

DONALDSON ROPES SPECS SHEET

www.donaldsonrope.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	600	1.2	1250	1.5	1650	1.5	1650	1.5	2000	2.2	2200	1.6	8600
5/16	8	1	2.9	1000	1.8	1900	2	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	3	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	5	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		8360	8.3	8000	9.0	10800	10.1	12000	7.9	40500
5/8	16	2	13.3	4400	7.5	6200	8	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	11	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	15	18780	20.0	20000	21.0	28100	26.0	28200	19.6	90800
1	25	3	27	9000	18.0	14000	18	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	12000	23.7	18300		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	28	22050	40.0	37500	39.1	51600	51.8	51000	36.2	165000
1 5/16	33	4	48	15000	30.5	23500		37810	45.0	43000	45.8	57600	60.0	54400	41.8	184000
1 1/2	38	4 1/2	60	18500	38.5	29700	39	47560	55.0	53000	57.7	74000	74.0	68000	51.7	228000
1 5/8	41	5	74.4	22500	47.5	36000	48	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	56	68000	83.0	78000	85.0	109000	107.3	101000	78.4	335000
2	50	6	108	31000	69.0	52000	66	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	97	120600	129.0	125000	125.0	171000	169.0	158000	116	537000
2 1/2	63	7 1/2			107.0	80000	109	137800	149.0	140000	163.0	195000	195.0	181000	148	588000
2 5/8	66	8			120.0	90000	122	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	155	197100	210.0	200000					206	832000
3 1/4	82	10			190.0	137000		238600	263.0	250000					240	1007000
3 1/2	88	11			232.0	162000			316.0	300000						
4	100	12			275.0	190000		336600	379.0	360000						