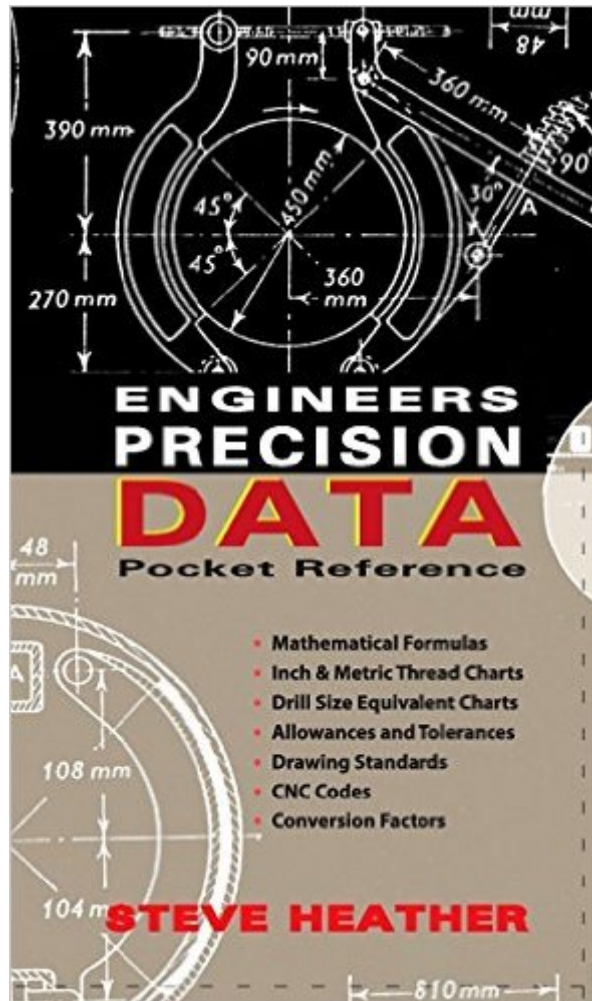


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Engineers Precision Data Pocket Reference



Synopsis

This book is spiral bound and opens out flat or folds back, making it very easy use while you work! A pocket-size reference that has all the fundamental data that engineers need in their daily work. Taping and drilling charts, hole coordinate charts with common sizes already worked out, speeds/feeds, material specs, drawing symbols and standards, CNC machine codes, plus much more. Ideal for mechanical, manufacturing, and design engineers, draftsmen, toolmakers, machinists, students, and hobbyists This is the right choice for you if you want a pocket reference that â | * Is compact, lightweight, easy-to-carry and really does fit in your pocket.* Contains the essential data you need practically every day, yet is uncluttered by extraneous information.* Is organized so you can easily locate the data you need very quickly.* Contains data not found in similar books, such as thread charts showing all effective sizes. CONTENTS MATHEMATICAL FORMULAS AND MEASUREMENT * Solution Of Right-Angled Triangles...1 * Solution Of Oblique-Angled Triangles.....2 * Areas & Dimensions Of Plane Figures.....3 * Volumes Of Solids.....6 * Distance Across Corners Of Hexagons & Squares....8 * Coordinates For Locating Equally Spaced Holes....9 * Sine Bar Calculations.....10 * Measuring Dovetail Slide....11 * Calculating Countersink & Spot Drill Depths.....12 * Speeds & Feeds For Milling, Drilling, & Turning.....13 * Allowances For Sheet Metal Bending....14 * Calculating Shearing Pressure For Blanking.....16 * Shear Strengths Of Materials For Blanking.....17 SCREW THREAD AND DRILL SIZE EQUIVALENT CHARTS * ISO Metric Coarse.....18 * ISO Metric Fine.....19 * UNC -Unified National Coarse...20 * UNF -Unified National Fine....21 * BA -British Association.....22 * BSW -British Standard Whitworth.....23 * BSF -British Standard Fine.....24 * BSP -British Standard Pipe....25 * BSPT -British Standard Pipe Taper.....26 * NPT -National Pipe Taper.....27 * Fluteless (Cold Forming) Threads - Tapping Drill Sizes.28 * Thread Repair Inserts - Tapping Drill Sizes.....29 * Fractional, Number, Letter, Metric & Decimal * Drill Size Equivalent Charts.....30 FASTENERS * Hexagon Socket Head Cap Screws....34 * Clearance Drill, Counterbore & Key Sizes For Inch Series..34 * Clearance Drill, Counterbore & Key Sizes For Metric Series...35 * Hexagon Socket Flat Countersunk Head Cap Screws.....36 * Clearance Drill, Countersink & Key Sizes For Inch Series....36 * Clearance Drill, Countersink & Key Sizes For Metric Series...37 * Machine & Set Screw Identification Chart...38 ALLOWANCES AND TOLERANCES * Terms Used For Preferred Fits On Holes & Shafts..39 * Selected ISO Fits Hole Basis.....40 * Clearance Fits....40 * Transition Fits.....42 * Interference Fits....43 PROPERTIES AND TESTING OF MATERIALS * Heat, Mass & Weight Of Elements.....44 * Hardness Comparison Table.....46 * Surface Texture.....48 DRAWING STANDARDS * Drawing Sheet Sizes - U.S. Customary Inch & ISO Metric.....49 * Line Types & Line Widths.....50 * ASME & ISO Orthographic

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