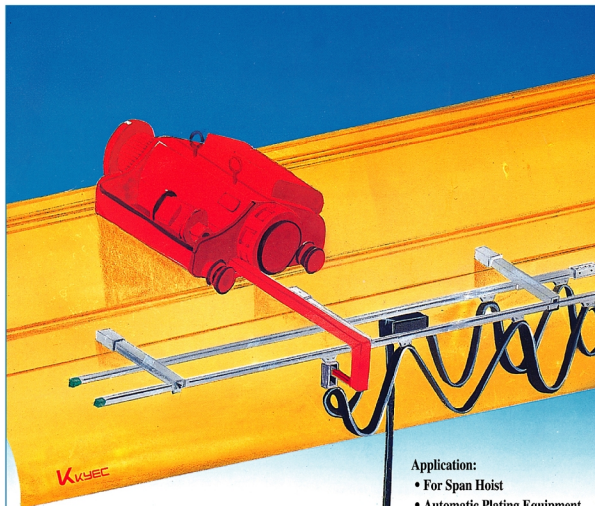


KYEC® C Track

Flat Cable Power Supply System



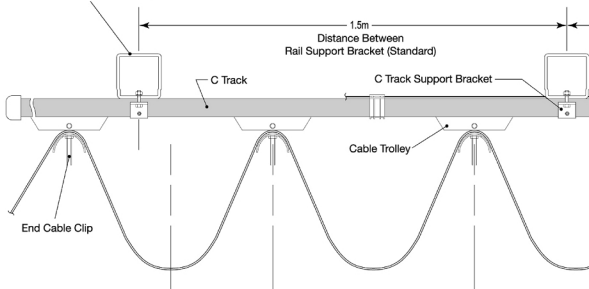
- Part 1 Design (P1)**
- Part 2 PVC Flat Cable (P4)**
- Part 3 C30 Track Design & Chart (P5)**
- Part 4 C40 Track Design & Chart (P7)**
- Part 5 Aluminum Track Design & Chart (P8)**
- Part 6 Installments (P10)**
- Part 7 Diamond Track (P11)**

Application:

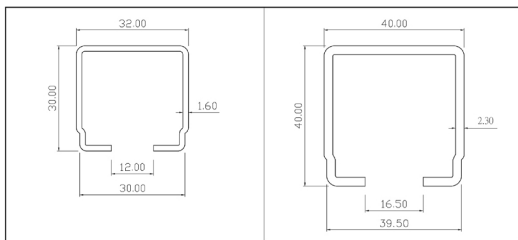
- For Span Hoist
- Automatic Plating Equipment
- Power Supply of Wastewater Treatment Facility
- Stone Factory \ Moving Control System
- Heavy Machines or Movable Power Supply

Part 1 Design

Support Bracket (It's feasible to cut a short C Track as a substitute)



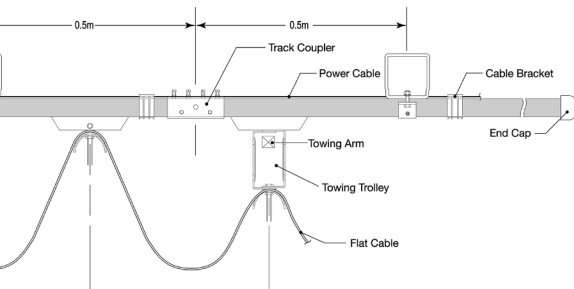
1. Structure Data



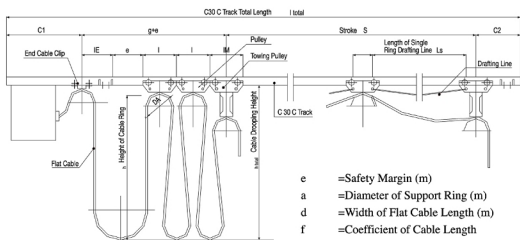
C30 C-rail Cross Section Chart

C40 C-rail Cross Section Chart

Type	Material	Length (mm)	Length Tolerance (mm)	Thickness (mm)	Physics Characteristic			Weight (Kg/m)
					I _x (cm ⁴)	W _x (cm ³)	e (mm)	
KYEC-BC3030	Galvanized Steel	3000	±5	1.6±0.1	1.97	1.23	16	1.15±0.1
KYEC-BC4030	Galvanized Steel	3000	±5	2.3±0.1	6.74	3.08	21.6	2.23±0.1



