# 442 Horseshoe Shim Washers

# 443 Horseshoe Shims (steel)

SECTION 04 00 00 MASONRY

Section 04 05 23 Masonry Accessories

Section 04 05 19.16 Masonry Anchors

Section 04 05 19.29 Stone Anchors

**PART 1: GENERAL**

 1.1 RELATED SECTIONS

 A. Provide shop drawings for all product locations.

 1.2 SUBMITTALS

 A. Manufacturer Certificate of Compliance for materials.

 B. Product Data: Manufacturer’s data sheet on each type of product furnished.

**PART 2: MANUFACTURER**

 2.1 MANUFACTURER

 Acceptable Manufacturer:

 Heckmann Building Products

 110 Richards Ave.

 Norwalk, CT 06854-1685

 800-621-4140

 Email: info@heckmannanchors.com

 Website: [www.heckmannanchors.com](http://www.heckmannanchors.com)

* 1. APPLICATIONS

2.2 APPLICATIONS

 A. Provide anchoring systems that comply with the Building Code Requirements for Masonry Structures TMS 402-16.

 B. ASTM A 36/A36M-14 Standard Specification for Carbon Structural Steel.

 C. ASTM A1008/A1008M Sheet Metal Anchors and Ties (Plain Steel)

 D. ASTM A153/A153M-16 Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

 E. Stainless Steel AISI [Type 304] [or] [Type 316]

 F. ASTM A240/A240M-15b Standard Specification for Chromium and Chromium- Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Application.

 G. ASTM A666-15 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

H. ASTM A653/A653M-11 Standard Specification for Steel Sheet, Zinc-Coated (Mill Galvanized)

I.ASTM D638 – Standard Specification for Tensile Properties of Plastics.

J. ASTM D695 – Standard Specification for Compressive Properties of Rigid Plastics.

2.3 MATERIALS

1. **NO. 442 HORSESHOE SHIM WASHERS**

|  |  |  |
| --- | --- | --- |
| Number | Shim Size | Bolt Size |
| 442-14 | 1/4” x 1-1/2” x 2” | 1/2" |
| 442-16 | 1/16” x 1-1/2” x 2” | 1/2" |
| 442-18 | 1/8” x 1-1/2” x 2” | 1/2” |
| 442-24 | 1/4" x 2-5/16” x 3” | 3/4" |
| 442-26 | 1/16” x 2-5/16” x 3” | 3/4" |
| 442-28 | 1/8” x 2-5/16” x 3” | 3/4" |
| 442-34 | 1/4" x 1-1/2” X 3-1/2” | 1/2" |
| 442-36 | 1/16” X 1-1/2” X 3-1/2” | 1/2" |
| 442-38 | 1/8” X 1-1/2” X 3-1/2” | 1/2" |

Material: High Density Plastic

1. **NO. 443 HORESHOE SHIMS**

Standard: Thickness [1/16”] [1/8”] [1/4”] [3/8”] [1/2”] x [width] x [length] x [slot opening] x [slot length]

1. Materials: [Stainless Steel] [Plain Steel] [Mill Galvanized (1/16” and 1/8” only)] [Hotdip Galvanized After Fabrication]

**PART 3: EXECUTION**

1. Install as specified in applicable Masonry section(s).