

PHILLYSTRAN[®] TORQUE BALANCED ROPES SPECTRA[®] / DYNEEMA[®] (High Modulous Polyethylene)

188-2/06

Phillystran Torque Balanced Ropes made from high tenacity Dyneema[®] 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 012	12,000	53	3/8	9.5	27	40
PSTB 030	30,000	133	1/2	12.7	68	101
PSTB 060	60,000	267	3/4	19.1	152	227
PSTB 110	110,000	489	1	25.4	305	454
PSTB 125	125,000	556	1-1/4	31.8	427	635
PSTB 165	165,000	734	1-1/2	38.1	641	954
PSTB 205	205,000	912	1-5/8	41.3	777	1156
PSTB 240	240,000	1068	1-3/4	44.5	905	1346
PSTB 300	300,000	1334	2	50.8	1169	1739

Weights and Dimensions can vary
Spectra[®] is a Registered Trademark of Honeywell
Dyneema[®] is a Registered Trademark of DSM B.V.

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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