

Cable and Swage Items

Cable

Five sizes of cable are offered for the Ultra-tec® cable railing system: 1/8", 3/16", 1/4", 5/16" and 3/8".

Cable construction: We recommend 1x19 construction, type 316 stainless steel cable for most applications. The 1x19 construction cable is stiff and engineered to hold static loads without stretching. Other cable constructions can be used (e.g. 7x7 or 7x19), but are not recommended due to their elevated levels of stretch and lower breaking strengths in comparison to the 1x19 construction cable.



CR4AS2

| Cable | Min. Breaking Strength | Stainless |
|-------|------------------------|-----------|
| 1/8" | 1,780 lbs | CR4AS2 |
| 3/16" | 4,000 lbs | CR6AS2 |
| 1/4" | 6,900 lbs | CR8AS2 |
| 5/16" | 10,600 lbs | CR10AS2 |
| 3/8" | 14,800 lbs | CR12AS2 |

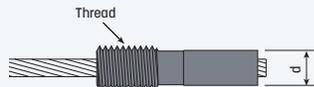
Swaging—attaching fittings to cable. Swaging is not required for swageless fittings since the hardware is attached to the cable by hand. Other Ultra-tec® hardware is swaged using hydraulic presses that apply up to 55 tons of pressure to swage the fittings. Ultra-tec portable swagers are available for purchase or rent, but in many cases the factory can supply cable with the fittings attached. Fittings cannot be properly swaged on 1x19 construction cable using other hand swagers.

Invisiware® Inside of Post Mount - Threaded Swaging Stud

This part is swaged onto the end of the cable and used with the Invisiware® Receiver. When used with the Invisiware Welded Receiver in a metal end post, it becomes a stop-end (non-tensioning end) fitting that is completely hidden inside the end post. The threaded surface is coated with a baked-on molybdenum-based dry film lubricant, to prevent the threads from binding when tensioned and in extreme environments.



CRS4



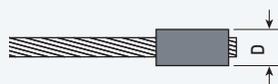
| Cable | Thread | d after Swaging | Stainless |
|-------|---------|-----------------|-----------|
| 1/8" | 5/16-24 | .250" | CRS4 |
| 3/16" | 5/16-24 | .250" | CRS6 |
| 1/4" | 7/16-20 | .375" | CRS8 |
| 5/16" | 9/16-18 | .500" | CRS10 |
| 3/8" | 9/16-18 | .500" | CRS12 |

Invisiware® Inside of Post Mount Swaging Ferrule

Stainless steel Invisiware® Swaging Ferrule is swaged into cable and used to retain an Adjust-A-Jaw®, Adjust-A-Body®, a fixed jaw or a hex head tensioner onto a piece of cable.



CRF4



| Cable | d after Swaging | Stainless |
|-------|-----------------|-----------|
| 1/8" | .250" | CRF4 |
| 3/16" | .250" | CRF6 |
| 1/4" | .375" | CRF8 |
| 5/16" | .500" | CRF10 |
| 3/8" | .500" | CRF12 |

Non Invisiware® - Inside of Post Mount Only Vertical Cable Threaded Hex Tensioner

Wagner's Hex Head Tensioner provides an economical alternative when installing straight vertical or horizontal cable assemblies and can be used in runs up to 5'. A standard ferrule is used as a cable stop to create a pre-swaged assembly that is then attached directly to a pre-threaded hole on a horizontal rail. Tensioner is not swaged on cable. Made with type 316 stainless steel.

| Cable | Thread | Drill Hole Size | Use with Ferrule No. | Stainless |
|-------|---------|-----------------|----------------------|-----------|
| 1/8" | 5/16-24 | .272" | CRF4 | CRHT6 |
| 3/16" | 5/16-24 | .272" | CRF6 | CRHT6 |



CRHT6

