



Hyfil 8

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

● Benefits of Hyfil 8

- Hyfil 8 has a plastic layer between the core and the compacted outer strands.
- Hyfil 8 has a high breaking load and good structural stability.
- Hyfil 8 is fully lubricated and made out of galvanized/ungalvanized wires.
- Hyfil 8 is suitable for multy layer spooling
- Hyfil 8 has a good resistance against drum crushing. - Hyfil 8 must not be used with a swivel.



● Discard criteria

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

Length	Regular Lay		Lang's Lay	
	6xd	30xd	6xd	30xd
discard	18	35	9	18

● The basic designed data of hyfil 8

Size	12- 42	42- 48	42- 54
Total number of wire	341	381	421
Number of load-bearing wires in outer strands	208	248	288
The number of outer wire in outer strand	80	96	112
Average fill factor	0.67		

Nominal rope diameter		Diameter tolerance		Approximate unit Wt.		Minimum breaking force (Fmin, MBF)								
						Metric unit				Imperial unit				
						1960 Grade		2160 Grade		1960 Grade		2160 Grade		
mm	inch	min.	max.	kg/m	lb/ft	kN	t(metric)	kN	t(metric)	klb	t(short)	klb	t(short)	
12		12.0	12.5	0.660		126.7	12.9	135.5	13.8					
(12.7)	1/2	12.7	13.2		1.10					31.9	15.9	34.1	17.1	
13		13.0	13.5	0.775		148.7	15.2	159.0	16.2					
14		14.0	14.6	0.899		172.4	17.6	184.5	18.8					
(14.3)	9/16	14.3	14.9		1.40					40.4	20.2	43.3	21.6	
15		15.0	15.6	1.03		197.9	20.2	211.7	21.6					
(15.9)	5/8	15.9	16.5		1.75					50.6	25.3	54.1	27.1	
16		16.0	16.6	1.17		225.0	22.9	240.7	24.5					
18		18.0	18.7	1.49		284.7	29.0	304.6	31.1					
19		19.0	19.8	1.66		317.2	32.3	339.4	34.6					
(19.1)	3/4	19.1	19.9		2.46					71.3	35.7	76.3	38.1	
20		20.0	20.8	1.83		351.5	35.8	376.1	38.3					
22		22.0	22.9	2.22		425.3	43.4	455.0	46.4					
(22.2)	7/8	22.2	23.1		3.36					97.4	48.7	104.2	52.1	
24		24.0	25.0	2.64		506.2	51.6	541.5	55.2					
25		25.0	26.0	2.87		548.7	55.9	587.0	59.9					
(25.4)	1	25.4	26.4		4.40					127.3	63.7	136.2	68.1	
26		26.0	27.0	3.10		593.4	60.5	634.9	64.7					
27		27.0	28.1	3.34		640.0	65.3	684.7	69.8					
28		28.0	29.1	3.59		688.2	70.2	736.4	75.1					
(28.6)	1-1/8	28.6	29.7		5.58					161.4	80.7	172.7	86.4	
29		29.0	30.2	3.86		738.3	75.3	789.9	80.5					
30		30.0	31.2	4.13		790.1	80.6	845.3	86.2					
31		31.0	32.2	4.41		843.6	86.0	902.6	92.0					
(31.8)	1-1/4	31.8	33.1		6.99					202.1	101.0	216.2	108.1	
32		32.0	33.3	4.70		898.9	91.7	961.8	98.1					
33		33.0	34.3	4.99		956.0	97.5	1,022.8	104.3					
34		34.0	35.4	5.30		1,014.8	103.5	1,085.8	110.7					
(34.9)	1-3/8	34.9	36.3		8.36					241.7	120.9	258.6	129.3	
35		35.0	36.4	5.62		1,075.4	109.7	1,150.6	117.3					
36		36.0	37.4	5.94		1,137.7	116.0	1,217.2	124.1					
38		38.0	39.5		9.85	1,267.6	129.3	1,356.3	138.3					
(38.1)	1-1/2	38.1	39.6	6.62						285.0	142.5	304.9	152.4	
40		40.0	41.6	7.34		1,404.6	143.2	1,502.8	153.2					
(41.3)	1-5/8	41.3	43.0		11.64					336.6	168.3	360.1	180.1	
42		42.0	43.7	8.09		1,548.6	157.9	1,656.8	168.9					
44		44.0	45.8	8.88		1,699.6	173.3	1,818.4	185.4					
(44.5)	1-3/4	44.5	46.3		13.51					390.8	195.4	418.1	209.1	
45		45.0	46.8	9.57		1,777.7	181.3	1,901.9	193.9					
46		46.0	47.8	9.70		1,857.6	189.4	1,987.4	202.7					
(47.6)	1-7/8	47.6	49.5		15.40					445.3	222.6	476.4	238.2	
48		48.0	49.9	10.56		2,022.6	206.2	2,164.0	220.7					
50		50.0	52.0	11.46		2,194.7	223.8	2,348.1	239.4					
(50.8)	2	50.8	52.8		17.61					509.3	254.6	544.9	272.4	
52		52.0	54.1	12.40		2,373.8	242.0	2,539.7	259.0					
54		54.0	56.2	13.37		2,559.9	261.0	2,738.8	279.3					

Available upon request :

hyrope 04_05