

Geometric Dimensioning and Tolerancing

Introduction: Geometric Dimensioning and Tolerancing, Maximum Material Condition, and Regardless of Feature Size

How to read a Feature Control Frame

Size Control Form: Rules, concepts, Characteristics, and Untoleranced Dimensions

Datums, The Maximum Material Condition symbol and its Ramifications, Relationship between Individual Feature's; Virtual Condition and Resultant condition Boundaries; Datum Feature of Size Representation; Form Controls; Orientation Controls; Profile; Run out; Location

A Logical Approach to part Tolerancing, Dimensioning and Tolerancing Schemes, Steps for the Development of a Dimensional Inspection Plan

Paper Gauging; Functional Gauging

References:

1. James D Meadows, Geometric Dimensioning and Tolerancing, Marcel Dekker, Inc
2. James D Meadows, Measurement of Geometric Tolerances in Manufacturing