Bearing Support Configurations Used
To Create End Fixity

End Fixity (Bearing mount support configuration) This refers to the method by which the ends of the screws are supported. The end fixity describes the bearing configuration being used to support the rotational axis of the screw. End fixity combinations are determined as a result of critical speed, column loading, and system stiffness calculations. Fixed-Fixed supports provide the greatest support and Fixed-Free supports provide the least support.

SB - Simple single bearing support (no axial load)
DB - Simple double bearing support
FB - Fixed double bearing support

Least
Support

FIXED - (FB)   FREE

SIMPLE - (SB)   SIMPLE - (DB)

FIXED - (FB)   SIMPLE - (SB)

Greatest
Support

FIXED - (FB)   FIXED - (FB)