2. Layout



- e = Safety Margin (m)
 a = Diameter of Support Ring (m)
 d = Width of Flat Cable Length (m)
 f = Coefficient of Cable Length
 L_{total} = Total Length of Cable (m)
 L_{loop} = Length of Single Ring Cable (m)
 L_s = Length of the Single Ring Drafting Line (m)

- I_{total} = Total Length of C30 or C40 Track
 s = L Stroke (m)
 h = Height of Cable Ring (m)
 h_{Total} = Cable Drooping Height (m)
 n = Quantity of Cable Ring
 g = Length Needed of Pulley and Its Accessories (m)
 l = Length of Pulley (m)

$$n = f \times \frac{s+g}{2h} \quad h = f \times \frac{s+g}{2n}$$

$f=1.1$ (Sliding Speed 50m/min)

3. C30、C40 Track Design Information

1. C30 Track Known Data

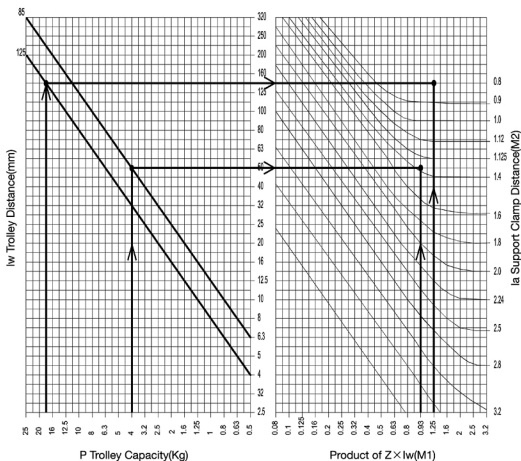
P=4 Single Trolley Capacity (kg)

Iw=85 Length of Trolley (mm)

Z=11 Quantity of Trolley (set) Calculated: $L=Z \times Iw/1000=0.93(M)$

☆☆ Cross-refer the chart,

la=1.3 C30 support clamp distance.



2. C40 Rail Known Data

P=18 Single Trolley Capacity(kg)

Iw=125 Length of Trolley(mm)

Z=10 Quantity of Trolley(set) Calculated: $L=Z \times Iw/1000=1.25(M)$

☆☆ Cross-refer the chart,

$=10 \times 125/1000=1.25(M)$

la=0.8 C40 support clamp distance.

Part 2 PVC Flat Cable

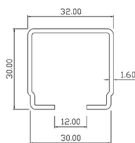


DESCRIPTION:

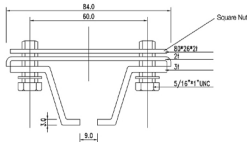
- Bare Stranded copper conductor.
- PVC insulation, Rated temp 60°C, 80°C or 105 °C available.
- PVC jacket, Acid resistance available or UL Type

Conductor		No. of Core	Insulation Thickness	Insulation Diameter	Overall Diameter	Character			Remark
Cross Section MM ²	No. / Dim (mm)		mm	No. / mm	mm	20°C(Ω/KM)	V/MIN	M /KM	
0.75	30/0.18	24	0.6	2.3	8.3×40.3	25.8	1500	50	
0.75	30/0.18	36	0.6	2.3	11×51	25.8	1500	50	
0.75	30/0.18	60	0.43	2.0	11.6×74	25.8	1500	50	
1.25	50/0.18	3	0.8	3.0	5.0×11.2	16	1500	50	
1.25	50/0.18	4	0.8	3.0	5.8×15.7	16	1500	50	
1.25	50/0.18	5	0.8	3.0	6.1×18.8	16	1500	50	
1.25	50/0.18	8	0.8	3.0	5.0×28.7	16	1500	50	
1.25	50/0.18	10	0.8	3.0	5.1×34.6	16	1500	50	
1.25	50/0.18	13	0.8	3.0	5.2×43	16	1500	50	
2.0	37/0.26	3	0.8	3.2	5.0×11.4	10.2	1500	50	
2.0	37/0.26	4	0.8	3.2	6.8×18.6	10.2	1500	50	
2.0	37/0.26	8	0.8	3.2	6.0×29.5	10.2	1500	50	
3.5	140/0.18	3	0.8	4.2	6.3×16.2	5.54	1500	50	
3.5	140/0.18	4	0.8	4.2	7.5×19.5	5.54	1500	40	
3.5	140/0.18	8	0.8	4.2	6.8×39	5.54	1500	40	
5.5	217/0.18	3	1.0	5.2	7.5×20	3.56	1500	40	
5.5	217/0.18	4	1.0	5.2	8.0×23	3.56	1500	40	
8	315/0.18	3	1.0	6.2	9.0×21.6	2.54	1500	40	
8	315/0.18	4	1.0	6.2	10×30	2.45	1500	40	
14	550/0.18	3	1.0	7.6	12×28.8	1.43	1500	40	
14	550/0.18	4	1.0	7.6	10.6×33	1.46	1500	40	
22	855/0.18	3	1.2	10.0	15×35	0.919	1500	40	
22	855/0.18	4	1.2	10.2	13×47	0.919	1500	40	
38	1480/0.18	3	1.2	12.5	17.8×42.5	0.75	1500	40	
38	1480/0.18	4	1.2	12.5	20×53	0.75	1500	40	

