D51A DBR™ Form Saver

Rebar Splicing

Technical Data Sheet

Description

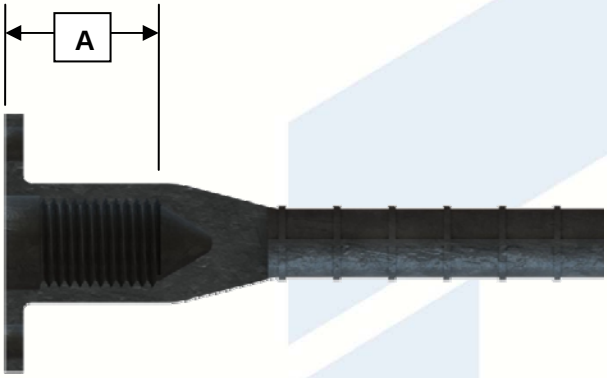
The Dayton Superior DBR Form Saver is a one-piece unit, integrally forged from ASTM A615 or ASTM A706, grade 60, deformed rebar. The D51A is available in #4[13MM] through #11[36MM] rebar sizes and can be used in conjunction with the same size DBR D51 Splice Bar to create a mechanical splice designed to achieve 125% of specified yield.

Application

Used in areas where rebar congestion prevent the use of long lap splices, where a continuous load path is required in segmental pours, and where through holes in formwork is not required.

Features

- Available in #4[13MM] - #11[36MM]
- Unibody construction
- Integral nailing flange
- Parallel threads



Technical Data

Splice Size	A (IN) (+0.125 /-0.0)	Thread Size
#4 [13MM]	0.750	1/2" - 13 NC
#5 [16MM]	0.875	5/8" - 11 NC
#6 [19MM]	1.000	3/4" - 10 NC
#7 [22MM]	1.125	7/8" - 9 NC
#8 [25MM]	1.250	1" - 8 NC
#9 [29MM]	1.375	1-1/8" - 8UN
#10 [32MM]	1.500	1-1/4" - 8UN
#11 [36MM]	1.688	1-3/8" - 8UN

Specification

Specific: Mechanical connections shall be DBR® Mechanical Splice System parallel threaded splice bars by Dayton Superior Corporation.

General: The mechanical connection shall meet building code requirements of developing in tension and compression as required. The mechanical connection shall be the forged and parallel threaded type coupler manufactured from high quality steel. All couplers shall be installed per the manufacturer's approved procedures.

Approvals/Compliance

- ACI 318, Type 1
- ICC AC 133, Type 1
- State Departments of Transportation
- AASHTO
- International Building Code (IBC), Type 1

Installation

- Using the integral nailing flange, nail D51A to formwork, as required.
- After containing concrete has had adequate time to cure, remove formwork exposing the face of the D51A.
- Check and remove any debris in the threaded hole of the D51A including the thread protecting cap.
- Insert D51 and rotate clockwise until the threads of the D51 are seated in the threads of the D51A.
- Rotate the bar until the connection is hand tight (5ft-lbs).

Ordering Information

Specify: (1) quantity, (2) product name, (3) bar size, (4) dimensions required.

Example: 600 D51A Form Savers, #5[16MM], 36" long

Related Products

- D51 DBR® Splice Bars
- D81 DBR® Male Thread Protector