

## TECHNICAL DATA SHEET

### DESCRIPTION

B12 Continuous Coil Threaded Rod is manufactured from high strength cold rolled steel.

### APPLICATION

B12 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 in 12' length
- Field cutting can be accomplished with bolt cutters or carborundum blades
- B12 requires one B25 or two B13 nuts to develop ultimate load
- 1/2" dia.: Gr. 1035/1038/1045 MHC Steel
- 5/8" & 3/4" dia.: Gr. 1035/1045
- 7/8", 1-1/4" & 1-1/2" dia.: Gr. 1045
- 1" & 1-1/8" dia.: Gr. 10V45

### TECHNICAL DATA

Safe Working Loads (SWL) are based on a factor of safety of 2 to 1.

Coil Rod Diameter	Finish	Tension SWL (lbs)	Shear SWL (lbs)	Ultimate Load (lbs)	Threads per inch
1/2"	Plain, EGALV, T304 SS	9,000	6,000	18,000	6
5/8"	Plain	12,000	8,000	24,000	5
3/4"	Plain, EGALV	18,000	12,000	36,000	4.5
7/8"	Plain	24,000	16,000	48,000	4.5
1"	Plain, EGALV	38,000	25,335	76,000	3.5
1-1/8"	Plain	46,000	30,668	92,000	3.5
1-1/4"	Plain	56,000	37,335	112,000	3.5
1-1/2"	Plain	68,000	45,336	136,000	3.5
3/4"	T304 SS	17,500	11,667	35,000	4.5
1"	T304 SS	27,500	18,334	55,000	3.5
1-1/4"	T304 SS	42,500	28,335	85,000	3.5

### RELATED PRODUCTS

- B13 Coil Nuts
- B25 Heavy Coil Nuts
- B1, B2, B1B3, B2B3 Coil Ties
- D18 Inner Units

### ORDERING INFORMATION

#### COIL ROD - HIGH TENSILE STRENGTH - MADE IN USA

Product Code	Description	Weight
46227	LEFT HAND THREAD 3/4" X 12'; PLAIN	1.20 LB
46327	LEFT HAND THREAD 1" X 12'; PLAIN	2.09 LB
46122	RIGHT HAND THREAD 1/2" X 12'; PLAIN	0.53 LB
46125	RIGHT HAND THREAD 5/8" X 12'; PLAIN	0.85 LB
46228	RIGHT HAND THREAD 3/4" X 12'; PLAIN	1.20 LB
46325	RIGHT HAND THREAD 7/8" X 12'; PLAIN	1.68 LB
46328	RIGHT HAND THREAD 1" X 12'; PLAIN	2.09 LB
109230	RIGHT HAND THREAD 1-1/8" X 12'; PLAIN	3.10 LB
46423	RIGHT HAND THREAD 1-1/4" X 12'; PLAIN	3.50 LB
46470	RIGHT HAND THREAD 1-1/2" X 12'; PLAIN	5.15 LB
124201	RIGHT HAND THREAD 1/2" X 20'; PLAIN	0.53 LB
46225	RIGHT HAND THREAD 3/4" X 10'; PLAIN	1.20 LB
103090	RIGHT HAND THREAD 3/4" X 20'; PLAIN	1.20 LB
109250	RIGHT HAND THREAD 1" X 20'; PLAIN	2.09 LB

#### COIL ROD - HIGH TENSILE STRENGTH - IMPORTED

Product Code	Description	Weight
100406	RIGHT HAND THREAD 1/2" X 12'; PLAIN	0.53 LB
100326	RIGHT HAND THREAD 3/4" X 12'; PLAIN	1.20 LB

#### COIL ROD - ELECTRO GALVANIZED

Product Code	Description	Weight
46126	RIGHT HAND THREAD 1/2" X 12'; EGALV	0.50 LB
143999	RIGHT HAND THREAD 3/4" X 12'; EGALV	1.20 LB
144000	RIGHT HAND THREAD 1" X 12'; EGALV	2.09 LB
100151	RIGHT HAND THREAD 1-1/4" X 12'; EGALV	3.51 LB

#### COIL ROD - STAINLESS STEEL (T304)

Product Code	Description	Weight
122709	RIGHT HAND THREAD 1/2" X 12'; T304 SS	0.53 LB
114890	RIGHT HAND THREAD 3/4" X 12'; T304 SS	1.20 LB
122457	RIGHT HAND THREAD 1" X 12'; T304 SS	2.09 LB
120778	RIGHT HAND THREAD 1-1/4" X 12'; T304 SS	3.50 LB
121884	RIGHT HAND THREAD 1-1/2" X 12'; T304 SS	6.00 LB

#### COIL ROD CANADA ONLY

Product Code	Description	Weight
143811	CANADA ONLY; RIGHT HAND THREAD 3/4" X 12'; PLAIN	1.20 LB
143812	CANADA ONLY; RIGHT HAND THREAD 1" X 12'; PLAIN	2.09 LB

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

Dayton Superior Corporation  
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Miamisburg, OH 45342  
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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.