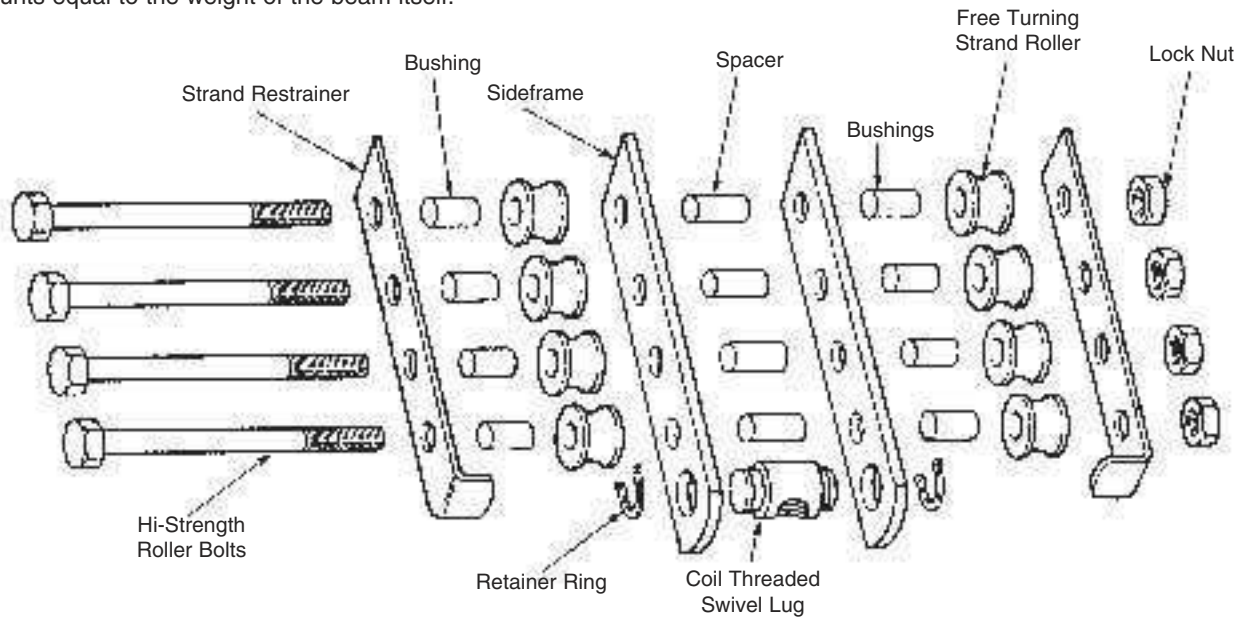
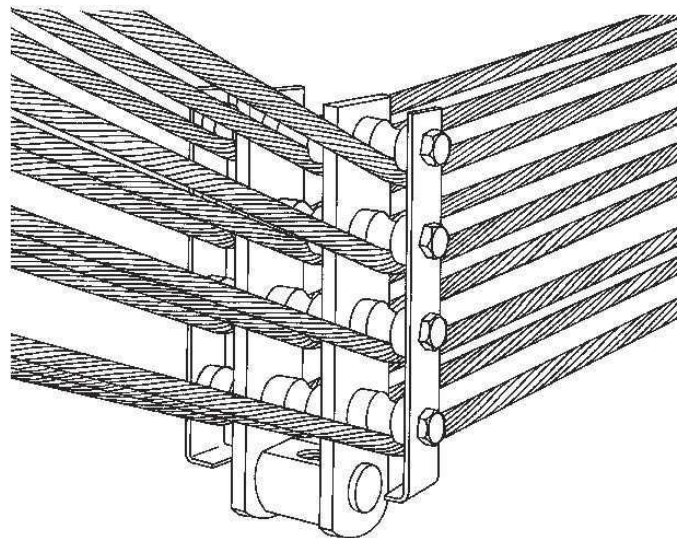


## Prestress Strand Restraining Devices

Since 1958 Dayton Superior has been working closely with prestressed concrete producers to develop and patent a most comprehensive line of restraining devices. The various designs are available to meet the many applications found in today's prestressed concrete industry. With Dayton Superior quality engineered and manufactured strand restraining devices deflecting part of the prestressing tendons a more favorable distribution of stresses within the prestressed beam can be obtained. The reduced tensile stresses at the concrete beam's ends can increase the load carrying capacity of the beam by amounts equal to the weight of the beam itself.



Exploded View of a Typical Strand Restraining Device



Typical Application of a Strand Restraining Device

**Warning:** Safe construction practice requires that all strand retaining device instructions, safe working loads and warnings/cautions be followed. Strand retaining devices are designed for a one-time use only. Using a unit as a hold-up and then reusing it as either a hold-up or hold-down may result in an unexpected failure.