



## *Palm Oil Mill Conveyor Chain*



BS EN REG NO. 16885

*Quality Assured & Certified Under  
BS EN ISO 9001 : 2008*



GreatOrientalTrading  
[www.gotrading.co.th](http://www.gotrading.co.th)

@gotrading

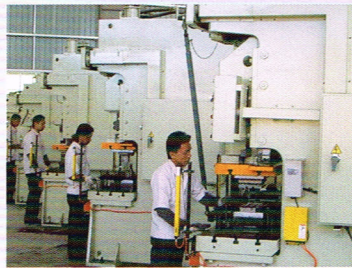
GreatOrientalTrading

097-3619703





www.masterlinks.com.my



## About Us

**Master Links Industry Sdn Bhd** is one of the most pioneer and trusted brand in the conveyor chains business within the South East Asia region with its manufacturing plant, R&D centre and Sales support function housed in Malaysia. Master Links has earned its place as a leader among conveyor chain manufacturers because of our:

- ▶ Fully integrated manufacturing facility
- ▶ Stringent manufacturing and quality processes
- ▶ Commitment to application-specific, **customer-driven solution**
- ▶ Regionalized customer service and experienced sales staff who understand the customer requirement

At Master Links Industry Sdn. Bhd, we help you increase your ROI through custom conveying systems that utilize the latest industrial technologies. In fact, our engineering team is highly skilled at using a variety of methods to design lowmaintenance, efficient, high ROI automated conveyor systems for your needs.

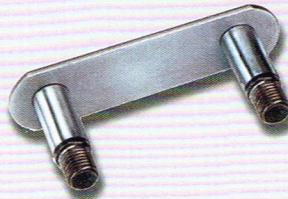
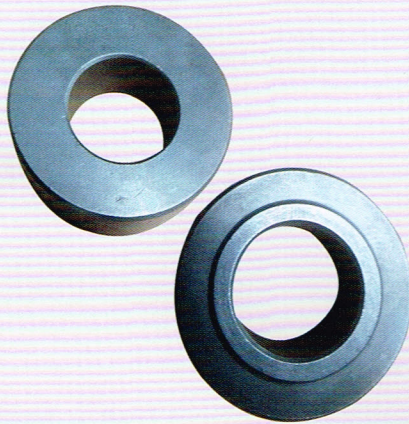
## Quality Statement

Remain unchanged as this is affiliated to ISO policy set by the management.

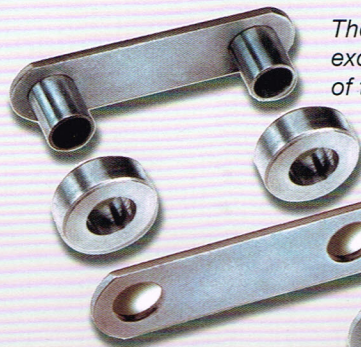




## ABOUT PRODUCT



*Precision Machining and Consistent hardening process with higher wear resistance and fatigue endurable material demonstrate the high-quality and durability*



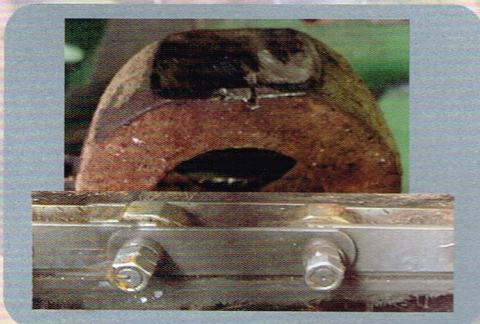
*The induction through hardening process provides excellent wear resistance on the surface of the roller, pin and bush for longest life span*

*Improved material specification resulting a further significant increase in chain tensile strength and minimum elongation*

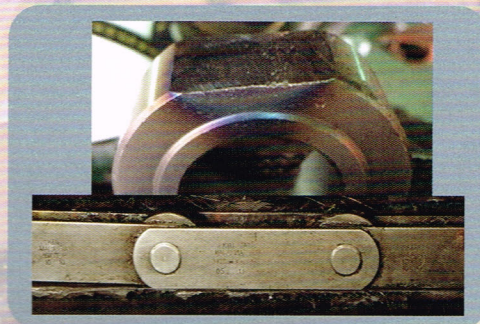


## Material and Treatment Specification

Case Harden



Solid Harden

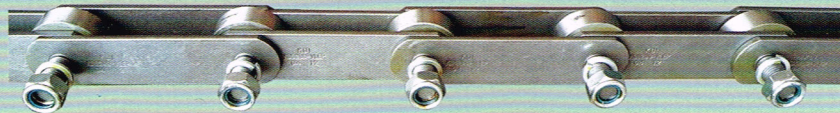


*Prevent corrosion and prolong wear & tear*

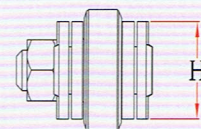
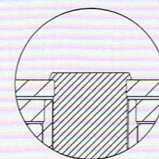
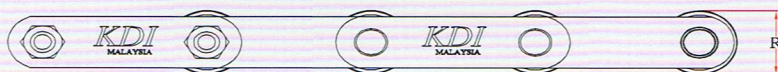
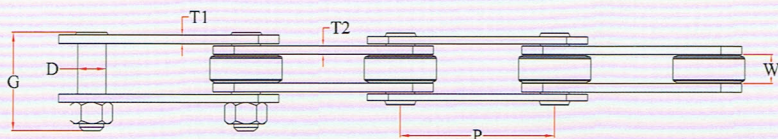
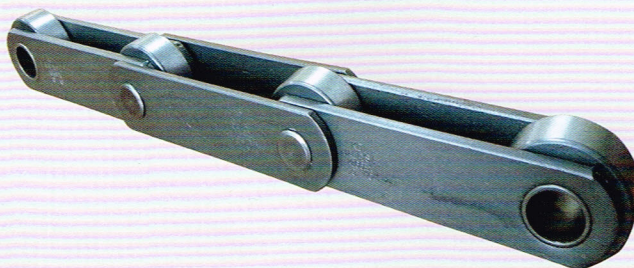
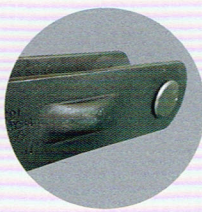
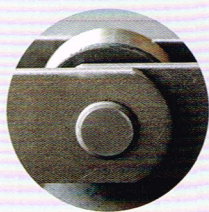




