About EARLS
Your choice for quality spreaders and related equipment.

About the Company
EARLS is a dynamic, 3rd generation family owned and directed company currently in our 59th year of continuous operation in the Vancouver, Canada area. Over the course of the past several decades EARLS has grown to become a full fledged engineered product manufacturer. Currently we have equipment working throughout the western hemisphere and we are looking to add customers, partners, and agent representation around the world.

Our Manufacturing Facility
Our Metro Vancouver plant is located in the suburb of Port Coquitlam where we have a 21,000 sq ft factory and 7,500 sq ft office located on a 1.4 acre industrial property. The factory consists of three bays, one each for machining, welding/fabricating, and electro-hydraulic & mechanical assembly. All EARLS spreaders are built to order at this location.

Total Commitment
EARLS total commitment to the customer encompasses all aspects of product development, design, manufacture, marketing, and after sales service. The delivery of a product to a customer marks the beginning of a permanent relationship.

Our Location
EARLS Industries Ltd.
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Phone: +1 604-941-8388
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Rev 2013 Q1

Yard Crane Spreader
Rubber Tire/Rail Mounted Gantry Container Spreader
20'/40' Positions with a 45' Guide
Rubber Tire/Rail Mounted Gantry Yard Crane

Container Spreader

20'/40' Positions with a 45' Guide

**Capacity:**

| Capacity | 40 LT +/- 10% |

**Tare:**

| Tare     | 18,000 lbs (ready to work) |

**Fatigue:**

| Fatigue | 1,200,000 cycles to AISC Specs. |

**Materials:**

| Materials | ASTM A514 & ASTM A572-50 |

**Performance Data:**

<table>
<thead>
<tr>
<th>Performance Data</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extend (20' to 40')</td>
<td>38 seconds</td>
</tr>
<tr>
<td>Retract (40' to 20')</td>
<td>38 seconds</td>
</tr>
<tr>
<td>Guide Extension (45')</td>
<td>6 seconds</td>
</tr>
<tr>
<td>Guide Retraction (45')</td>
<td>6 seconds</td>
</tr>
<tr>
<td>Twistlock Pins (90° either way)</td>
<td>3 seconds</td>
</tr>
</tbody>
</table>

**Quality Spreaders & Committed Service**

EARLS spreaders have become renowned at many ports around the world as one of the best pieces of equipment available. Our spreaders are built to order in a single facility and our product quality, support, and service are second to none. When you buy an EARLS spreader, in addition to getting a great product you are creating a lasting relationship.

**Expansion Mode:**

EARLS RTG/RMG Spreaders are designed and manufactured using telescoping hydraulic cylinders complete with shock absorbing relief valves.

**Paint:**

- 3 Coat System (Devoe)
- Inorganic Zinc Primer
- Epoxy Intermediate Coat
- Aliphatic Polyurethane Top Coat

**Extension Cylinders**

- Our spreaders are driven by hydraulic extension cylinders that are designed, engineered, and manufactured in house.
- EARLS spreaders are not chain driven.

**Twistlock Pins & Nuts**

- EARLS spreaders are equipped with fabricated twistlock pins and nuts that we manufacture in house.
- We do not use forged twistlock pins.

**Replaceable Wear Pads**

- Main & Secondary wear pads are replaceable.
- Nominal life expectancy of 3-5 years under normal use.

**Flipper Details**

- 2 fixed flippers and 1 hydraulic-driven extending guide for 40' and 45' containers at the 40' position.

**Total Life Cost**

- High MMBF (mean moves between failure)
- Low MTTR (mean time to repair)
- Low TLC (total life cost)

**Low Profile**

- Reduced height of the spreader maximizes the crane lift height.

**Materials:**

- ASTM A514 & ASTM A572-50