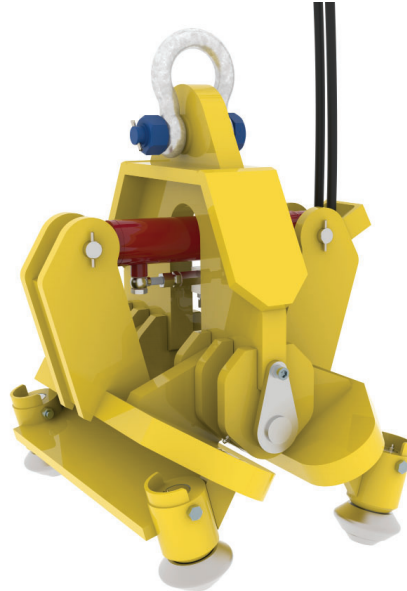


RTIO RAIL THIMBLE

Specifications



Full specifications for the Thomson Engineering
Design Universal Rail Thimble

Issue 2

July 2022

Contents and Issue Record

Introduction	3
Key Features	4
Specifications	6
Contact Details	7

Issue Record

First Issue	June 2015
Issue 2: New branding and address	July 2022

Introduction



The RT10 Universal Rail Thimble from Thomson Engineering Design is a rail handling device suitable for the removal and installation of long welded running rails.

Attached to an excavator or loader the RT10 Thimble supports and controls the rail with four rollers running beneath the rail head. Long welded rail can be threaded into position as the host machine travels along the rail.

The design of the RT10 Thimble means that it can be fitted to the rail without having to first lift the rail onto blocks reducing the time taken for threading operations and removing the need for personnel to be in the vicinity of the rail.

A pilot operated check valve mounted on the large bore hydraulic cylinder locks the cylinder in the event of a hose failure making this the safest device of its kind.

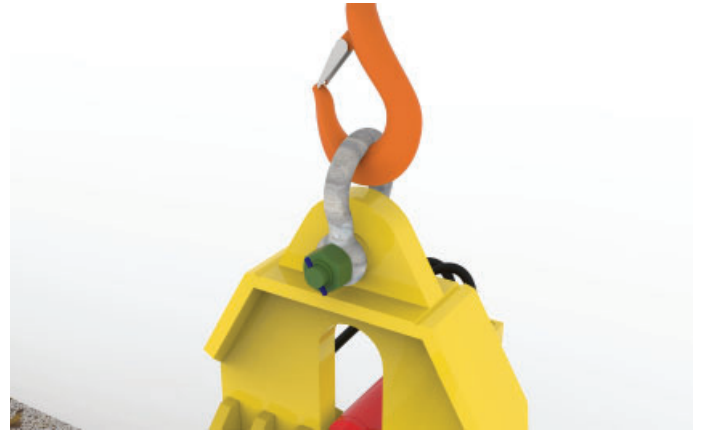
The RT10 Thimble was first introduced in 2003 and has been the most popular device of its kind in the UK ever since due to its robust construction, smooth operation and hydraulic control.

The butterfly action gives a wide jaw opening which makes it easy for the operator to fit the device to the rail and eliminates the need for manual assistance.

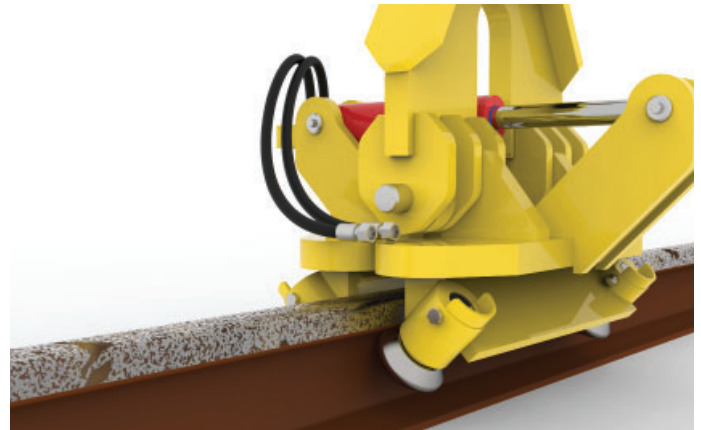
RT10 Thimbles come pre-fitted with 1500mm long connecting hoses and a 12 tonne capacity attachment shackle so they are ready to fit to almost any machine.

