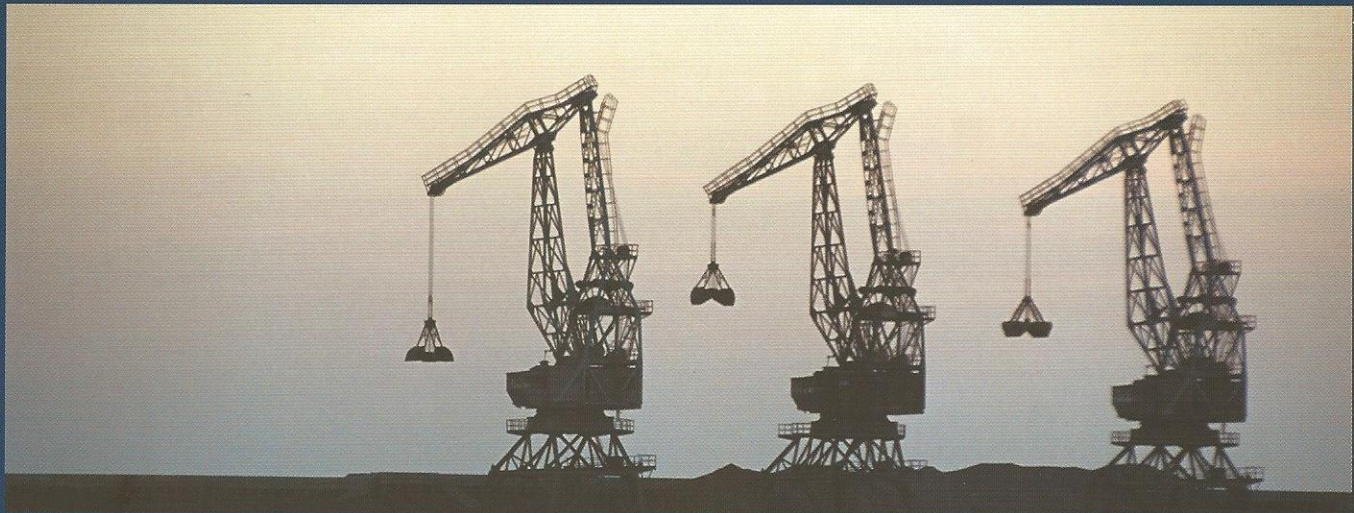


# MONO TRACK ROPE



# MONO TRACK ROPE

MONO TRACK ROPE is a collective composition of tough steel wires. It has various usages in a wide range of fields due to its properties of "High strength" and "Flexibility" being worthy of an important mechanical element of modern industry.

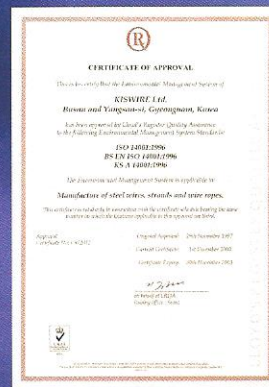
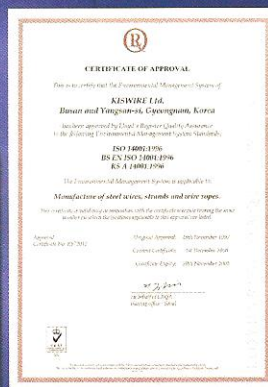
To meet these demands, we made research and development and manufactured wire ropes with excellent "Rotating-Resistant" property. The evil nature of the wire rope is controlled to its minimum with this MONO TRACK ROPE, which has been confirmed through many field tests, these products are herein introduced which we name MONO TRACK ROPE

- 1) Manufactured by the most advanced production facilities and precision technology.
- 2) Processed under the Quality Control System approved by the ISO 9001 accreditation, from raw materials to finished products.

## Quality Assurance

KISWIRE has been always trying their best to upgrade the quality and recently succeeded in having accreditation to ISO 9001/14001 so as to keep the more reliable quality assurance.

(please see the below copied certificate of approval.)



## Application

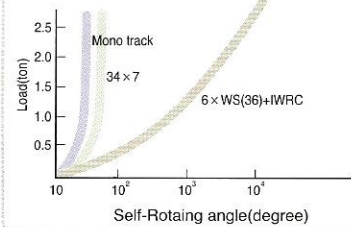
Hoisting single-rope crane, Deck crane, Ship crane, Mobile crane, Jip crane & for other similar applications

# FEATURES

## 1. Higher rotation resistant

Does match in multiple parts hoisting mechanism system.

