodPoleDamageOrDecay

Attr Name: Type

Description: Type of damage or decay
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Void
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Vehicle Scrape (Vehicle Scrape)
Saw Cut (Saw Cut)
Mower Cut (Mower Cut)
Exposed Pocket (Exposed Pocket)
Enclosed Pocket (Enclosed Pocket)
Void (Void)
Heart Rot (Heart Rot)
Shell Reduction (Shell Reduction)

Woodpecker Hole (Woodpecker Hole)
Woodpecker Nest (Woodpecker Nest)

Attr Name: Description

Description: Brief description of the damage
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: WidthInInches

Alt Display Name: Width (in)
Description: The width in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Alt Display Name: Height (in)
Description: The height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Alt Display Name: Depth (in)
Description: The depth in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ShellThicknessInInches

Alt Display Name: Shell Thick (in)

Description: Shell thickness in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 4.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ReducedCircumference

Alt Display Name: Reduced Circum (in)
Description: Shell reduced circumference in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: EntryWidthInInches

Alt Display Name: Entry Width (in)
Description: The entry width in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Location (ft)
Description: Distance from the butt of the pole to center of damage or decay
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 120.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Description

Description: Brief description of the damage
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: HeightInInches

Alt Display Name: Height (in)
Description: The height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Location (ft)
Description: Distance from the butt of the pole to center of damage or decay
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 120.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: MomentCapacity

Alt Display Name: Moment Cap (ft-lb)
Description: The moment capacity
Displayed Units: store as FTLBS display as

FTLBS or NEWTONMETERS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 50000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingCapacity

Alt Display Name: Buckling Cap (lbs)
Description: The buckling capacity
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 5000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

MultiPoleStructure

Attr Name: Pole Number

Description: Structure ID
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: ReportingMode

Alt Display Name: Reporting Mode
Description: Reporting Mode
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Active Leg
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Enum Values: Active Leg (Active Leg)
Worst Leg (Worst Leg)

LatticeStructure

Attr Name: Pole Number

Description: Structure ID
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: NodeRenderDiam

Alt Display Name: Node Render (in)
Description: Node render diameter
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BeamRenderDiam

Alt Display Name: Beam Render (in)
Description: Beam render diameter
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 6
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RenderLoads

Alt Display Name: Render Loads
Description: Render loads
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GravitationalAccelerationX

Attr Group: Gravity
Alt Display Name: Grav Accel X (ft/s/s)
Description: GravitationalAccelerationX
Displayed Units: store as INCHES PERSEC PERSEC display as FEET PERSEC PERSEC or METERS PERSEC PERSEC
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GravitationalAccelerationY

Attr Group: Gravity
Alt Display Name: Grav Accel Y (ft/s/s)
Description: GravitationalAccelerationY
Displayed Units: store as INCHES PERSEC PERSEC display as FEET PERSEC PERSEC or METERS PERSEC PERSEC
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GravitationalAccelerationZ

Attr Group: Gravity
Alt Display Name: Grav Accel Z (ft/s/s)
Description: GravitationalAccelerationZ
Displayed Units: store as INCHES PERSEC PERSEC display as FEET PERSEC PERSEC or METERS PERSEC PERSEC
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 2.68116666666667
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

LatticeSection

Attr Name: Description

Description: Description of the section
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Section
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the section
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Z (ft)
Description: Section Z relative to groundline
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Width

Alt Display Name: Width X (ft)
Description: Distance between min and max X
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Depth

Alt Display Name: Depth Y (ft)
Description: Distance between min and max Y
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Height

Alt Display Name: Height Z (ft)
Description: Distance between min and max Z
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideRendering

Attr Group: Rendering
Alt Display Name: Override Rendering
Description: Indicates if the rendering is controlled by this section
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: NodeRenderDiam

Attr Group: Rendering
Alt Display Name: Node Render (in)
Description: Node render diameter
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 20
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BeamRenderDiam

Attr Group: Rendering
Alt Display Name: Beam Render (in)
Description: Beam render diameter
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RenderLoads

