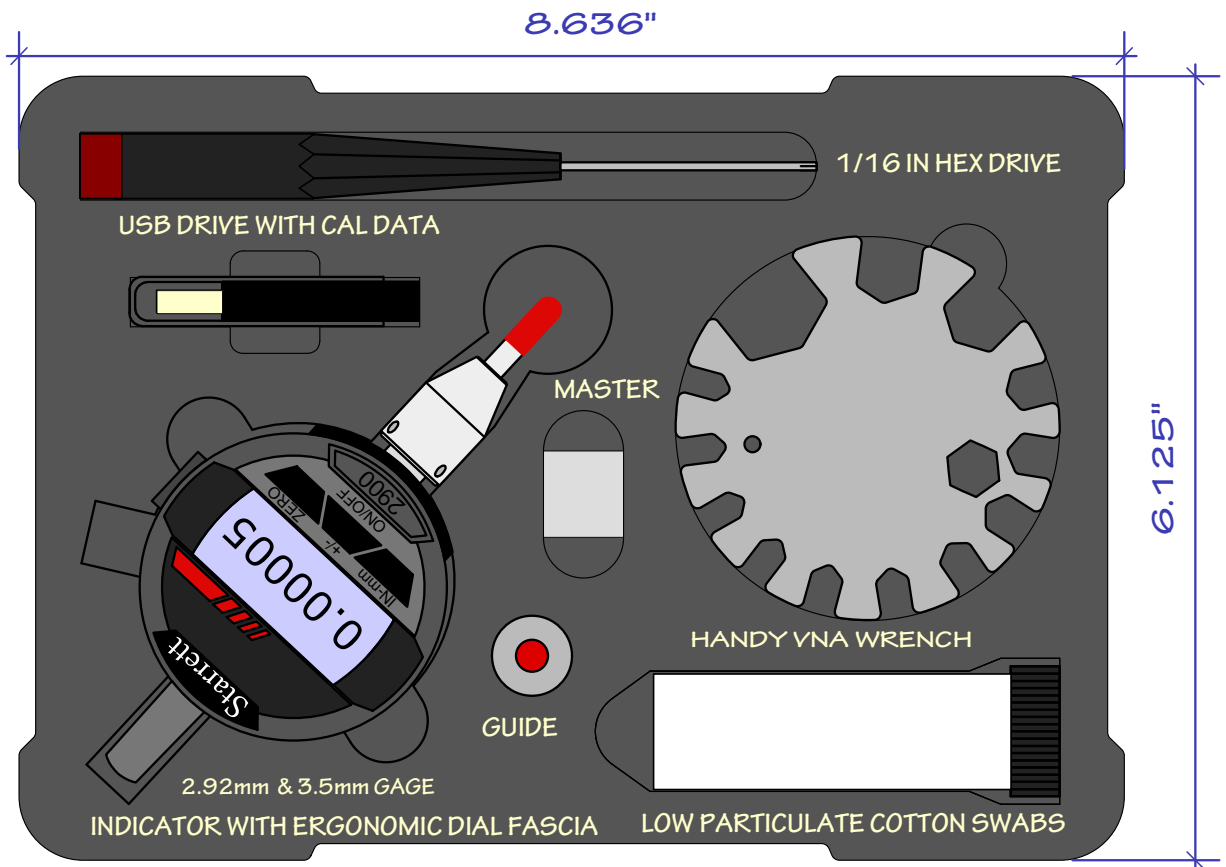


N	
SMA	
3.5	X
K	X
2.4	
1.85	

ACCURACY:
+/- .00012
RESOLUTION:
.00005



PAT. PEND. 61986978, 61868548, 61986822

OVERVIEW: PRECISION GAGE KIT FOR THE DIMENSIONAL GAGING OF MALE AND FEMALE MICROWAVE COMPONENTS. THE INSTRUMENT'S DESIGN ELIMINATES THE REQUIREMENT FOR A SECOND GAGE AND/OR BUSHING ORDER TO ACCOMMODATE THE OPPOSITE GENDER. ADVANTAGEOUSLY, ONE MASTER GAGE IS USED FOR ALL STANDARDS INCLUDING MIL-STD-348, MIL-C-39012 AND IEEE287, THEREBY ELIMINATING THE PROCUREMENT REQUIREMENT OF MULTIPLE MASTERS.

