

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

VAN AMBATIELOS
PRESIDENT

E. FELICIA BRANNON
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL
GEORGE HOVAGUIMIAN
JAVIER NUNEZ



ERIC GARCETTI
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

FRANK M. BUSH
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.
EXECUTIVE OFFICER

Dayton Superior Corporation
562 W. Santa Ana Ave
Rialto, CA 92316

Attn: Matt Hekman
(909) 961-7007

RESEARCH REPORT: 25733
(CSI #03 21 00)

BASED UPON IAPMO UES EVALUATION
REPORT NO. ER-0319

REEVALUATION DUE
DATE: June 1, 2018
Issued Date: April 1, 2017
Code: 2017 LABC

GENERAL APPROVAL – Clerical Modification - TAPERLOCK Standard, Transitional and Positional Rebar Couplers for Type 1 and Type 2 Splice

DETAILS

The above assemblies and/or products are approved when in compliance with the description, use, identification and findings of Report No. ER-0319, dated April 1, 2014, of the IAPMO Uniform Evaluation Service. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No.ER-0319 marked with an asterisk have been deleted or revised by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. Installation of the splices shall be in accordance with the manufacturer's specifications. A copy of which shall be available at each job site to all Deputy Inspectors on the job.
2. Continuous inspection by Deputy Inspectors shall be provided during installations of the splices.

In addition to the normal duties, the Deputy Inspector shall:

- a) Verify the hardware and equipment.
- b) Verify the cleaning and condition of the bars in accordance with the specifications and the requirements herein.

RR 25733
Page 1 of 3

Dayton Superior Corporation
TAPERLOCK Reinforcing Bar Mechanical Splice Couplers

- c) Verify the installation procedures in accordance with the specifications and the requirements herein.
3. Splice to be installed shall be selected at the job site by the Registered Deputy Inspector or the Building Inspector and shall be tested by a Los Angeles City Approved testing agency. The test shall be conducted on each different reinforcing bar size and the frequency of tests shall be as follows:

- 1 out of the first 10 splices.
- 1 out of the next 90 splices.
- 1 out of the next 100 splices.

Splices shall develop in tension or compression, as required, at least 125 percent of the specified yield strength of the bar. In addition, splices identified as Type 2 shall develop 100 percent of the specified tensile strength, f_u , of the reinforcing bar.

4. If failure of the tested splice should occur prior to obtaining 125-percent of specified yield strength and 100-percent of specified tensile strength (for Type 2 couplers only), then 25-percent of all couplers shall be tested.

If failure of the tested splice occurs with testing of the 25-percent requirement, as stated above, then all couplers shall be rejected.

5. The fabricator, in processing steel for the couplers through his works, shall maintain identity of the material and shall maintain suitable procedures and records attesting that the specified coupler has been furnished. The ASTM or other specification designation shall be included near the erection mark on each shipping assembly or important construction component over any shop coat of paint prior to shipment from the fabricator's plant. The fabricator's identification mark system shall be established and on record prior to fabrication.

Couplers which are not readily identifiable from marking and test records shall be tested to determine conformity to this report. The fabricator shall, when requested, furnish an affidavit of compliance. Test data shall be provided upon request.

6. Splice locations shall be fully detailed on the plans.
7. Requirements for concrete cover and space between bars or sleeves shall be applicable at splices.
8. Rebar sizes shall be limited to #4 through #11 and #14 and #18 Grade 60 reinforcing steel and rebar material conforming to ASTM A 615 or ASTM A 706 specifications.
9. Only qualified operators completely familiar with the installation procedures and specifications shall perform the splicing

Dayton Superior Corporation
TAPERLOCK Reinforcing Bar Mechanical Splice Couplers

10. Except as specified herein, installation of the splices shall be in accordance with the manufacturer's specifications. A copy of the specifications shall be provided at the job site and be made available to all Deputy Inspectors on the job.

DISCUSSION

The clerical modification is to update to 2017 Los Angeles Building Code, update address of the petitioning organization, and contact person.

The report is in compliance with the 2017 Los Angeles City Building Code.

This report is based on tests and analyses in accordance with the ICC-ES Acceptance Criteria for Mechanical Connector systems for Steel Reinforcement Bars (AC-133), dated May 2014.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction, and must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

QUAN NGHIEM, Chief
Engineering Research Section
201 N. Figueroa St., Room 880
Los Angeles, CA 90012
Phone - 213-202-9812
Fax - 213-202-9942

LD
RR25733/MSWord2010
TLB1700104
R03/24/17
3A4/5A1/ACI-318-11 Sections 12.14.3.2; 21.1.6.1

Attachment: IAPMO UES Evaluation Report No. ER-0319 (5 Pages)