

PHILLYSTRAN® TORQUE BALANCED ROPES VECTRAN® LIQUID CRYSTAL POLYMER

187-2/06

Phillystran Torque Balanced Ropes made from high tenacity Vectran® aramid fiber have been engineered for applications where lightweight, high strength and good bending performance are needed. Phillystran PSTB ropes are manufactured in a 36 strand counter-helic construction with overall braided polyester jackets and individual braided jackets on each strand for maximum bending life. Special jackets are available upon request including extruded jackets utilizing various compounds.

PART NUMBER	BREAK STRENGTH		DIAMETER		WEIGHT	
	LBS	kN	IN	mm	LBS/1000 FT	kg/km
PSTB 010V	10,000	45	3/8	9.5	36	54
PSTB 024V	24,000	107	1/2	12.7	90	134
PSTB 048V	48,000	214	3/4	19.1	202	301
PSTB 088V	88,000	391	1	25.4	405	603
PSTB 100V	100,000	445	1-1/4	31.8	566	842
PSTB 132V	132,000	587	1-1/2	38.1	850	1265
PSTB 164V	164,000	730	1-5/8	41.3	1030	1533
PSTB 192V	192,000	854	1-3/4	44.5	1200	1786
PSTB 240V	240,000	1067	2	50.8	1550	2306

Weights and Dimensions can vary
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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, Inc.

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