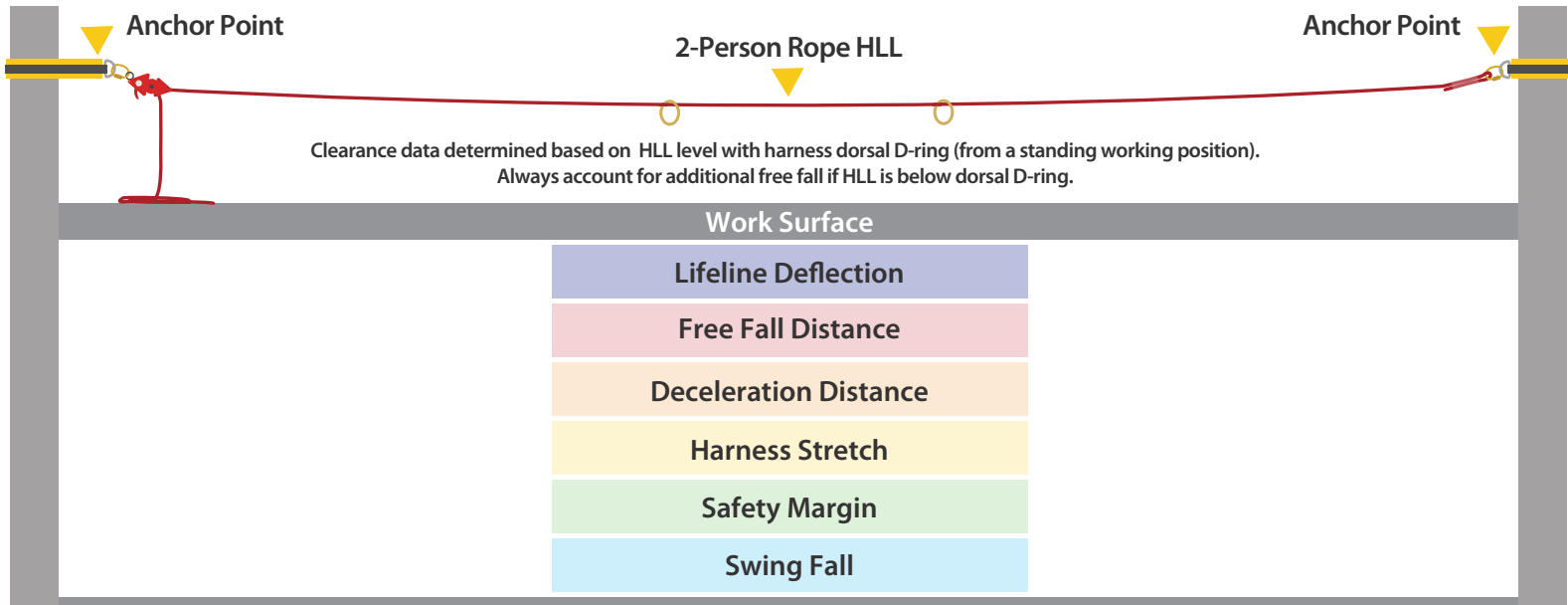


2-PERSON ROPE HLL FALL CLEARANCE

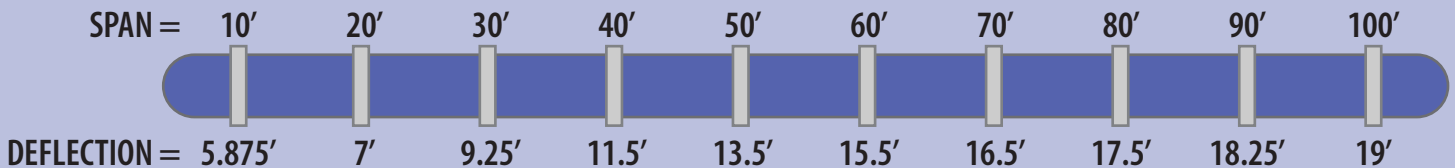
TOTAL FALL CLEARANCE =

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 = 4.5'

STRETCH

Always account for harness stretch!

HARNESS STRETCH = 1.5'

SAFETY MARGIN

Add a 2' safety margin!

SAFETY MARGIN = 2'

Eliminate Whenever Possible!

SWING FALL

IF SWING FALL EXISTS, ADD MORE CLEARANCE!

2-PERSON ROPE HLL FALL CLEARANCE

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'	5.875'					11.375'					
20'	7'					12.5'					
30'	9.25'					14.75'					
40'	11.5'					17'					
50'	13.5'	+	0'	+	2'	+	1.5'	+	2'	=	19'
60'	15.5'					21'					
70'	16.5'					22'					
80'	17.5'					23'					
90'	18.25'					23.75'					
100'	19'					24.5'					

When Using A Class-B SRL...

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *					
10'	5.875'					13.875'					
20'	7'					15'					
30'	9.25'					17.25'					
40'	11.5'					19.5'					
50'	13.5'	+	0'	+	4.5'	+	1.5'	+	2'	=	21.5'
60'	15.5'					23.5'					
70'	16.5'					24.5'					
80'	17.5'					25.5'					
90'	18.25'					26.25'					
100'	19'					27'					

When Using A 6' Free Fall Lanyard...

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *					
10'	5.875'					19.375'					
20'	7'					20.5'					
30'	9.25'					22.75'					
40'	11.5'					25'					
50'	13.5'	+	6'	+	4'	+	1.5'	+	2'	=	27'
60'	15.5'					29'					
70'	16.5'					30'					
80'	17.5'					31'					
90'	18.25'					31.75'					
100'	19'					32'					