### ASA FLIGHT TRAINING

#### PILOT TEST PREP BOOKS

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#### FAA AMT HANDBOOKS

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### ASA FLIGHT TRAINING

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#### AMT TEXTBOOKS

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#### ASA AIRMAN KNOWLEDGE TESTING SUPPLEMENTS

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### PILOT TEXTBOOKS

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### PILOT GUIDES

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### FAA TEST FIGURES BOOKS

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### SPORT PILOT PRODUCTS

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Book............................................. P/N 13-04051 .......... $18.75

ASA PROFICIENT FLYING - THE VERY BEST OF BARRY SCHIFF DVD
Barry Schiff brings critical subjects to life in this 3-DVD set Barry Schiff needs no introduction. He’s known throughout the industry as a consummate aviator, author and educator with a passion for General Aviation like few others. His seemingly boundless experience and knowledge are surpassed only by his warm, rich writing style and unforgettable presentation techniques. In Proficient Flying Barry Schiff uses these educational skills to help pilots visualize techniques and procedures that can make them safer pilots. He brings critical subjects to life in this DVD series with more than 4 hours of instruction. Schiff’s knack for guiding pilots through intricate aspects of flying makes these lessons invaluable and memorable, giving viewers true insight and understanding of the subjects presented. ............................................. P/N 13-09006 .......... $29.50

BASIC AEROBATS
Introduces the basic building blocks of aerobatics - spins, rolls and loops - with a wealth of in-cockpit and from-the-ground views of each maneuver. This video is and indispensable aid to those considering a departure from straight and level. (54 min.) 6618A

P/N 13-04032 .......... $47.95

TAILWHEEL 101
Tailwheel: 101 will help you get there. This video is the premiere study guide for all pilots wishing to get their tailwheel endorsement, or for any tailwheel pilot who’d like to learn a thing or two from the most widely respected tailwheel expert in America, Damian DelGaudio. Ride along with Damian and his student Jill as they fly tailwheel aircraft. Each ground segment is immediately followed by its real-world airplane demonstration to reinforce the material and make pre-flight study sessions easy and efficient.

P/N 13-06023 .......... $49.95

LIVING IN THE AGE OF AIRPLANES BLU-RAY
Living in the Age of Airplanes offers a fresh perspective on a modern-day miracle that many of us take for granted: flying. Produced and directed by Brian J. Terwilliger (One Six Right), narrated by Harrison Ford and featuring an original score from Academy Award® winning composer James Horner (Avatar, Titanic), the film takes viewers to 18 countries across all seven continents to illuminate how airplanes have empowered a century of global connectedness our ancestors could never have imagined. ............................................. P/N 13-20180 .......... $29.95

DEEP INSIDE YOUR ROTAX
You can now see and understand what procedures are involved with the 150 and 300 hour inspection/ rebuild services. Alan points out the places carbon accumulates, where the common areas of wear occur, and other signs indicating the possibility of potential failures. The specialized Rotax engine tools are demonstrated as to their function in removing various internal components. Installation and maintenance tricks are also demonstrated and explained for the purpose of heading off future engine failures that can lead to disaster.

P/N 13-03070 .......... $34.95

ROTAX 912 INSTALLATION TIPS & TECHNIQUES
This presentation explains the most important details of preparing and installing th epopular Rotax 912 family of four stroke engines in your experimental homebuilt aircraft. This reliable, high performance engine will only perform safely if installed properly as specified by the Rotax installation guide. The important details in this guide are often misunderstood or even ignored completely resulting in catastrophic engine failures and dangerous flying situations.

P/N 13-04183 .......... $35.95

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AVIATION DVDS

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AVIATION DVDS

HOW TO LICENSE YOUR HOMEBUILT AIRCRAFT
This DVD will walk you through each step to successfully license your experimental amateur homebuilt aircraft. The actual FAA forms required are displayed on screen, and where to obtain them and how to fill them out. 

