

Proposed ASME Code Revision Record #18-1099

Based on 2019 Edition language (approved in records 17-718 and 18-402)

(~~Crossed~~ for any deletions & underlined for new language)

Red ink changes for consideration in Ballot #19-1799RC1

Revise BPVC, Section III, Division 2 as follows:

CC-2442.3.1 Lot Testing

For each lot of 3,000 wedges (not wedge segments) or for each heat-treatment batch, whichever is smaller, manufacturers shall perform the following tests and certify compliance with the minimum requirements of Article CC-2000 and the design documents.

- (a) Five percent of wedge segments shall be visually inspected for dimensions and surface defects.
- (b) Two percent of wedge segments shall be checked for surface hardness.
- (c) One percent of wedges shall be checked for dimensional compliance.
- (d) Three cut and polished wedge segments shall be tested using microindentation hardness tests made with Knoop or Vickers indenters as per ASTM E384 to determine case hardening depth, case hardness, and core hardness. The measurement of case hardening depth, case hardness, and core hardness shall be done using the same measurement method in a similar way as that given in ASTM B934. The serration profile shall be checked for dimensional compliance.

Revise BPVC, Section III, Subsection NCA, Table NCA-7100-3 as follows:

| Standard ID | Published Title | Section III Referenced Edition |
|------------------|---|--------------------------------|
| <u>ASTM B934</u> | <u>Standard Test Method for Effective Case Depth of Ferrous Powder Metallurgy (PM) Parts Using Microindentation Hardness Measurements</u> | <u>2015</u> |