BENEFITS:

- ~ GUIDED BUSHING DESIGN ELIMINATES TORQUE REQUIREMENT AND ASSOCIATED TORQUE UNCERTAINTY;
- ~ HIGH PERFORMANCE ANALOG AND DIGITAL STARRETT METERS WITH 0.00005 INCH RESOLUTION;
- ~ CERTIFIED ACCURACY OF 0.00012 INCHES (DIGITAL) AND 0.0001 (ANALOG);
- ~ SINGLE FLAT SURFACE MASTER GAGE FOR THE ELIMINATION OF FEATURE SIZE UNCERTAINTY;
- ~ EXPEDITED GAGING OF BOTH 2.92mm AND 3.5mm MALE AND FEMALE CONNECTORS;
- ~ INCLUDED ISO-17025 TRACEABLE STARRETT CALIBRATION AND CERTIFICATION ;
- ~ INCLUDED USB DRIVE WITH GAGE APPLICATION FOR COMPARING GAGED VALUE TO COMMON STANDARDS;
- ~ INCLUDED 25 SHARP & DENSE POINT, SMALL SIZE, EXTREMELY LOW LINTING, STATIC FREE SWABS;
- ~ INCLUDED CRM72 TOOL STEEL HEX DRIVER WITH ROCKWELL 50-61 HARDNESS & CORROSION FREE FINISH.
- ~ INCLUDED ONE STAINLESS HANDI WRENCH MATCHING COMMON MICROWAVE ADAPTER AF DIMENSIONS;
- ~ INSTRUMENT BACKS AND FASCIA WITH STANDARDS REQUIREMENTS AND INTERFACE METRICS.
- ~ INCLUDED ONE WATER PROOF AND CRUSH PROOF NK-7 RESIN CASE WITH STAINLESS STEEL POWER CLAW LATCHING SYSTEM AND VAPOR RELEASE VALVE , 10.2LX7.8WX4.5H INCHES EXTERIOR DIMENSIONS.

GENERAL SPECIFICATION

- ~SURFACE FINISH OF Ra4 - Ra16 ON WORKING SLIDABLE SURFACE; BETTER THAN Ra32 IN REGIONS OF NON-CONTACT.
- ~MASTER GAGE FINISH OF Ra 8 OR BETTER.
- ~PRECISION SWISS TURNED AND MILLED STAINLESS STEEL.
- ~CRITICAL TOLERANCES OF 0.0005.
- ~CERTIFIED DIAL ACCURACY OF +/- 0.0001 ANALOG & DIGITAL
- ~BUSHINGS AND MASTERS ELECTROPOLISHED PER ASTM B912.
- ~STAINLESS 6-32 SET SCREWS [X3] WITH ASME B18.3 ROCKWELL C28 HARDNESS.
- ~DIAL FASCIA AND DIAL BACKS WITH STANDARDS DELINATION.

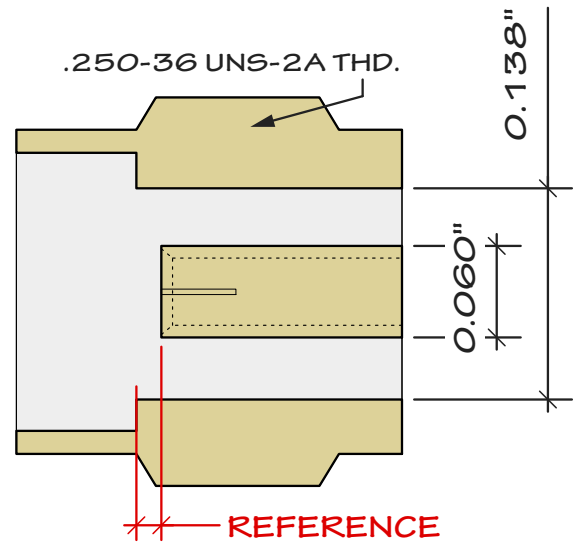
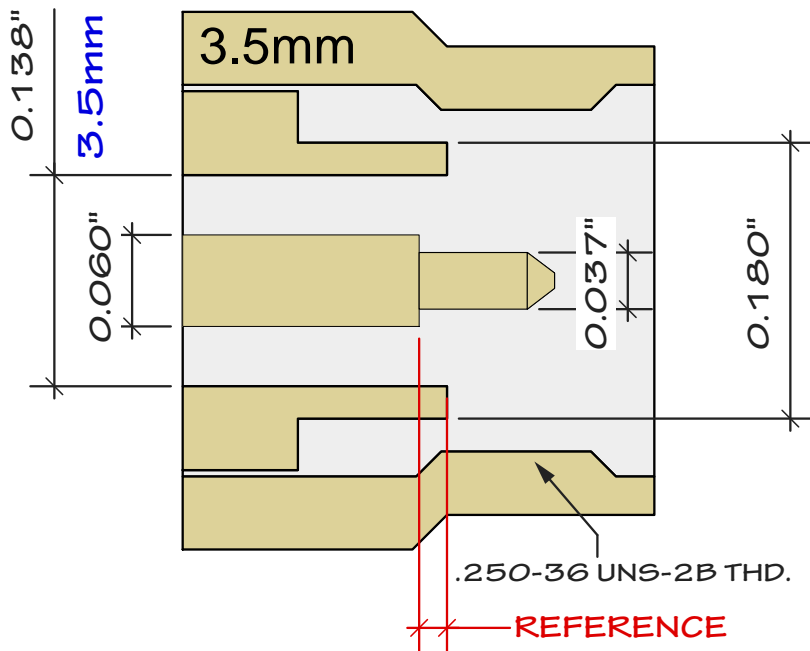
WARRANTY

