

# RIBBED CENTER BULB WATERSTOP APPLICATIONS AND PROPERTIES

## PRODUCT DATA SHEET #6008

### Where to Use Vinylex Ribbed Center Bulb Waterstop

Vinylex Ribbed Center Bulb Waterstops are employed in expansion joints where movement between members is anticipated. Like all Vinylex PVC Waterstops, they are used in any concrete structure which contains joints and also is subjected to a hydrostatic load on one face of the structure. They are generally used above grade, but in fact are a universal design and can be used in any type of joint above or below grade. (See Vinylex Product Data Sheets #5942 and #6012.) The elastic and abrasion resistant qualities of Vinylex Waterstop, together with high resistance to oxygen, ozone, alkalis, or waterborne chemicals, allow its use in any subterranean or surface construction. Vinylex Waterstops cannot stain or discolor concrete.

















### Vinylex Waterstop Meets or Exceeds Specifications

They are chemically inert - unaffected by concrete additives. Continuous testing and quality control assure that Vinylex Waterstops meet or exceed these requirements:

- U.S. Army Corps of Engineers Specification CRD-C-572-74
- Tennessee Valley Authority Specification No. PF-1026
- U.S. Department of Interior Bureau of Reclamation Specification for Plastic Waterstop
- N.Y. State Dept. of Public Works Specification No. M 38-T
- Hydro-Electric Power Commission of Ontario, Canada Standard Specification No. M-264-64

### Why Vinylex Specializes

Vinylex Corporation specializes in production of engineered vinyl products for construction in order to offer a single reliable source for highest quality materials that have been designed, compounded, processed, inspected, and shipped under rigid quality control standards. Vinylex virgin PVC Waterstops are the result of total rather than sideline efforts. Our reputation rests not on promise, but on performance in terms of service and satisfaction for our customers.

CAT. NO.	HD FT H <sub>2</sub> O	WIDTH X MIN. THICK X MAX. THICK	BULB OD	
RB4-316	65	4" x 5/32" x 3/16"	3/8"	
RB6-316	100	6" x 5/32" x 3/16"	3/8"	
RB6-316H	100	6" x 3/16" x 3/16"	3/8"	
RB6-316HR	100	6" x 3/16" x 3/16"	3/8"	
RB6-14	110	6" x 3/16" x 3/8"	5/8"	
RB6-38	125	6" x 3/16" x 3/8"	5/8"	
RB6-38H	125	6" x 3/8" x 3/8"	1"	
RB6-12	125	6" x 3/8" x 1/2"	1 1/8"	
RB7-14HR	110	7" x 1/4" x 1/4"	1"	
RB9-316	150	9" x 5/32" x 3/16"	1 1/8"	
RB9-14HR	150	9" x 5/32" x 1/4"	5/8"	
RB9-38	150	9" x 1/4" x 3/8"	1"	
RLB9-38	150	9" x 1/4" x 3/8"	1 1/2"	
RB9-38H	150	9" x 3/8" x 3/8"	1"	
RB9-12	200	9" x 3/8" x 1/2"	1"	
RB12-12	250	12" x 3/8" x 1/2"	1 1/8"	

### Detailed Job Specifications Available

For detailed job specifications, write Vinylex Corporation or call your nearest Vinylex Regional Marketing Representative. Other basic specification information is available in the Construction Specifications Institute's "Spec Data® Sheets" and in Sweet's Architectural File or Sweet's Industrial Catalog File. (3.6VI)

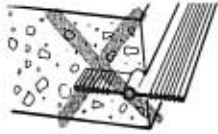
#### RIBBED CENTER BULB WATERSTOP\*

- \*Also see Vinylex Data Sheets
- #5942 Flat Ribbed Waterstop
- #6005 Special Waterstop Shapes
- #6012 Split Ribbed Waterstop
- #6035 On The Job Splicing

## Installation Information

Vynlex Ribbed Center Bulb Waterstop installs quickly and easily in the field. When installed in an expansion joint, care must be taken in forming so that the closed hollow center bulb remains unembedded in the gap between the first and second pour. This allows for maximum elongation with minimum stress on portions of the Waterstop embedded in the concrete. It may be desirable to install expansion joint material and/or a sealant in the joint to help prevent foreign matter from accumulating in the joint area. The Waterstop itself will exclude moisture or water. Properly installed, it provides a simple, effective, positive seal. The Ribbed Center Bulb type is a universal Waterstop design in that it can be installed with equal effectiveness in construction joints or expansion joints - above or below grade.

## Do's and Don't's for Installation



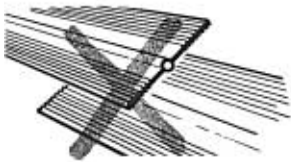
### DO NOT

Embed bulb in concrete. It must be positioned in center of joint to ensure freedom of movement.



### DO NOT

Drive nails through center of Waterstop when forming.



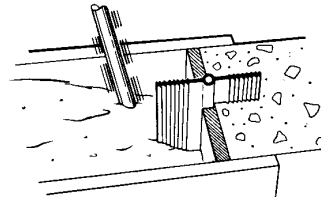
### DO NOT

Lap sections of Waterstop. All joints should be spliced with a heat-sealing method. See instruction sheet #6035.



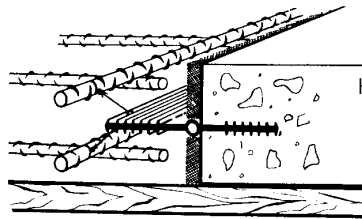
### DO NOT

Secure Waterstop, except between the last rib and the end of the Waterstop when tying to the reinforcing rods to hold in place for the pour.



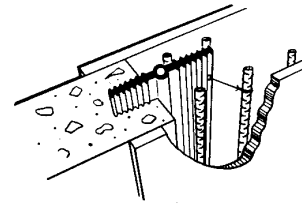
### DO

Systematically and thoroughly vibrate concrete around Waterstop to avoid honeycombing and voids in concrete and to ensure complete contact between waterstop and concrete.



### DO

Hold Waterstop securely in place to prevent misalignment during concreting operations.



### DO

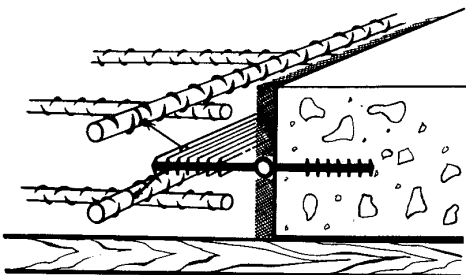
Use a thicker section Waterstop (3/8" or 1/2") for heavy pours and/or large aggregate.

### DO

Take care during second pour to ensure that Waterstop is not deformed by the impact of concrete falling into form.

For the second pour on horizontal sections, it may be desirable to make a grout pour over the Waterstop to prevent excessive movement of the Waterstop and to provide positive insurance against honeycombing or voids.

## Fastening In Position



Waterstop should be tied to rebar every 12 inches. Fasten Waterstop between first and second rib on each side. Do not insert fastening beyond second rib, and **MAKE SURE** center bulb is never punctured.

