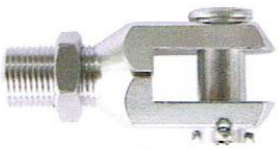
SAFETYLINK LIFELINE

SWAGELESS SS TERMINAL 8mm 7x7, 7x19

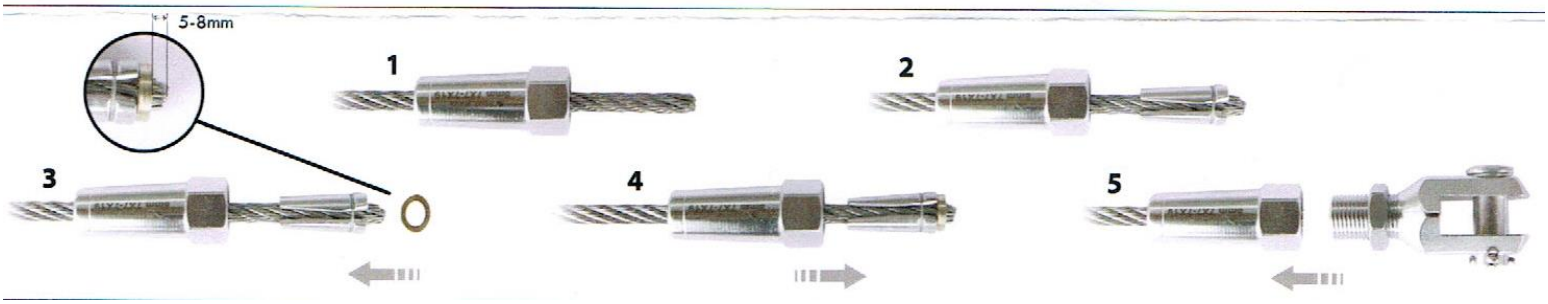
Jaw housing
Hauptstück

Jaws
Backen

Brass Ring
Messing Ring



Head
Kopfteil



Make sure that the cable matches the terminal.
The SS terminal use only for 8mm 7x7 and 7 x 19 Stainless Wire.
Do no reuse jaws or house.

1. Slide the jaw housing in place on the cable.
2. Slide the jaws onto the cable, ensuring there is equal space between the jaws.
3. Place the brass pressure ring on the end of the cable. Make sure that the distance from the pressure ring to the end of the cable is 5-8mm.
4. Slide the jaw housing over the jaws.
5. The terminal can now be assembled. Screw the head on the jaw housing with a torque wrench – **min. 58 Nm (43Lbf ft),** Tighten the lock nut with **min. 50 Nm (36 Lbf ft).**

Note: after the first dynamic load the terminal **MUST** be tightened again. When assembling Swageless Terminals the breaking strength of the cable will be reduced by 0-15%.

The user is responsible for choosing the proper cable, and for correct assembly.

SafetyLink Pty Ltd | ABN 83 081 777 371 | Phone: +61 2 4964 1068 | Fax: +61 2 4964 1069
info@safetylink.com | www.safetylink.com

