In 1992, D. Joyce showed how to construct new hypercomplex and quaternionic manifolds starting from a known example, having enough symmetries, by "twisting" it with an appropriate principal bundle with suitable connection.

I will give a brief account of a result of G. Bor extending Joyce's idea to arbitrary G-structures with symmetry, bypassing the need of a twistor bundle.

As an example, starting from known deformations of the standard CR-structure on S^3 we will construct pseudo-convex CR-structures on circle bundles over S^2.