



## ABCO Products Inc.

Underwater E&P Equipment Systems  
 Umbilical Accessories  
 Control Components and Systems  
 VIV Suppression

**Office:**

7108 West Little York  
 Houston, TX 77040  
 Phone: 713 871 8020  
 Fax: 713 871 0492

### Vertebrae Bend Restrictors (VBR) Inquiry Sheet

The VBR Inquiry Spec Sheet is used to collect necessary information to design a VBR to fit an application. Please submit the request to [sales@abcosubsea.com](mailto:sales@abcosubsea.com) or the fax number above.

Project Name/Ref:			
Type of Umbilical/Cable/Hose/Line: Ex: Pod Hose Umbilical			
Application for above Umbilical:			
Umbilical OD & Tolerance:			
Umbilical Bending Stiffness (EI):			
Umbilical Minimum Bend Radius:		Unit Weight in Air:	
Field Water Depth:			
Structural Interface to VBR: Ex: 4" 300# Flange			
Swept Angle of Protection or Specific Overall Length: Ex: 90° or 115"			
Loads on Bend Restrictor, if known (No spec assumes API rated capacity) :			
Fastener Material (316 SS Standard Specify Variance):		Number of Assemblies:	

Customer Contact:		Contact Phone #	
E-mail:			
Quote Req'd by date:			