ALL VM MICROWAVE GAGES COME WITH A ONE YEAR WARRANTY ON THE INDICATOR AND A 10 YEAR WARRANTY ON ALL STAINLESS COMPONENTS.

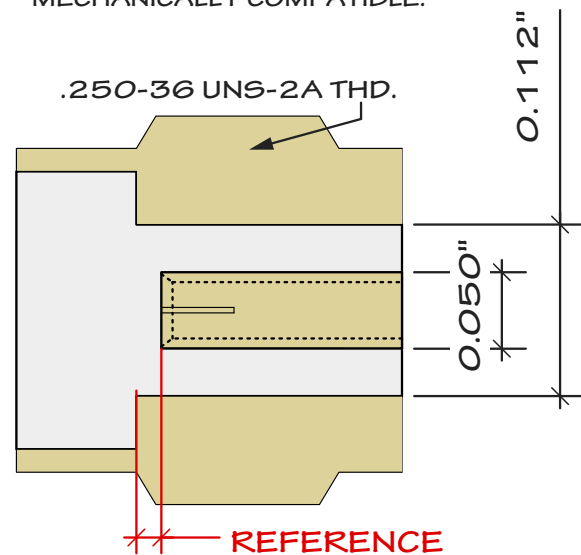
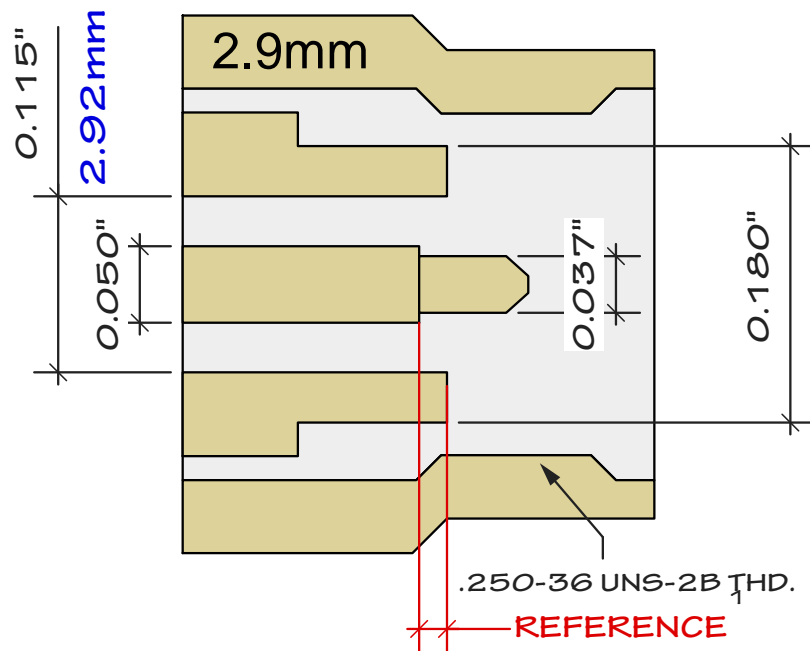
PRECISION GAGE KITS
2.92mm & 3.5mm DATUM

MALE & FEMALE

Velocity Microwave ~ div. ATX Labs
www.velocitymicrowave.com



NOTE: 3.5mm AND 2.92mm ARE ELECTRICALLY AND MECHANICALLY COMPATIBLE.



NOTE: ALL OF THE ABOVE DIMENSIONS ARE NOMINAL; AS MACHINED, EACH WILL HAVE A TOLERANCE.