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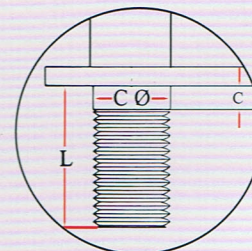
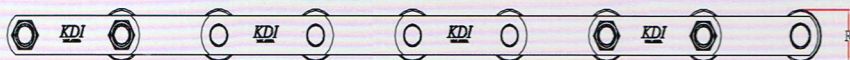
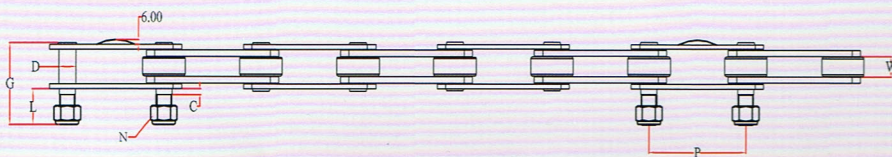
## 4" SOLID RIVETED TYPE



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	D	W	G	H	T1	T2	Lbs	kg/f
KD44-WR	101.6	47.6	19.0	19.0	45.0	38.1	4.5	5.5	35,000	2.2
KD46-WR	101.6	66.7	26.9	25.4	57.0	52.8	6.0	6.0	48,000	4.0

\*mm

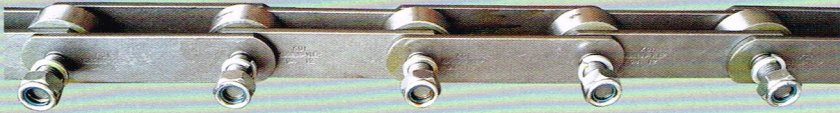
## 4" SOLID EXTENDED TYPE WITH WEAR PAD



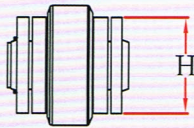
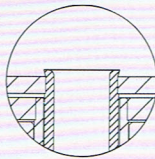
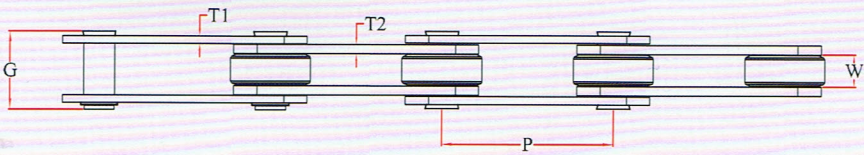
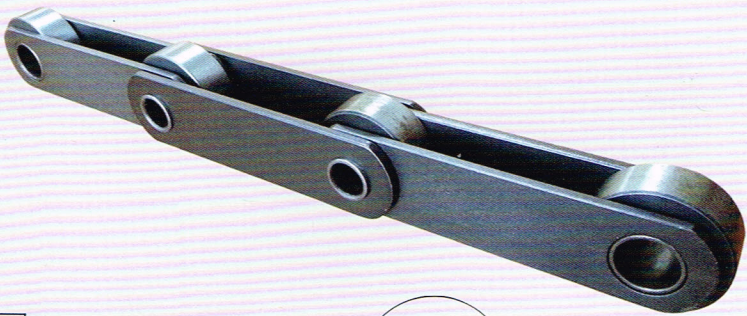
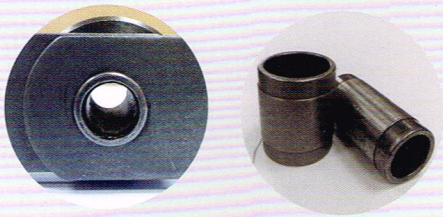
Chain No.	Pitch P	Roller R	Pin D	Inner Width W	Total Width G	Pin Length L	Nut N	Step C	Dia. c Ø	Extended Pin	protect pad	Weight kg/f
KD44-6EP-WR	101.6	47.6	19.0	19.0	89.0	19.0	M16	5.0	18.0	6 links	yes	2.3

\*mm





# 4" HOLLOW TYPE CHAIN



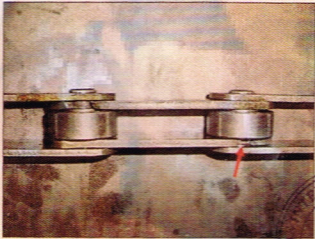
Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	D	W	G	H	T1	T2	Lbs	kg/f
KD44H-WR	101.6	47.6	13.2	19.0	45.0	38.1	4.5	5.5	31,700	1.9
KD46H-WR	101.6	66.7	20.1	25.4	57.0	52.8	6.0	6.0	40,000	3.7

\*mm

**TEST RESULTS : BREAKING LOAD TEST**  
**TEST SPEED : 5 mm/min**

## SAMPLE REFERENCE

Conveyor Chain  
 Brand : KDI  
 Model : KD44  
 Marking : KD44



Show sample after test

## OBSERVATION / REMARKS

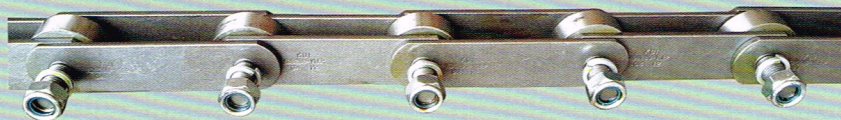
The inner plate fractured at 161.05 kN load  
 35,431 Lbf