P/N 13-03609 ..............................................$29.95

HOMEBUILT HELP ELECTRICAL WIRING TUTORIAL
Explains and demonstrates the common procedures, tools and components required for the basic wiring of a homebuilt aircraft. Demonstrations of crimping, soldering, wire selection and wiring design with simple schematics that are applicable to a homebuilt electrical system. Video length is 1 hour and 20 minutes.

P/N13-03578 ..................$29.95

METALWORKING 101
Targeted to the beginning student of pop-riveted metal kit plane construction. Ideal for the person who is contemplating the undertaking of a metal kit plane project. Takes you thru the actual construction of a Zenith rudder, from start to finish. While it can be used to supplement the construction guide supplied by the manufacturer with this rudder (a CH701 or CH601), it is actually intended to demonstrate to the beginning builder just what tasks and skills are required. General metal building procedures are explained and demonstrated.

P/N 13-03369 ...............$28.95

WEIGHT & BALANCE 101 FOR HOMEBUILT
Completing a homebuilt requires you to calculate and document the weight & balance figures for your plane and present them to the inspector...and for many homebuilders this task is confusing and complicated -- however, this video makes this task simple and easy to understand. The video makes it easy for you to understand the concepts required to perform your own weight and balance analysis on your aircraft and then document the findings for the inspection process.

P/N 13-04184 ......................$32.95

AIRCRAFT STRUCTURAL TUBING
3 DVD Set Includes: -4130 Chromemoly Airframe Construction (2 DVD set) - Repairing Structural Tubing. The 4130 DVD: Three EAA Technical Counselors (over 60 years' total experience) show you the procedures necessary to construct a complete airframe from plans. 

P/N 13-13051 ...............$98.90

REPAIRING STRUCTURAL TUBING
This class teaches measuring, geometry, straightening, cutting fishmouths, fitting, splicing, and welding to repair some fuselage damage. A fine companion to our full-length 2-DVD series, 4130 Chromemoly Airframe Construction.

P/N 13-13044 ..................$55.95

SKYWARD TECH

AIRCRAFT ENGINE REBUILDING
De-mystify the overhaul procedures on selected Continental & Lycoming engines. Videos begin with a dismantled engine, show the crankshaft being mounted on a stand and then proceed through complete assembly. These videos effectively present the step-by-step procedures of re-assembly.

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SCRATCH BUILDING BASICS FOR METAL AIRCRAFT
An excellent way to determine if building a homebuilt aircraft from scratch is right for you... you will obtain a full understanding of the trials, tribulations, joys and successes that this type of building process entails. You can’t watch these guys at work and not learn something that might change the way you think about the process and people that build their own planes from scratch! Approximately 3.5 hours in length and is divided into 10 video chapters to make navigation and review of desired sections fast and easy. The DVD set includes web links to plans for building your own sheet metal brake and other tools used in this video (you can print the plans on your printer).

P/N 13-04185 ..................$38.95

RV-12 EMPENNAGE TAILCONE
This double disk DVD is the first in a series of videos being developed to cover the entire build process for the Van’s RV-12 aircraft. It covers the complete empennage/tailcone kit as supplied by Van’s Aircraft. It is a great starting place to begin your project – there are no prerequisite assemblies that need to be completed before starting. All in the exact sequence of building as specified by the construction manual. Approximately 2.5 hours (longer if you want to follow along) is divided into various video chapters to make navigation and review of desired sections fast and easy. They are completing production on the subsequent volumes of the RV-12 build (that are also sequenced to the sub-kits as provided by Van’s Aircraft).

P/N 13-13048 ..............$48.85

RV RUDDER WORKSHOP
This instructional video has 2 major sections: The first section contains an overview and demonstration of the tools and techniques that are required for building an RV aircraft. These specialized building techniques center around riveting with solid rivets - essential for the RV aircraft. Many specialized tools are required for this type of construction and are discussed and demonstrated. Techniques that are shown include: dimpling, countersinking, deburring, drilling, back riveting and pop riveting. A full discussion of the types of rivets that are used along with their important characteristics is included in this first section of the video. The tools for measuring proper rivet setting (rivet gauges) are shown and demonstrated. Some of the tools that are featured include: hand squeezer, air hammer, pneumatic rivet gun, universal rivet sets, dimple dies, back rivet sets, scotch-brite polishing wheel and deburring tools.