NOTES:

- [1] ALL PIN TO REFERENCE PLANE DIMENSIONS ARE IN RECESSON;
- [2] MIL-STD-348 CROSSES TO MIL-C-39012;
- [3] PROCESSION IS NONCONFORMING RELATIVE TO ALL STANDARDS.

COMMON FEATURE/ REFERENCE PLANE RECESSON

IEEE287LPC: -0.0005 MAX
IEEE287GPC: -0.002 MAX
MIL-STD-348B ² : -0.005 MAX
ORDINARY PRECISION: -0.003 MAX

GENERAL SPECIFICATION

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WARRANTY

ALL VM MICROWAVE GAGES COME WITH A ONE YEAR WARRANTY ON THE INDICATOR AND A 10 YEAR WARRANTY ON ALL STAINLESS COMPONENTS.

PRECISION GAGE KITS
2.92mm & 3.5mm **DATUM**

MALE & FEMALE

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WHY THE VM PRECISION GAGE IS DIFFERENT

1. TAPERED BUSHING DESIGN FOR GREATER FEEL & VISIBILITY.

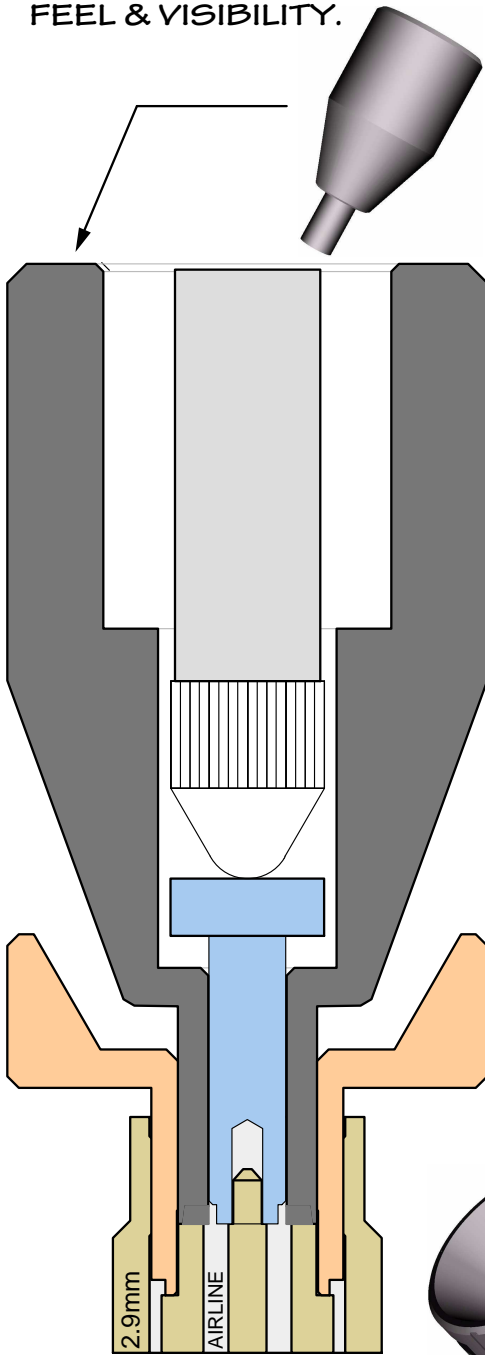
2. ENHANCED ERGONOMIC DIAL FASCIA ON BEST OF BREED INDICATOR FOR FOOLPROOF, PRECISION GAGING.

