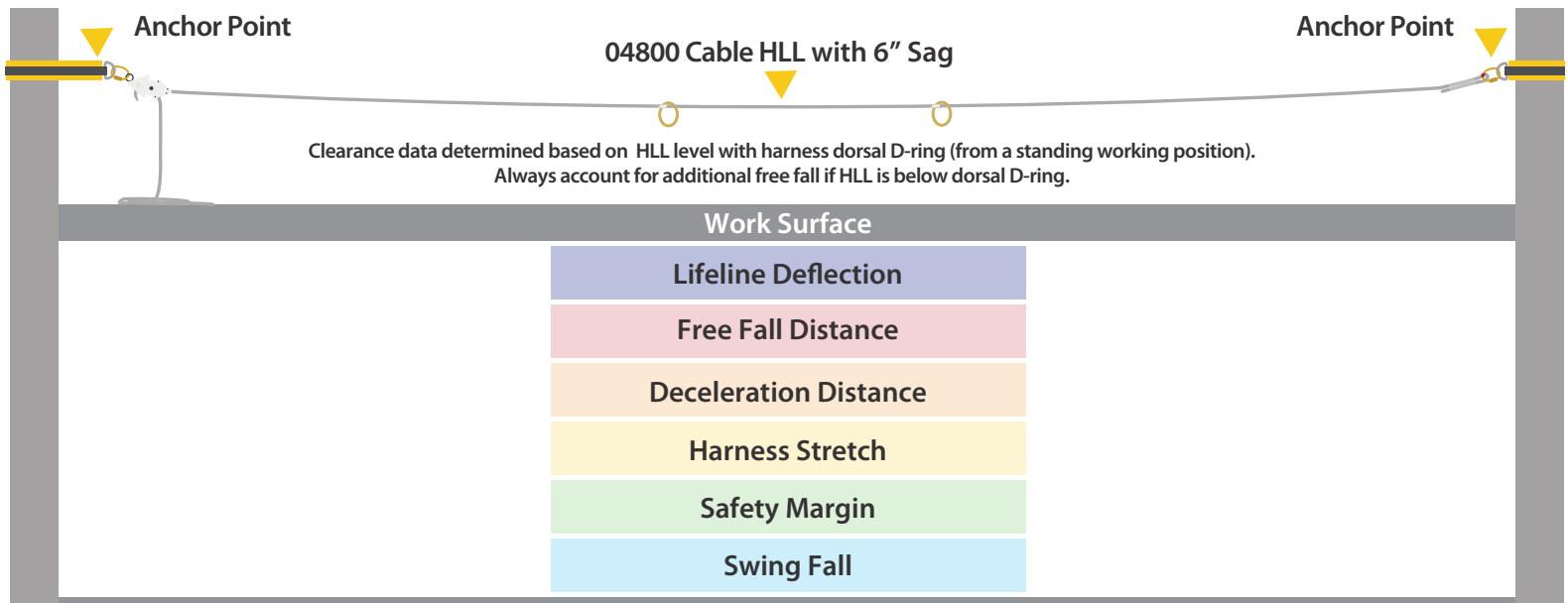


TOTAL FALL CLEARANCE =

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!

04800 CABLE 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 *
25'	2.5'	0'	2'	1.5'	2'	8'
50'	3.5'	0'	2'	1.5'	2'	9'
75'	4.5'	0'	2'	1.5'	2'	10'
100'	5.5'	0'	2'	1.5'	2'	11'

When Using A Class-B SRL...

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *
25'	2.5'	0'	4.5'	1.5'	2'	10.5'
50'	3.5'	0'	4.5'	1.5'	2'	11.5'
75'	4.5'	0'	4.5'	1.5'	2'	12.5'
100'	5.5'	0'	4.5'	1.5'	2'	13.5'

When Using A 6' Free Fall Lanyard...

Span	Deflection	Free Fall	Deceleration	Harness Stretch	Safety Margin	TOTAL FALL CLEARANCE *
25'	2.5'	6'	4'	1.5'	2'	16'
50'	3.5'	6'	4'	1.5'	2'	17'
75'	4.5'	6'	4'	1.5'	2'	18'
100'	5.5'	6'	4'	1.5'	2'	19'

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