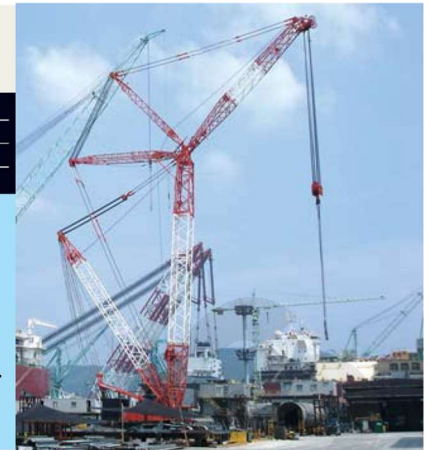


# Hylift 16

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



## • Benefits of Hylift 16

- Hylift 16 is the most suitable rope for high lifting height application.
- Hylift 16 is a rotation resistant rope, and made with compacted both parts of outer strands and inner strands
- Hylift 16 has an extremely high breaking strength with a very strong resistance against drum crushing.
- The rope is fully lubricated and made of galvanized/ungalvanized wires.

## • Discard criteria

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

Length	Lang's Lay	
	6xd	30xd
discard	5	10

## • The basic designed data of hylift 16

Size	10~ 40
Total number of wire	245
Number of load-bearing wires in outer strands	112
The number of outer wire in outer strand	96
Average fill factor	0.74

Nominal rope diameter		Diameter tolerance		Approximate unit Wt.		Minimum breaking force (Fmin, MBF)								
						Mertic unit				Imperial unit				
						1960 Grade		2160 Grade		1960 Grade		2160 Grade		
mm	inch	min. mm	max. mm	kg/m	lb/ft	kN	t(metric)	kN	t(metric)	klb	t(short)	klb	t(short)	
10		10.0	10.4	0.510		91.8	9.4	97.9	10.0					
(11.1)	7/16	11.1	11.5		0.919					25.0	12.5	26.6	13.3	
12		12.0	12.5	0.735		132.2	13.5	141.0	14.4					
(12.7)	1/2	12.7	13.2		1.22					33.3	16.6	35.5	17.8	
13		13.0	13.5	0.862		155.1	15.8	165.5	16.9					
14		14.0	14.6	1.00		179.9	18.3	192.0	19.6					
(14.3)	9/16	14.3	14.9		1.55					42.2	21.1	45.0	22.5	
15		15.0	15.6	1.15		206.5	21.1	220.4	22.5					
(15.9)	5/8	15.9	16.5		1.94					52.8	26.4	56.4	28.2	
16		16.0	16.6	1.31		235.0	24.0	250.7	25.6					
18		18.0	18.7	1.65		297.4	30.3	317.3	32.4					
19		19.0	19.8	1.84		331.0	33.8	353.2	36.0					
(19.1)	3/4	19.1	19.9		2.74					74.4	37.2	79.4	39.7	
20		20.0	20.8	2.04		366.8	37.4	391.4	39.9					
22		22.0	22.9	2.47		443.8	45.3	473.6	48.3					
(22.2)	7/8	22.2	23.1		3.74					101.6	50.8	108.4	54.2	
24		24.0	25.0	2.94		528.2	53.9	563.6	57.5					
25		25.0	26.0	3.19		573.1	58.4	611.5	62.4					
(25.4)	1	25.4	26.4		4.90					133.0	66.5	141.9	71.0	
26		26.0	27.0	3.45		619.9	63.2	661.4	67.4					
27		27.0	28.1	3.72		668.5	68.2	713.3	72.7					
28		28.0	29.1	4.00		718.9	73.3	767.1	78.2					
(28.6)	1-1/8	28.6	29.7		6.21					168.4	84.2	179.7	89.9	
29		29.0	30.2	4.29		770.4	78.6	822.1	83.8					
30		30.0	31.2	4.59		824.4	84.1	879.7	89.7					
31		31.0	32.2	4.90		880.3	89.8	939.4	95.8					
(31.8)	1-1/4	31.8	33.1		7.78					210.9	105.4	225.0	112.5	
32		32.0	33.3	5.23		938.0	95.6	1,000.9	102.1					
33		33.0	34.3	5.56		997.6	101.7	1,064.5	108.5					
34		34.0	35.4	5.90		1,058.9	108.0	1,130.0	115.2					
(34.9)	1-3/8	34.9	36.3		9.30					252.3	126.1	269.2	134.6	
35		35.0	36.4	6.25		1,122.1	114.4	1,197.4	122.1					
36		36.0	37.4	6.61		1,187.2	121.1	1,266.8	129.2					
38		38.0	39.5	7.37		1,322.8	134.9	1,411.5	143.9					
(38.1)	1-1/2	38.1	39.6		10.97					297.4	148.7	317.3	158.6	
40	40.0	41.6	8.16			1,465.7	149.4	1,564.0	159.5					

Available upon request :

hyrope 08\_09