Key Features

The RT10 Universal Rail Thimble is easily attached to the host machine by hooking to the 12 tonne safety bow shackle



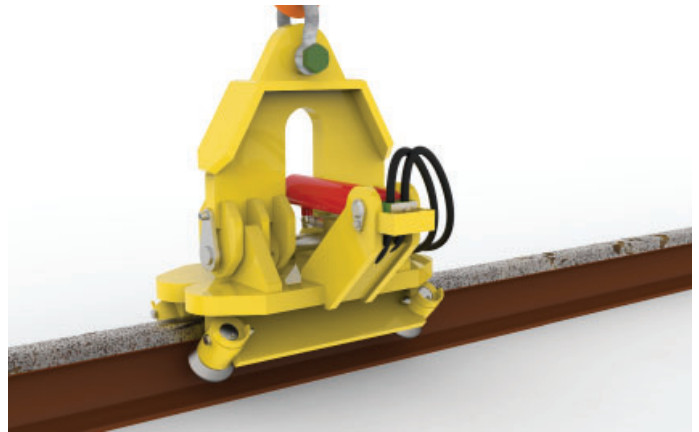
The device is supplied with 1500mm long connecting hoses terminated in 3/8" BSPP hose ends ready to fit your own choice of connectors



A twin pilot-operated check valve locks the cylinder in the event of a hose failure or host machine hydraulic failure

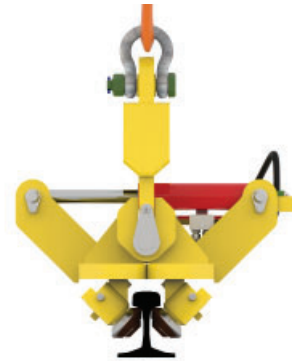


To minimise the risk of hose failure the supply hoses are protected by a thick steel hose guard where they emerge from the device

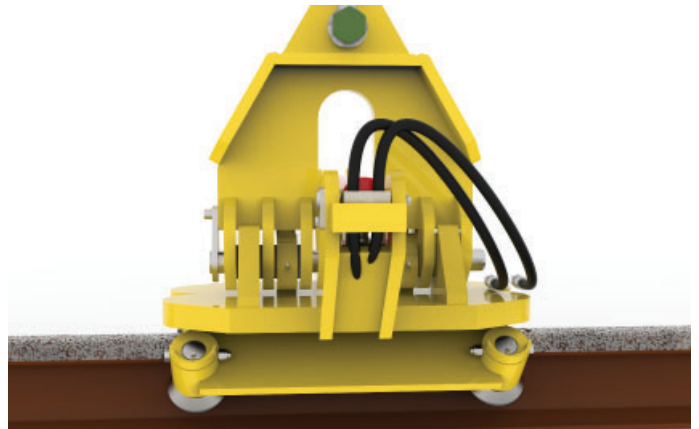


The rail is supported by specially shaped rollers which run under the top corner of the rail web. This ensures that the RT10 Thimble can be used on almost all types of running rail and eliminates the need for the rail to be lifted to attach the thimble

Rollers are case hardened high strength steel for long life without risk of cracking



All rollers and joints are fitted with grease nipples. The rollers and the main hinge have bronze bushes and thrust washers



Wide opening jaws make it easy for the operator to fit the RT10 to the rail



Specifications

Tare Weight	285	kg
Safe Working Load (WLL)	1,250	kg
Design Working Load	5,000	kg
Maximum Threading Speed	5,000	m/hr
Application	All Standard Running Rails	
Maximum Hydraulic Pressure	210	Bar
Minimum Hydraulic Pressure	90	Bar
Shackle Type	12 tonne Safety Bow	
Cylinder Bore	60	mm
Safety Valve	Dual Action Pilot Operated Check Valve	
Roller Diameter	80	mm

Contact Details



All technical and sales enquiries should be directed to Thomson Engineering Design.

**Thomson Engineering Design Ltd
Units 2a & 3 Crabtree Road
Cinderford
Gloucestershire
UK
GL14 2YN**

Tel: +44 (0) 1594 82 66 11

**Email: sales@thomsondesignuk.com
 technical@thomsondesignuk.com**

PLEASE NOTE

Whilst every care is taken to ensure that the contents of this document are true and accurate, the specifications of our products and the scope of our services are constantly changing as part of our policy of continuous improvement.

We strongly recommend contacting the factory to ensure that details given are still current.

More than half our business comes from special products designed and built as one-off's and we are always pleased to discuss amended specifications should the product detailed here not meet your exact requirements.

