

## TECHNICAL DATA SHEET

### DESCRIPTION

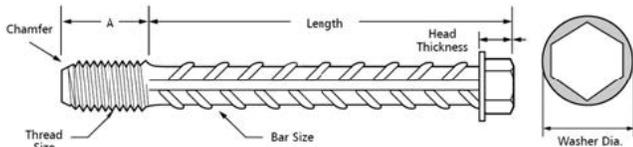
The D108 DBDI Dowel-In (D-I), Bolt Head is a type 2 threaded bar used to connect rebar and provide anchorage. It consists of a parallel, male threaded end and a forged, hex bolt, end anchor. The D108 is made from USA melted and rolled steel.

### APPLICATION

The D108 Dowel-In (D-I), Bolt Head is used to connect rebar between segmental, concrete pouring and provide embedment anchorage.

### PRODUCT SPECIFICATION

- Rebar sizes #4 (13mm) through #11 (36mm)
- Available in plain, epoxy coated, or galvanized finish
- Available in carbon, weldable, chromium, or stainless steel



### FEATURES

- Available in standard and customized lengths
- DBDI, parallel threads

### BENEFITS

- Easier to use and up to 25% faster installation
- Saves \$100 in form repair costs by not requiring a rebar through-hole
- Compliance to all building specifications

### HOW TO SPECIFY

Specific:

Mechanical connections shall be DBDI® Rebar Splices as manufactured by Dayton Superior Corp.

Generic:

The mechanical connection shall meet building code requirements of developing in tension and compression as required by \_\_\_\_\_ (insert name here). 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.

### TECHNICAL DATA

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Bar Size Designation			Min. Length Hex Head Dowel-In	Thread Size	A	Width Across Flats	Washer Diameter	Head Thickness	Ultimate Strength*
US	Metric (mm)	CN (M)							
#4	[13]	[10]	6" **	5/7" - 11 UNC	7/8"	1.13"	1-1/2"	0.44"	19,200 lbs
#5	[16]	[15]	6" **	3/4" - 10 UNC	1"	1.13"	1-1/2"	0.44"	29,760 lbs
#6	[19]	[20]	6" **	7/8" - 9 UNC	1-1/8"	1.31"	1-3/4"	0.44"	42,240 lbs

\* Ultimate strength based on 160%  $f_y$  specified  
 \*\* Plus Thread

### APPROVALS / COMPLIANCE



- ACI 318 Type 2
- Caltrans Ultimate Splice
- Ministries of Transportation, Canada
- State Departments of Transportation
- AASHTO
- International Building Code (IBC)
- City of Los Angeles Department of Building and Safety
- US Pat. 4,619,096
- IAPMO UES Listed (ER-319)

### INSTALLATION

1. Insert male, DBDI threads into a female, DBDI threaded coupler.
2. Rotate the male threaded rebar clockwise until the threads of the male bar interlock with the threads of the female coupler, making sure the connection is hand-tight.
3. If required, the system can be unthreaded up to one full rotation, but at no time should a wrench be used to torque the connection.

### RELATED PRODUCTS

- D101A DBDI® Dowel-Bar (D-B)
- D081 DBDI® Male Thread Protector

### HOW TO ORDER

- The D108 is a Made to Order item.
- Please Specify: (1) quantity, (2) name, (3) bar size, (4) length, (5) rebar.
- Example: 500, D108 DBDI Dowel-In, Bolt Head, #5 x 30" long, Epoxy Coated ASTM A615 Grade 60

**TECHNICAL DATA SHEET****MANUFACTURER**

Dayton Superior Corporation  
1125 Byers Road  
Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

**WARRANTY (ACCESSORIES)**

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton ("Ancillary Services") will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton's option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton's specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.