P/N 13-04791 .................$31.50

BASIC FABRIC COVERING DVD
Aircraft Fabric Covering is a must for anyone who wants to cover their own airplane. This 2-hour comprehensive video presents every aspect of Poly-Fiber™ fabric covering process in detail, and in easy-to-understand language. From preparing the airplane for covering to spraying on the color coats, you are guided step by step through the entire process by a professional EAA SportAir fabric instructor. When used in conjunction with the Poly-Fiber manual, Aircraft Fabric Covering removes the mystery surrounding this important process in the construction or restoration of your airplane. Information covered includes: • Preparing surfaces • Attaching the fabric • Tightening the fabric • Applying the first coat of Poly-Brash • Tying rib-lacing knots • Applying finishing tapes • Spraying UV-blocking chemical, Poly-Spray • Applying the color coats.

P/N 13-40428 ..............$39.95

EAA HINTS FOR HOMEBUILDERS - SHEET METAL - VOLUME 2
Since inception in 2008 EAA’s instructional how-to video series has been viewed online several million times. Incorporating some of the more popular segments, first time aircraft builders, or multi-project veterans will find useful hints, tips, and techniques on this DVD. Approximate Run Time: 93 minutes.

P/N 13-21975 ..............$14.95

GAS WELDING - CHROMOLY
EAA – the authority on home built aircraft – presents the definitive how-to introduction (oxy-acetylene) welding. For the home builder working with chromoly tubing, gas welding provides an effective, reliable, and affordable way to weld. Whether you’re a first-time builder or a multi-project veteran, this is the video for you. Earl Luce, an EAA SportAir Workshops gas welding instructor, is an expert on gas welding. He has welded more than 20 fuselages and is the man behind the Wittman Buttercup plans. Earl brings his wealth of experience in building aircraft with gas welding to you in this comprehensive, one-hour video.

P/N 13-21972 ..............$36.95

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from their experiences in WWII, to aerobatics, to aircraft design, to racing, and more. ............................................. P/N 13-21971 ........... $9.99

TIMELESS VOICES OF AVIATION
Now you can watch Timeless Voices in your own home. This DVD, a compilation of personal histories featured in the EAA AirVenture Museum, includes 23 fascinating interviews with participants of EAA’s oral history project—Timeless Voices of Aviation. The production is the perfect blend of historical footage and timeless interviews highlighting stories of the past 100 years of powered flight. Jump into the cockpit with aviators of all backgrounds as they discuss topics ranging from WWII, to aerobatics, to aircraft design, to racing, and more. ............................................. P/N 13-21973 ........... $12.99

BUILDING THE RUTAN COMPOSITES
This step-by-step instructional program features Burt Rutan and Mike Melvill proceeding through the complete foam-epoxy-fiberglass composite construction procedure as used on the Vari-Eze, Long-EZ, Quickie, Q2, Dragonfly, Sea Hawk, POLLwagon and other composite aircraft. Also included is a formation flight by the Long-EZ, Defiant and VariViggen. A must for all composite aircraft builders. 1hr, 36 mins. DVD............ P/N 13-04809 ........... $26.95

EAA SHEET METAL BASICS DVD
This new instructional video will provide you the basics of sheet metal application needed to build any metal kit aircraft. EAA SportAir Workshops instructor Mark Forss will walk you through the terminology, tools, and techniques required to build the aircraft of your dreams. Mark has taught hundreds of EAA members how to successfully build with sheet metal, and now you can learn those same skills at your own pace and in the comfort of your own home. DVD............ P/N 13-18211 ......... $32.95

EAA TIG WELDING CHROMOLY DVD
"Mr. TIG™, Wyatt Swaim, is known throughout the world as a leading expert on TIG welding. The author of numerous articles on high technology welding, Wyatt is dedicated to training others to the level of Aerospace TIG Welding. Wyatt conducts advanced training seminars for EAA SportAir Workshops, motorsports teams, and is part of the task force TIG welding team at the Indianapolis 500. He is a regular TIG Welding instructor at EAA AirVenture Oshkosh. Now Wyatt brings his more than 30 years experience directly to you in this comprehensive approximately 1hr, 36 mins. DVD............ P/N 13-18210 ........... $32.95

