

DUR-O-WAL® DUR-O-EYE™ / LADUR-EYE™

DUR-O-EYE™ / LADUR-EYE™ ASSEMBLIES

Product Description

DUR-O-EYE and LADUR-EYE are prefabricated continuous reinforcement and adjustable tie systems. The assemblies consist of the appropriate size, weight and finish of the Truss or Ladur type reinforcement with DUR-O-WAL Rectangular Adjustable Wall Tie Eye Sections, welded at 16" on center horizontal spacing. DUR-O-WAL Adjustable Wall Tie Pintle Sections are fitted into the Eye Sections to complete the reinforcement and tie function to the assembly. The 16" tie spacing provides one tie for each 1.77 square feet of wall area when used 16" O.C. vertically. The assembly is designed for embedment in the horizontal mortar joints of the backing wythe in cavity, composite and faced walls and meets all the requirements of the ACI 530/ASCE 6/TMS 402 Code as well as Chapters 21 and 14 of the Uniform Building Code.

Basic Uses

DUR-O-EYE or Ladur-Eye can be used in a number of applications, especially when:

- Adjacent wythes do not course out level with each other at the specified intervals required up to 1 1/4" coursing misalignment.
- Proper mechanical attachment of rigid insulation to the backing wythe is required.
- It is desirable to erect one wythe before starting the other wythe
- Delivery of the facing material is delayed and accelerated enclosure is required to allow interior construction to proceed.
- Improved parging coverage, or other manually applied water proofing applications, to the backing wythe is required.
- Elimination of bent joint reinforcement or rigid ties to meet coursing conditions is desirable.

Advantages

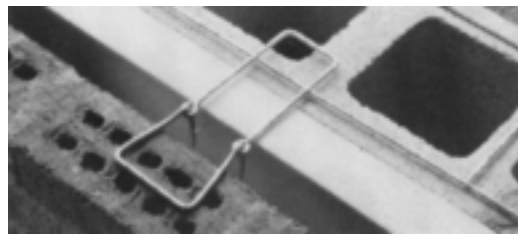
- Crack Control
- Greater mason productivity
- Vertical adjustability
- Fully tested to document performance

Installation

- Each system is installed in the same way as conventional Truss or Ladur type wall reinforcing
- Each system is installed with the eye extending into the collar joint cavity space or just past the rigid insulation
- Pintle sections are inserted into the eye and extend a minimum of 1-1/2" into the exterior wythe.
- Pintles can be installed up or down



DUR-O-EYE D/A 370



LADUR-EYE D/A 360

Specifications

All DUR-O-WAL wire products are made with wire conforming to the ASTM STANDARD SPECIFICATION for COLD DRAWN STEEL for CONCRETE REINFORCEMENT, ASTM A82 and ASTM A951.

DUR-O-WAL STAINLESS STEEL material conforms to ASTM STANDARD SPECIFICATIONS A580, TYPE 304.

Reference Specifications	Finish	Coating*
ASTM A82 (for cold drawn steel wire)	Brite Basic ²	uncoated
Regular Mill Galvanized ASTM A 641 ¹	Mill Galvanized	0.10 ounce zinc coating
ASTM A641-Class 1	Mill Galvanized	0.35 ounce zinc coating
ASTM A641-Class 3	Mill Galvanized	0.90 ounce zinc coating
ASTM A153-Class B-2**	Hot Dipped	1.50 ounce zinc coating

* Minimum ounces of zinc coating per square foot of uncoated wire surface

1 BOCA and SBCC Codes allow this finish for interior walls.

2 Brite Basic wire acquires rust in warehousing, transit, and job site storage. Therefore, DUR-O-WAL does not assume any responsibility for rusted material.

** **Specify and insist on DUR-O-WAL! DUR-O-WAL will certify on request that its hot dip galvanized (ASTM A153) product will have a minimum of 2.0 oz. of zinc per square foot-33% more corrosion protection than minimum standard requirements.**

DUR-O-WAL does not recommend using epoxy coating for joint reinforcement, anchors or ties.



Customer Service

Aurora, IL (800) 323-0090 • Folcroft, PA (800) 368-2035 • Birmingham, AL (800) 821-9296 • Phoenix, AZ (800) 235-0024

Technical Service

www.dur-o-wal.com • Email: info@dur-o-wal.com • Fax-On-Demand: (800) 254-8958

DUR-O-WAL® DUR-O-EYE™ / LADUR-EYE™ ASSEMBLIES

Ordering

DUR-O-EYE/LADUR-EYE are available in all sizes available for DUR-O-WAL Truss or Ladur. When ordering indicate:

- Wire size for truss or ladur.
- Wall makeup showing width of backup, insulation (if any), air space, veneer width,
- Finish

Note

- DUR-O-EYE is the system of choice for adjustable systems
- Ladur-Eye should be used when the backup wythe is reinforced vertically
- DUR-O-WAL does not recommend the use of 3/16" side rods for adjustable systems (ask for Technical Report #93-1)

Code Requirements for Adjustable Ties

- Use one tie for each 1.77 sq. ft. of wall area.
- Neither horizontal nor vertical spacing shall exceed 16 in.
- Maximum misalignment of bed joints from one wythe to the other shall be 1-1/4 inches.
- Maximum clearance between connecting parts of the ties shall be 1/16 inch.
- Ties shall have at least two 3/16 in. diameter pintle legs.

