

## Product Evaluation

### RE: Review of BC1 Round Breakaway Coupler

#### **PRODUCT**

BC1 Round Breakaway Coupler is a manufactured by Dyna Engineering Ltd located in Coquitlam, BC and distributed in Alberta by Barricades and Signs Ltd. located in Sturgeon County, Alberta. Website: [www.dynabrackets.com](http://www.dynabrackets.com)

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

The BC-1 Breakaway Coupler Sign post breakaway system protects the post anchor in the ground from damage. This Breakaway system will release before damage to other infrastructure items occur.

##### **DESCRIPTION**

The BC-1 is intended to be used with 2 3/8" round sign post and 2 3/8" round base post. It can also be utilized with a concrete base plate which attaches to a concrete median or other. Another benefit of this 3-piece design is that you only have to replace components as necessary. The cups can be reused and replaced as needed and the centerpiece is just a fraction of the replacement cost of traditional 1-piece designs.

##### **POTENTIAL USAGE**

BC1 Round Sign Post Breakaway Coupler system protects the post anchor in the ground from the damage.

##### **STANDARDS**

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has no experience with this product

##### **APPLICABLE STANDARDS**

The Alberta Transportation Specification for Breakaway Steel Sign Posts is as follows:  
Standard Specification for Highway Construction 5.18 Supply of Permanent Highway Signs, Posts and Bases and Specification 7.7, Permanent Highway Signing.

##### **RECOMMENDATIONS**

BC1 Round Breakaway Coupler be listed as a Potential Product under Alberta Transportation Products List, Signs and Supports – Supports – Breakaway – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

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