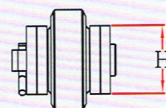
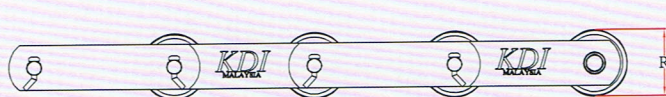
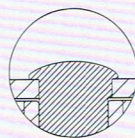
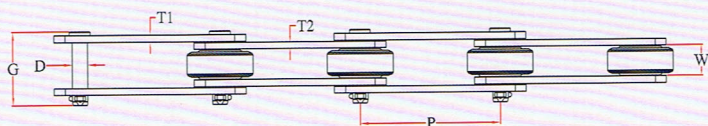
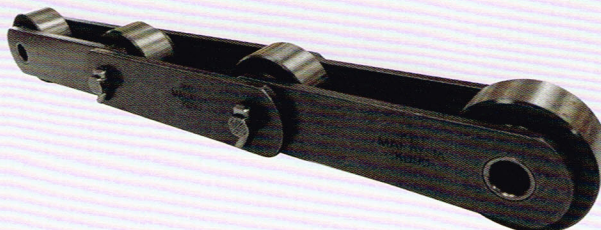




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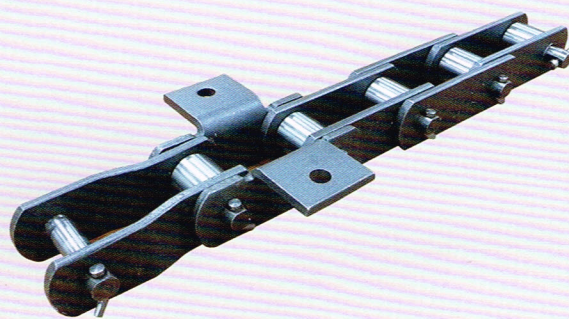
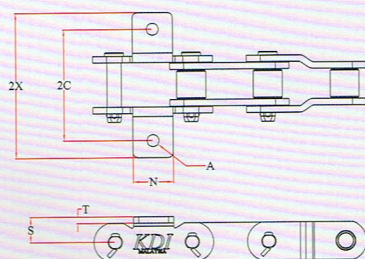


## SOLID T PIN TYPE



Chain No.	Pitch P	Roller R	Pin D	Inner Width W	Total Width G	Plate			Maximum Load Lbs	Weight kg/f
						Height H	T1	T2		
KD90-WR	101.6	47.6	11.3	21.4	53.0	32.0	5.0	5.0	29,900	1.9
KD94-WR	101.6	50.8	14.5	30.0	70.0	38.1	6.5	6.5	45,300	3.0
KD604-WR	152.4	50.8	14.5	30.0	70.0	38.1	6.5	6.5	40,000	2.3
KD9503	76.7	29.0	14.5	30.0	70.0	38.1	6.5	6.5	47,700	2.8

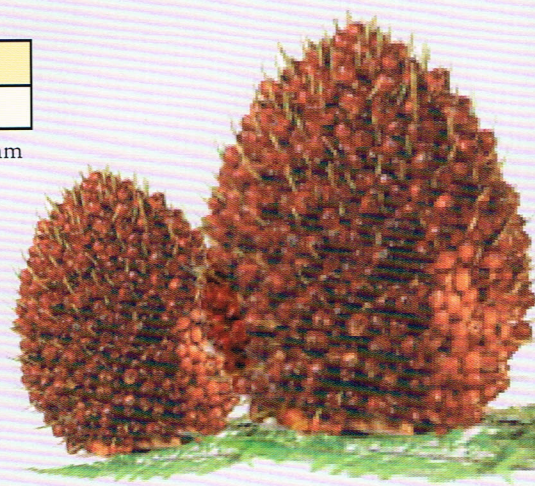
\*mm



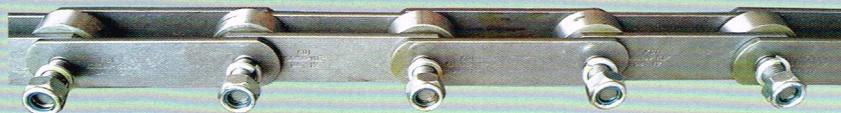
## K1

Chain No.	2C	2X	N	A	S	T
KD9503-5K1	111.2	142.0	46.0	12.0	25.4	6.5

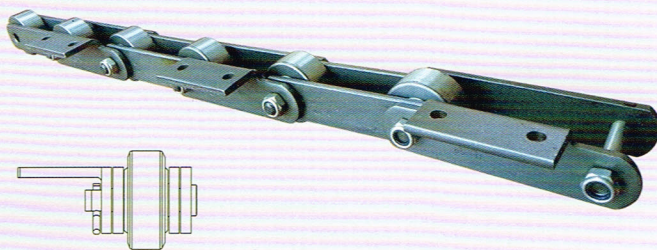
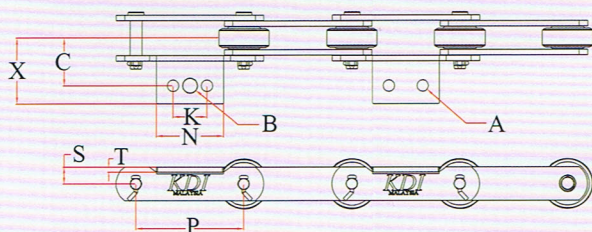
\*mm