3. STANDARDS GUIDE ON REAR OF INDICATOR.

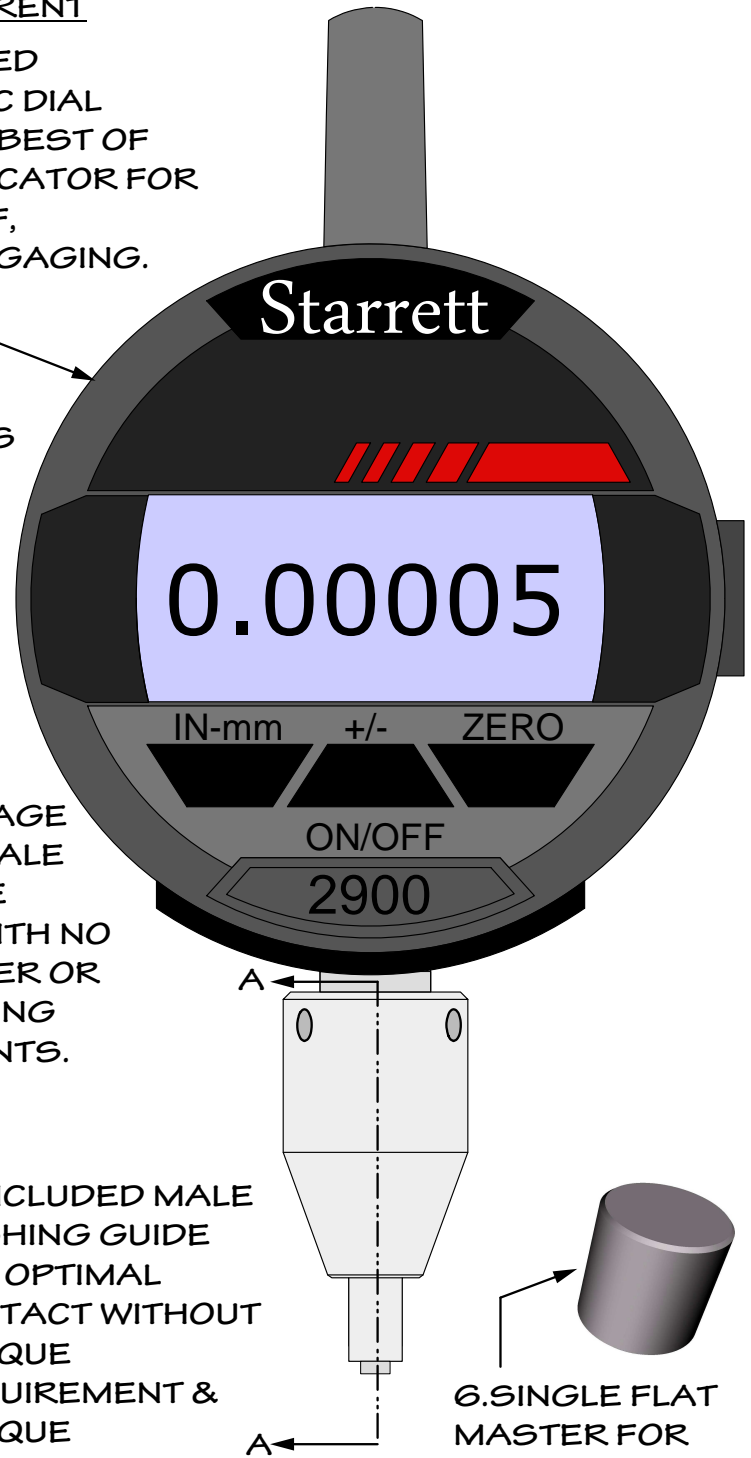
4. SINGLE GAGE FOR BOTH MALE AND FEMALE GENDERS WITH NO CHANGE-OVER OR RE-MASTERING REQUIREMENTS.

5. INCLUDED MALE BUSHING GUIDE FOR OPTIMAL CONTACT WITHOUT TORQUE REQUIREMENT & TORQUE UNCERTAINTY.

6. SINGLE FLAT MASTER FOR ERROR FREE ZERO SETTING.



SECTION A-A
[MALE CONNECTOR SHOWN]



GENERAL SPECIFICATION

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- ~CRITICAL TOLERANCES OF 0.0005.
- ~CERTIFIED DIAL ACCURACY OF +/- 0.0001 ANALOG & DIGITAL
- ~BUSHINGS AND MASTERS ELECTROPOLISHED PER ASTM B912.
- ~STAINLESS 6-32 SET SCREWS [X3] WITH ASME B18.3 ROCKWELL C28 HARDNESS.
- ~DIAL FASCIA AND DIAL BACKS WITH STANDARDS DELINATION.

