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RAILINFRASTRUCTURE CORPORATION

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Material Specification

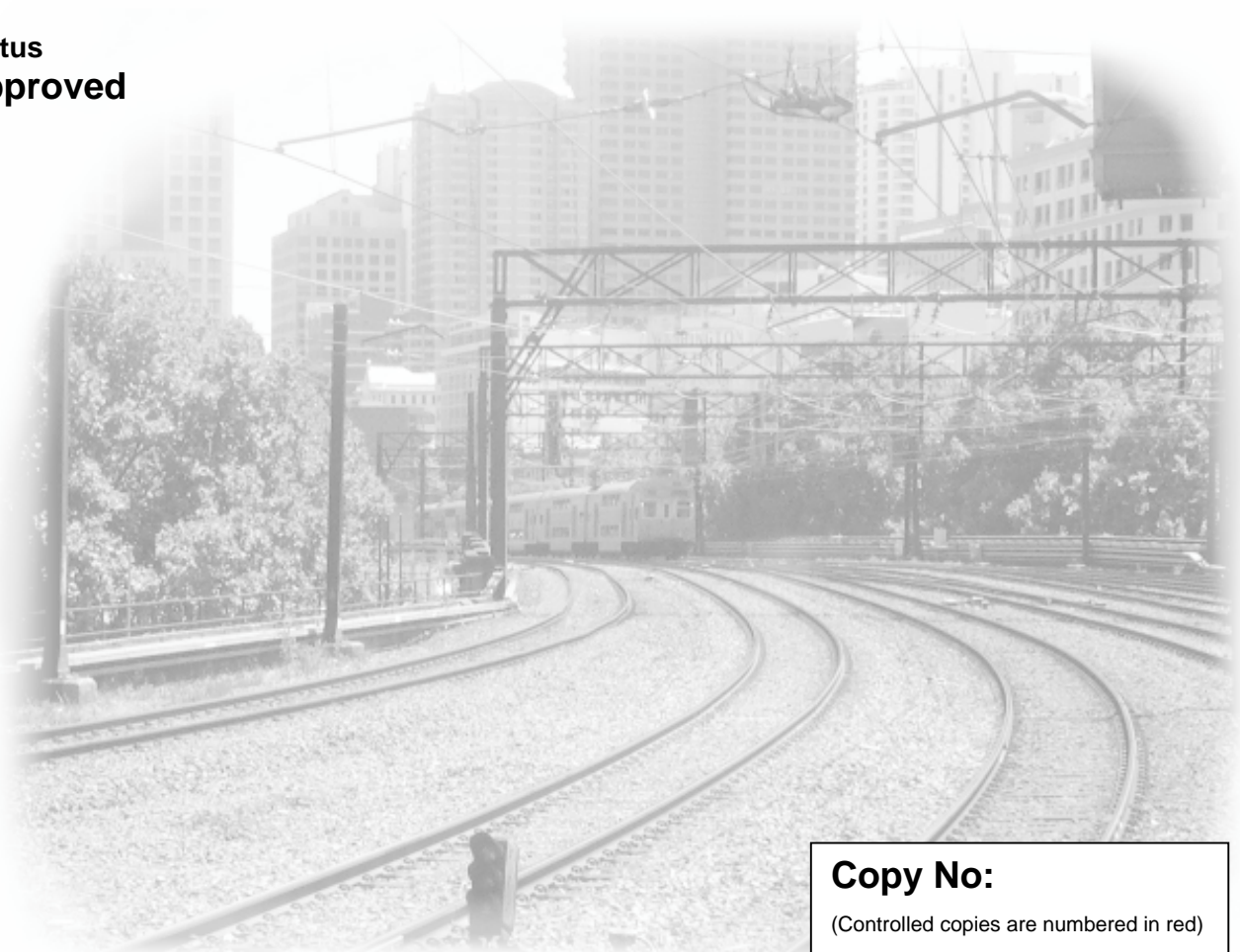
Title
SPECIFICATION FOR RUBBER HOSE

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About This Standard

The specification for rubber hose G7-1988 was re-written as TRS 0007 to specify commercially available hose to suit SRA requirements. Jumper and trip gear hose was included in TRS 1058.01, Specification for Air Brake hose. Pantograph hose was covered by TRS 1398, Specification For Pantograph Hose.

