

# Steel Wire Rope Sling Chart

6 x 19 6 x 36 GROUPS STEEL CORE								6 x 19 6 x 36 GROUPS FIBRE CORE							
SAFE WORKING LOAD								SAFE WORKING LOAD							
ROPE DIA.	SINGLE LEG	LEG ANGLE					MIN BREAK LOAD	ROPE DIA.	SINGLE LEG	LEG ANGLE					MIN BREAK LOAD
		0-90° 2 LEG	90-120° 2 LEG	0-90° 3&4 LEG	90-120° **3 LEG	90-120° 4 LEG				0-90° 2 LEG	90-120° 2 LEG	0-90° 3&4 LEG	90-120° **3 LEG	90-120° 4 LEG	
mm	tonne	tonne	tonne	tonne		tonne	tonne	tonne	tonne	tonne		tonne	tonne		
8	0.822	1.2	0.822	1.7		1.2	4.11	5	0.278	0.389	0.278	0.584		0.417	1.39
9	1.0	1.5	1.0	2.1	N	1.6	5.20	6	0.398	0.560	0.398	0.840	N	0.600	2.00
10	1.3	1.8	1.3	2.7	O	1.9	6.42	8	0.762	1.1	0.762	1.6	O	1.1	3.81
11	1.6	2.1	1.6	3.3	T	2.3	7.77	9	0.962	1.3	0.962	2.0	T	1.4	4.82
12	1.8	2.6	1.8	3.9		2.8	9.25	10	1.2	1.7	1.2	2.5		1.8	5.95
13	2.2	3.0	2.2	4.5		3.2	10.8	11	1.4	2.0	1.4	3.0		2.2	7.21
14	2.5	3.5	2.5	5.3	R	3.8	12.6	12	1.7	2.4	1.7	3.6	R	2.6	8.57
16	3.3	4.6	3.3	6.9	E	4.9	16.4	13	2.0	2.8	2.0	4.2	E	3.0	10.1
18	4.2	5.8	4.2	8.7	C	6.2	20.8	14	2.3	3.2	2.3	4.9	C	3.5	11.6
19	4.6	6.5	4.6	9.7	O	6.9	23.1	16	3.0	4.3	3.0	6.4	O	4.6	15.3
20	5.1	7.2	5.1	10.8	M	7.7	25.7	18	3.8	5.4	3.8	8.1	M	5.8	19.3
22	6.2	8.7	6.2	13.1	M	9.3	31.1	19	4.3	6.0	4.3	9.0	M	6.5	21.9
24	7.4	10.4	7.4	15.5	E	11.1	37.0	20	4.8	6.7	4.8	10.0	E	7.2	23.9
26	8.7	12.2	8.7	18.2	N	13.0	43.4	22	5.8	8.1	5.8	12.1	N	8.6	28.8
28	10.1	14.1	10.1	21.2	D	15.1	50.4	24	6.8	9.6	6.8	14.4	D	10.3	34.3
32	13.1	18.4	13.1	27.6	E	19.7	65.7	26	8.0	11.3	8.0	16.9	E	12.1	40.3
35	15.7	22.0	15.7	33.1	D	23.6	78.7	28	9.3	13.1	9.3	19.6	D	14.0	46.7
36	16.7	23.3	16.7	35.0		25.0	83.3	32	12.2	17.1	12.2	25.6		18.3	61.0
38	18.6	26.0	18.6	39.0		27.8	92.8	35	14.6	20.4	14.6	30.7		21.9	73.0
40	20.6	28.8	20.6	43.3		30.9	103.0	36	15.4	21.6	15.4	32.4		23.2	77.2
44	24.8	34.7	24.8	52.1		37.2	124.0	38	17.2	24.1	17.2	36.1		25.8	85.9
48	29.6	41.4	29.6	62.2		44.4	148.0	40	19.0	26.7	19.0	40.0		28.6	95.3
52	34.8	48.7	34.8	73.1		52.2	174.0								
54	37.4	52.4	37.4	78.5		56.1	187.0								
56	40.2	56.3	40.2	84.4		60.3	201.0								
60	46.2	64.7	46.2	97.0		69.3	231.0								
64	54.8	76.7	54.8	115.1		82.2	274.0								
71	66.6	93.2	66.6	139.9		99.9	333.0								
77	77.8	108.9	77.8	163.4		116.7	389.0								

THESE TABLES ARE COMPILED IN COMPLIANCE WITH BS1290: 1983, BS302 (PT2): 1987 & BS302 (PT7):1989. UNIFORM LOAD METHOD CALCULATION USED ENTIRELY. NB: SAFE WORKING LOADS LESS THAN ONE TONNE ARE IN KILOGRAMS

\*\*90-120° 3-LEG LIFTS ARE NOT RECOMMENDED

As with all items of lifting equipment wire rope slings should be inspected by a competent person at regular intervals and before each use,

R & G Marine & Industrial Services Limited can manufacture wire rope slings to customers requirements and offer full inspection and testing to assist clients to comply with LOLER regulations.

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