

High Performance Doors and Dock Equipment



Hörmann Flexon LLC
Buncher Commerce Park
Avenue C Building 20-A
Leetsdale, PA 15056-1376

SECTION 11160/11161 Loading Dock Equipment

(Rev. 5/09)

Hörmann Flexon FLEXIDOCK® SERIES EDS MECHANICAL DOCK LEVELER

PART 1 - GENERAL

1.1. RELATED DOCUMENTS

- 1.1.1 Drawings and general provision of the Contract, including General and Supplementary Conditions and Division – 1 Specifications sections, apply to work of this section.

1.2. DESCRIPTION OF WORK

- 1.2.1 Extent of loading dock equipment is indicated on the drawings.
- 1.2.2 Types of loading dock equipment include the following:
- 1.2.3 Mechanical pit levelers.
- 1.2.4 Concrete work for dock levelers is specified in Division 3.

1.3. QUALITY ASSURANCE

- 1.3.1 Dock Leveler Standard: Unit conforms to U.S. Department of Commerce C.C. 202-56, OSHA and ANSI 14.1-84 Standards.
- 1.3.2 Single Source Responsibility: Provide dock levelers as complete units produced by single manufacturer, including necessary accessories fittings and anchorages.

1.4. SUBMITTALS

- 1.4.1. Shop Drawings: Submit shop drawings for fabrication and erection of dock levelers. Include plans, elevations, and large scale details. Show anchorages and accessory items.
- 1.4.2. Product Data: Submit manufacturer's product data and installation instructions for each type of loading dock equipment, including installation details.
- 1.4.3. Maintenance Data: Submit manufacturer's maintenance and service data, including address and telephone number of nearest authorized service representative.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- 2.1.1 Manufacturers: Subject to compliance with requirements, provide products of the following:
- 2.1.2 Manufacturer of mechanical dock levelers: Hörmann Flexon LLC, Buncher Commerce Park, Avenue C, Bldg. 20-A, Leetsdale PA 15056-1376. TOLL FREE: (800) 365-3667 / Outside the USA: (724) 385-9150 / Fax: (724) 385-9151 / Web: www.hormann-flexon.com / Email: sales@hormann-flexon.com

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2.1.3 Type: Loading dock leveler shall be fully mechanical pull chain operated with no moving parts. No rollers, cams or lanyards.

2.2. PRODUCT CHARACTERISTICS: MECHANICAL DOCK LEVELER

2.2.1 Product: Fully mechanical dock leveler: Model EDS

2.2.2 Size: ____' wide X ____' long, ____" deep to fit ____" deep pit.

2.2.3 Capacity: _____ lbs.

2.2.4 Construction: The platform shall be ¼" thick, 55,000 lb. Minimum yield steel tread plate. Platform support shall be structural steel "C" channel welded at front of leveler to full width header plate. No formed sheet metal shapes will be acceptable. Lip shall be ½" thick, 55,000 lb. Minimum yield steel tread plate with a projection beyond the platform edge of 16" and 12" beyond the bumpers. Lip hinge pin shall be 1" cold rolled CF1045 steel shaft. Hinge tubes are 1-1/8" I.D. seamless with grease fittings. Toe guards shall be working range type as standard. Operation: Conveniently located pull chain release provides easy activation of deck and lip. Lip to automatically extend and lock in position. Lip lock to release when unit is walked down and lip rests on truck bed.

2.2.5 Characteristics: Positive hold down device to allow up and down float when servicing truck. Unit shall have a working range of 12" above and 12" below dock level. Below dock safety legs shall provide positive stop in case of premature truck departure and shall not be affected by lip motion. Ramp to be recyclable with truck in position at dock. Cross traffic support and night lock security to be provided by lip stored in lip keepers. Deck to compensate (tilt) a maximum of 4" from side to side to service out of level trucks. Levelers and warranty shall meet or exceed the performance requirements of CS202-56, O.S.H.A. and A.N.S.I. MH-14.1.1-1984.

2.2.6 Weatherseals: Optional.

2.2.7 Bumpers: Two laminated type per dock leveler.

2.2.8 Warranty: One year parts and labor.

2.2.9 Anchorage Devices: Provide anchor bolts, nuts, washers, bolts, sleeves, cast-in-plate and other anchorage devices as required to fasten leveler securely in place and suit installation type indicated.

PART 3 – EXECUTION

3.1 PREPARATION

3.1.1. Coordination installation of loading dock equipment indicated to concrete or masonry. Examine the substrates and conditions under which the dock levelers are to be installed and do not proceed with the work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

3.2.1 General: Comply with manufacturer's detailed instructions for the installation of loading dock equipment.

3.3 ADJUST AND CLEAN

3.3.1 Make necessary adjustments for safe, efficient operation of loading dock equipment.

3.3.2 After installation, restore marred abraded surfaces to the original condition.