WARRANTY

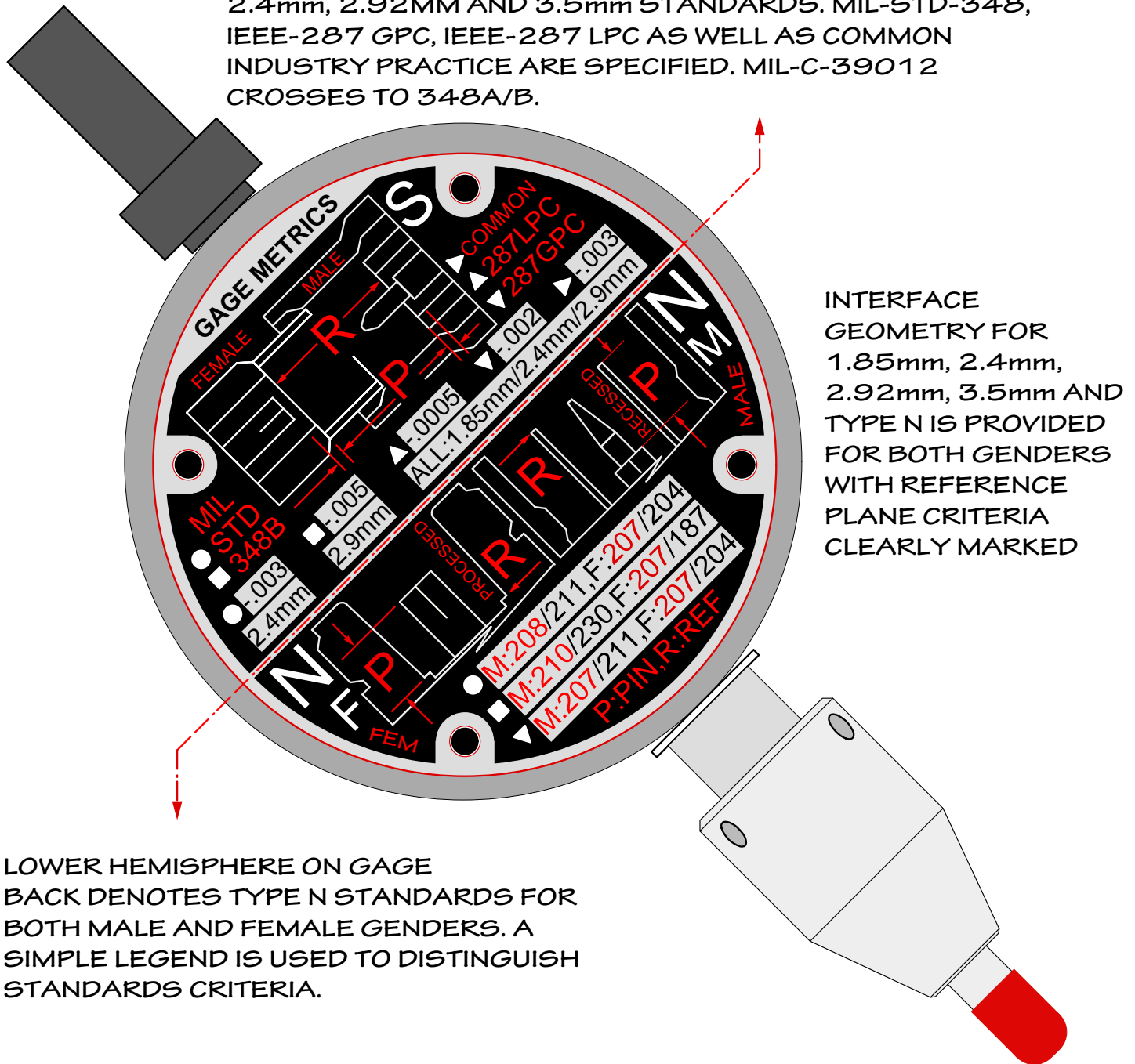
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PRECISION GAGE KITS
2.92mm & 3.5mm ^{DATUM}

MALE & FEMALE

Velocity Microwave ~ div. ATX Labs
www.velocitymicrowave.com

UPPER HEMISPHERE ON GAGE BACK DENOTES 1.85mm, 2.4mm, 2.92mm AND 3.5mm STANDARDS. MIL-STD-348, IEEE-287 GPC, IEEE-287 LPC AS WELL AS COMMON INDUSTRY PRACTICE ARE SPECIFIED. MIL-C-39012 CROSSES TO 348A/B.



LOWER HEMISPHERE ON GAGE BACK DENOTES TYPE N STANDARDS FOR BOTH MALE AND FEMALE GENDERS. A SIMPLE LEGEND IS USED TO DISTINGUISH STANDARDS CRITERIA.

TYPE N & 1.85mm/2.4mm/2.92mm 3.5mm GAGE BACK

GENERAL SPECIFICATION

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- ~PRECISION SWISS TURNED AND MILLED STAINLESS STEEL.
- ~CRITICAL TOLERANCES OF 0.0005.
- ~CERTIFIED DIAL ACCURACY OF +/- 0.0001 ANALOG & DIGITAL
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WARRANTY

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PRECISION GAGE KITS
2.92mm & 3.5mm DATUM

MALE & FEMALE

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