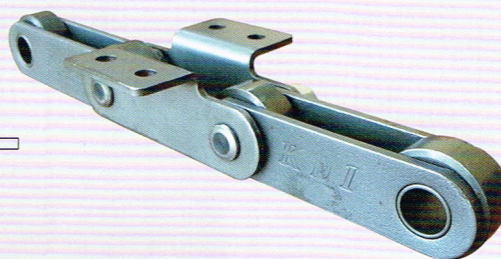
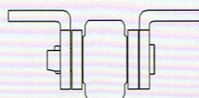
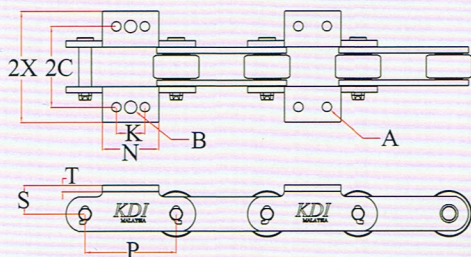
## ATTACHMENT



### A2/ A3

Chain No.	P	C	X	K	N	A	B	T	S
KD90-WR	101.6	44.5	62.0	31.8	63.0	10.7	13.9	5.0	15.9
KD94-WR	101.6	44.5	62.0	31.8	63.0	10.7		6.5	19.1
KD604-WR	152.4	50.8	67.5	50.8	90.0	12.0		6.5	19.1

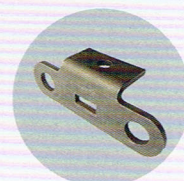
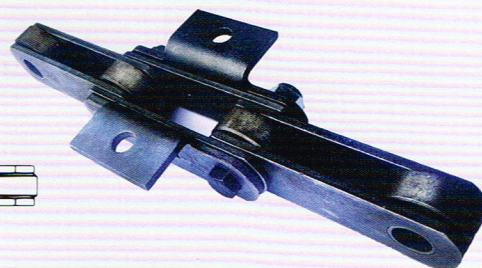
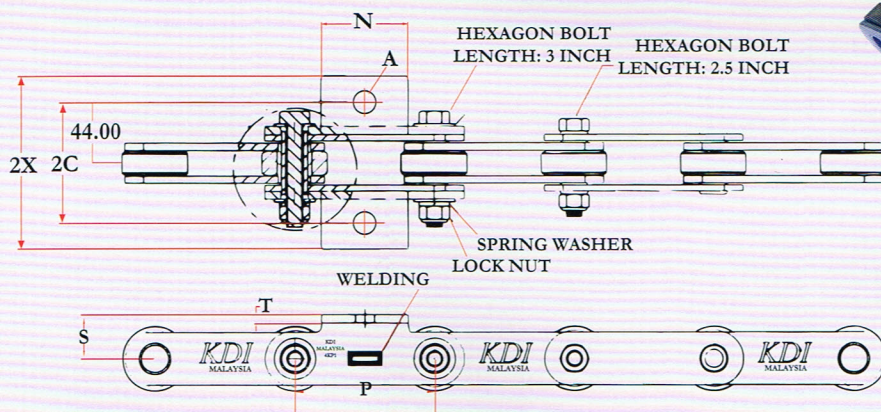
\*mm



### K2/ K3

Chain No.	P	2C	2X	K	N	A	B	T	S
KD90-WR	101.6	89.0	124.0	31.8	63.0	10.7	13.9	5.0	31.8
KD94-WR	101.6	89.0	124.0	31.8	63.0	10.7		6.5	31.8
KD604-WR	152.4	101.6	135.0	50.8	90.0	12.0		6.5	31.8
KD44-WR	101.6	91.4	127.5	31.8	63.0	10.7	13.9	4.5	31.8

\*mm

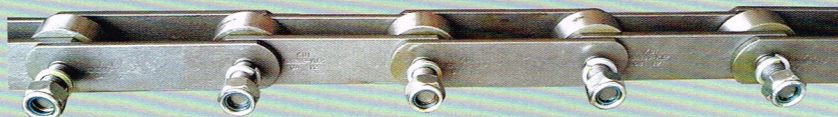


### KD44H-WR & K1 ATTACHMENT

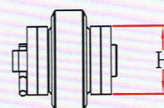
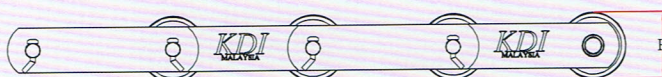
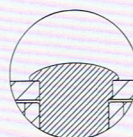
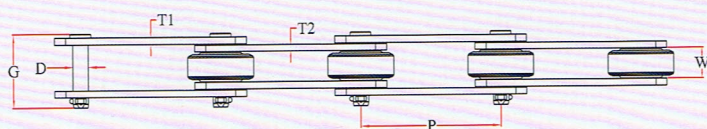
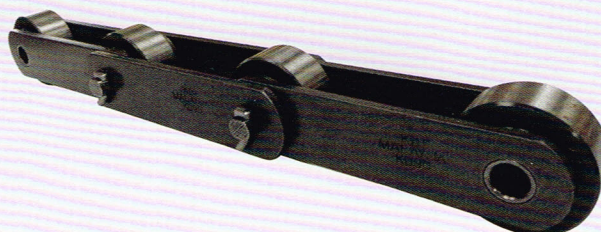
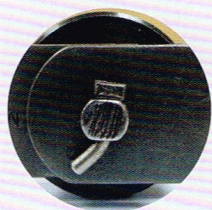
Chain No.	P	2C	2X	N	A	S	T
KD44H-WR & 4KP1	101.6	88.0	126.0	63.5	13.9	31.8	6.0

