

NK-cross-feed-large-dial-thrust-bearings

Does anybody have a bearing No for a substitute?

On SB part List it is Bearing AS841R1.

The bearings you need for the 9N-10K large dial Cross-feed Screw are 2 Boston Gear 17195's. I order them from MSC and the part number is 03548591.

This part no. is for a Bearing set, that includes one bearing and 2 thrust washers. You do need to remove material to retro-refit these bearings, as I believe this set has a stack thickness that is a 1/32 greater than the original SBL bearing set. That is a good thing, as it allows you to compensate for wear and re-install the bearing retainer sleeve in the same pin location by facing the front of gear pinion face and the mount bushing front bearing pocket. That allows you up to a 1/64 for each bearing seat area. It's a minor facing job and I do the final pre-loading of the bearings by facing the retainer sleeve to 0 backlash. On the Compound dial collar you can use an INA TC613 flat needle bearing and the matching INA TWA613 thrust washers.

The MSC part numbers for these are (1) 03380896 and (2) 03381068. These require stack fitting also. There is not a bearing retainer in the compound, so any lash left in the dial will transfer to the screw. You would fit the dial as you would the retainer sleeve, using the handle shoulder length to set bearing/dial clearance.

Steve Wells