Part 3 C30 Track & Parts Charts



KY-BC3030
C30 C Track 3M/pic
KY-BCS3030 SUS 304



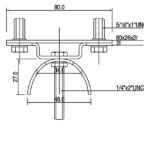
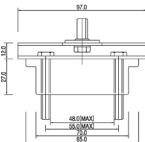
KY-BC3100
C30 C Track Support Bracket
KY-BCS3100 SUS 304



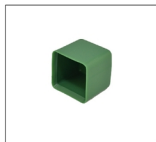
KY-BC3103
C Track Clip



KY-BC3102
C30 Support Arm



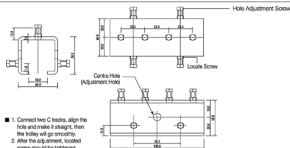
KY-BC3200
C30 End Cable Clip
KY-BCS3200 SUS 304



KY-BC3201
C30 End Cap



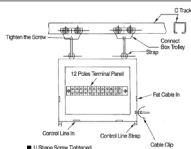
KY-BC3202
C30 Cable Bracket



KY-BC3300

C30
Track Coupler

KY-BCS3300
SUS 304

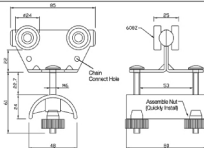


KY-BC3412

Cable Box

KY-BC3412

C30
C Connect Box.



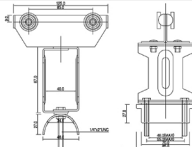
KY-BC3525

C30 Cable
Trolley/Wide

KY-BCS3525

C30
Cable Trolley

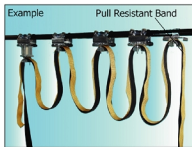
KY-BCS3525
SUS 304



KY-BC3625

C30
Towing Trolley

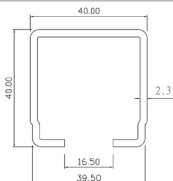
KY-BCS3625
SUS 304



KY-BGNL20X2

Pull Resistant Band
Width x Thickness
45mm x 1.8mm

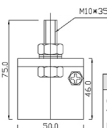
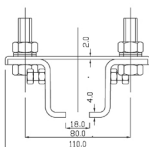
Part 4 C40 Track & Parts Charts



KY-BC4030

**C40
C Track**

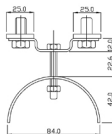
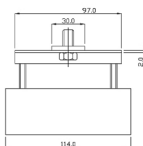
**KY-BCS4030
SUS 304**



KY-BC4100

**C30
Track Support
Bracket**

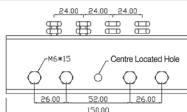
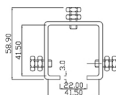
**KY-BCS4100
SUS 304**



KY-BC4200

**C40
End Cable Clip**

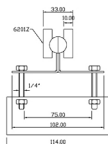
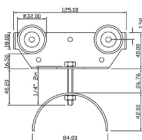
**KY-BCS4200
SUS 304**



KY-BC4300

C40 Track Coupler

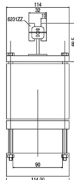
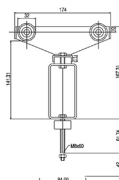
**KY-BCS4300
SUS 304**