\*mm



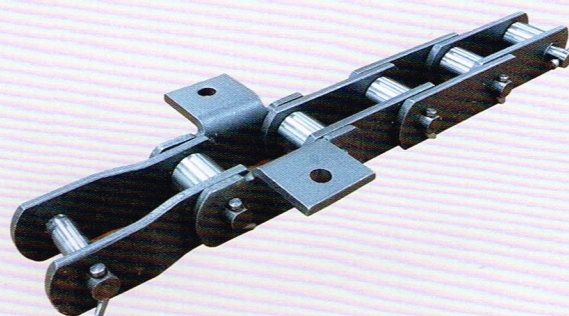
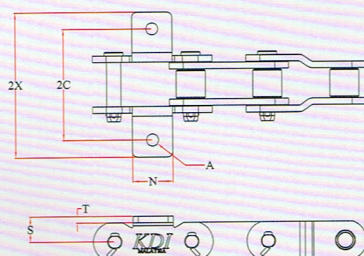
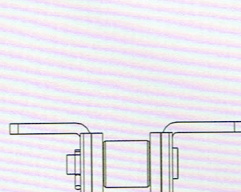


## SOLID T PIN TYPE



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	D	W	G	H	T1	T2	Lbs	kg/f
KD90-WR	101.6	47.6	11.3	21.4	53.0	32.0	5.0	5.0	29,900	1.9
KD94-WR	101.6	50.8	14.5	30.0	70.0	38.1	6.5	6.5	45,300	3.0
KD604-WR	152.4	50.8	14.5	30.0	70.0	38.1	6.5	6.5	40,000	2.3
KD9503	76.7	29.0	14.5	30.0	70.0	38.1	6.5	6.5	47,700	2.8

\*mm



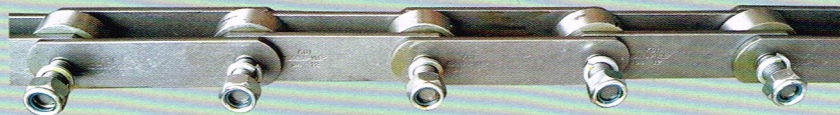
## K1

Chain No.	2C	2X	N	A	S	T
KD9503-5K1	111.2	142.0	46.0	12.0	25.4	6.5

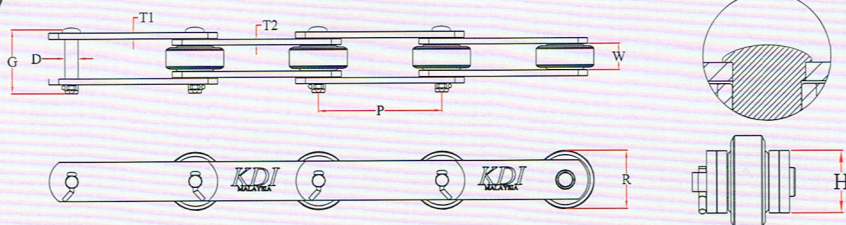
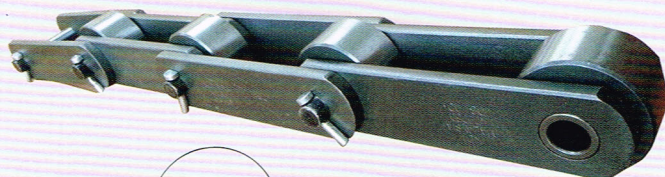
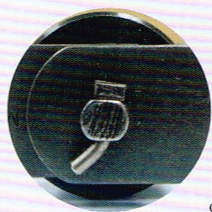
\*mm







## 6" SOLID T PIN TYPE



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	D	W	G	H	T1	T2	Lbs	kg/f
KD5289-WR	152.4	66.7	22.1	25.4	72.0	50.8	6.4	6.4	59,500	3.3
KD5289-EX-WR	152.4	66.7	22.1	25.4	72.0	55.0	6.4	8.0	86,400	4.0
KD5289-EXL-WR	152.4	66.7	22.1	25.4	101.2	55.0	8.0	10.0	100,000	4.5
KD9060-WR	152.4	69.8	19.0	38.1	96.0	50.8	9.5	9.5	110,000	5.3
KD5305-WR	160.0	69.8	17.5	38.1	82.0	50.8	6.4	6.4	90,000	4.5
668-WR	152.4	66.7	26.9	25.4	72.0	52.8	6.0	8.0	74,000	3.6

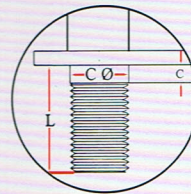
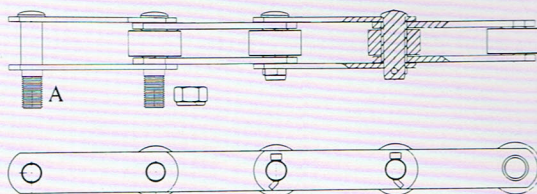
\*mm

## EXTENDED TYPE



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Pin Length	Nut	Extended Pin	protect pad	Weight
	P	R	D	W	G	L	N			kg/f
KD5289-EP-WR	152.4	66.7	22.1	25.4	96.0	39	M20	every	~	3.7
KD5289-EX-6EP-WR	152.4	66.7	22.1	25.4	72.0	60	M20	6 links	~	4.2
KD5289-EXL-6EP-WR	152.4	66.7	22.1	25.4	101.2	60	M20	6 links	~	4.8

