

TECHNICAL DATA SHEET

DESCRIPTION

The D101A DB Dowel Bar is a Full-Ultimate rebar coupler used to connect rebar. It consists of an integral, nailing flange, a coupler forged from the end of the rebar, parallel and female threads.

APPLICATION

The D101A Dowel Bar (DB), is used to connect rebar between segmental, concrete pouring. It may be attached to formwork through the integral nailing flange.

PRODUCT SPECIFICATION

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



FEATURES

- Ability to use the flange and nails to attach the system to formwork
- Available in standard and customized lengths
- DBDI, Full Ultimate, parallel threads

BENEFITS

- Easier to use and up to 25% faster installation
- Saves \$'s 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

Bar Size Designation			Thread Size	Thread Depth	100% P _u	Min MFG. Length DB-SAE
US	Metric (mm)	CN (M)				
#4	[13]	[10]	5/8" - 11 UNC	0.875	16,000	12"
#5	[16]	[15]	3/4" - 10 UNC	1	24,800	14"
#6	[19]	[20]	7/8" - 9 UNC	1.125	35,200	16"
#7	[22]	-	1" - 8 UNC	1.25	48,000	16"
#8	[25]	[25]	1-1/8" - 8 UN	1.375	63,200	16"
#9	[29]	[30]	1-1/4" - 8 UN	1.5	80,000	16"
#10	[32]	-	1-7/16" - 8 UN	1.688	101,600	16"
#11	[36]	[35]	1-9/16" - 8 UN	1.813	124,800	16"

R_t = Minimum Tensile Strength of bar.

NOTE: To be manufactured as Single End

NOTE: No. 4, 5, and 6 splicers, 18", 24", and 36" long will usually have a stamped metal plug to protect threads; all other sizes will have a plastic cap plug.

APPROVALS / COMPLIANCE

- ACI 318 Type 2
- Caltrans Ultimate Splice
- Ministries of Transportation, Canada
- State Departments of Transportation
- AASHTO
- International Building Code
- City of Los Angeles Department of Building and Safety
- IAPMO uses Listed (ER-319)

INSTALLATION

1. Insert male DI coupler into a female, DB 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

- D101 DI threaded dowel
- D081 DBDI thread protector

HOW TO ORDER

- Specify: (1) quantity, (2) name, (3) bar size, (4) length, (5) rebar
- Example: 500, D101A DB Dowel bar, #5 x 30" long, epoxy coated, A615/A706 Grade 60

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ORDERING INFORMATION

DOWEL-BAR (D-B) - #4 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
78188	4 X 12"	0.86 LB
78190	4 X 18"	1.20 LB
78198	4 X 30"	1.88 LB
78194	4 X 24"	1.54 LB
78202	4 X 36"	2.21 LB
78205	4 X 48"	2.88 LB
144107	4 X 54"	3.20 LB
78206	4 X 60"	3.53 LB
144108	4 X 66"	3.87 LB
78154	4 X 78"	4.68 LB
144109	4 X 84"	4.87 LB
144685	4 X 90"	5.21 LB
144110	4 X 96"	5.54 LB
144111	4 X 102"	5.87 LB
144693	4 X 108"	6.21 LB
144694	4 X 114"	6.54 LB
144761	4 X 120"	6.88 LB

DOWEL-BAR (D-B) - #4 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144225	4 X 12"	0.86 LB
78192	4 X 18"	1.20 LB
78197	4 X 24"	1.54 LB
78199	4 X 30"	1.88 LB
78203	4 X 36"	2.21 LB
124075	4 X 42"	2.55 LB
143068	4 X 48"	2.88 LB
144226	4 X 54"	3.20 LB
78207	4 X 60"	3.53 LB
144227	4 X 66"	3.87 LB
144228	4 X 78"	4.54 LB
144229	4 X 84"	4.87 LB
144703	4 X 90"	5.21 LB
144231	4 X 102"	5.87 LB
144232	4 X 108"	6.21 LB
144711	4 X 114"	6.54 LB
144297	4 X 120"	6.88 LB