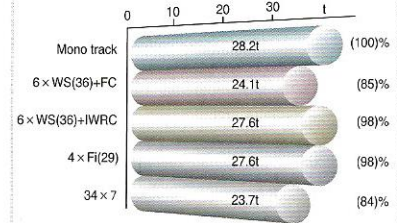
**Self-Rotating Property** wire rope dia : 12mm  
Luffing height : 10mm



## 2. Increased Breaking Strength

The Breaking Strength of Mono Track Rope is higher than that of 6-strand ropes of equivalent diameter:hence the margin of safety factor stays higher than other types of rope.

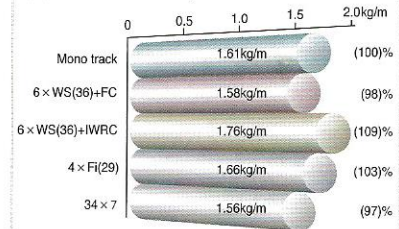
**Comparison of Breaking Strength**  
(20mm, usual grade)



## 3. higher flexibility

With fibre cores in each strand and fiber rope core, it becomes more flexible to handle at operation.

**Comparison of approximate weight**  
(rope diameter : 20mm)

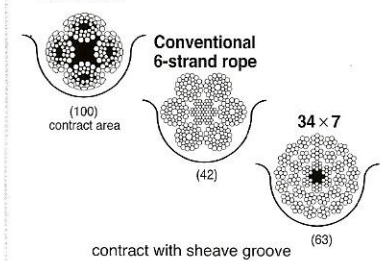


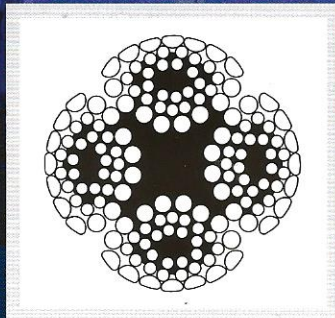
## 4. Intense Resistance against Abrasion

With the surface of strand and being flattened to have wider contact area between sheave and rope.

Mono Track Rope features an intense resistance against abrasion, because it has very little local abrasion owing to the small pressure applied to individual wires.

**Mono track**

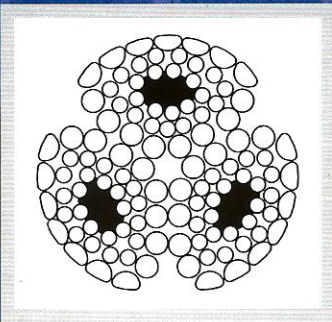




Application :Crane, Hoist

## 4 × 39(SES)

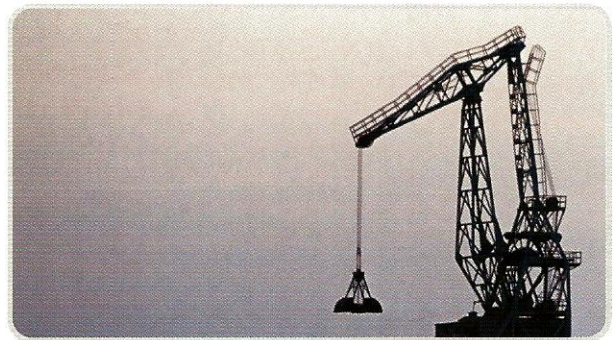
Diameter of Rope mm	Minimum Breaking Load				Approx. Weight per meter(kg/m)	Max. Length(m)
	H grade		SH grade			
	kN	Tonnef	kN	Tonnef		
10	63.9	6.52	69.2	7.06	0.41	2,000
11.2	80.3	8.19	87.0	8.87	0.51	1,500
12	89.0	9.08	96.5	9.84	0.59	1,000
12.5	100.0	10.20	108.9	11.10	0.63	1,000
14	125.7	12.82	136.3	13.90	0.80	2,500
16	163.8	16.70	177.5	18.10	1.04	2,200
18	208.7	21.28	225.6	23.00	1.34	3,500
19	231.4	23.60	251.1	25.60	1.49	2,500
20	256.0	26.10	277.5	28.30	1.63	2,500
22.4	321.7	32.80	348.1	35.50	2.05	2,500
24	356.0	36.30	385.4	39.30	2.35	1,800
25	399.1	40.70	432.5	44.10	2.55	1,800
26	431.5	44.00	466.8	47.60	2.76	1,800
28	502.1	51.20	543.3	55.40	3.25	3,000
30	575.7	58.70	623.7	63.60	3.73	2,700
31.5	634.5	64.70	687.5	70.10	4.11	1,900
32	655.1	66.80	709.0	72.30	4.24	1,900
33.5	717.8	73.20	777.7	79.30	4.65	1,900
35.5	806.1	82.20	872.8	89.00	5.22	1,900
37.5	899.3	91.70	973.8	99.30	5.82	1,400
40	1,000.3	102.00	1,078.7	110.00	6.63	1,400
42.5	1,127.8	115.00	1,225.8	125.00	7.48	1,100
45	1,255.3	128.00	1,372.9	140.00	8.38	1,100