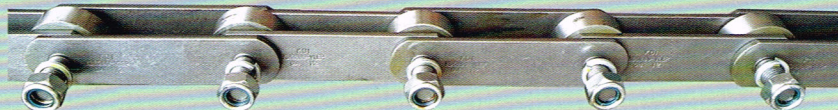
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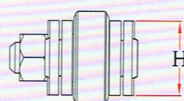
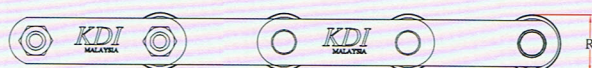
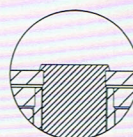
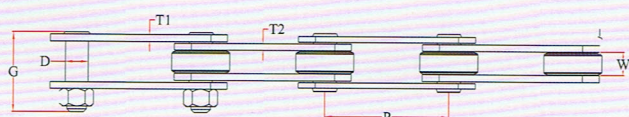
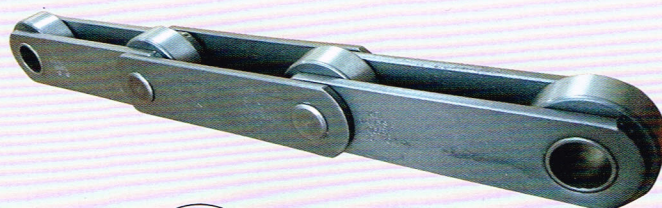
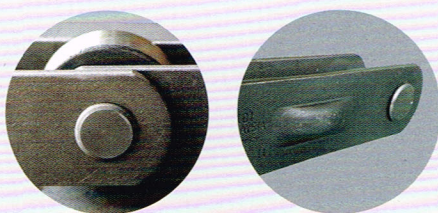
Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Pin Length	Nut	Step	Dia.	Extended Pin	protect pad	Weight
	P	R	D	W	G	L	N	C	c φ			kg/f
668-6EP-WR	152.4	66.7	26.9	25.4	103.0	45.0	M24	7.5	25	6 links	~	3.8

\*mm





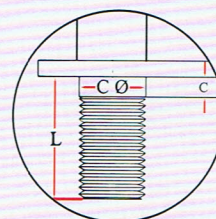
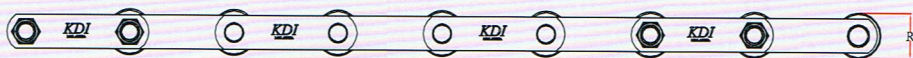
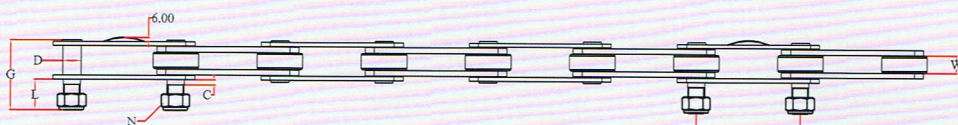
## 6" SOLID RIVETED TYPE



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	D	W	G	H	T1	T2	Lbs	kg/f
KD64-WR	152.4	47.6	19.0	19.0	45.0	38.1	4.5	5.5	37,500	2.0
KD66-WR	152.4	66.7	26.9	25.4	57.0	52.8	6.0	6.0	54,500	3.3
KD66-EX-WR	152.4	66.7	26.9	25.4	61.0	52.8	6.0	8.0	74,000	3.6
KD68-WR	152.4	88.9	30.0	38.1	78.0	61.0	8.0	8.0	75,000	6.7
KD66-XX-WR	152.4	66.7	26.9	25.4	65.0	52.8	8.0	8.0	80,900	7.1

\*mm

## 6" SOLID EXTENDED TYPE WITH WEAR PAD



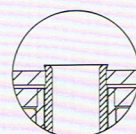
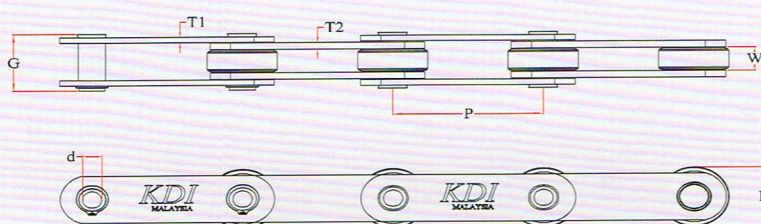
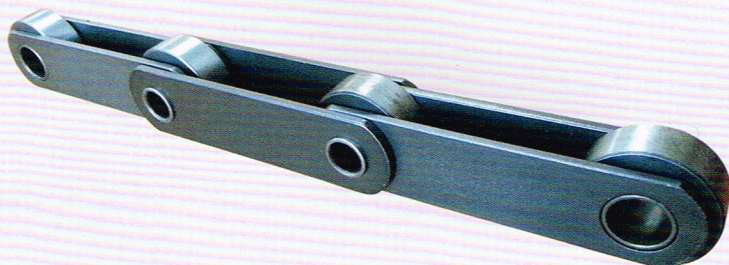
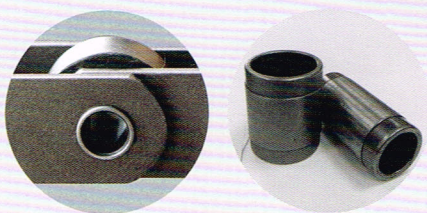
Chain No.	Pitch	Roller	Pin	Inner Width W	Total Width G	Pin Length L	Nut N	Step C	Dia. c ø	Extended Pin	protect pad	Weight kg/f
	P											
	P	R	D	W	G	L	N	C	c ø			kg/f
KD64-4EP-WR	152.4	47.6	19.0	19.0	89.0	19.0	M16	5.0	18.0	4 links	yes	2.2
KD66-6EP-WR	152.4	66.7	26.9	25.4	99.0	45.0	M24	7.5	25.0	6 links	yes	3.4
KD66-EX-8EP-WR	152.4	66.7	26.9	25.4	103.0	45.0	M24	7.5	25.0	8 links	yes	3.8
KD66-XX-6EP-WR	152.4	66.7	26.9	25.4	111.5	24.5	M24	7.5	25.0	6 links	yes	4.0

\*mm





## 6" HOLLOW TYPE



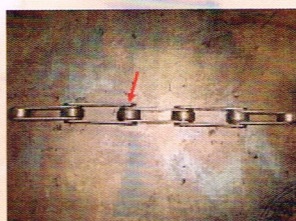
Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	d	W	G	H	T1	T2	Lbs	kg/f
KD64H-WR	152.4	47.6	13.2	19.0	45.0	38.1	4.5	5.5	28,000	1.8
KD66H-WR	152.4	66.7	20.1	25.4	57.0	52.8	6.0	6.0	45,000	3.1
KD66H-EX-WR	152.4	66.7	20.1	25.4	61.0	52.8	6.0	8.0	58,100	3.3
KD68H-WR	152.4	88.9	23.1	38.1	78.0	61.0	8.0	8.0	65,000	6.3