FROM THE GROUND UP VOL 1-13
EAA, in conjunction with Discovery Channel International, presents all 13 episodes of the television series From the Ground Up on 3 DVDs. TV’s first how-to aviation program. Enter the exciting world of airplane building and restoration. DVD............ P/N 13-07442 ........... $59.99

STEWART SYSTEMS 6 DVD SET FABRIC COVERING, METAL AND OTHER SUBSTRATE PREP, MIXING PAINT AND PAINTING
6 Disc, Stewart Systems, Combination Package Covering & Painting Videos. Most everything you need to know about our covering system, including complete information using the Stewart Systems Covering Process. It includes product application, painting instructions, STC and more. Well over 2 hours of video. DVD............ P/N 13-09411 ........... $28.90

4130 CHROMOLY AIRFRAME CONSTRUCTION
This video is highly recommended for anyone considering a steel tube fuselage aircraft. It covers the whole process: Workload, welding, rod selection, jigging, fitting, and welding. (Note: The discussions and advice are almost exclusively about oxyacetylene welding. TIG, GTAW, is mentioned only in passing.) DVD............ P/N 13-04375 . . . . . . $76.95

RUDDER FUNDAMENTALS
Using ground school and film clips from the air, Rudder Fundamentals offers a unique and valuable presentation of the second fundamental; the recognition and control of yaw. You will: Learn to control adverse, P-factor and gyroscopic yaw. Master the Dutch roll, the rudder-nudge stick and rudder intake technique of cross controlled rudder and aileron to perform a plethora, of aerial maneuvers. DVD............ P/N 13-12925 ........... $19.95

FLYING SINGLE PILOT IFR
If you fly single pilot IFR, this video is for you. Explains the risks involved and how to minimize them. Explores equipment requirement, organization, getting real time weather, staying ahead of the airplane, copilot selection and situational awareness. (60 min) DVD............ P/N 13-23890 ........... $32.95

How to Get a Flight Review
Recommended for anyone preparing for a flight review. Covers the relevant areas of FAR 61.56 and what you need to know for the flight review. Includes the new airspace & weather reporting changes. (50 min) DVD............ P/N 13-23880 ........... $32.95

STALL, UPSET, AND SPIN RECOVERY
Are you anxious during slow flight and stalls because you are apprehensive about spins? Do not fear the spin; understand it. Spins are just another thing airplanes do, and you should train for spin recovery. Proper spin training begins with an introduction to stall and unusual attitude recovery. You need to understand that a heavy hand or misuse of the controls, during an unusual attitude, can stall the wing and begin a spin event. ............................................. P/N 13-11864 ........... $19.95

ONE SIX RIGHT
Experience an exhilarating documentary film that celebrates the unsung hero of aviation – the airport operator. By tracing the life, history, and struggles of an airport icon: Southern California’s Van Nuys Airport. Featuring thrilling aerial photography and a sweeping original score, the film dispels common misconceptions and opposes criticism of General Aviation airports. Through the love story of one airport, past to present, the film shares the timeless romance of flying with all ages. 75 minutes. Plays world wide on any NTSC DVD player. DVD............ P/N 13-04571 ........... $19.95
Blu-Ray............ P/N 13-19618 ........... $31.50

ICARUS ENVY THE LURE OF LIGHT SPORT FLYING
Hour-long documentary film about light sport aviation. It is shot almost entirely in Wisconsin, and provides a thrilling introduction to the world of low and slow flying. Breathtaking flying scenes from both the ground and in the air, even on skis and floats, are beautifully orchestrated to an evocative music soundtrack. DVD............ P/N 13-12898 ........... $19.95