This standard RSS 0010 is based on FreightRail Traction & Rolling Stock Standard TRS 0007.

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1 Scope

This document specifies the requirements for rubber hoses used throughout the Rail Infrastructure Corporation.

It includes general purpose air and water hose, general purpose petrol and oil delivery hose, oxy-acetylene gas welding hose and steam cleaning hose.

2 Requirements

The hoses shall comply with the Australian or British Standards specified and the further requirements included in this specification. Where this specification differs from that contained in Australian or British Standards, this specification will take precedence.

3 Batch Size

The hoses shall be supplied in batches of 100m or less as agreed between the supplier and the purchaser.

4 Colour and Branding

The hoses shall be colour coded and branded as specified below. Any variation to the colours or branding specified must be approved by Principle Engineer Rolling Stock and Mechanical Assurance

5 Identification

Hoses shall be permanently and clearly marked as specified.

NOTE:- Loose tags attached to the hose are not acceptable.

6 Types of Hose

6.1 Water Delivery Hose

Hoses shall comply with the requirements below:

Inside Diameter	Minimum Burst Pressure
mm	MPa
20	4.1
25	3.8
32	3.8
38	3.4

Water delivery hose shall be black in colour with a green spiral stripe. Hoses shall be permanently and clearly marked at intervals not greater than 3m with: manufacturer's name or trade mark, working pressure, and the words "Water Delivery Hose".

6.2 General Purpose Petrol and Oil Delivery Hose

Hoses shall be manufactured in accordance and comply with all the requirements of Australian Standard 2683-1989, Type 2, Maximum working pressure 1 MPa, Grade 1, Kind 1.

General purpose petrol and oil delivery hose shall be black with a brown spiral stripe. Hoses shall be permanently and clearly marked as specified in AS 2683.

6.3 Oxy-Acetylene Gas Welding Hose

Hoses shall be manufactured in accordance and comply with all the requirements of Australian Standard 1335.

Oxygen and acetylene hoses shall be coloured and permanently and clearly marked as specified in AS 1335.

6.4 Steam Cleaning and Hot Water Hose

Hoses shall be manufactured in accordance and comply with all the requirements of Type 2 hose in British Standard 5342 1977.

Maximum working pressure: 1.6 MPa

Minimum burst pressure: 16 MPa.

Steam cleaning and hot water hose shall be either black with a red spiral stripe or red.

Hoses shall be permanently and clearly marked with the information specified in BS 5342-1977.

6.5 Air Hose

Air hose shall be manufactured in accordance and comply with all the requirements of Australian Standard 2554 for Class B hose.

Maximum Working pressure: 1.6 MPa

Minimum burst pressure: 6.4 Mpa

Air hose shall be black with a blue spiral stripe. Air hoses shall be permanently and clearly marked as specified in AS 2554

7 Hose Sizes

Hose Type	Inside Diameter (mm)
Water hose	20.0
	25.0
	32.0
	38.0
Petrol and Oil	25.0
	38.0
Oxy-acetylene	10.0 Black
	10.0 Red
	5.0 Black
	5.0 Red
Steam/hot water	12.5
Air	12.5
	20.0

8 References

8.1 Australian Standards

AS 1335	Hose & Hose Assemblies for Welding, Cutting & Allied Processes
AS 2554	Hose & Hose Assemblies for Air
AS 2683	Hose & Hose Assemblies for Distribution of Petroleum & Petroleum Products (Excepting LPG)

8.2 Other Standards

BS 5254	Specification for Polypropylene Waste Pipe & Fittings
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