

# PHILLYSTRAN® 12 STRAND BRAIDS VECTRAN® (LIQUID CRYSTAL POLYMER)

PART NUMBER	BREAK STRENGTH		DIAMETER		WEIGHT	
	lb	kN	in	mm	lb/1000 ft	kg/km
BR 9500V	9,500	42	1/4	6.4	21.5	32
BR 13000V	13,000	58	5/16	7.9	30.8	46
BR 18500V	18,500	82	3/8	9.5	43.1	64
BR 24000T	24,000	107	7/16	11.1	58.5	87
BR 31000T	31,000	138	1/2	12.7	77	115
BR 38000T	38,000	169	9/16	14.3	99	147
BR 47000T	47,000	209	5/8	15.9	120	179
BR 68000T	68,000	302	3/4	19.1	166.2	247
BR 105000T	105,000	467	1	25.4	301.6	449

Weights and dimensions can vary  
Vectran® is a Registered Trademark of CNA holdings.

**CAUTION:**

**Break Strength:** The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions. Break strength should not be mistaken for safe working load. **Safe Working Load:** Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load. **Wear:** Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write Phillystran.

All printed statements, data and recommendations are based on reliable information and tests, and are presented without any guarantee or warranty. Statements regarding the use of Phillystran's products and processes are not to be construed as recommendations for use in violation of any applicable laws, regulations or patent rights. © All rights reserved.

