

TRUE-TAPER XR

Maximize horizontal reach while maintaining performance levels and meeting strict weight requirements

Quality Tubing™ TRUE-TAPER™ XR is a new coiled tubing design optimization that allows for shorter taper sections to achieve better results for customers operating in extended-reach applications. The new TRUE-TAPER XR strip achieves a linear taper by gradually varying the thickness of the flat steel strip, reducing stress concentrations and bias welds while optimizing safety factors and strength-to-weight ratio.

The TRUE-TAPER XR enhancement has more precise string-weight distribution in the lateral, which allows customers to maintain higher performance levels with longer strings while meeting stricter weight requirements. In an early project, a TRUE-TAPER XR string design allowed a customer to reduce the number of tapered sections in their string from four to two; additionally, the total average length of the tapers was reduced by almost 65%.

Original vs XR Tapers

