

## TECHNICAL DATA SHEET

### DESCRIPTION

D18 Inside Tie Rod is manufactured from high strength cold rolled steel.

### APPLICATION

D18 is capable of servicing many applications and uses in the field. It can be used as form ties, combination ties with coil ties for concrete embedments, and for bridge hangers to bridge overhang bracket attachments.



### FEATURES

- Available in 1/2" to 1-1/2" diameters
- Available cut to length
- Field cutting can be accomplished with bolt cutters or carborundum blades
- D18 requires one B25 or two B13 nuts to develop ultimate load

### TECHNICAL DATA

Coil Rod Diameter	Finish	Safe Working Load (Lbs.)	Ultimate Load (Lbs.)	Thread per Inch
1/2"	Plain, Egalv, T304 SS	9,000	18,000	6
5/8"	Plain	12,000	24,000	5
3/4"	Plain, Egalv	18,000	36,000	4.5
7/8"	Plain	24,000	76,000	4.5
1"	Plain, Egalv	38,000	76,000	3.5
1-1/8"	Plain	46,000	92,000	3.5
1-1/4"	Plain	56,000	112,000	3.5
1-1/2"	Plain	68,000	136,000	3.5
3/4"	T304 SS	17,500	35,000	4.5
1"	T304 SS	27,500	55,000	3.5
1-1/4"	T304 SS	42,500	85,000	3.5

### RELATED PRODUCTS

- B13 Coil Nuts
- B25 Heavy Coil Nuts
- B1, B2, B1B3, B2B3 Coil Ties

### ORDERING INFORMATION

#### 1/2" DIA. HEAVY (9,000 LBS SWL)

Product Code	Description	Weight
109000	1/2" DIA X 4"	0.24 LB
109010	1/2" DIA X 6"	0.3 LB
109020	1/2" DIA X 8"	0.4 LB
109030	1/2" DIA X 12"	0.5 LB
109050	1/2" DIA X 15"	0.7 LB
109060	1/2" DIA X 16"	0.7 LB
103060	1/2" DIA X 18"	0.8 LB
109070	1/2" DIA X 20"	0.9 LB
109080	1/2" DIA X 24"	1.1 LB
109090	1/2" DIA X 30"	1.4 LB
109100	1/2" DIA X 36"	1.6 LB
109130	1/2" DIA X 60"	2.7 LB

#### 3/4" DIA. HEAVY (18,000 LBS SWL)

Product Code	Description	Weight
109160	3/4" DIA X 6"	0.6 LB
125363	3/4" DIA X 10"	0.97 LB
114840	3/4" DIA X 12"	1.2 LB
109180	3/4" DIA X 18"	1.755 LB
114860	3/4" DIA X 24"	2.4 LB
114870	3/4" DIA X 30"	3 LB
109190	3/4" DIA X 36"	3.6 LB
109200	3/4" DIA X 60"	6 LB
121177	3/4" DIA X 72"	7.2 LB

#### 1" DIA. HEAVY

Product Code	Description	Weight
143456	1" DIA X 13" ELECTRO GALV.	2.21 LB
123017	1" DIA X 18" T304 STAINLESS STEEL	3 LB

#### 1-1/4" DIA. HEAVY

Product Code	Description	Weight
144751	1-1/4" DIA X 16" T304 STAINLESS STEEL	4.62 LB
120776	1-1/4" DIA X 18" T304 STAINLESS STEEL	5.2 LB
124269	1-1/4" DIA X 21" T303 STAINLESS STEEL	5.81 LB

### MANUFACTURER

Dayton Superior Corporation  
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 Miamisburg, OH 45342  
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 Technical Services: 877-266-7732  
 Website: 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.