



The concept of using more than three points of contact for a primary datum would not work on a rigid part. The part would rock and repeatable measurements could not be obtained. Therefore, more than three targets to establish a datum plane should only be used when a restraint note is specified on the drawing.

UNLESS OTHERWISE SPECIFIED:  
GEOMETRIC TOLERANCES TO BE MEASURED IN A  
RESTRAINED STATE PER THE FOLLOWING

- PART TO BE RESTRAINED ON DATUM FEATURE **A**  
BY CLAMPING OVER EACH DATUM TARGET IN  
DIRECTION OF ARROW **F** WITH A FORCE OF 40-50KG  
PER CLAMP. CLAMP OVER DATUM **A1** FIRST, **A2**  
SECOND, **A3** THIRD, AND **A4** FOURTH.
- PART TO BE LOCATED WITH VIRTUAL CONDITION  
PINS ON DATUM FEATURES **B & C**.

### 11-1 Datum Targets on a Non-rigid Part