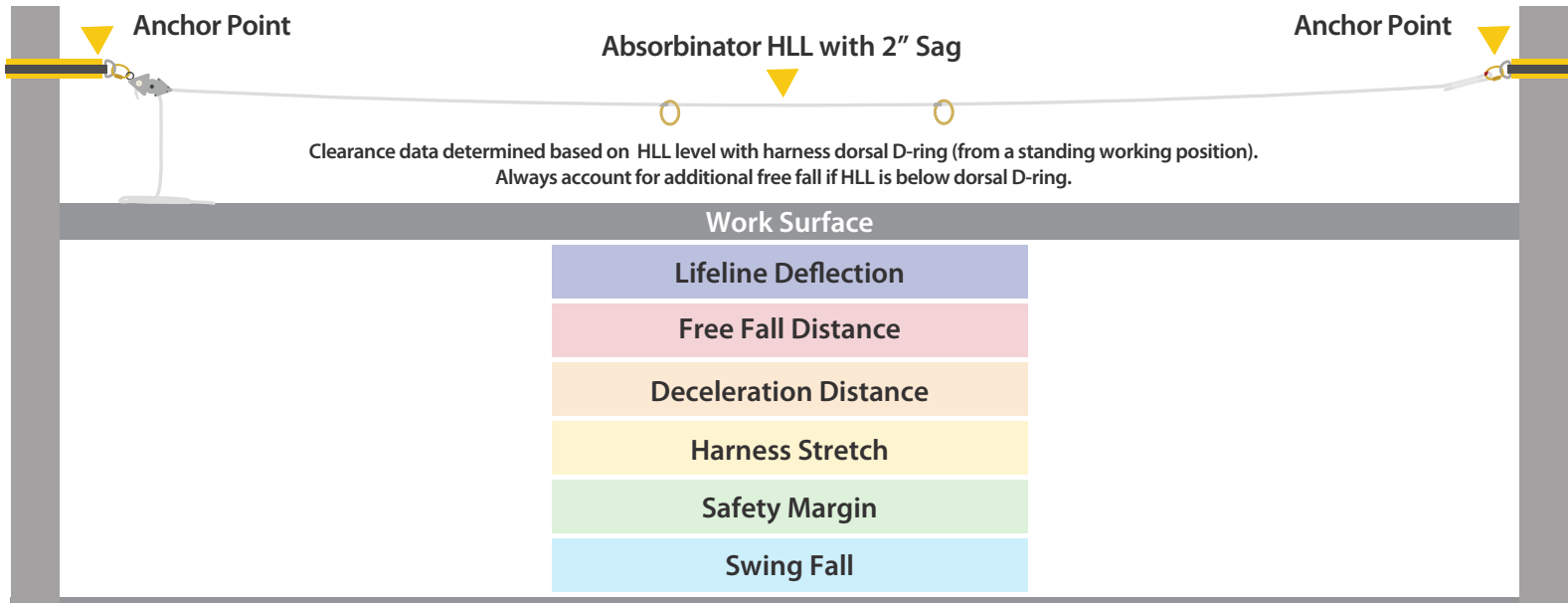


# ABSORBINATOR HLL FALL CLEARANCE (2" SAG)

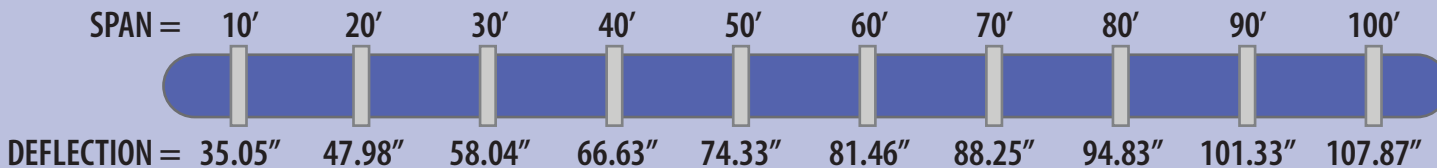
**TOTAL FALL CLEARANCE =**

**DEFLECTION + FREE FALL + DECELERATION + STRETCH + SAFETY MARGIN + SWING FALL**



## DEFLECTION

What's the length of your horizontal lifeline span?



## FREE FALL

What type of connecting device are you using?

SELF-RETRACTING LIFELINE (SRL) = 0'

OR

6' FREE FALL LANYARD = 6'

## DECELERATION

Is your connector a Class-A SRL, Class-B SRL, or a Lanyard?

CLASS-A SRL = 2'

OR

CLASS-B SRL = 4.5'

OR

6' FREE FALL LANYARD = 4'

## STRETCH

Always account for harness stretch!

HARNESS STRETCH = 1.5'

## SAFETY MARGIN

Add a 3' safety margin!

SAFETY MARGIN = 3'

Eliminate Whenever Possible!

## SWING FALL

IF SWING FALL EXISTS, ADD MORE CLEARANCE!

# ABSORBINATOR HLL FALL CLEARANCE (2" SAG)

**TOTAL FALL CLEARANCE =**

**DEFLECTION + FREE FALL + DECELERATION + STRETCH + SAFETY MARGIN + SWING FALL\***

**When Using A Class-A SRL...**

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *
10'	35.05"					8.42'
20'	47.98"					9.50'
30'	58.04"					10.34'
40'	66.63"					11.05'
50'	74.33"					11.69'
60'	81.46"					12.29'
70'	88.25"					12.85'
80'	94.83"					13.40'
90'	101.33"					13.94'
100'	107.87"					14.49'

**When Using A Class-B SRL...**

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *
10'	35.05"					10.92'
20'	47.98"					12.00'
30'	58.04"					12.84'
40'	66.63"					13.55'
50'	74.33"					14.19'
60'	81.46"					14.79'
70'	88.25"					15.35'
80'	94.83"					15.90'
90'	101.33"					16.44'
100'	107.87"					16.99'

**When Using A 6' Free Fall Lanyard...**

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *
10'	35.05"					16.42'
20'	47.98"					17.50'
30'	58.04"					18.34'
40'	66.63"					19.05'
50'	74.33"					19.69'
60'	81.46"					20.29'
70'	88.25"					20.85'
80'	94.83"					21.40'
90'	101.33"					21.94'
100'	107.87"					22.49'

\* Eliminate **Swing Fall** whenever possible! If **Swing Fall** exists, always account for additional fall clearance.