THE COMPLETE AIRLINE PILOT INTERVIEW COURSE
This DVD from Flightdeck Consulting has been produced and developed by airline pilots for airline pilots. This DVD includes: Eight Virtual Interviews to help you perfect your interview technique. Access to the “Airline Pilot Interview Work Booklet”, an essential tool covering all aspects of your interview including psychometric testing, simulator check ride and panel interview. Simulator Assessment Guide. Psychometric Testing information. Complimentary Email Support from professional airline interview consultants. Make an investment in your future and be “The Standout Candidate” at your interview........ P/N 13-08754 ........... $69.00

GETTING STARTED IN AEROBATICS
Produced in co-operation with the International Aerobatic Club. Getting Started in Aerobatics is a valuable introduction to the dynamic world of aerobatics. During the course of this program, you’ll hear six legendary aerobatics pilots relate their years of experience and address topics and address the benefits of aerobatics, its history and background, training options, selecting the right instructor and equipment, and more. You’ll also experience the thrill of an aerobatics flight at the renowned Pompano Air Center. (55 minutes)............ P/N 13-40505 ........... $14.95

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#### LENGTH EQUIVALENTS

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<th>Unit</th>
<th>Millimeters</th>
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#### WEIGHT EQUIVALENTS

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<th>Pounds (Avdp)</th>
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<th>Cubic Meters</th>
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<th>Cubic Meters (Long)</th>
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#### AREA EQUIVALENTS

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#### WEIGHTS

<table>
<thead>
<tr>
<th>Unit</th>
<th>Grams</th>
<th>Ounces (Troy)</th>
<th>Ounces (Avdp)</th>
<th>Pounds (Avdp)</th>
<th>Kilo-grams</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Gram</td>
<td>15.4324</td>
<td>1.03215</td>
<td>.035274</td>
<td>.006289</td>
<td>.002205</td>
</tr>
<tr>
<td>1 Ounce (Troy)</td>
<td>480</td>
<td>31.1035</td>
<td>1</td>
<td>.010971</td>
<td>.083333</td>
</tr>
<tr>
<td>1 Ounce (Avdp)</td>
<td>437.5</td>
<td>28.3495</td>
<td>111458</td>
<td>1.07955</td>
<td>.085717</td>
</tr>
<tr>
<td>1 Pound (Troy)</td>
<td>5760</td>
<td>373.242</td>
<td>12</td>
<td>13.1657</td>
<td>822857</td>
</tr>
<tr>
<td>1 Pound (Avdp)</td>
<td>7000</td>
<td>453.592</td>
<td>14.5633</td>
<td>16</td>
<td>1.12528</td>
</tr>
<tr>
<td>1 Kilogram</td>
<td>15,432.4</td>
<td>2520.46</td>
<td>.321504</td>
<td>35.72406</td>
<td>2.20462</td>
</tr>
</tbody>
</table>

#### Metric System

<table>
<thead>
<tr>
<th>Unit</th>
<th>Value</th>
<th>Multiply By</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Meter (m)</td>
<td>=</td>
<td>10 (decimeters dm)</td>
</tr>
<tr>
<td>1 Dekameter (dkm)</td>
<td>=</td>
<td>100 centimeters cm</td>
</tr>
<tr>
<td>1 Hectometer (hm)</td>
<td>=</td>
<td>100 meters m</td>
</tr>
<tr>
<td>1 Kilometer (km)</td>
<td>=</td>
<td>1000 meters m</td>
</tr>
</tbody>
</table>

#### Volume and Capacity

<table>
<thead>
<tr>
<th>Unit</th>
<th>Value</th>
<th>Multiply By</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cubic decimeter dm3</td>
<td>=</td>
<td>10 deciliters dl</td>
</tr>
<tr>
<td>1 Centiliter (cl)</td>
<td>=</td>
<td>100 milliliters ml</td>
</tr>
<tr>
<td>1 Cubic centimeter cm3 or cc</td>
<td>=</td>
<td>1,000 cubic centimeters</td>
</tr>
<tr>
<td>1 Milliliter (ml)</td>
<td>=</td>
<td>1 liter l</td>
</tr>
<tr>
<td>1 Milliliter (ml)</td>
<td>=</td>
<td>1 liter l</td>
</tr>
<tr>
<td>1 Cubic meter (m3)</td>
<td>=</td>
<td>1,000 liters l</td>
</tr>
<tr>
<td>1 Cubic meter (m3)</td>
<td>=</td>
<td>1 liter l</td>
</tr>
</tbody>
</table>