KY-BC4533

C40
Cable Trolley

KY-BCS4533
SUS 304

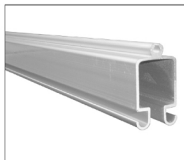


KY-BC4633

C40
Towing Trolley

KY-BCS4633
SUS 304

Part 5 Aluminum Track & Parts Charts



KY-BD3030

Al. Track

KY-BD3300

Coupler



KY-BD3100

Support Bracket

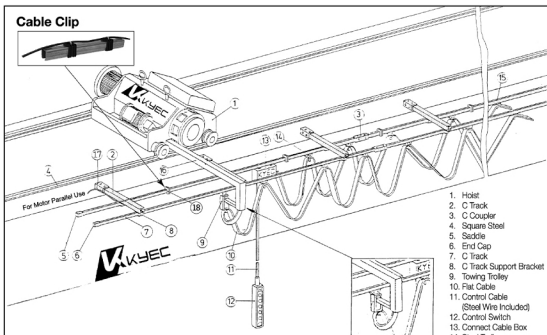
KY-BD3522

Cable Trolley



Part 6 Installment

Cable Clip



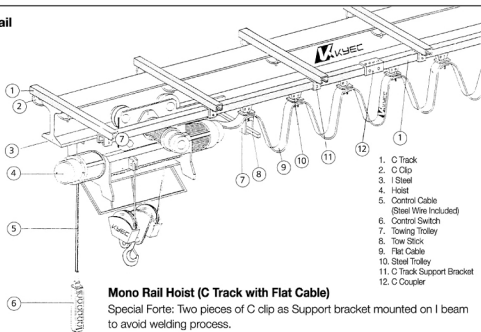
1. Hoist
2. C Track
3. C Coupler
4. Square Steel
5. Saddle
6. End Cap
7. C Track
8. C Track Support Bracket
9. Towing Trolley
10. Flat Cable
11. Control Cable (Steel Wire Included)
12. Control Switch
13. Connect Cable Box
14. Steel Trolley
15. End Cable Clip
16. Towing Stick
17. Connect Bracket
18. Motor Parallel (Cable Clip)

Dual Rail Hoist (C Track with Flat Cable Separate Control Chart)

Special Forte: Switch will avoid moving when hoist move.

Application: For long piece or big pail.

Mono Rail



1. C Track
2. C Clip
3. I Steel
4. Hoist
5. Control Cable (Steel Wire Included)
6. Control Switch
7. Towing Trolley
8. Tow Stick
9. Flat Cable
10. Steel Trolley
11. C Track Support Bracket
12. C Coupler

Mono Rail Hoist (C Track with Flat Cable)

Special Forte: Two pieces of C clip as Support bracket mounted on I beam to avoid welding process.

Part 7 Diamond Track (For Curve)

Flat Cable For Swerve Power Supply System

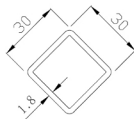


Dim. 45 × 1.8L-100m

※Add a band will reduce the probability of cable broken.

Application:

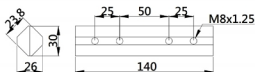
- Swerve Power Supply System
- Explosion Proof Power Supply System
- For Span Hoist Power Supply System
- Automatic Galvanization Equipment
- Wastewater Treatment Factory
- Heavy Duty Machine Power Supply
- Movable Power Supply



Length: 6M Each

KY-OISP300

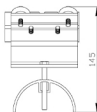
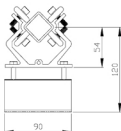
Diamond Track
30 X 30 X 2



Connect Screw:
Hexagon Screw M8 x 50

KY-OISP308

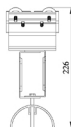
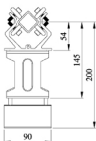
Track Coupler:
Aluminum



606AB Dual cam
(Galvanized Steel / Engineering
Plastic available)
• Hexagon Socket Button Head
Cap Screw M6 x 35
• Hexagon Screw M6 x 15
• Hexagon Screw M6 x 50

KY-OISP306

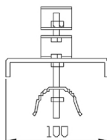
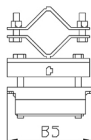
Diamond Track
Trolley



606AB Dual cam
(Galvanized Steel / Engineering
Plastic available)
• Hexagon Socket Button Head
Cap Screw M6 x 35
• Hexagon Screw M6 x 50

KY-OISP326

Diamond Track
Towing Trolley

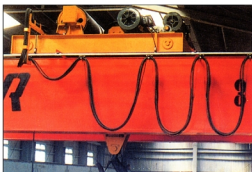


KY-OISP346

Diamond Track
End Cable Clip



※No matter how hard or easy your require is, we are serious at your business to serve the best solution. Please contact us for related product and technical information.



Square Trolley (For Curve)



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