

## Preamble

Bollards are used for a variety of reasons. There are four main categories of bollards:

1. Bollards crash tested to AS/NZS 3845.2:2017,
2. Bollards previously crash tested to AS/NZS 3845:1999 Test Level 0,
3. Bollards not crash tested,
4. Bollards for security purposes.

The purpose of this Technical Advice is to provide commentary and work towards a harmonised approach by Road Agencies.

## Audience

Road Agencies

## Commentary

Bollards crash tested to AS/NZS 3845.2:2017 are classified as 'road safety devices'. They can be considered in situations where roadside barriers are inappropriate due to space limitations, pedestrian accessibility and/or aesthetics.

There are several bollards which have been previously successfully tested to AS/NZS 3845:1999 Test Level 0. These bollards have established performance with a 1600kg car at 50km/h.

Bollards which have not been crash tested are classified as 'roadside furniture'. They may only be used in situations where there is no requirement for protection from/for errant vehicles.

Bollards for security purposes are not covered by AS/NZS 3845.2:2017, refer Commentary H of the Standard.

## Recommendation

It is necessary to clearly define the purpose of a bollard installation. If protection from/for errant vehicles is necessary then an AS/NZS 3845 compliant road safety device is required.

It is recognised that at present there are no compliant bollards available. The use of bollards previously crash tested to AS/NZS 3845:1999 Test Level 0 may be suitable. A site specific assessment should be undertaken.

It is recognised that there are situations where 'roadside furniture' bollards may be appropriate. Bollards of this nature should be labelled 'not a road safety device' and are only recommended to be installed outside the clear zone.

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