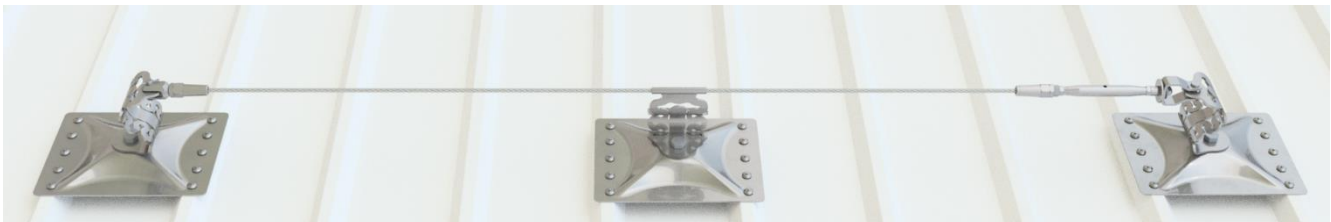
SAFETYLINK LIFELINE

TIGHTENING ASSEMBLY & TORQUE SETTINGS FOR SWAGELESS TERMINALS

Wire size:		Nm	Lbf ft
Ø 3	-	11	8.25
-	1/8”	11	8.25
Ø 4	5/32”	17	12.75
-	3/16”	22	16.5
Ø 5	-	22	16.5
-	7/32	38	28.5
Ø 6	-	38	28.5
-	1/4”	38	28.5
Ø 7	9/32”	48	35.5
Ø 8	**5/16”**	**58**	**43.0**
-	3/8”	75	55.5
Ø 10	-	75	55.5
Ø 12	-		
-	1/2”		
Ø 14	-		
Ø 16	-		

INSTALLATION: CABLE, TENSIONERS & TERMINATION FITTINGS

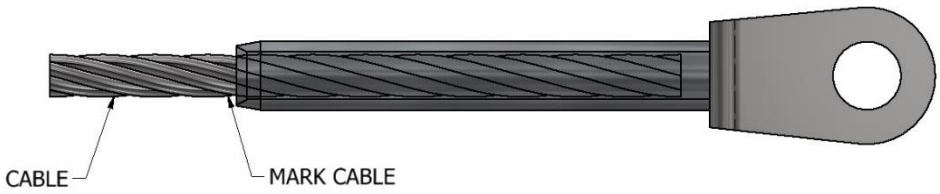
1. Install *Swaged/Swageless Termination* to the cable in accordance with product guidelines.
2. Determine which end is most suitable to have the cable *Tensioner with Tension Indicator.* (Some lifelines may require a *Tensioner with Tension Indicator* on both ends). Connect the cable with *Termination* end to the *FrogLine End Anchor* top connection point. This will be at the opposite end to where the *Tensioner* end will be. (Ensure securing pin has been installed correctly).
3. Run the cable through *Intermediates* and *Corners* to the opposite end of the Lifeline system (Intermediates must be installed as per installation manual, maximum distance between Intermediates is 10 metres).
4. Connect *Swaged/Swageless Tensioner with Tension Indicator* to *FrogLine End Anchor* top connection point. (Do not attach *Tensioner* to cable at this stage).
5. Adjust the *Tensioner* out to the maximum safe length.
6. Match the cable along the side of the *Tensioner* and mark where to cut cable so that it will reach safely in to the *Tensioner* unit in accordance with product guidelines.
7. Cut cable to length.
8. Install *Swage/Swageless Tensioner* fitting to cable as per instructions. Connect *Tensioner* to *FrogLine End Anchor* top connection point (Ensure securing pin has been installed correctly).
9. Tension cable until the disc on the Tension Indicator can spin and indicates 80kg/8kn/800n.



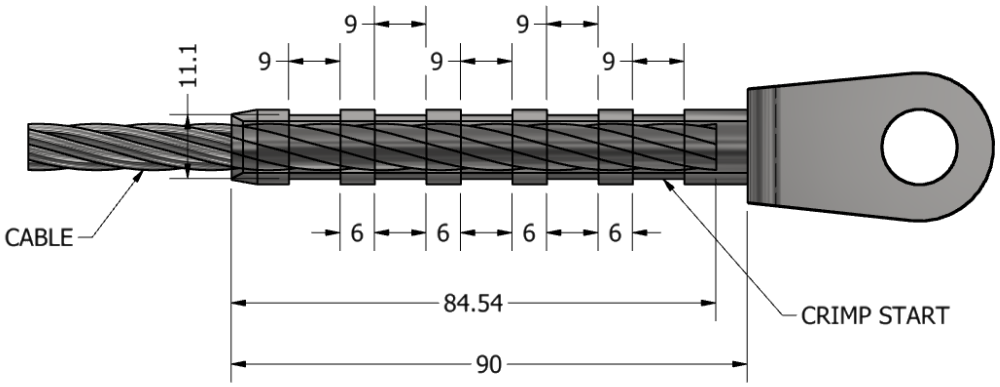
SafetyLink Pty Ltd | ABN 83 081 777 371 | Phone: +61 2 4964 1068 | Fax: +61 2 4964 1069
info@safetylink.com | www.safetylink.com