Attr Group: Rendering
Alt Display Name: Render Loads
Description: Render loads
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

LatticeGroup

Attr Name: Description

Description: Description of the group
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Group
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the group
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <tbid>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Width

Alt Display Name: Width X (ft)
Description: Distance between min and max X
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Depth

Alt Display Name: Depth Y (ft)
Description: Distance between min and max Y
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Height

Alt Display Name: Height Z (ft)
Description: Distance between min and max Z
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideRendering

Attr Group: Rendering
Alt Display Name: Override Rendering
Description: Indicates if the rendering is controlled by this section
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: NodeRenderDiam

Attr Group: Rendering
Alt Display Name: Node Render (in)
Description: Node render diameter
Displayed Units: store as INCHES display as

INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 20
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BeamRenderDiam

Attr Group: Rendering
Alt Display Name: Beam Render (in)
Description: Beam render diameter
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RenderLoads

Attr Group: Rendering
Alt Display Name: Render Loads
Description: Render loads
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Material

Attr Name: Description

Description: Description of the material
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Material
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the material
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <tbd>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoissonsRatio

Attr Group: Constants
Alt Display Name: Poisson's Ratio
Description: Poisson's Ratio
User Level Required: Administrative access only
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.49

ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: YoungsModulus

Attr Group: Constants
Alt Display Name: Modulus of Elasticity (psi)
Description: YoungsModulus
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 20000000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Constants
Alt Display Name: Density (lb/ft³)
Description: Density for the material in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ThermalCoefficient

Attr Group: Constants
Alt Display Name: Thermal Coef ((in/in)/°f)
Description: ThermalCoefficient
Displayed Units: store as THERMAL COEFFICIENT
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0000106
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearAreaY

Attr Group: Shear
Alt Display Name: Shear Area Y (in²)
Description: Shear Area Y
Displayed Units: store as IN2 display as
IN2 or CM2
User Level Required: Administrative access only
Format Expression: 0.00##
Attr Type: FLOAT
Default: 8
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearAreaZ

Attr Group: Shear
Alt Display Name: Shear Area Z (in²)
Description: Shear Area Z

Displayed Units: store as IN2 display as
IN2 or CM2
User Level Required: Administrative access only
Format Expression: 0.00##
Attr Type: FLOAT
Default: 8
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearModulus

Attr Group: Shear
Alt Display Name: Shear Modulus (psi)
Description: Shear Modulus
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 8000000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearStrengthY

Attr Group: Shear
Alt Display Name: Shear Strength Y (lbs)
Description: The shear strength of the beam
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearStrengthZ

Attr Group: Shear
Alt Display Name: Shear Strength Z (lbs)
Description: The shear strength of the beam
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingStrength

Attr Group: Capacity
Alt Display Name: Buckling Strength (lbs)
Description: The buckling strength of the beam
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: TensionStrength

Attr Group: Capacity
Alt Display Name: Tensile Strength (lbs)
Description: The tensile strength of the beam
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityY

Attr Group: Capacity
Alt Display Name: Moment Capacity Y (ft-lbs)
Description: Total allowable bending moment
Displayed Units: store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 2000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityZ

Attr Group: Capacity
Alt Display Name: Moment Capacity Z (ft-lbs)
Description: Total allowable bending moment
Displayed Units: store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 2000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentCapacityX

Attr Group: Capacity
Alt Display Name: Torque Capacity (ft-lbs)
Description: Total allowable bending moment
Displayed Units: store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required: Administrative access only
Format Expression: 0
Attr Type: FLOAT
Default: 2000
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Area

Attr Group: Dimensions
Alt Display Name: Area (in²)
Description: Cross sectional area
Displayed Units: store as IN2 display as IN2 or CM2

User Level Required: Administrative access only
Format Expression: 0.00
Attr Type: FLOAT
Default: 11
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: DimensionY

