



**MATERIAL SPECIFICATION FOR  
ALUMINUM TAPERED ELLIPTICAL BRACKETS**

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**TABLE OF CONTENTS**

<b>2428.01</b>	<b>SCOPE</b>
<b>2428.02</b>	<b>REFERENCES</b>
<b>2428.03</b>	<b>DEFINITIONS - Not Used</b>
<b>2428.04</b>	<b>DESIGN AND SUBMISSION REQUIREMENTS - Not Used</b>
<b>2428.05</b>	<b>MATERIALS</b>
<b>2428.06</b>	<b>EQUIPMENT - Not Used</b>
<b>2428.07</b>	<b>PRODUCTION</b>
<b>2428.08</b>	<b>QUALITY ASSURANCE</b>

**2428.01 SCOPE**

This specification covers the requirements for aluminum tapered elliptical brackets and associated hardware.

**2428.02 REFERENCES**

This specification refers to the following standards, specifications, or publications:

**CSA Standards**

W59.2-M1991 (R2013) Welded Aluminum Construction

**ASTM International**

B 221-14 Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

**2428.05 MATERIALS**

**2428.05.01 Aluminum Alloy**

Aluminum alloy shall be according to ASTM B 221, Type 6063-T6.

**2428.07                      PRODUCTION**

**2428.07.01                  General**

All welding shall be continuous and according to CSA W59.2.

Brackets shall be fabricated according to the Contract Documents.

**2428.07.02                  Marking**

A permanent label shall be attached to the tapered elliptical bracket in a visible location indicating the following:

- a) Manufacturer's name or trademark.
- b) Bracket length.
- c) Date of manufacture.
- d) Designation OPSS 2428.

**2428.07.03                  Packaging and Shipment**

Each tapered elliptical bracket shall be shipped complete with mounting hardware, suitably packaged to ensure that all parts are delivered as a complete unit. A complete parts list shall be included in the shipment.

**2428.08                      QUALITY ASSURANCE**

**2428.08.01                  Inspection**

All tapered elliptical brackets may be subject to an inspection by the Contract Administrator prior to shipment.