SAFETYLINK LIFELINE

CRIMPED FITTINGS



1. Insert the cable into the open end of the fitting to be swaged, mark the cable where the cable and the fitting meet. Remove the cable and check that the mark is at least 84mm from the cable end.



2. Re-insert the cable into the fitting to distance previously marked. Start swaging the fitting from the closed end as shown above. Continue to swage as indicated above 5 times, first swage is 6mm from the depth indicator.
3. Ensure that you can no longer see the mark that was made in Step 1. Check the crimped sections are within the allowable tolerances using Vemier Callipers. (Allowable tolerances = 11.10 + - 0.2mm).

IMPORTANT NOTES TO REMEMBER

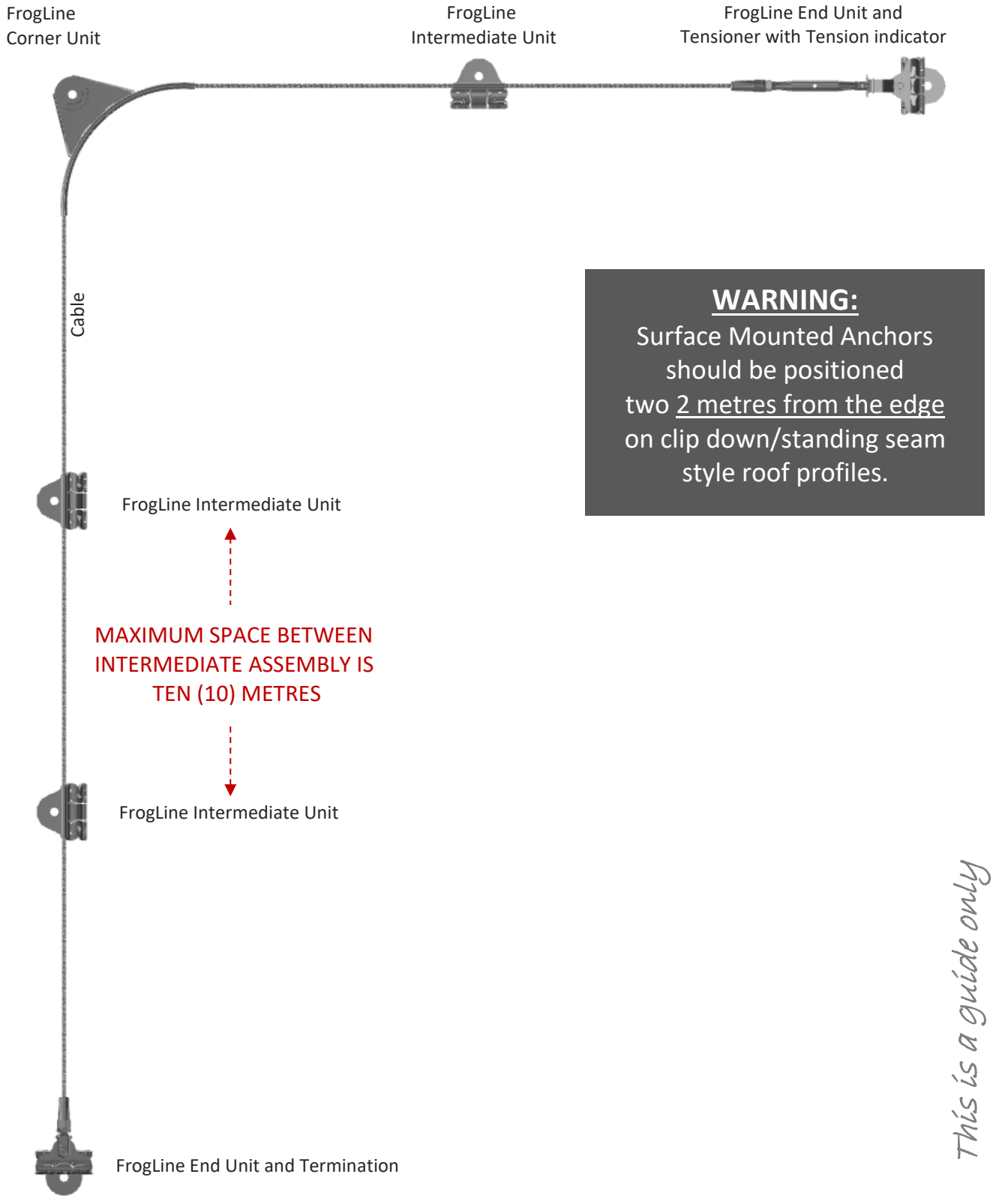
- ⚠ Ensure marked cable as indicated in step one is a minimum of 84mm.
- ⚠ Ensure all crimped sections (flat) are with 11.10mm, with a tolerance level of + or - 0.2mm. This distance should be the case of all 8mm 7 x 19 and 7 x 7 cable. The measurement should be taken with Vernier Callipers to ensure accuracy. If your measurements are outside the acceptable tolerance range this can be a sign of either a loss of pressure in your swaging tool or an indication that your dies are worn or incompatible. Any swaging that occurs outside the acceptable tolerances will need to be restarted using the appropriately amended tools.
- ⚠ When swaging the cable, the mark made in step 1 will disappear during the final swage due to the lengthening of the material during the swaging operation.
- ⚠ The swaged end has a mark indicating the end of the solid section of the unit and the start of the hollow section. Start swaging 6mm from the mark indicating the solid section.
- ⚠ When completed the swaged section should be a minimum of 80mm long. The dies are made with a 9mm wide section to crimp. These 9mm crimping sections need to completed 5 times, that is there will be five flat sections along the swaged end. In between each crimped section you need to maintain a distance of between 5 and 6mm.
- ⚠ **DO NOT** swage the solid section indicated by the mark on the unit this will damage the swaging tool and the dies. (Marking the swaging depth on the end to be swaged unit (84mm from the opening will help to avoid this). To do this, use Vernier Callipers, checking the maximum size and minimum size.

