

Technical Requirements for

FASTENER, METAL, NON-SHARP EDGES

PRODUCT SPECIFICATIONS

- Material: Metal
- The fasteners shall be free from burrs, sharp or rough edges or corners.
- It shall be clean and free from any defects that may affect its appearance or serviceability.
- Thickness: Base with Prongs and Compressor (min.): 0.30mm
- Width:
 - Compressor (min.): 9mm
 - Base (min.): 9mm
 - Prongs (min.): 4.5mm
- The distance between the two holes shall be 70mm (± 0.5 mm) center-to-center.
- Able to hold 25mm thick of Multipurpose Paper (70gsm)
- With prongs forming an integral part of the base
- Shall pass Bend Test
- Shall pass Corrosion Resistance Test

EVIDENCE AND VERIFICATION

- **Documentary Evidence to be submitted during Post-qualification:**
 - Valid test report from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center.
 - Bend Test
 - Shall show no evidence of fracture
- **A Confirmatory Test during delivery** from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center
 - Valid test report showing compliance to the following parameters:
 - Bend Test
 - Shall show no evidence of fracture

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- **In-House Test:**

- Material: Metal
- The fasteners shall be free from burrs, sharp or rough edges or corners.
- It shall be clean and free from any defects that may affect its appearance or serviceability.
- Determine the thickness by using a digital Vernier Caliper:
 - Base with Prongs and Compressor (min.): 0.30mm
- Determine the width by using a steel ruler:
 - Compressor (min.): 9mm
 - Base (min.): 9mm
 - Prongs (min.): 4.5mm
 - The distance between the two holes shall be 70mm (± 0.5 mm) center-to-center.
- Able to hold 25mm thick of Multipurpose Paper (70gsm)
- With prongs forming an integral part of the base
- Corrosion Resistance Test:
 - Immerse the fastener for five (5) hours in 5% sodium chloride solution. Thereafter, take out the fastener and place on a table without drying its surface. Let it rest for one (1) hour. No rust shall develop on the fastener surface after one (1) hour.

- Procedure for making 5% Sodium Chloride Solution:

- Weigh five (5) grams of sodium chloride. Pour it into a graduated cylinder or volumetric flask containing about 80 ml of water. Once the sodium chloride has dissolved completely (swirl the container gently if necessary), add water to bring the volume up to the final 100 ml. *Do not simply measure 100ml of water and add 5g of sodium chloride for this will introduce error because adding solid will change the final volume of the solution and throw off the final percentage.*

- No rust shall develop on the fastener when tested in accordance with the Corrosion Resistance Test.

- One (1) box with marking/labeling shall be provided by the bidder during the submission of additional post-qualification documents for verification of the product specifications.

PACKAGING

- Fifty (50) sets per box
Ten (10) boxes per pack or Standard packaging of the manufacturer.
- Additional Requirement on Packaging, refer to the attached Annex "A"

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MARKING/LABELING

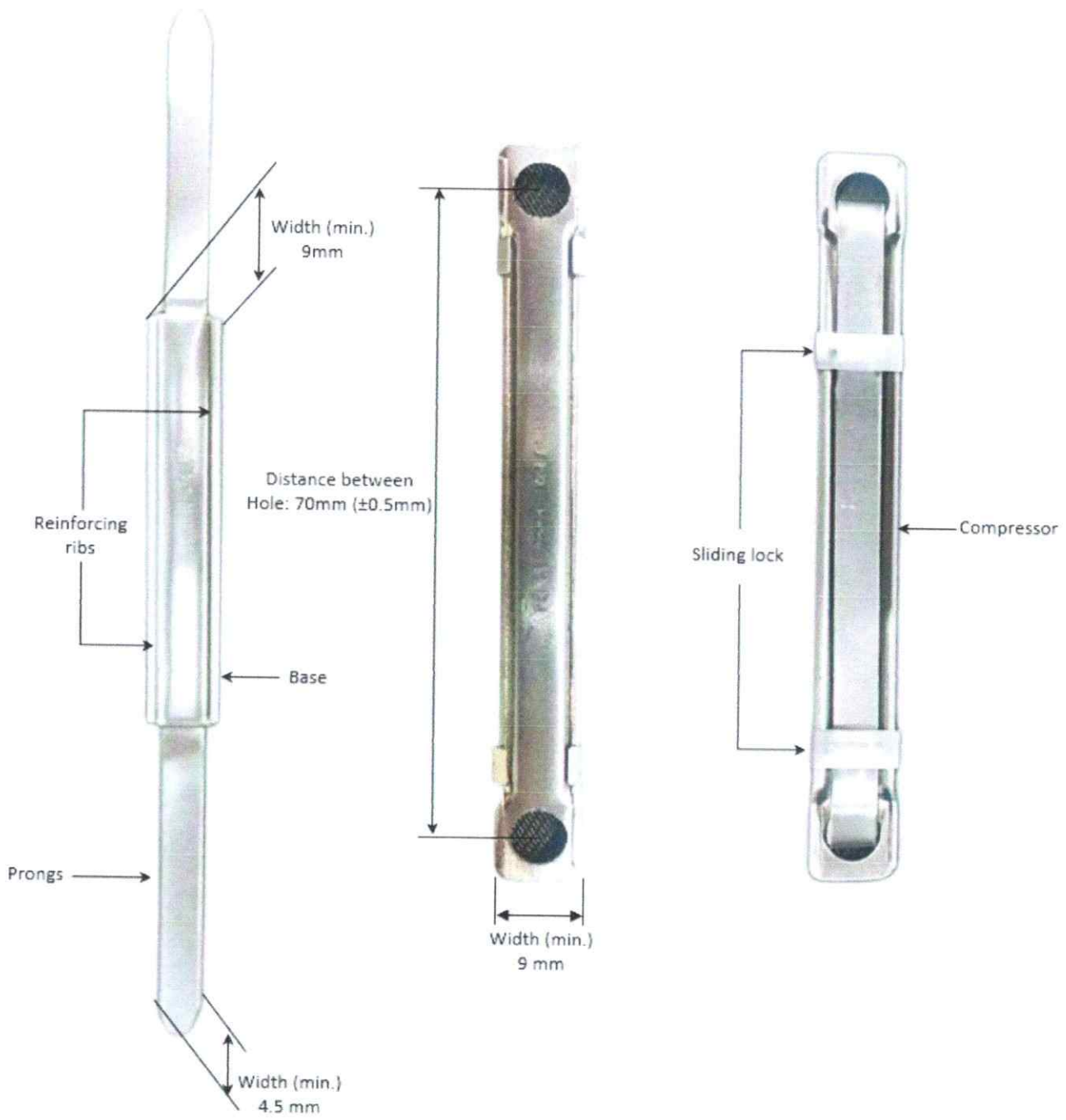
- Shall conform with the minimum Marking and Labeling Requirements under Article 77 of Republic Act 7394 (Consumer Act of the Philippines) whichever is/are applicable among those requirements to this item.

REFERENCES

- *PNS 235:2011 for the Product Specifications, Workmanship and Bend Test*
- *PNS 1162:2008 for the Corrosion Resistance Test*

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ILLUSTRATION



4 Technical Requirements for Fastener, Metal, Non-sharp edges

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