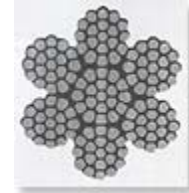


PHILLYSTRAN® WORKING ROPES KEVLAR® / TWARON® (ARAMID)

166-2/06

Corrosion-resistant Phillystran working ropes are designed for dynamic applications where the rope travels over a sheave or pulley, or on a winch. These ropes are used where excellent bending fatigue life is required. Typical applications include lifting, pulling, towing, and mooring lines. Skilled engineers and technicians at Phillystran, Inc. have the experience to design a rope system that incorporates a protective jacket and specialized terminations, with the most appropriate rope construction to meet your every requirement.



PART NUMBER	BREAK STRENGTH		DIAMETER		WEIGHT	
	LBS	kN	IN	mm	LBS/1000 FT	kg/km
PSWR 005	1,300	5.8	1/8	3.2	8	12
PSWR 008	3,700	16.5	3/16	4.8	19	28
PSWR 010	6,700	30	1/4	6.4	38	57
PSWR 020	13,500	60	3/8	10	56	83
PSWR 030	19,500	87	7/16	11	80	120
PSWR 040	24,000	107	1/2	13	100	150
PSWR 050	38,000	169	5/8	16	150	220
PSWR 060	54,000	240	3/4	19	200	300
PSWR 080	95,000	423	1	25	350	520
PSWR 120	120,000	534	1-1/8	29	445	660
PSWR 140	140,000	623	1-1/4	32	495	740
PSWR 180	180,000	801	1-1/2	38	615	920
PSWR 220	220,000	979	1-5/8	41	730	1,090
PSWR 260	260,000	1,157	1-3/4	44	855	1,270
PSWR 300	300,000	1,334	1-7/8	48	1,000	1,490
PSWR 400	400,000	1,779	2-1/8	54	1,300	1,930
PSWR 500	500,000	2,224	2-1/2	64	1,800	2,680
PSWR 600	600,000	2,669	2-3/4	70	2,150	3,200
PSWR 700	700,000	3,114	3	76	2,550	3,790
PSWR 800	800,000	3,559	3-1/4	83	3,000	4,460
PSWR 900	900,000	4,003	3-1/2	89	3,500	5,210
PSWR 1000	1,000,000	4,448	3-5/8	92	4,000	5,950

Weights and Dimensions can vary

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Twaron® is a Registered Trademark of Teijin Twaron B.V. LTD.

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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