

INTRODUCING THE NEW INDUSTRY STANDARD FOR SAG AND TENSION SOFTWARE - SPIDA[®]silK

For utilities, telecommunication providers, and contractors who need precise and accurate wire and conductor sag, tension calculations, and installation charts, SPIDAsilk is an affordable, easy-to-use platform that features a modern user-friendly interface and detailed reporting.

Eliminating manual calculations and antiquated reporting, SPIDAsilk saves time and efficiently produces stringing charts and sag-tension tables in a familiar Excel output.

SPIDAsilk evaluates spans with elevation changes, supports stand-mounted equipment, and integrates with SPIDAcalc, providing users with an easy mechanism to evaluate unique spans or crossings.

From setting a limiting condition based upon sag, tension, or RTS limits to evaluating communication bundles with strand-mounted equipment, SPIDAsilk is a complete, comprehensive solution for the industry.

Report Date: 11/15/2020
 1/0 AAC (7/0) CSA Severe
 Rolling Span: 45.7 m
 #Tubing Span method was not used for reporting sag and tensions.
 Outer stranding was allowed to enter compression at high temperatures.
 #Weather case was considered when determining highest tension for final tension without creep.

Distance: 76.34 m		Elevation Change: -4.57 m		Elastic		
Lead	Temp (°C)	Ice (cm)	Wind (kPa)	Max Tension (N)	Hor. Tension (N)	Sag (m)
Severe	30	1.9	0.8	3945	3517	3.16
Everyday	15	0	0	376	368	2.86
0 C	0	0	0	394	386	2.73
Swing	40	0	0.33	620	608	3.1
20 C	30	0	0	342	334	3.13
100 C	100	0	0	307	298	3.53

Wire Properties

Size	1/0 AAC
Diameter	0.9347 cm
Weight Per Length	1.4448 N/m

Creep Conditions

Temperature	15 °C
Ice Thickness	0 cm
Wind Pressure	0.8 kPa

EXCEL-BASED REPORTING

MEASURE ALONG THE SPAN

MODERN, USER-FRIENDLY INTERFACE





DETAILED SAG AND TENSION REPORTING

SPIDA has made it easy to evaluate single span and ruling spans while creating precise stringing tension charts. View wire reports based on code-specified or custom weather cases at initial, final without creep, and final with creep conditions.



MODERN, USER-FRIENDLY INTERFACE

SPIDAsilk's user interface provides the same ease of use that SPIDA is known for. SPIDAsilk was designed for users to efficiently and accurately calculate sag and tension in real time, frustration free.



STRINGING CHARTS AND WIRE REPORTS

Excel-based reports save time by eliminating manual calculations, the use of .txt files, and antiquated reporting.



SPIDACALC CLIENT FILE INTEGRATION

Share wire tension methods with SPIDACalc for consistent wire analysis and reporting.



COMMUNICATION BUNDLES

Easy-to-use bundling for quick definition of communication bundles and overlashing. Users can set a constraint for the complete bundle or explicitly set the initial messenger tension.



SET LIMITING SAG CONDITIONS

Set multiple constraints based on sag limits, tension limits, or percent of rated tensile strength at initial, final tension without creep, or final tension with creep.



IDENTIFY SAG MEASUREMENTS ANYWHERE ALONG THE SPAN

Easily model elevation changes and identify sag measurements along the span for unusual crossings or long spans.



WIRE MOUNTED EQUIPMENT MODELING

Create objects, such as 5G antennas or marker balls, and place anywhere along the span.

