

## How to Read the HazProof® Date Code Mark

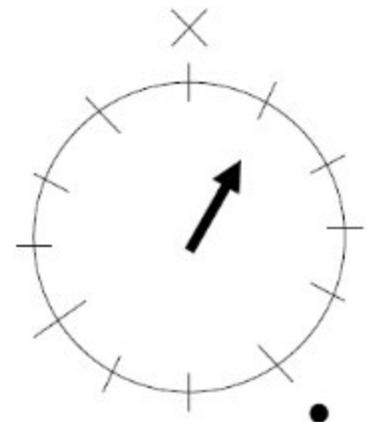
Tingley HazProof boots have a 10-year shelf life from date of manufacture when recommended storage practices are followed. Expiration date is based on direct customer feedback and testing of samples collected that were known to be more than 10 years old.

The date code marking is located on the outsole of the boot.

- The design is intended to act as a 'clock' with two chronological functions defining the date of manufacture.
- The 'X' indicates the orientation of the date code. When reading the date code be sure that the 'X' is oriented to the 12 o'clock position.
- The arrow in the center indicates the month of the year, with January designated in the 1:00 o'clock position.
- The dot on the outside perimeter indicates the last digit of a 10 year cycle, starting with 1 in the 1:00 o'clock position and continuing clockwise to 0 at the 10:00 o'clock position.

**Note:** Since there are only 10 years in a decade and 12 digits on a clock, the 11 o'clock and 12 o'clock positions are not used as "Year" indicators.

Representation of the Date Code Mark



In the example above, the indicated date of manufacture is January 2015.

## Additional Information to More Accurately Date the HazProof® Boots

The date code on HazProof boots works on a 10 year cycle and references only the final two digits of the year. Therefore, the date clock alone cannot adequately distinguish between say 2002, 2012, or 2022. However, the HazProof boots have always been labeled (on the side panel) with a host of other information. There were also design changes to the boot that occurred many, many years ago. All together, these sources of information can be used to narrow the dating and allow end users to identify a specific month and year of manufacture.

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Use the American Society for Testing and Materials (ASTM) and the National Fire Protection Association (NFPA) timeframes detailed below along with the printed information on the side of the HazProof boots to accurately date the boots.

- On March 1, 2005, the ANSI Z41 reference was withdrawn and replaced by the ASTM F2413 Standard:
  - Therefore, Hazproof Boots with an ANSI Z41 label were made prior to 2005.
  - NOTE: As of January 2024, any boots marked with ANSI Z41 are well beyond our specified 10-year shelf life.
- The NFPA 1991 was revised in 2005 and again in 2016. NFPA labeling on the side panel of the boots requires the use of all four digits for the revision year. For example, NFPA 1991-2005 or NFPA 1991-2016:
  - Therefore, Hazproof Boots with a NFPA 1991-2005 label were made between 2005 and December 31, 2015.
  - NOTE: Hazproof Boots with a NFPA 1991-2016 label were made in 2016 or afterward.
- In 2022, the NFPA decided to combine several standards, including the NFPA 1991, into a single new standard designated NFPA 1990-2022:
  - Therefore, Hazproof Boots with a NFPA 1990-2022 label were made starting in the second half of 2022.
- The ASTM F2413 was revised in 2005, 2011, and most recently in 2018. The ASTM labeling on the side panel of the boots only requires use of the last two digits of the year. For example, ASTM F2413-05 references the 2005 revision.
  - Therefore, Hazproof Boots with an ASTM F2413-05 label were made between 2005 and 2011.
  - Therefore, Hazproof Boots with an ASTM F2413-11 label were made between 2011 and 2018.
  - Therefore, Hazproof Boots with an ASTM F2413-18 label were made in 2018 or afterward.

If you have questions after reviewing this information, please feel free to call Tingley Customer Service at 1-800-631-5498.