#### ANS/M O-RING RINGS

The AN6227B, AN6230B and MS28775 O-Rings have the same composition. For use in aircraft hydraulic systems using MIL-H-5606 petroleum base hydraulic fluid. See AN6227B/MS28775 Equivalents AN6227B/MS28775 Equivalents

### Miscellaneous Liquid Measure Conversions

<table>
<thead>
<tr>
<th>Unit</th>
<th>Value</th>
<th>Multiply By</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Fl. Oz.</td>
<td>= 1.805 Cu. In</td>
<td></td>
</tr>
<tr>
<td>1 Quart</td>
<td>= 946 Cu. Cm</td>
<td></td>
</tr>
<tr>
<td>1 Fl. Oz.</td>
<td>= 29.6 Cu. Cm</td>
<td>8 Pints</td>
</tr>
<tr>
<td>1 Pint</td>
<td>= 16 Fl. Oz.</td>
<td>4 Quarts</td>
</tr>
<tr>
<td>1 Quart</td>
<td>= 32 Fl. Oz.</td>
<td>9 Gallons</td>
</tr>
<tr>
<td>1 Quart</td>
<td>= 2 Pints</td>
<td>1 Hoghead = 63 Gallons</td>
</tr>
</tbody>
</table>
### MILLIMETERS CONVERTED TO INCH DEGREES

<table>
<thead>
<tr>
<th>Millimeters</th>
<th>INCH EQUIVALENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00000</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.03937</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.07874</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.11811</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.15748</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.19685</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.23622</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.27559</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.3150</td>
<td>0.00000</td>
</tr>
<tr>
<td>0.35438</td>
<td>0.00000</td>
</tr>
</tbody>
</table>

### FRACTIONAL INCHES CONVERTED TO DECIMAL MILLIMETERS

<table>
<thead>
<tr>
<th>Fraction of Inch</th>
<th>Decimal Inch</th>
<th>Decimal MM.</th>
<th>Fraction of Inch</th>
<th>Decimal Inch</th>
<th>Decimal MM.</th>
<th>Fraction of Inch</th>
<th>Decimal Inch</th>
<th>Decimal MM.</th>
<th>Fraction of Inch</th>
<th>Decimal Inch</th>
<th>Decimal MM.</th>
<th>Fraction of Inch</th>
<th>Decimal Inch</th>
<th>Decimal MM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/64</td>
<td>.015625</td>
<td>0.39688</td>
<td>1/64</td>
<td>.015625</td>
<td>0.39688</td>
<td>1/64</td>
<td>.015625</td>
<td>0.39688</td>
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<td>0.39688</td>
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<td>0.39688</td>
</tr>
<tr>
<td>1/32</td>
<td>.03125</td>
<td>0.79375</td>
<td>1/32</td>
<td>.03125</td>
<td>0.79375</td>
<td>1/32</td>
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<td>0.79375</td>
<td>1/32</td>
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<tr>
<td>3/64</td>
<td>.046875</td>
<td>1.19063</td>
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<td>1.19063</td>
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</tr>
<tr>
<td>11/64</td>
<td>.1875</td>
<td>4.76251</td>
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<td>4.76251</td>
</tr>
<tr>
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<td>7/32</td>
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<td>7/32</td>
<td>.28125</td>
<td>7.03125</td>
<td>7/32</td>
<td>.28125</td>
<td>7.03125</td>
<td>7/32</td>
<td>.28125</td>
<td>7.03125</td>
</tr>
<tr>
<td>15/64</td>
<td>.34375</td>
<td>8.4375</td>
<td>15/64</td>
<td>.34375</td>
<td>8.4375</td>
<td>15/64</td>
<td>.34375</td>
<td>8.4375</td>
<td>15/64</td>
<td>.34375</td>
<td>8.4375</td>
<td>15/64</td>
<td>.34375</td>
<td>8.4375</td>
</tr>
</tbody>
</table>