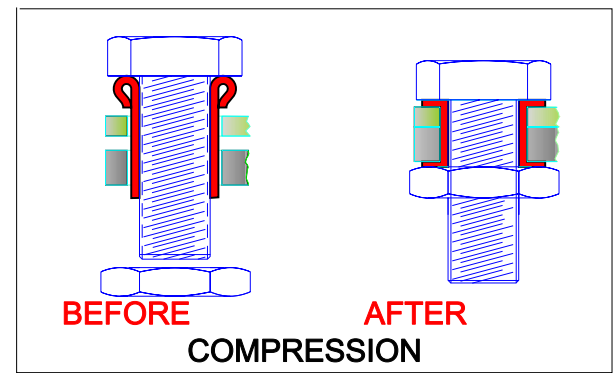


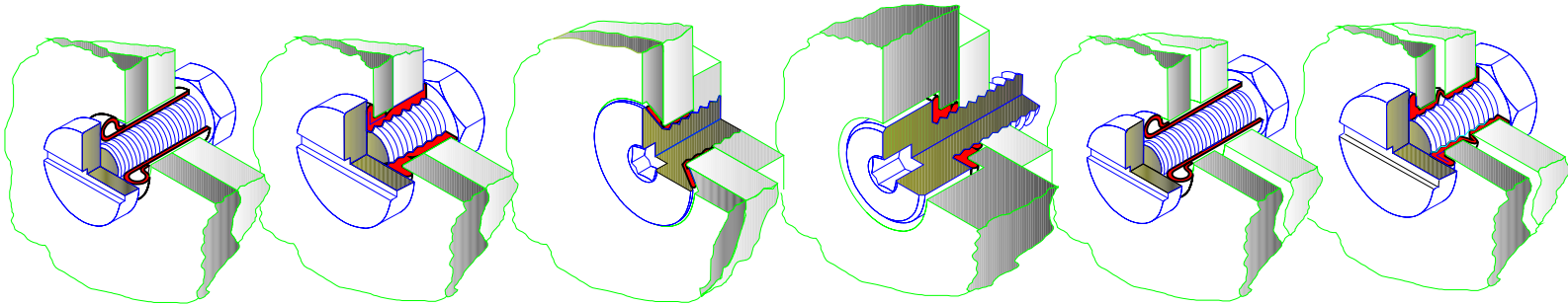
NYLTITE HEADED SLEEVE

(FASTENING APPLICATIONS)

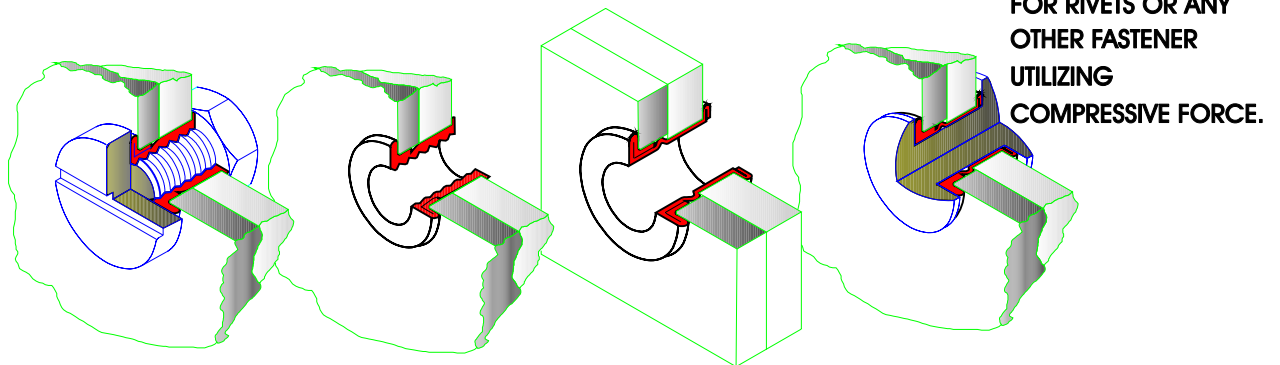
- * SEALING
- * NOISE REDUCTION
- * LOCKING
- * INSULATION
- * ISOLATION
- * SURFACE PROTECTION



HEADED SLEEVES HAVE A SHANK THAT IS LONG ENOUGH TO EXTEND FROM THE BOLT HEAD TO THE NUT (BEFORE THE NUT IS TIGHTENED). WHEN THE BOLT IS TIGHTENED, THE HEAD OF THE SLEEVE FLOWS INWARD INTO THE HOLE, INTO THE SCREW THREADS AND UNDER THE SCREW HEAD. THE SHANK OF THE SLEEVE FLOWS TO FILL THE CLEARANCE HOLE AROUND THE THREADS OF THE BOLT. THE EXCESS NYLON FLOWS AROUND AND UNDER THE NUT. THE FLOW IS UNDER EXTREME HIGH PRESSURE AND BECOMES AN INTEGRAL PART OF THE FASTENED JOINT.



REGARDLESS OF FASTENER TYPE OR HEAD STYLE, THE SAME HEADED SLEEVE FLOWS UNDER COMPRESSION TO FILL VOIDS UNDER THE HEAD AND DOWN THE SHANK OF THE SLEEVE. THE SAME PRINCIPLE APPLIES TO THE SURFACE UNDER THE NUT OR BETWEEN TWO PLATES BEING ASSEMBLED.



FOR RIVETS OR ANY OTHER FASTENER UTILIZING COMPRESSIVE FORCE.

THE NYLON ABSORBS VIBRATIONS AND REDUCES THE OVERALL NOISE LEVEL EMANATING FROM SHEET METAL STRUCTURES. ONCE THE NYLTITE HEADED SLEEVE HAS BEEN COLD-FORMED WITH A FASTENER, THE FASTENER CAN BE REMOVED AND THE NYLTITE SLEEVE WILL RETAIN ITS NEWLY ACQUIRED SHAPE AND APPEAR AS A NYLON GROMMET OR HOLLOW RIVET WITH OR WITHOUT INTERNAL THREADS, DEPENDING UPON THE FASTENER USED (RIVET OR SCREW).

APPLICATION IDEAS FOR NYLTITE PRODUCTS

"TELL US YOUR PROBLEM AND LET US SUGGEST THE SOLUTION"

- WHERE HOLES ARE ALREADY OVERSIZED WE CAN PROVIDE MORE NYLON ON THE SHANK TO FILL EXCESSIVE VOIDS. ON SHEET METAL APPLICATIONS WE MAY SUGGEST THAT A COUNTERSINK BE INCORPORATED IN THE HOLE PIERCING OPERATION.
- FOR APPLICATIONS DIFFICULT TO SEAL OR EVEN FOR GREATER SEAL ASSURANCE, A SLIGHT CHAMFER IN THE SCREW HOLE PROVIDES THE NYLON WITH A LEAD (OR A POCKET) IN WHICH TO FLOW. THIS BECOMES IMPORTANT WHEN SEALING IRREGULAR SURFACES OR WHERE BURRS, DIRT OR FILINGS MIGHT BE PRESENT.
- WHERE THE USE OF NYLON FOR A SEAL IS IMPORTANT AND WHERE METAL-TO-METAL CONTACT IS NECESSARY TO MAINTAIN HIGH CLAMP LOADS, REGULATING THE DEPTH AND QUANTITY OF NYLON WILL GIVE THE DESIRED RESULT.