

Recommended Sequence for Drawing Optimization

1. Start with a drawing without any linear dimensions other than showing the features of size, C-bores, C-sinks and threads.
 - Removing the clutter will help clearly see the FCF's when applied and associated to DRF's
2. Specify key functional datum feature(s) and control the features with applicable FCF's. This will establish the core DRF
 - Datum symbols "must" be associated with (attached to) datum features or FCF's
3. Specify Position or Profile for all features or patterns of features and associate all of them to the core DRF.
 - Be very careful to not mix or reverse datum reference frames.
 - For the most part, all FCF's should be related to the same DRF
4. For Position callouts with projected tolerance zones be sure the specified distance is based on the max height of the pins (guide pins) or max thickness of matting parts
 - Be sure to use Fixed Fastener formula for all threads