



Hyfil T6

Regular Lay	Lang's Lay	Compacted	Rotary Swaged	PI
●		●	●	●

● Benefits of Hyfil T6

- Hyfil T6 is a flexible steel-plastic combination rope with double parallel layed strands. All strands are compacted and rotary swaged.
- Hyfil T6 has an extremely high breaking strength and is very resistant against abrasion.
- Hyfil T6 is suitable for multi layer spooling systems with guided loads.
- Hyfil T6 is fully lubricated and made out of galvanized/ungalvanized wires.
- Hyfil T6 must not be used with a swivel.



Discard criteria

(The number of break in the load bearing wires in outer strands)

Length	Lang's Lay	
	6xd	30xd
discard	19	38

● The basic designed data of hyfil T6

Size	12- 32
Total number of wire	224
Number of load-bearing wires in outer strands	156
The number of outer wire in outer strand	60
Average fill factor	0.72

Nominal rope diameter		Diameter tolerance		Approximate unit Wt.		Minimum breaking force (Fmin, MBF)			
						Metric unit		Imperial unit	
		min.	max.			1960 Grade		1960 Grade	
mm	inch	mm	mm	kg/m	lb/ft	kN	t(metric)	kib	t(short)
12		12.0	12.5	0.711		135.6	13.8		
(12.7)	1/2	12.7	13.2		1.19			34.1	17.1
13		13.0	13.5	0.835		159.0	16.2		
14		14.0	14.6	0.968		184.4	18.8		
(14.3)	9/16	14.3	14.9		1.50			43.2	21.6
15		15.0	15.6	1.11		211.7	21.6		
(15.9)	5/8	15.9	16.5		1.88			54.1	27.1
16		16.0	16.6	1.26		240.8	24.6		
18		18.0	18.7	1.60		304.8	31.1		
19		19.0	19.8	1.78		339.2	34.6		
(19.1)	3/4	19.1	19.9		2.65			76.3	38.1
20		20.0	20.8	1.98		375.9	38.3		
22		22.0	22.9	2.39		454.8	46.4		
(22.2)	7/8	22.2	23.1		3.62			104.1	52.1
24		24.0	25.0	2.84		541.3	55.2		
25		25.0	26.0	3.09		587.3	59.9		
(25.4)	1	25.4	26.4		4.74			136.3	68.1
26		26.0	27.0	3.34		635.3	64.8		
27		27.0	28.1	3.60		685.1	69.9		
28		28.0	29.1	3.87		736.8	75.1		
(28.6)	1-1/8	28.6	29.7		6.01			172.8	86.4
29		29.0	30.2	4.15		790.3	80.6		
30		30.0	31.2	4.44		845.8	86.2		
31		31.0	32.2	4.75		903.1	92.1		
(31.8)	1-1/4	31.8	33.1		7.52			216.3	108.2
32		32.0	33.3	5.06		962.3	98.1		

: Available upon request