



# CMF / CRF Details

CMF ID: 9312

**Conversion of intersection into single-lane roundabout**

**Description:** Conversion of intersection into single-lane roundabout

**Prior Condition:** signalized, stop-controlled, yield-controlled and non-controlled intersections

**Category:** Intersection geometry

**Study:** [Safe roundabouts for cyclists, Jensen, S. U., 2017](#)

Star Quality Rating:	
<input type="text" value="2 Stars"/>	<a href="#">[View score details]</a>

Crash Modification Factor (CMF)	
Value:	2.03
Adjusted Standard Error:	
Unadjusted Standard Error:	0.291

Crash Reduction Factor (CRF)	
Value:	-103 (This value indicates an <b>increase</b> in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	29.1

## Applicability

**Crash Type:** Vehicle/bicycle

**Crash Severity:** All

**Roadway Types:** Not specified

**Number of Lanes:**

**Road Division Type:** All

**Speed Limit:** 40km/h to 130km/h

**Area Type:** All

**Traffic Volume:**

**Time of Day:** All

### *If countermeasure is intersection-based*

**Intersection Type:** Roadway/roadway (not interchange related)

**Intersection Geometry:** No values chosen.

**Traffic Control:** Not specified

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:**

**Municipality:**

**State:**

**Country:** Denmark

**Type of Methodology Used:** 1

<b>Sample Size Used:</b>	
<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jun-17-2018
<b>Comments:</b>	Central island height=0 to 1.9mAll central island diameters (0-60m)

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