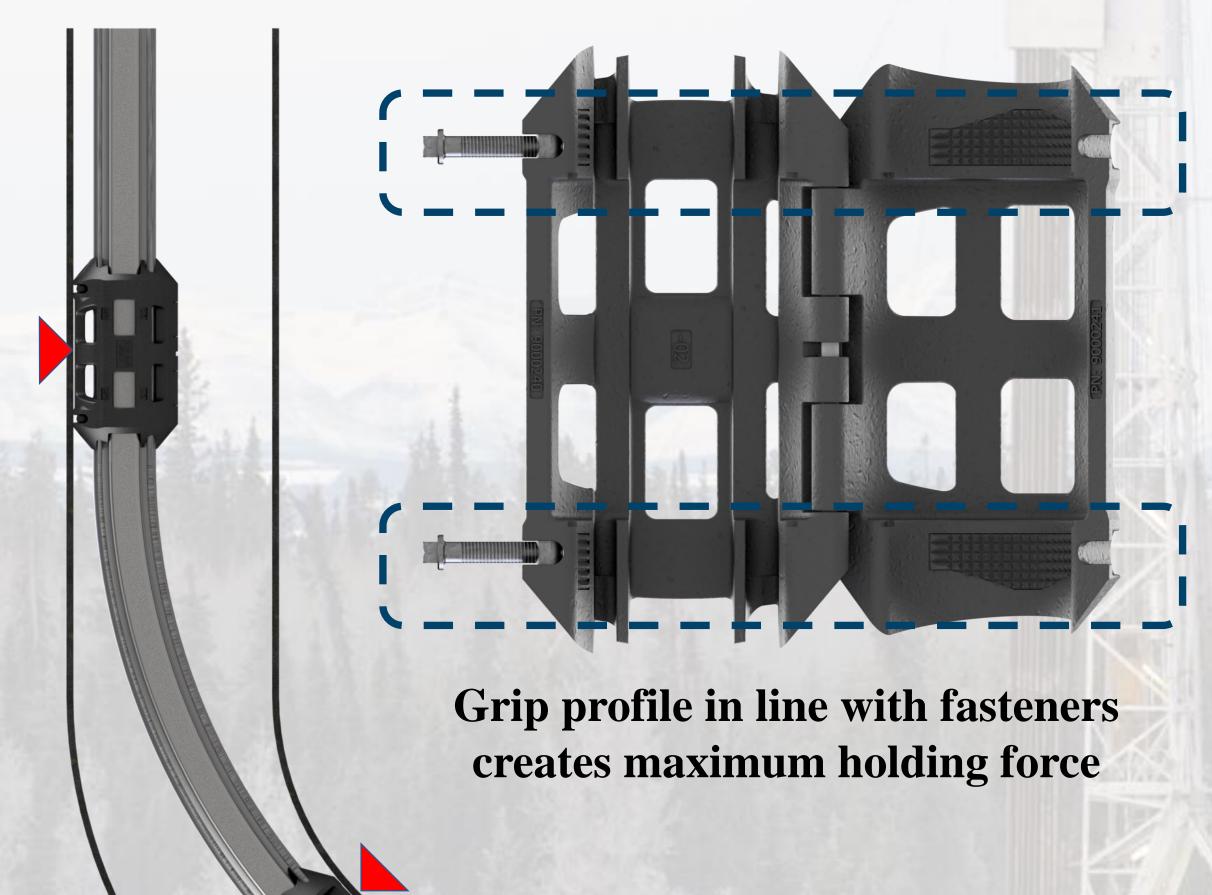


Wellbore deviations cause the production tubing to bend, pushing the tubing and cable against the casing. These forces can lead to high friction causing guards to slide and rotate damaging cables and capillary lines.





Blunt faces create high impact collision surfaces leading to hang-ups, cable damage and equipment lost in the wellbore



Tapered edges ride over obstructions such as casing upsets, separated connections & wellbore debris



High profile grip penetrates through scale, rust, paint and other debris

