



Bolt Hole Crack Limits

Applicability

ARTC Network Wide	✓
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Audience	Main Points	Amendment Record
Infrastructure Managers Ultrasonic Testers Continuous Car Contractor Performance Section Standards Section	This table resolves the following issues from previous standards: <ul style="list-style-type: none"> Small cracks (up to 20 mm) went unreported. The intervention level at which urgent response became necessary was too high (75 mm). 	This replaces the defect limits for bolt hole cracks in TES 02 (NSW) and Section 1 of ARTC CoP (SA & Vic). 1.1 Revised to clarify Response table items

Internal Defect: Bolt Hole Crack (BC, W)

ARTC CoP Sizing	Type A track (>30MGT)		Type B track (<30MGT)	
	Response time	Action ²	Response Time ³	Action ²
0 - 10 mm	30 days	Reassess until removed	90 days	remove
11 - 20 mm	7 days	Reassess until removed	30 days	remove
21 - 40 mm	2 days	Speed restriction ¹ (60 km/hr maximum) and reassess every day until removed	7 days	Reassess until removed
>40 mm	Prior to the passage of the next train	Speed restriction ¹ (40 km/hr maximum) and reassess every day until removed	Prior to the passage of the next train	Speed restriction ¹ (60 km/hr maximum) and reassess every day until removed

Notes:

- 1) Speed restriction to be applied if the defect is not removed within the response time.
- 2) In addition to the responses above, all bolthole cracks must be recorded as defects.
- 3) Response times to be upgraded to Track Type A if any of the following apply:
 - More than 2 passenger trains a day
 - Defect is in a curve of less than 600m radius
 - Rail section is smaller than 47kg

Issued by	Date
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