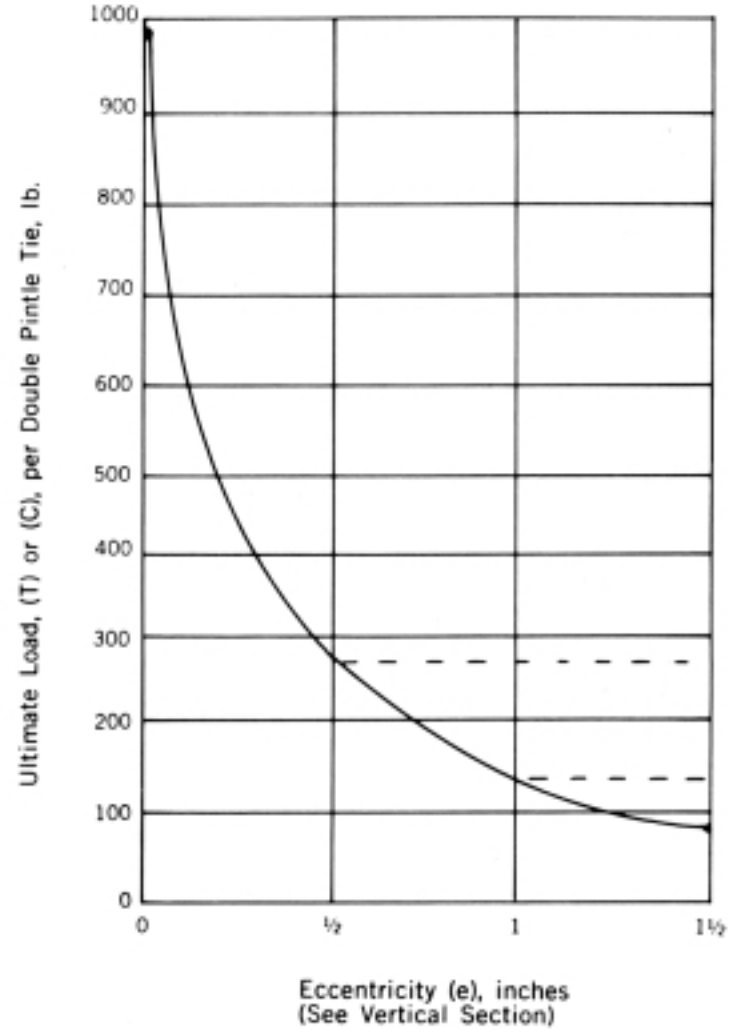
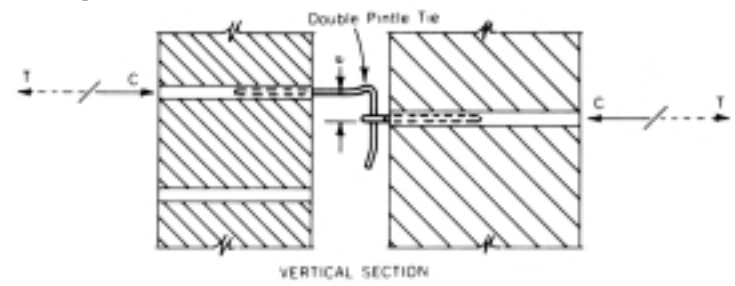
Limitations/Precautions

The information contained in this publication does not constitute any professional opinion or judgement and should not be used as a substitute for competent professional determinations. Each construction project is unique and the appropriate use of this product is the responsibility of the engineers, architects and other professionals who are familiar with the specific requirements of the project.

Warranty

Seller makes no warranty of any kind, express or implied, except that the goods sold under this agreement shall be of the standard quality of seller, and buyer assumes all risk and liability resulting from the use of the goods, whether used singly or in combination with other goods. Seller neither assumes nor authorizes any person to assume for seller any other liability in connection with the sale or use of the goods sold, and there is no oral agreement or warranty collateral to or affecting this transaction.

Effect of Eccentricity (e) on tie Strength of Rectangular Tie.



Approval



Sales and Services Centers

625 Crane Street Aurora, IL 60505 (800) 323-0090 Fax: (630) 898-1378	3 Horne Drive Folcroft, PA 19032 (800) 368-2035 Fax: (610) 534-7206	1401 Meadowcraft Road Birmingham, AL 35215 (800) 821-9296 Fax: (205) 856-0965	4810 South 40th Street, Suite 3 Phoenix, Arizona 85040 (800) 235-0024 Fax: 602-431-9667
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