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RAILINFRASTRUCTURE CORPORATION

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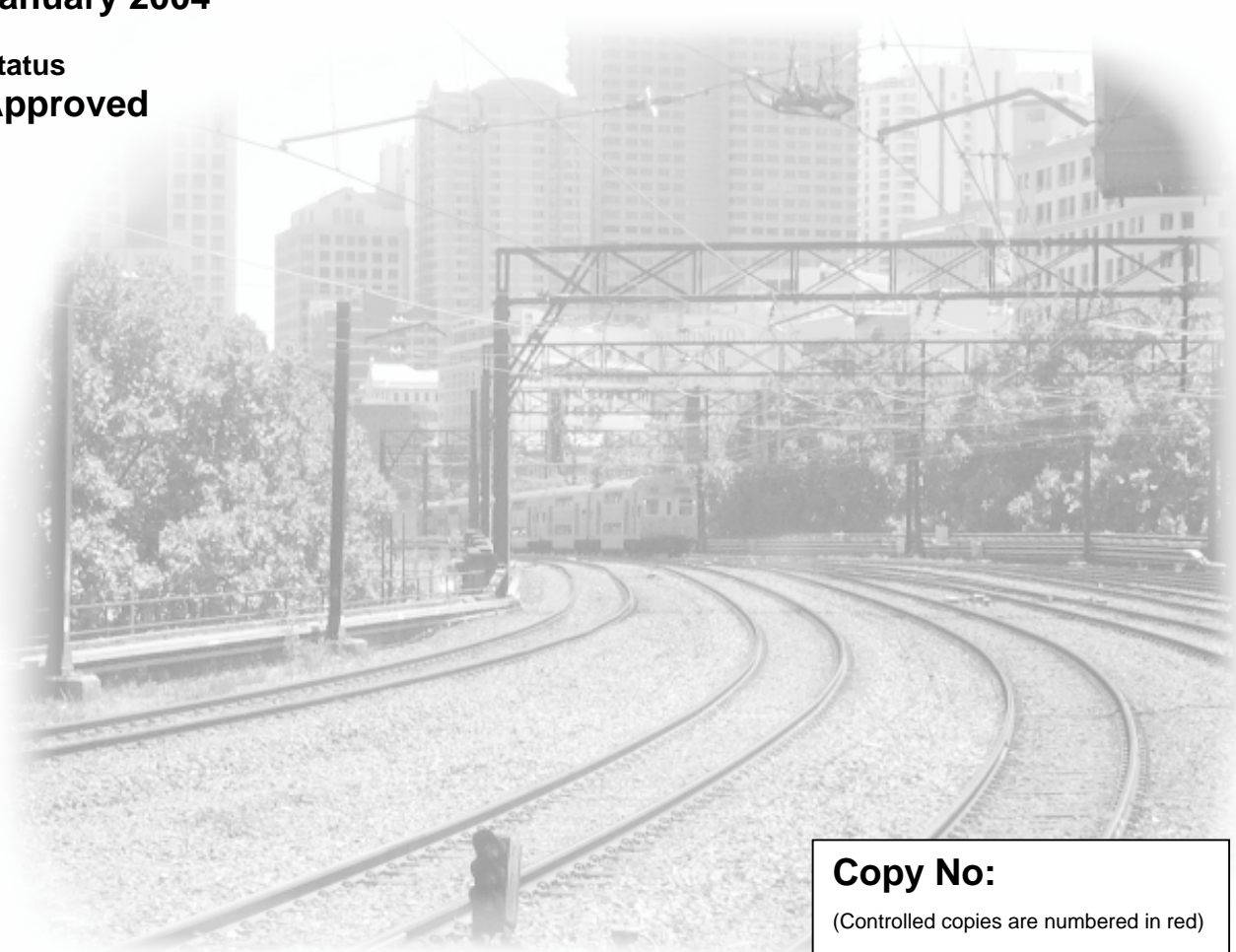
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AIR BRAKE HOSES

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About This Standard

This standard is based on TRS Standard 1058 Air Brake Hoses.

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Version 1.0

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1 Scope

This document specifies requirements for elastomeric air brake hose used in compressed air braking systems of railway locomotives and rolling stock.

The following types of hose are covered by this specification:-

| HOSE | INSIDE DIAMETER (mm) |
|---------------------|----------------------|
| Jumper hose | 12.5 |
| Main reservoir hose | 29 |
| Brake pipe hose | 35 |

2 Requirements

The hoses shall comply with Australian Standard 2435 Type 2 hose and the following requirements.

Where this specification differs from that contained in AS 2435, this specification will take precedence.

3 Batch Size

The hoses shall be supplied in batches of 140 m or less or other quantity as agreed between the supplier and the purchaser.

4 Marking

Each manufactured length of hose shall be permanently and clearly embossed branded every 610mm +/- 5mm with the following information:-

- a) Name of manufacturer or supplier
- b) Type of hose
- c) Batch number and date of manufacture (month and year)
- d) "Rail Infrastructure Corporation"

Note If the hose is manufactured for an intermediate supplier, the supplier's name may be substituted here.

5 Testing

5.1 Type Tests

When tendering to supply air brake hose to the Rail Infrastructure Corporation the tenderer shall provide NATA endorsed test certificates detailing compliance of the hose tendered to all the tests specified in AS 2435 Section 2 Performance Requirements, with the exception of Clause 2.4 Resistance to Ozone.

The mandrel size for Resistance To Bending for 22.5 mm ID hose shall be 125 mm radius.

The Tenderer shall provide evidence that the compound used in the manufacture of the cover complies with the Resistance to Ozone requirements of AS 2435 Clause 2.4.

5.2 Routine Tests

For each batch of air brake hose supplied to the Rail Infrastructure Corporation the supplier shall provide a NATA endorsed test certificate giving the results of the following tests:

5.2.1 Tension Test - in accordance with AS 2435 Clause 2.1

5.2.2 Adhesion Test - in accordance with AS 2435 Clause 2.2

5.2.3 Wicking Test - in accordance with AS 2435 Clause 2.5

5.2.4 Hydrostatic Tests:

a) Expansion Test - in accordance with AS 2435 Clause 2.6.1

b) Proof Pressure - in accordance with AS 2435 Clause 2.6.2

c) Burst Pressure - in accordance with AS 435 Clause 2.6.3.2.5

5.2.5 Accelerated ageing - in accordance with AS 2435 Clause 2.7

6 Referenced Documents

6.1 Australian Standards

AS 2435 Elastomeric hose for railway air brakes