Attr Group: Dimensions
Alt Display Name: Dimension Y (in)
Description: Dimension in the Y axis
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Administrative access only
Format Expression: 0.00
Attr Type: FLOAT
Default: 6
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: DimensionZ

Attr Group: Dimensions
Alt Display Name: Dimension Z (in)
Description: Dimension in the Z axis
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Administrative access only
Format Expression: 0.00
Attr Type: FLOAT
Default: 6
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: IcePerimiter

Attr Group: Dimensions
Alt Display Name: Ice Perimiter (in)
Description: Ice accumulation perimiter (effective)
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Administrative access only
Format Expression: 0.00
Attr Type: FLOAT
Default: 6
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: WindArea

Attr Group: Dimensions
Alt Display Name: Wind Area (in²/ft)
Description: Wind area per unit length
Displayed Units: store as SQINPERIN display as SQINPERFOOT or SQCMPERMETER
User Level Required: Administrative access only
Format Expression: 0.00
Attr Type: FLOAT
Default: 11
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Iyy

Attr Group: Moments
Alt Display Name: Ixx - 2nd MOA (in⁴)
Description: Second moment of area in the horizontal axis
Displayed Units: store as IN4 display as
IN4 or CM4
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 400
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Izz

Attr Group: Moments
Alt Display Name: Izz - 2nd MOA (in⁴)
Description: Second moment of area in the vertical axis
Displayed Units: store as IN4 display as
IN4 or CM4
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 400
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Jxx

Attr Group: Moments
Alt Display Name: Jyy - 2nd MOA (in⁴)
Description: Second moment of area in the radial axis
Displayed Units: store as IN4 display as
IN4 or CM4
User Level Required: Administrative access only
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 200
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Node

Attr Name: Description

Description: Description of the node
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Node
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the node
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <tbd>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateX

Alt Display Name: X Coord (ft)
Description: Node X relative to center
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateY

Alt Display Name: Y Coord (ft)
Description: Node Y relative to center
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Z Coord (ft)
Description: Node Z relative to section
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: NodeRadius

Attr Group: Parameters
Alt Display Name: Node Radius (in)
Description: Node radius (plate size)
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ShearStrength

Attr Group: Parameters
Alt Display Name: Shear Strength (lbs)
Description: The shear strength of the node
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0
Attr Type: FLOAT
Default: 45000
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

Attr Name: MergeNode

Attr Group: Merge Nodes
Alt Display Name: Merge Nodes
Description: Indicates if the node is to be merged with proximal nodes
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MergeTolerance

Attr Group: Merge Nodes
Alt Display Name: Merge Tolerance (in)
Description: Max distance node is to be merged with proximal nodes
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.000
Attr Type: FLOAT
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: OverrideRendering

Attr Group: Rendering
Alt Display Name: Override Rendering
Description: Indicates if the rendering is controlled by this section
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: NodeRenderDiam

Attr Group: Rendering
Alt Display Name: Node Render (in)
Description: Node render diameter
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 20
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

NodeJunction

Attr Name: Description

Description: Description of the insulator.
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Junction
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Node

Description: Node
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <node>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: The Z coordinate relative to the parent. This value is frequently set by SnapToParent
Displayed Units: store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 300.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation of the insulator / span holder relative to its parent. If the orientation is non-zero the stalk with lean along this axis
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Side

Alt Display Name: Position
Description: The junction position.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Inline
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Tip (Tip)
Street (Street)
Field (Field)
Inline (Inline)
Front (Front)
Back (Back)

Both (Both)

Attr Name: CoordinateX

Alt Display Name: Horizontal Offset (in)
Description: Distance from the center of the parent. In the case of a crossarm this is the position along the arm. In the case of poles this is typically set by SnapToParent
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: WidthInInches

Alt Display Name: Unit Width (in)
Description: The effective width for wind area of the junction bolt
Displayed Units: store as INCHES display as INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Unit Weight (lbs)
Description: Weight of the junction in pounds
Displayed Units: store as POUNDS display as POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

