

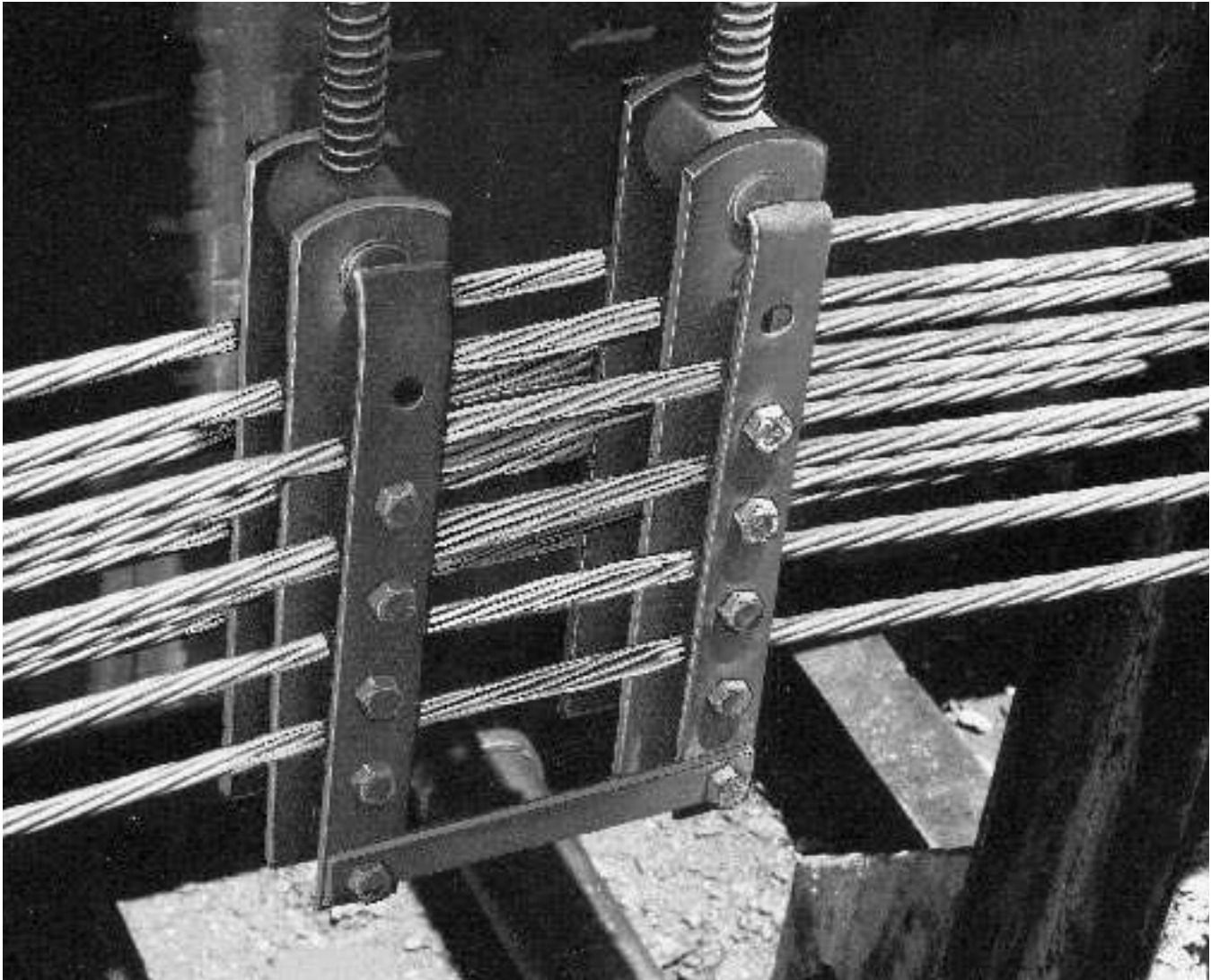
# Prestress Strand Restraining Devices



## Hold-up Applications

When strand retaining devices are to be used as 'hold-up' units, it is critical that a qualified person verify the loads that will be applied. Generally, the loads at hold-up points will be twice the loads that are to be applied to the hold-down units and require the use of two strand retaining devices to meet the safe working load requirements. Dayton Superior recommends that hold-up units be spaced at least 18" (450 mm) apart.

**Warning:** When strand retaining devices are used as a hold-up unit, they should be used only one time and then discarded. Reuse can result in fatigue and wear and result in unexpected failures. Dayton Superior does not recommend using a strand restraining device more than one time.



Typical 'Hold-up' Restraining Application