

Energy Chain System

Mobile Electrification System

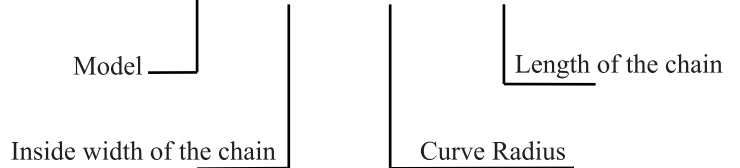
Catalogue

TKA Series

Energy Chain
TKA Series



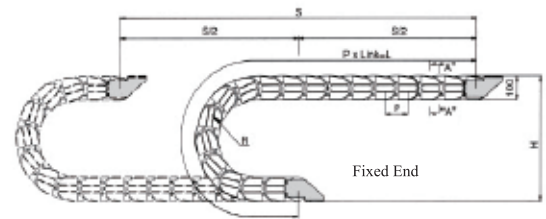
TKA38 - 75 - R150 - 025



Feature:

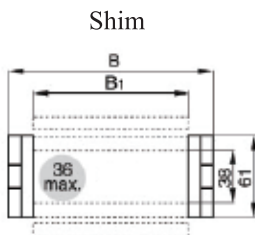
1. The material is reinforced nylon which is more strong and long service life.
2. The chain is special design for twisting-resistant and stretching-resistant.
3. Special wheeled chain design for suspension, long horizontal movement.
 - a) The travel length can reach up to 400-600m
 - b) The noise can reduce 30%, the bearing capacity can increase 20%, and service life can be two times more than common energy chain.
4. The energy chain tray is special for crane festoon system.
 - a) Galvanized steel material is Anti-corrosion.
 - b) Two layer special design which can put the no-mobile cable in the bottom layer.
 - c) High and low position design can let the power feed be in the middle.

Calculation of the length

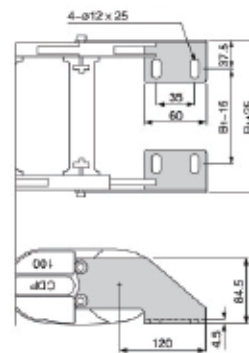


- L = Length of the energy chain
- S = Travelling length
- b = Length of curve
- $L = S/2 + b$

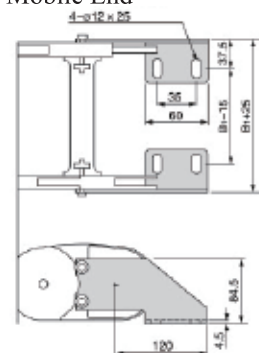
TKA38



Fixed End



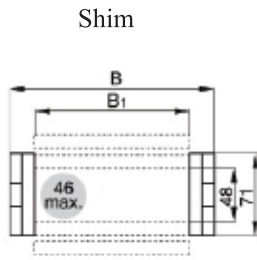
Mobile End



Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA38	60	38	91	61	75
	75		106		
	80		111		
	90		121		
	100		131		
	120		151		
	125		156		
	150		181		
	175		206		
	200		231		

Energy Chain
TKA Series

TKA48



Fixed End

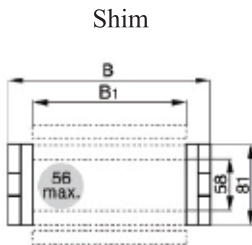


Mobile End



Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA48	60	48	91	71	75
	75		106		
	80		111		
	90		121		
	100		131		
	120		151		
	125		156		
	150		181		
	175		206		
	200		231		

TKA58



Fixed End



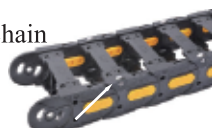
Mobile End



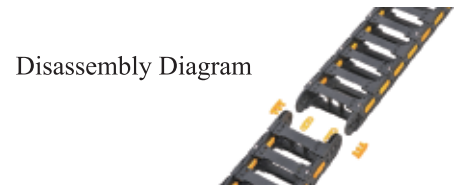
Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA58	75	57.2	111	89	150
	100		136		
	125		161		
	140		176		
	150		186		
	175		211		
	200		236		
	225		261		
	250		286		
	275		311		
	300		336		
	350		386		
	400		436		



Shim

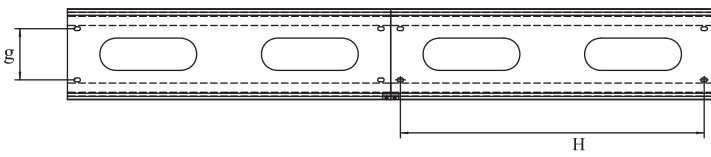
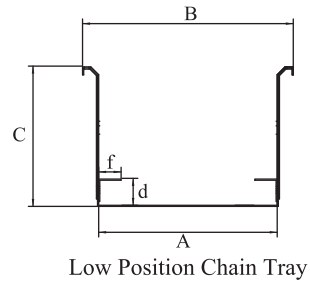
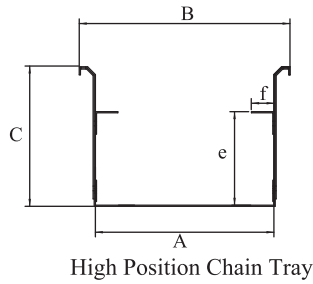


Wheel Chain

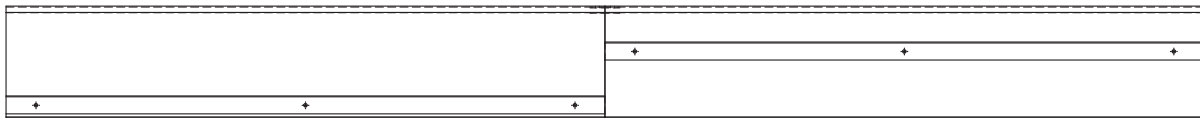


Disassembly Diagram

Chain Tray



The energy chain tray is special for crane festoon system.
 a) Galvanized steel material is Anti-corrosion.
 b) Two layer special design which can put the no-mobile cable in the bottom layer.
 c) High and low position design can let the power feed be in the middle.



Energy Chain Model		Chain Tray Dimensions							
Model No.	Inside Width (mm)	A	B	C	d	e	f	g	H
TKA38	75	110	157	127	30	85	25	50	1200
	100	135	182	127	30	85	25	70	1200
	125	160	207	127	30	85	25	90	1200
TKA48	125	158	205	151	30	100	25	90	1200
	150	183	230	151	30	100	25	100	1200
	200	233	280	151	30	100	25	120	1200
TKA58	125	165	221	180	35	124	30	90	1200
	150	190	246	180	35	124	30	110	1200
	200	240	296	180	35	124	30	150	1200
	250	290	346	180	35	124	30	200	1200