\*mm

TEST RESULTS : BREAKING LOAD TEST  
TEST SPEED : 5 mm/min

### SAMPLE REFERENCE

Conveyor Chain  
Brand : KDI  
Model : KD66H  
Marking : KD66H



Show sample after test

### OBSERVATION / REMARKS

The pin fractured at 208.49 kN load  
45,865 Lbf

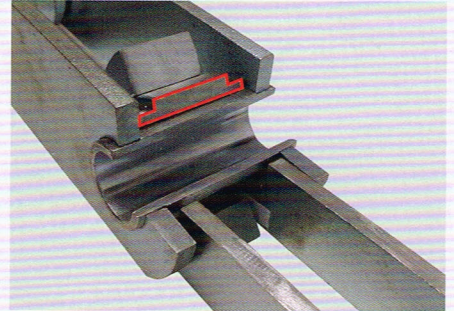
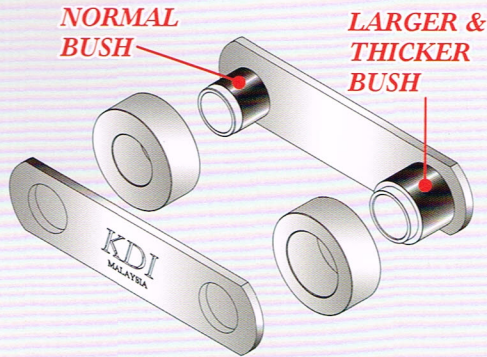
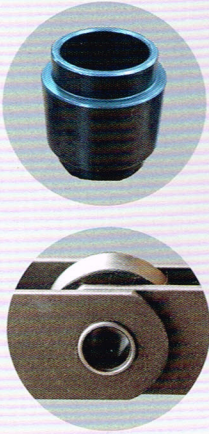






## 6" HOLLOW PREMIER TYPE (Larger & Thicker Bush)

Design For Fruit Elevator

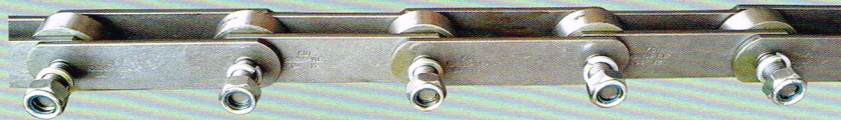


Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	d	W	G	H	T1	T2	Lbs	kg/f
KDP66H-WR	152.4	66.7	20.1	25.4	57.0	52.8	6.0	6.0	45,000	3.1
KDP66H-EX-WR	152.4	66.7	20.1	25.4	61.0	52.8	6.0	8.0	58,100	3.3

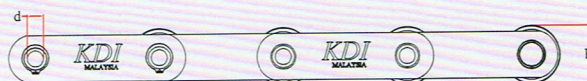
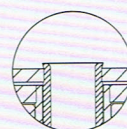
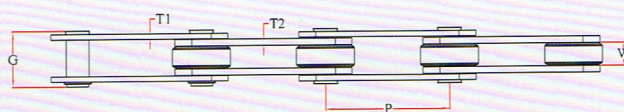
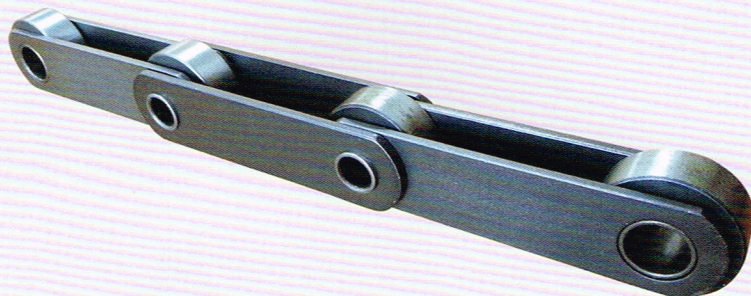
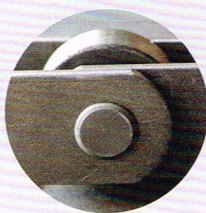
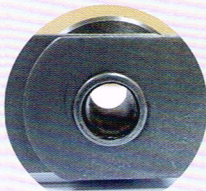
\*mm

*Conveyor chain comes with "Thicker Bush" that can prolong wear and tear to optima the life span of this product.*





## Design For Wet Condition



Chain No.	Pitch	Roller	Pin	Inner Width	Total Width	Plate			Maximum Load	Weight
						Height	Thickness			
	P	R	d	W	G	H	T1	T2	Lbs	kg/f
KD44-PBSS-WR	101.6	47.6	19.0	19.0	45.0	38.1	4.5	5.5	35,000	2.2
KD44H-PBSS-WR	101.6	47.6	13.2	19.0	45.0	38.1	4.5	5.5	31,700	1.9
KD66H-PBSS-WR	152.4	66.7	20.1	25.4	57.0	52.8	6.0	6.0	45,000	3.1

\*mm



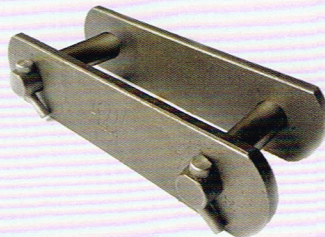




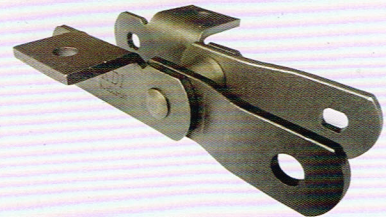
## CONNECTING LINK



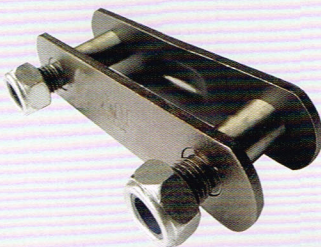
CL90



CL94



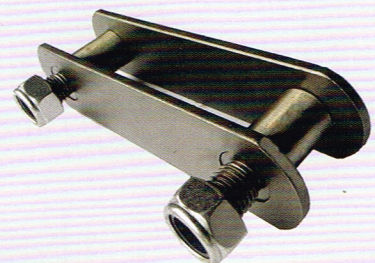
CL9503-K1



CL44



CL44H



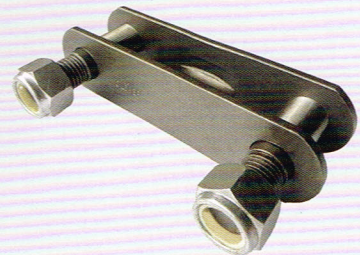
CL66



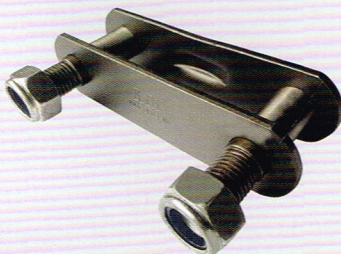
CL66H



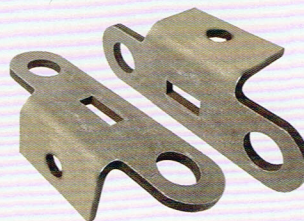
CL66H-EX



CL66EP



CL66-EX-EP

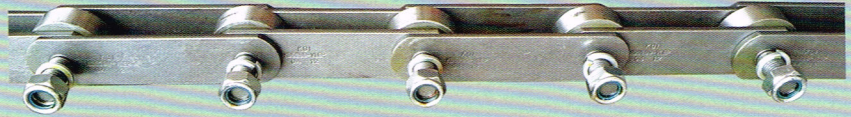


K - TYPE ATTACHMENT



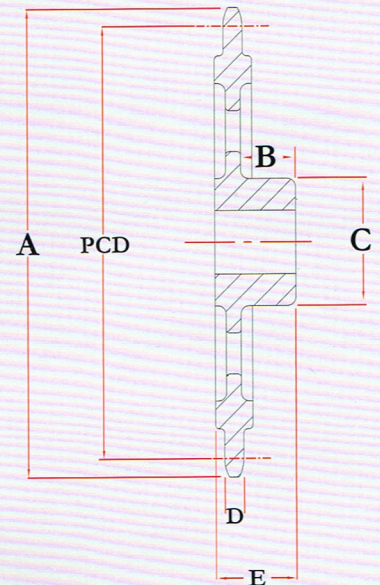
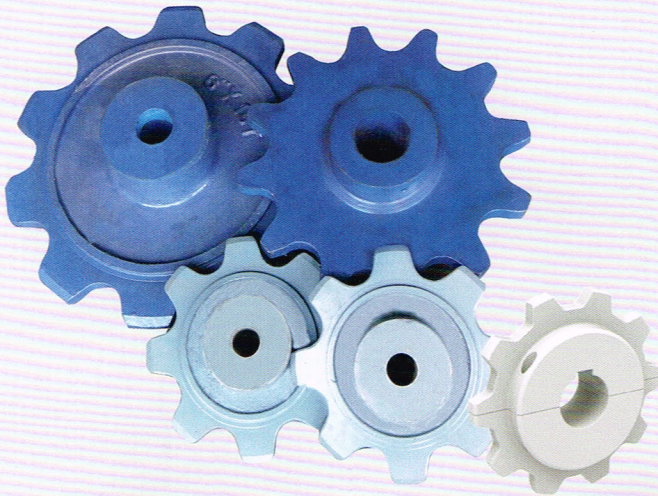
A - TYPE ATTACHMENT





## SPROCKET

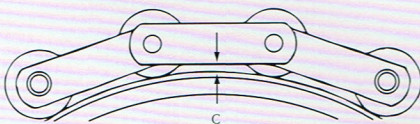
**Material : Cast Steel / Cast Iron**



Chain pitch	No of teeth	Pitch Dia.PCD	A	B	C	D	E
101.6	8	265.5	289	45	110	17.2	75
	10	329	353	55	130	17.2	80
	12	391	415	55	140	17.2	80
	16	520	545	65	160	17.2	105
	21	684	710	70	170	17.2	115
152.4	8	398	422	60	150	23	100
	10	492	515	70	165	23	105
	12	589	613	70	185	23	120
	14	682	710	80	195	23	125
	16	782	810	85	200	23	125
	21	1010	1050	100	215	23	140

\*mm

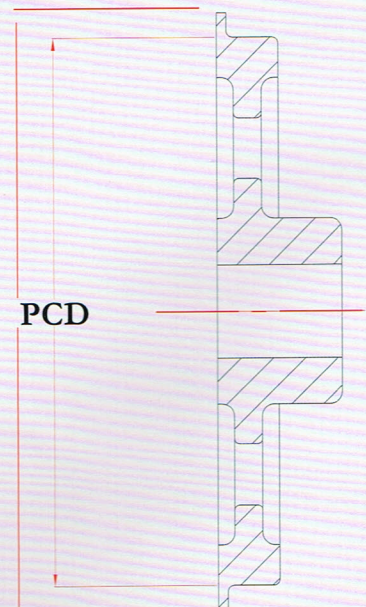
## DRUM SPROCKET



**Minimum track radius and link clearance**

Pitch	Roller Dia.	Clearance C	Pitch Dia.PCD
101.6	47.6	2.6	580
	66.7	4.2	310
152.4	66.7	4.2	720
	88.9	5.2	300

\*mm







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