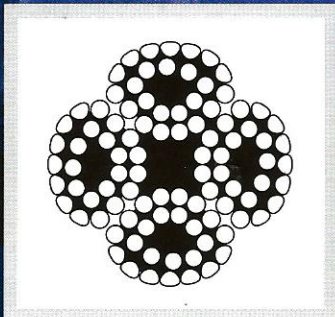


Application :Crane, Hoist

**3 × 39(S)**

Diameter of Rope mm	Minimum Breaking Load				Approx. Weight per meter(kg/m)	Max. Length(m)
	H grade		SH grade			
	kN	Tonnef	kN	Tonnef		
8	43.8	4.47	48.2	4.92	0.26	1,500
9	55.5	5.66	61.1	6.23	0.32	1,000
10	68.5	6.99	75.4	7.69	0.40	1,000
11.2	86.0	8.77	94.6	9.65	0.50	2,000
12	99.0	10.10	108.9	11.10	0.58	2,000
12.5	106.9	10.90	117.7	12.00	0.63	2,000
14	134.4	13.70	148.1	15.10	0.79	2,000
16	175.5	17.90	193.2	19.70	1.02	2,500
18	221.6	22.60	244.2	24.90	1.30	2,500
19	247.1	25.20	272.6	27.80	1.44	1,900
20	274.6	28.00	302.0	30.80	1.60	1,900
22	331.5	33.80	364.8	37.20	1.94	1,900
22.4	344.2	35.10	378.5	38.60	2.01	1,900
24	395.2	40.30	434.4	44.30	2.30	1,300
25	428.6	43.70	471.7	48.10	2.50	1,300
26	463.9	47.30	509.9	52.00	2.70	1,300
28	537.4	54.80	591.3	60.30	3.14	2,000





Application :  
For electricity cable lay-down

**4 × 24**

Diameter of Rope mm	Minimum Breaking Load				Approx. Weight per meter(kg/m)	Max. Length(m)
	H grade		SH grade			
	kN	Tonnef	kN	Tonnef		
8	32.0	3.26	35.1	3.58	0.25	2,000
9	40.4	4.12	44.4	4.53	0.31	2,000
10	49.9	5.09	54.9	5.60	0.39	2,000
11.2	62.6	6.38	68.8	7.02	0.49	1,500
12	71.9	7.33	79.0	8.06	0.56	1,000
12.5	78.0	7.95	85.8	8.75	0.61	1,000
14	97.8	9.97	107.9	11.00	0.76	2,500
16	127.5	13.00	140.2	14.30	0.99	2,500
18	161.8	16.50	177.5	18.10	1.25	2,000
20	200.1	20.40	219.7	22.40	1.55	1,900
22	241.2	24.60	265.8	27.10	1.87	1,500
22.4	250.1	25.50	275.6	28.10	1.94	1,500
24	287.3	29.30	315.8	32.20	2.23	1,300
25	311.9	31.80	343.2	35.00	2.42	1,200
26	337.3	34.40	370.7	37.80	2.61	1,100
28	391.3	39.90	430.5	43.90	3.03	900
30	449.1	45.80	494.3	50.40	3.48	850



## How to Order Wire Ropes

To avoid errors it is necessary, when asking for quotations or placing orders, that the required rope be accurately specified. The best procedure is to use the Specification given in a previous order confirmation or invoice.

If the required rope has not been ordered before, please state the following data:

1. Construction (Ex. 4 × 39(SES))
2. Diameter (Ex. 25mm)
3. Direction and Type of Lay (Ex. Right Hand Regular Lay)
4. Lubrication (Ex. A-2 type)
5. Breaking Strength (Ex. SH Grade)
6. Packing Method (Ex. Wooden Reel)
7. Usage (Ex. Deck Crane.)

If parts of these data are not stated, the rope will be supplied in the nearest current type. It is therefore, recommended always to state the service for which the rope is intended.

Clients who require our advice on improving the service life of ropes for an existing installation should furnish the following information:

1. the data of the ropes used so far (see above) and their performance in actual practice
2. a reeving diagram including all data on sheaves and drums such as diameters, size of grooves, groove spacing, pitch of grooves on the drum, lifting height etc.
3. intensity of service
4. nominal and maximum loads
5. number of layers of the rope on the drum with lifted load
6. special conditions, such as corrosive atmosphere, high temperature exposure etc.

On the basis of this data we will be able to give expert advice on the type of rope to be used.

### CAUTIONS & WARNINGS

KISWIRE shall not be liable under any circumstances for consequential or incidental damages resulting from the use of their products relating to personal injury, labor, cost or loss of profits.