NodeConstraint

Attr Name: Description

Description: Description of the constraint
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Constraint
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the constraint
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LateralConstraints

Alt Display Name: Lateral Constraints
Description: Lateral Constraints
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: X,Y,Z
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: None (None)
X,Y,Z (X,Y,Z)
X (X)
Y (Y)
Z (Z)
X,Y (X,Y)
X,Z (X,Z)
Y,Z (Y,Z)

Attr Name: RotationConstraints

Alt Display Name: Rotation Constraints
Description: Rotation Constraints
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: XX,YY,ZZ
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: None (None)
XX,YY,ZZ (XX,YY,ZZ)
XX (XX)
YY (YY)
ZZ (ZZ)
XX,YY (XX,YY)
XX,ZZ (XX,ZZ)
YY,ZZ (YY,ZZ)

Attr Name: RotationHinges

Alt Display Name: Rotation Hinges
Description: Rotation Hinges
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: None (None)
XX,YY,ZZ (XX,YY,ZZ)
XX (XX)
YY (YY)
ZZ (ZZ)
XX,YY (XX,YY)
XX,ZZ (XX,ZZ)
YY,ZZ (YY,ZZ)

Attr Name: SettleHeaveX

Alt Display Name: Settle Heave X (in)
Description: Prescribed lateral motion in the X axis
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: SettleHeaveY

Alt Display Name: Settle Heave Y (in)
Description: Prescribed lateral motion in the Y axis
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SettleHeaveZ

Alt Display Name: Settle Heave Z (in)
Description: Prescribed lateral motion in the Z axis
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RackingXX

Alt Display Name: Racking XX (°)
Description: Prescribed rotation in the XX axis
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RackingYY

Alt Display Name: Racking YY (°)
Description: Prescribed rotation in the YY axis
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: RackingZZ

Alt Display Name: Racking ZZ (°)
Description: Prescribed rotation in the ZZ axis
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.0

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

NodeLoad

Attr Name: Description

Description: Description of the
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Applied Load
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the load
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoadX

Alt Display Name: Load X lbs
Description: Applied load in the X axis
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoadY

Alt Display Name: Load Y lbs
Description: Applied load in the Y axis
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoadZ

Alt Display Name: Load Z lbs
Description: Applied load in the Z axis
Displayed Units: store as POUNDS display as POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentX

Alt Display Name: Moment X (ft-lb)
Description: Applied Moment in the XX axis
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentY

Alt Display Name: Moment Y (ft-lb)
Description: Applied Moment in the YY axis
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MomentZ

Alt Display Name: Moment Z (ft-lb)
Description: Applied Moment in the ZZ axis
Displayed Units: store as FTLBS display as
FTLBS or NEWTONMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Beam

Attr Name: Description

Description: Description of the beam
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Beam Element
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the beam
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <tbid>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Node1

Alt Display Name: Node 1
Description: Node 1
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <node 1>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Node2

Alt Display Name: Node 2
Description: Node 2
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <node 1>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Material

Description: Material
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: <material>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Mode

Description: Capacity Mode
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Standard
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Standard (Standard)
Compression Only (Compression Only)
Tension Only (Tension Only)

Attr Name: OverrideRendering

Attr Group: Rendering
Alt Display Name: Override Rendering
Description: Indicates if the rendering is controlled by this section
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BeamRenderDiam

Attr Group: Rendering
Alt Display Name: Beam Render (in)
Description: Node render diameter
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 12
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

BeamLoad

Attr Name: Description

Description: Description of the
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default: Applied Load
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Name

Description: Name of the load
User Level Required: Limited users can NOT access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Type

Description: Type of the load
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Uniform
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Uniform (Uniform)
Point (Point)

Attr Name: LoadX

Alt Display Name: Load X lbs
Description: Applied load in the X axis
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoadY

Alt Display Name: Load Y lbs
Description: Applied load in the Y axis
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LoadZ

Alt Display Name: Load Z lbs
Description: Applied load in the Z axis
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Alt Display Name: Offset (in)
Description: Offset from node 1
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes