

# DONALDSON ROPES SPECS SHEET

www.donaldsonropes.com

SIZES			MANILA		POLYPROPYLENE		POLYSTEEL		NYLON		DB NYLON		DB POLYESTER		AMSTEEL BLUE	
Dia. Inch	Dia. mm	Dia. Circ.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.	Pounds per 100 feet	Tensile strength in lbs.
3/16	5	5/8	1.5	450	0.7	800			1.0	1000			1.3	1200	1.0	5400
1/4	6	3/4	2.0	600	1.2	1250	18	1650	1.5	1650	1.5	2000	2.2	2200	1.6	8600
5/16	8	1	2.9	1000	1.8	1900	24	2820	2.5	2550	2.5	3200	3.0	3500	2.7	13700
3/8	9	1 1/8	4.1	1350	2.8	2700	37	3700	3.5	3700	3.5	5100	4.3	5000	3.6	19600
7/16	11	1 1/4	5.3	1750	3.8	3500			5.0	5000	4.3	6600	5.8	6800	4.2	23900
1/2	13	1 1/2	7.5	2650	4.7	4200	62	5100	6.5	6400	6.1	8500	8.0	9100	6.4	34000
9/16	14	1 3/4	10.4	3450	6.1	5100	77	8360	8.3	8000	9.0	10800	10.1	12000	7.9	40500
5/8	16	2	13.3	4400	7.5	6200	95	10640	10.5	10400	11.5	16400	13.3	15600	10.2	52800
3/4	19	2 1/4	16.7	5400	10.7	8500	138	13570	14.5	14200	14.2	20200	18.0	20000	13.3	64400
13/16	20	2 1/2			12.7	9900			17.0	17000						
7/8	22	2 3/4	22.5	7700	15.0	11500	190	18780	20.0	20000	21.0	28100	26.0	28200	19.6	90800
1	25	3	27.0	9000	18.0	14000	220	21730	26.0	25000	24.8	30000	31.5	34000	21.8	109000
1 1/16	27	3 1/4			20.4	16000			29.0	28800					27.5	131000
1 1/8	28	3 1/2	36.0	12000	23.7	18300	293	29000	34.0	33000	35.8	43000	40.0	43200	31.9	148000
1 1/4	32	3 3/4	41.8	13500	27.0	21000	337	33050	40.0	37500	39.1	51600	51.8	51000	36.2	165000
1 5/16	33	4	48.0	15000	30.5	23500	373	37810	45.0	43000	45.8	57600	60.0	54400	41.8	184000
1 1/2	38	4 1/2	60.0	18500	38.5	29700	476	47560	55.0	53000	57.7	74000	74.0	68000	51.7	228000
1 5/8	41	5	74.4	22500	47.5	36000	586	58910	68.0	65000	73.0	91000	86.0	84400	65.2	283000
1 3/4	44	5 1/2	89.5	26500	57.0	43000	680	68000	83.0	78000	85.0	109000	107.3	101000	78.4	335000
2	50	6	108.0	31000	69.0	52000	802	91400	95.0	92000	103.7	129000	124.0	118000	87.0	381000
2 1/8	54	6 1/2			80.0	61000			109.0	106000	122.0	149000	146.0	138000	109	457000
2 1/4	57	7			92.0	69000	1085	120600	129.0	125000	125.0	171000	169.0	158000	116	537000
2 1/2	63	7 1/2			107.0	80000	1244	137800	149.0	140000	163.0	195000	195.0	181000	148	588000
2 5/8	66	8			120.0	90000	1411	155000	168.0	162000					167	662000
2 7/8	73	8 1/2			137.0	101000			189.0	180000						
3	76	9			153.0	114000	1781	197100	210.0	200000					206	832000
3 1/4	82	10			190.0	137000	2200	238600	263.0	250000					240	1007000
3 1/2	88	11			232.0	162000			316.0	300000						
4	100	12			275.0	190000	3145	336600	379.0	360000						