SafetyLink Pty Ltd | ABN 83 081 777 371 | Phone: +61 2 4964 1068 | Fax: +61 2 4964 1069
info@safetylink.com | www.safetylink.com

SAFETYLINK LIFELINE

EXAMPLE: HORIZONTAL LIFELINE ON PITCHES BELOW 25 DEGREES

All working at heights safety procedures must be complied with when installing SafetyLink height safety systems. For more information refer to your state or territories current legislation, regulations, policies and codes of practices. Horizontal height safety lifelines must only be installed and used by competent people with relevant current height safety qualifications.



WARNING:
Surface Mounted Anchors should be positioned two 2 metres from the edge on clip down/standing seam style roof profiles.

This is a guide only

SAFETYLINK HEIGHT SAFETY SYSTEMS MUST ONLY BE INSTALLED AS PER OUR INSTALLATION GUIDES, TO STRUCTURES AS SPECIFIED IN THE INSTALLATION MANUAL FOR EACH PRODUCT. SHOULD ANY DOUBT EXIST IN REGARD TO THE STRUCTURES INTEGRITY AN ENGINEER SHOULD BE CONSULTED.

SafetyLink Pty Ltd | ABN 83 081 777 371 | Phone: +61 2 4964 1068 | Fax: +61 2 4964 1069
info@safetylink.com | www.safetylink.com