CLAIMS

1. A system comprising:

a shank of a bolt, having an external thread formed to engage a pre-threaded internal thread in a nut member, wherein the external thread of the shank and the internal thread of the nut member have a same thread pitch and a same thread helix angle;

a lead entry point on the bolt, having a threaded entry point, wherein the threaded entry point has an entry point thread pitch higher in magnitude than the thread pitch of the shank and wherein the threaded entry point has an entry point helix angle higher in magnitude than the thread helix angle of the shank of the bolt;

wherein an outside diameter of the lead entry point is approximately below an inner thread diameter of the nut member; and

wherein the entry point thread pitch equals approximately 1.562 times the thread pitch.

2. A system comprising:

a shank of a bolt, having an external thread formed to engage a pre-threaded internal thread in a nut member, wherein the external thread of the shank and the internal thread of the nut member have a same thread pitch and a same thread helix angle;

a lead entry point on the bolt, having a threaded entry point, wherein the threaded entry point has an entry point thread pitch higher in magnitude than the thread pitch of the shank and wherein the threaded entry point has an entry point helix angle higher in magnitude than the thread helix angle of the shank of the bolt;

wherein an outside diameter of the lead entry point is approximately below an inner thread diameter of the nut member; and

wherein the entry point thread have a pitch that lies within the range of 1.4 to 1.6 times greater than the pitch of the body of the bolt threads.