DOWEL-BAR (D-B) - #5 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
78264	5 X 12"	1.35 LB
78267	5 X 18"	1.87 LB
78271	5 X 24"	2.39 LB
78277	5 X 30"	2.91 LB
78283	5 X 36"	3.44 LB
78288	5 X 42"	3.96 LB
78295	5 X 48"	4.48 LB
144112	5 X 54"	5.00 LB
78297	5 X 60"	5.52 LB
144114	5 X 66"	5.52 LB
144115	5 X 72"	5.52 LB
144116	5 X 78"	5.52 LB
144695	5 X 84"	5.52 LB
78216	5 X 90"	5.52 LB
	5 X 96"	5.52 LB
	5 X 102"	5.52 LB
	5 X 108"	5.52 LB
	5 X 114"	5.52 LB
	5 X 120"	5.52 LB

DOWEL-BAR (D-B) - #5 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144233	5 X 12"	1.35 LB
78268	5 X 18"	1.87 LB
78274	5 X 24"	2.39 LB
78280	5 X 30"	2.91 LB
78286	5 X 36"	3.44 LB
78291	5 X 42"	3.96 LB
144234	5 X 48"	4.48 LB
124083	5 X 54"	5.00 LB
144235	5 X 60"	5.52 LB
144236	5 X 66"	6.04 LB
144237	5 X 72"	6.56 LB
144704	5 X 78"	7.08 LB
144238	5 X 84"	7.60 LB
144712	5 X 90"	8.12 LB
	5 X 96"	8.64 LB
	5 X 102"	9.16 LB
	5 X 108"	9.68 LB
	5 X 114"	10.20 LB
	5 X 120"	10.72 LB

DOWEL-BAR (D-B) - #6 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
144154	6 X 12"	1.88 LB
100570	6 X 14"	2.19 LB
78355	6 X 18"	2.63 LB
78357	6 X 24"	3.38 LB
78360	6 X 30"	4.13 LB
78363	6 X 36"	4.88 LB
78368	6 X 42"	5.63 LB
78370	6 X 48"	6.38 LB
144118	6 X 54"	7.14 LB
144119	6 X 60"	7.89 LB
144120	6 X 66"	8.64 LB
144687	6 X 72"	9.39 LB
144121	6 X 78"	10.14 LB
144122	6 X 84"	10.89 LB
144123	6 X 90"	11.64 LB
144696	6 X 96"	12.40 LB
	6 X 102"	13.15 LB
	6 X 108"	13.90 LB
	6 X 114"	14.65 LB
	6 X 120"	15.40 LB

DOWEL-BAR (D-B) - #6 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144241	6 X 12"	1.88 LB
100571	6 X 14"	2.19 LB
78356	6 X 18"	2.63 LB
143096	6 X 24"	3.38 LB
78361	6 X 30"	4.13 LB
78366	6 X 36"	4.88 LB
78369	6 X 42"	5.63 LB
78373	6 X 48"	6.38 LB
144242	6 X 54"	7.14 LB
125026	6 X 60"	7.89 LB
144243	6 X 66"	8.64 LB
124079	6 X 72"	9.39 LB
144244	6 X 78"	10.14 LB
144245	6 X 84"	10.89 LB
144705	6 X 90"	11.64 LB
144246	6 X 96"	12.40 LB
144247	6 X 102"	13.15 LB
144248	6 X 108"	13.90 LB
144713	6 X 114"	14.65 LB
144299	6 X 120"	15.40 LB

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DOWEL-BAR (D-B) - #7 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
78400	7 X 18"	3.57 LB
78403	7 X 24"	4.59 LB
78405	7 X 30"	5.61 LB
78408	7 X 36"	6.63 LB
78412	7 X 48"	8.67 LB
124420	7 X 54"	9.69 LB
78414	7 X 60"	10.71 LB
144688	7 X 90"	15.84 LB
144126	7 X 96"	16.86 LB
144127	7 X 102"	17.89 LB
144128	7 X 108"	18.91 LB
144697	7 X 114"	19.92 LB
78418	7 X 120"	20.95 LB

