

THREADING



THREADING INTRODUCTION

- Thread Dimensions
 - Major Diameter
 - Minor Diameter
 - Thread Pitch
 - Thread Pitch Diameter
 - Percent Of Thread
 - Thread Angle
 - Screw Lead
 - Thread Shape
 - Thread Tolerances & Allowances

EXTERNAL THREADS

- Hand Threading
 - Solid & Adjustable Dies
- Thread Turning
 - Full Profile Insert
 - Partial Profile Insert
 - Multi-Tooth Insert
 - Radial Infeed
 - Flank Infeed
 - Alternating Flank Infeed
 - Modified Flank Infeed
- Thread Chasing
- Thread Milling
 - Helical Interpolation
- Thread Grinding
- Thread Rolling
 - Flat Plate Rolling Process
 - Radial/Cylindrical Thread Rolling Process
 - Thread Rolling Attachments

INTERNAL THREADS

- The Tapping Operation
 - Tap Holders
 - Solid Taps
 - Tap Chamfer
 - Tap Flutes
 - Tap Rake
 - Forming Taps
- Manual Tapping
- Flexible Arms
- Tapping Machines
- Drill & Tap Centers
- Multi-Spindle Tapping
 - Floating Tap Heads
 - Rigid/Synchronous Tapping
 - Special Tapping Heads

THREAD QUALITY & VERIFICATION

- Levels of inspection
- Gages
- Mechanical Testing
- Non-Destructive Testing

REVIEW OF PROGRAM INFORMATION