KISWIRE agrees to replace any of its product to be defective in material.

**WARNING** : Any warranties, expressed or implied concerning the use of this product apply only to the nominal strength of new, unused wire rope.

All equipment using this product must be properly used and maintained. Wire rope must be properly stored, handled, used and maintained.

Most importantly, wire rope must be regularly inspected during use.

Damage, abuse or improper maintenance can cause rope failure. Wire rope removal criteria are based on the use of steel sheaves.

If synthetic sheaves are used, consult the sheave equipment manufacturer.

# KISWIRE INTERNATIONAL SERVICE NETWORK



- Overseas Factory / R&D Center
- Overseas Office

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Chung-Ku, Seoul, Korea  
Tel. 82-2-3166-114 / Fax. 82-2-3166-115

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Tel. 31-183-666060 / Fax. 31-183-665021

## 16 KISWIRE TRADING, INC.

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Tel. 1-201-461-8895 / Fax. 1-201-461-8021

## 17 ARCELORMITTAL-KISWIRE LTD.

202 Montros West Avenue Suite No. 325 Copley Township Ohio 44321  
Tel. 1-330-670-8310 / Fax. 1-330-670-8429

## 3 QINGDAO KISWIRE ARCELORMITTAL LTD.

279 Huashan, No 1 Road, Jimo, Qingdao,  
Shandong China  
Tel. 86-532-8859-0118 / Fax. 86-532-8859-0119

## 4 KISWIRE QINGDAO LTD.

No. 600 Chuangye Road, Qingdao Development Zone,  
Qingdao, P.R. China 266510  
Tel. 86-532-8682-1903 Fax. 86-532-8682-1949

## 5 YANGTZE KISWIRE ARCELORMITTAL LTD.

No. 45 Zhongyang Road, Economic & Technological Development Zone,  
Nantong City, Jiangsu, China  
Tel. 86-513-8598-0111 Fax. 86-513-8598-0119

## 6 KISWIRE FINE METAL (Qingdao) LTD.

Qingdao Export Process Zone, Shandong, P.R. China  
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## 7 KISWIRE SDN. BHD.

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Tel. 60-7-251-2475 / Fax. 60-7-251-0870

### KOTA KISWIRE

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Tel. 60-7-340-4000 / Fax. 60-7-331-0475

### KISWIRE CORD SDN. BHD.

Plo 475, Jalan Nibong, Kawasan Perindustrian Tanjung Langsat,  
81700 Pasir Gudang, Johor, Malaysia  
Tel. 60-7-255-1475 / Fax. 60-7-255-2475

### KISWIRE SAW-TECH SDN. BHD.

Plo 475B, Jalan Nibong, Kawasan Perindustrian Tanjung Langsat,  
81700 Pasir Gudang, Johor, Malaysia  
Tel. 60-7-252-7503 / Fax. 60-7-255-2475

### KISWIRE NEPTUNE SDN.BHD.

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### KISWIRE DIES SDN. BHD.

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81700 Pasir Gudang, Johor, Malaysia  
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## 8 VIETNAM KISWIRE ARCELORMITTAL LTD.

Lot A - 5A - CN, Bau Bang IP, Ben Cat Town,  
Binh Duong Province, Vietnam  
Tel. 84-650-551-617 / Fax. 84-650-551-614

## 9 KISWIRE JAPAN CO.(Tokyo)

Ohtori Bldg., #7F 4-5 Oodenma-Cho, Nihonbashi Chuo-Ku, Tokyo, Japan  
Tel. 81-3-3808-2839 / Fax. 81-3-3808-2835

## 10 KISWIRE JAPAN CO.(Osaka)

Kiswel Bldg 4F, 3-8-24, Nanbanaka, Naniwa-Ku, Osaka, Japan  
Tel. 81-6-6636-6607 / Fax. 81-6-6636-7751

## 11 KISWIRE(Shanghai)TRADING CO.,LTD SHANGHAI BRANCH

Rm 908-909, Maxdo Center, No.8, Xing Yi Road,  
Hong Qiao Development Zone, Shanghai, China  
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## 12 KISWIRE LTD. (Beijing Representative Office)

Room 808, Air China Plaza, No.36, Xiaoyun Road,  
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Johor, Malaysia  
Tel. 60-7-333-0178 / Fax. 60-7-333-2475

## 14 KISWIRE SDN. BHD B K.K BRANCH OFFICE (Bangkok)

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140 Sukhumvit Road, Klongtoey, Bangkok 10110  
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## 15 KISWIRE SINGAPORE LTD.

101 Cecil Street #16-10 Tong Eng Building, Singapore 069533  
Tel. 656-227-0939 / Fax. 656-227-2297