



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

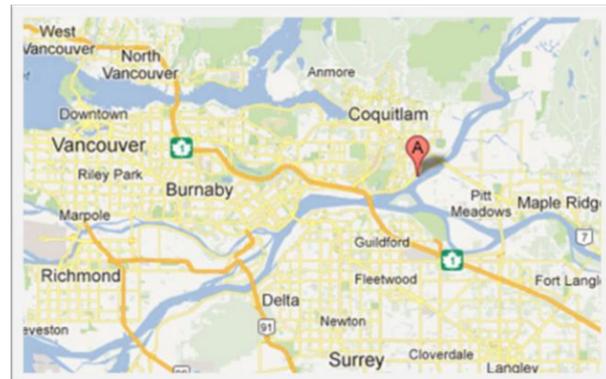
EARLS Industries Ltd.

Address: 1616 Kebet Way, Port Coquitlam, BC, V3C 5W9, Canada

Phone: +1 604-941-8388

Fax: +1 604-941-8302

Web: www.earlsindustries.com



Local Support Partner - India

Chirayush I. Gandhi

Director Sales and Technical Support.

BSc, MSc, B-Econ, MBA, NY Univ, & Univ of Boston

Email: cigandhi@emcogroup.co.in

Emco Group Companies

Address: 5/6 Magnum Opus Plaza, Shantinagar, Vakola, Mumbai 400055.

Phone: 91-22-2-6651771/2/4/5/6/7.

Web: www.indiamart.com/emcogroup



MODEL T20 STS Spreader

Floating Twin-Twenty Ship to Shore Spreader
20'/40'/45'/Twin 20' Positions



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.

Twin-Twenty Module

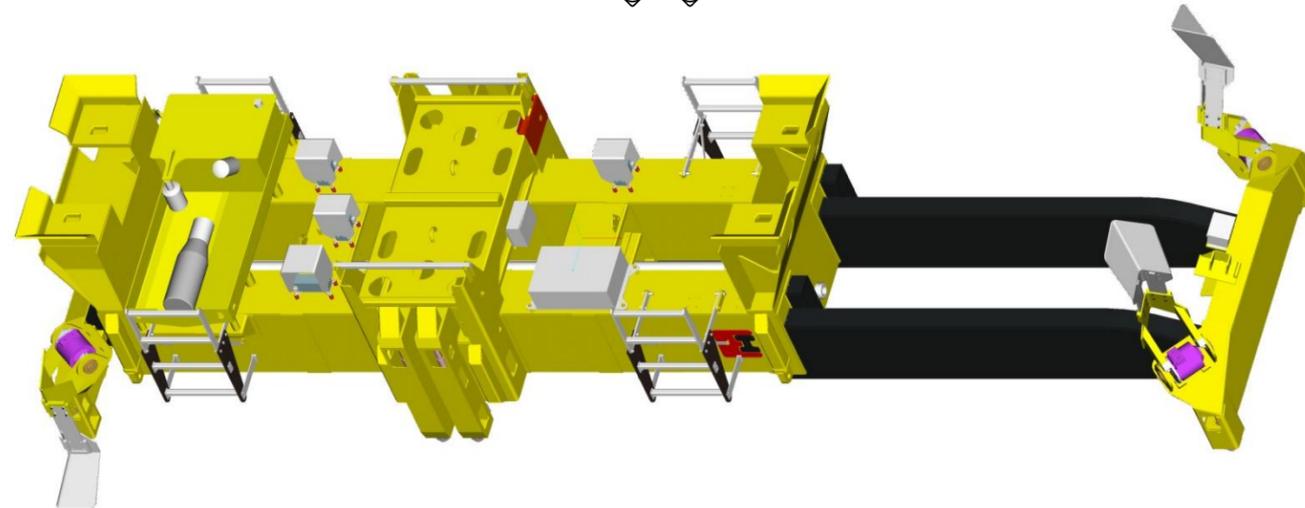
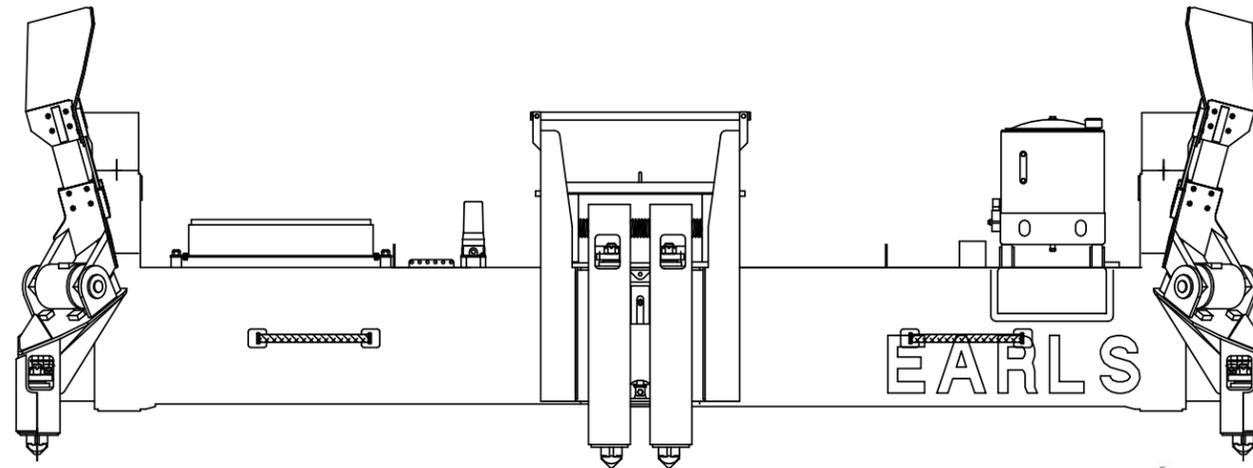
- ✓ EARLS invented the Floating Twin-20.
- ✓ EARLS holds a patent for this design (US Patent awarded in 1994.)

Flipper Details

- ✓ HS-15 Rotary Actuators.

Total Life Cost

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



Quality Spreaders & Committed Service

The EARLS telescopic ship to shore container crane spreader has become renowned at many ports around the world as one of the best pieces of equipment available. EARLS 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.

List of Units in Service:

Model #888	TSI Vanterm, Vancouver, BC
Model #891	Port of Tacoma, Tacoma, WA
Model #817	Port of San Francisco, CA
Model #889	Port of Portland, OR
Model #871	Port of Trinidad & Tobago
Model #888	TSI Deltaport, BC
Model #882	Fraser Surrey Docks, BC
Model #880	Ports America, Tampa, FL

Performance Data:

Extend (20' to 40')	23 seconds
Retract (40' to 20')	25 seconds
Extend (40' to 45')	8 seconds
Retract (40' to 45')	8 seconds
Flippers Up (2 from 0° to 180°)	4 seconds
Flippers Down (2 from 180° to 0°)	4 seconds
Flippers Up (4 from 0° to 180°)	4.5 seconds
Flippers Down (4 from 180° to 0°)	4.5 seconds
Twistlock Pins (90° either way)	~1 second

Capacity:

50 LT +/- 10% (single pick)
65 LT +/- 10% (twin pick)

Tare:

24,500 lbs

Fatigue:

1,200,000 cycles to AISC Specs.

Materials:

ASTM A514 & ASTM A572-50

Expansion Mode:

EARLS twin-twenty separating spreader is 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