DOWEL-BAR (D-B) - #7 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144249	7 X 12"	2.56 LB
78404	7 X 24"	4.59 LB
78619	7 X 30"	5.61 LB
78409	7 X 36"	6.63 LB
124080	7 X 42"	7.65 LB
78413	7 X 48"	8.67 LB
124081	7 X 54"	9.69 LB
78415	7 X 60"	10.71 LB
144250	7 X 66"	11.75 LB
124082	7 X 72"	12.78 LB
144252	7 X 84"	14.80 LB
144706	7 X 90"	15.84 LB
144253	7 X 96"	16.86 LB
144254	7 X 102"	17.89 LB
144714	7 X 114"	19.93 LB
144300	7 X 120"	20.95 LB

DOWEL-BAR (D-B) - #8 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
143134	8 X 18"	4.68 LB
78456	8 X 36"	8.70 LB
144131	8 X 102"	23.36 LB
144132	8 X 108"	24.70 LB
144698	8 X 114"	26.03 LB
78468	8 X 120"	27.37 LB

DOWEL-BAR (D-B) - #8 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
78455	8 X 30"	7.36 LB
78457	8 X 36"	8.70 LB
144707	8 X 90"	20.70 LB
144261	8 X 102"	23.36 LB
144262	8 X 108"	24.70 LB
144715	8 X 114"	26.03 LB
144301	8 X 120"	27.37 LB

DOWEL-BAR (D-B) - #9 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
144157	9 X 12"	4.25 LB
143177	9 X 18"	5.94 LB
143568	9 X 30"	9.34 LB
78509	9 X 72"	21.23 LB
78511	9 X 78"	22.95 LB
144136	9 X 102"	29.75 LB
144137	9 X 108"	31.45 LB
144699	9 X 114"	33.15 LB

DOWEL-BAR (D-B) - #9 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144263	9 X 12"	4.25 LB
143184	9 X 30"	9.34 LB
143207	9 X 48"	14.43 LB
143210	9 X 54"	16.13 LB
144264	9 X 66"	19.55 LB
144268	9 X 102"	29.75 LB
144716	9 X 114"	33.15 LB
144302	9 X 120"	34.85 LB

DOWEL-BAR (D-B) - #10 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
144138	10 X 18"	7.53 LB
144140	10 X 30"	11.83 LB
144760	10 X 42"	16.14 LB
144141	10 X 66"	24.74 LB
78547	10 X 78"	29.08 LB
144691	10 X 90"	33.35 LB
144144	10 X 108"	39.80 LB

DOWEL-BAR (D-B) - #10 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144271	10 X 18"	7.53 LB
144273	10 X 30"	11.88 LB
143227	10 X 36"	14.00 LB
144274	10 X 42"	16.14 LB
143229	10 X 48"	18.31 LB
143243	10 X 60"	22.62 LB
144275	10 X 66"	24.74 LB
143245	10 X 72"	26.93 LB
143258	10 X 78"	29.08 LB
143259	10 X 84"	31.23 LB
144709	10 X 90"	33.35 LB
144276	10 X 96"	35.50 LB
144278	10 X 108"	39.80 LB
144717	10 X 114"	41.95 LB

DOWEL-BAR (D-B) - #11 - ASTM A615/A706 GR 60 - PLAIN

Product Code	Description	Weight
144145	11 X 18"	9.30 LB
144147	11 X 30"	14.61 LB
144149	11 X 42"	19.92 LB
78585	11 X 72"	33.23 LB
78589	11 X 78"	35.88 LB
144152	11 X 102"	46.49 LB
144153	11 X 108"	49.15 LB
144701	11 X 114"	51.80 LB

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DOWEL-BAR (D-B) - #11 - ASTM A615/A706 GR 60 - EPOXY

Product Code	Description	Weight
144280	11 X 18"	9.30 LB
144282	11 X 30"	14.61 LB
144283	11 X 42"	19.92 LB
144284	11 X 54"	25.24 LB
143281	11 X 72"	33.23 LB
143295	11 X 78"	35.88 LB
144285	11 X 84"	38.52 LB
144286	11 X 96"	43.83 LB
144287	11 X 102"	46.49 LB
144288	11 X 108"	49.15 LB
144718	11 X 114"	51.80 LB
144304	11 X 120"	54.46 LB

MANUFACTURER

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Customer Service: 888-977-9600
Technical Services: 877-266-7732
Website: www.daytonsuperior.com

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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.