THE JAMES WALKER CO.

SYNTHETIC & NATURAL FIBER ROPES

PURE MANILA

AN ALL-PURPOSE, 3-STRAND STANDARD LAY ROPE WHOSE QUALITY IS KNOWN THE WORLD OVER. HANDLES AND FLEXES SUPERBLY. SPECIALLY LUBRICATED TO GIVE LONG SERVICE LIFE. RESISTS WATER AND ABRASION. UNMATCHED TENSILE STRENGTH MEANS LONGER SERVICE. STANDARD LAY SUPPLIED UNLESS OTHERWISE SPECIFIED.

POLYPROPYLENE

OUTSTANDING CHEMICAL RESISTANCE AND DIELECTRIC PROPERTIES. WORKING ELASTICITY LIES BETWEEN NYLON AND MANILA, UNDER NORMAL CONDITIONS. 50% STRONGER THAN MANILA. LIGHTER THAN ANY OTHER COMMERCIAL ROPE.

DACRON*

MORE THAN TWICE AS STRONG AS MANILA, WET OR DRY. WILL NOT STRETCH AS MUCH AS NYLON, ONLY SLIGHTLY MORE THAN MANILA, UNDER NORMAL CONDITIONS. EXCELLENT RESISTANCE TO ABRASION, CHEMICALS AND WEATHERING. RECOMMENDED WHENEVER MINIMUM STRENGTH, HIGH STRENGTH AND DURABILITY ARE NEEDED.

*DuPONT POLYESTER FIBER

NYLON

SIZE FOR SIZE, OVER TWICE AS STRONG AS MANILA. HIGHLY RESISTANT TO FLEXING, CHAFING, ABRASION. GREAT WET STRENGTH RETENTION (ONLY 5 TO 10% LOWER THAN DRY STRENGTH). HIGH STRETCH AND WORKING ELASTICITY PROVIDE EXCELLENT ENERGY ABSORPTION. RESISTANT TO COMMON SOLVENTS AND ALKALIES.

WARNING: DO NOT EXCEED RATED CAPACITIES

SYNTHETIC & NATURAL FIBER ROPES

TENSILE STRENGTHS SHOWN ARE AVERAGE BASED ON NEW ROPES TESTED UNDER LABORATORY CONDITIONS AND CAN VARY BY 10%. WEIGHTS ARE AVERAGE AND MAY VARY BY 5%.

WORKING LOADS ARE EXPRESSED AS A RATIO TO TENSILE STRENGTH.

SPECIFICATIONS

SIZE		POLYPRO		NYLON		POLYESTER		POLY-PLUS®		STEEL LINE®		MANILA		WORKING LOADS*
DIA.	CIR.	Tensile Strength	Lbs. Per 100 Ft.	Tensile Strength	Lbs. Per 100 Ft.	Tensile Strength	Lbs. Per 100 Ft.	Tensile Strength	Lbs. Per 100 Ft.	Tensile Strength	Lbs. Per 100 Ft.	Tensile Strength	Lbs. Per 100 Ft.	★
3/16"	5/8"	800	.70	1,000	1.0	1,000	1.2	—	—	—	—	406	1.5	10:1
1/4"	3/4"	1,250	1.2	1,650	1.5	1,650	2.0	1,300	1.7	—	—	540	2.0	10:1
5/16"	1"	1,900	1.8	2,550	2.5	2,550	3.1	2,000	2.6	—	—	900	2.9	10:1
3/8"	1 1/8"	2,700	2.8	3,700	3.5	3,700	4.5	3,200	3.8	—	—	1,220	4.1	10:1
7/16"	1 1/4"	3,500	3.8	5,000	5.0	5,000	6.2	3,900	4.8	—	—	1,580	5.3	10:1
1/2"	1 1/2"	4,200	4.7	6,400	6.5	6,400	8.0	5,400	6.7	—	—	2,380	7.5	9:1
9/16"	1 3/4"	5,100	6.1	8,000	8.3	8,000	10.2	6,000	7.6	—	—	3,100	10.4	8:1
5/8"	2"	6,200	7.5	10,400	10.5	10,000	13.0	7,200	9.2	—	—	3,960	13.3	8:1
3/4"	2 1/4"	8,500	10.7	14,200	14.5	12,500	17.5	9,800	12.5	—	—	4,860	16.7	7:1
13/16"	2 1/2"	9,900	12.7	17,000	17.0	15,500	21.0	11,200	14.7	—	—	5,850	19.5	7:1
7/8"	2 3/4"	11,500	15.0	20,000	20.0	18,000	25.0	13,500	17.6	—	—	6,950	22.4	7:1
1"	3"	14,000	18.0	25,000	26.4	22,000	30.4	17,000	22.0	—	—	8,100	27.0	7:1
1 1/16"	3 1/4"	16,000	20.4	28,800	29.0	25,500	34.4	18,700	24.5	—	—	9,450	31.2	7:1
1 1/8"	3 1/2"	18,300	23.8	33,000	34.0	29,500	40.0	21,000	27.5	—	—	10,800	36.0	7:1
1 1/4"	3 3/4"	21,000	27.0	37,500	40.0	33,200	46.2	25,000	33.0	—	—	12,200	41.6	7:1
1 5/16"	4"	23,500	30.4	43,000	45.0	37,500	52.5	27,500	37.0	—	—	13,500	47.8	7:1
1 1/2"	4 1/2"	29,700	38.4	53,000	55.0	46,800	67.0	34,000	46.0	38,000	36.6	16,700	60.0	7:1
1 5/8"	5"	36,000	47.6	65,000	66.5	57,000	82.0	41,000	55.0	46,000	45.1	20,200	74.5	7:1
1 3/4"	5 1/2"	43,000	59.0	78,000	83.0	67,800	98.0	51,000	68.0	55,000	54.2	23,800	89.5	7:1
2"	6"	52,000	69.0	92,000	95.0	80,000	118.0	62,000	83.0	66,500	65.6	28,000	108.0	7:1
2 1/8"	6 1/2"	61,000	80.0	106,000	109.0	92,000	135.0	70,000	97.0	77,500	76.5	—	—	7:1
2 1/4"	7"	69,000	92.0	125,000	129.0	107,000	157.0	78,000	108.0	88,000	87.0	—	—	6:1
2 1/2"	7 1/2"	80,000	107.0	140,000	149.0	122,000	181.0	90,000	122.0	103,000	102.0	—	—	6:1
2 5/8"	8"	90,000	120.0	162,000	168.0	137,000	205.0	99,000	138.0	115,000	114.0	—	—	6:1
2 7/8"	8 1/2"	101,000	137.0	180,000	189.0	154,000	230.0	110,000	155.0	130,500	130.0	—	—	6:1
3"	9"	114,000	153.0	200,000	210.0	174,000	258.0	125,000	179.0	145,000	145.0	—	—	6:1
3 1/4"	10"	137,000	190.0	250,000	264.0	210,000	318.0	150,000	215.0	175,000	180.0	—	—	6:1
3 1/2"	11"	162,000	232.0	300,000	312.0	254,000	384.0	170,000	248.0	207,000	220.0	—	—	6:1
4"	12"	190,000	276.0	360,000	380.0	300,000	460.0	200,000	290.0	243,000	261.0	—	—	6:1

WARNING: DO NOT EXCEED RATED CAPACITIES