

## TECHNICAL DATA SHEET

### DESCRIPTION

B1 coil ties are strong, versatile resistance welded ties designed to take the abuse encountered in medium and heavy concrete construction

### APPLICATION

The coil ties can be used as a combination tie and form spreader when it is not necessary to keep the ends of the tie back from the face of the concrete.



### FEATURES

- It can be used with or without cones
- Can be combined with coil rod to form an adjustable tie
- Available in 1/2", 3/4", 1", 1 1/4" and 1-1/2" diameters in plain or electro galvanized finish
- To determine the required coil tie length, subtract two times the desired or specified setback from the wall thickness
- Safe working load provides a factor of safety of approximately 2 to 1
- Can be used with B4 Water Resistant Washer to break the continuity of the tie to help eliminate water seepage long the tie.

### TECHNICAL DATA

SWL provides a factor of safety of approximately 2 to 1.

Type	Bolt Diameter	Number of Strut Wires	Safe Working Load Tension (lbs.)
B1 Standard	1/2"	2	4,500
B1 Heavy	1/2"	2	6,750
B1 Standard	3/4"	2	6,750
B1 Heavy	3/4"	2	9,000
B1 Standard	1"	2	13,500
B1 Standard	1-1/4"	2	13,500

### RELATED PRODUCTS

- B29 Plastic Cone
- B12 Coil Rod
- B14 Coil Bolt
- B11 Flat Washer
- B39 Wing Nuts
- B4 Washer

### ORDERING INFORMATION

#### B1 COIL TIES - STANDARD

Product Code	Description	Weight
105180	3" PLAIN	0.20 LB
40195	4" PLAIN	0.24 LB
40200	6" PLAIN	0.29 LB
40206	8" PLAIN	0.32 LB
40209	9" PLAIN	0.35 LB
40212	10" PLAIN	0.37 LB
40215	11" PLAIN	0.39 LB
40218	12" PLAIN	0.40 LB
105200	13" PLAIN	0.44 LB
40220	14" PLAIN	0.46 LB
100030	15" PLAIN	0.47 LB
40222	16" PLAIN	0.51 LB
40224	18" PLAIN	0.54 LB
40226	20" PLAIN	0.58 LB
122431	21" PLAIN	0.63 LB
40228	22" PLAIN	0.65 LB
105220	23" PLAIN	0.67 LB
40230	24" PLAIN	0.67 LB
40232	26" PLAIN	0.74 LB
105230	27" PLAIN	0.77 LB
100050	28" PLAIN	0.76 LB
100060	30" PLAIN	0.81 LB
105250	32" PLAIN	0.88 LB
100070	34" PLAIN	0.93 LB
40242	36" PLAIN	0.95 LB
112090	38" PLAIN	1.02 LB
105260	40" PLAIN	1.06 LB
105270	42" PLAIN	1.11 LB
105280	44" PLAIN	1.16 LB
105300	48" PLAIN	1.25 LB
112100	52" PLAIN	1.30 LB
112110	54" PLAIN	1.39 LB
105320	60" PLAIN	1.50 LB
124181	4" PLAIN	0.60 LB
40304	6" PLAIN	0.62 LB
105330	8" PLAIN	0.78 LB
40310	12" PLAIN	0.91 LB
40490	6" PLAIN	1.39 LB
40492	8" PLAIN	1.42 LB
40494	10" PLAIN	1.67 LB
105380	12" PLAIN	1.83 LB
40504	6" ELECTRO GALV.	1.40 LB

**TECHNICAL DATA SHEET****B1 COIL TIES - HEAVY**

Product Code	Description	Weight
40904	6" PLAIN	0.45 LB
124181	6" PLAIN	0.75 LB
124184	12" PLAIN	1.01 LB
143798	6" ELECTRO GALV.	0.75 LB

**B1 COIL TIES - HEAVY - 3/4" DIA. - EGALV PER ASTM B633-****SC4**

Product Code	Description	Weight
100146	6" EGALV PER ASTM B633-SC4	0.75 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](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.