



# DIAMOND<sup>®</sup>

*Reliable Chains for Farming*



Agricultural Chains



**TIDC INDIA**  
**THE COMPLETE**  
**CHAIN COMPANY**

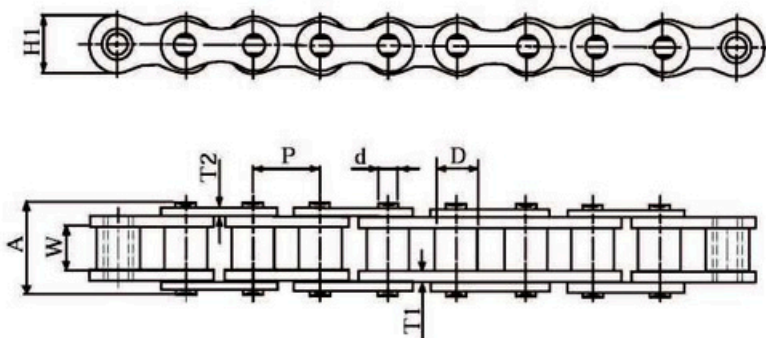


  
**DIAMOND**<sup>®</sup>

Quality & Reliability



## Single Strand



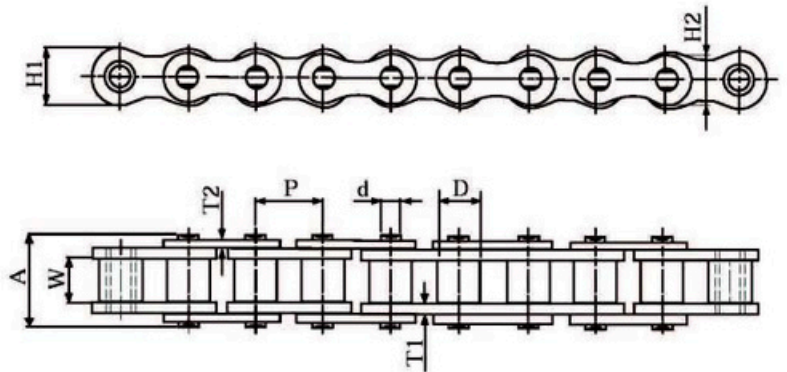
### European Series

ISO 606/ BS 228/ DIN 8187

Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Iner Plates W (Min)	Roller Dia. D (Max)	Bearing Pin Dia. d (Max)	Plate Height H (Max)	Width over Bearing Pin A (Max)	Projected Bearing Area (sq.cm)	Average Weight Per Metre (Kg)	Tensile Strength Min (Kg)
16B-1	X16001 ST01	25.40	17.02	15.88	8.27	24.20	36.10	2.07	3.30	8000
20B-1	D20001	31.75	19.56	19.05	10.19	26.40	43.20	2.91	3.60	9690
24B-1	D24001	38.10	25.40	25.40	14.63	33.40	53.40	5.49	6.85	16310
	D24001 0003	38.10	25.40	25.40	14.63	33.40	53.40	5.49	6.85	17085
	D24001 RV01	38.10	25.40	25.40	12.70	33.40	53.40	5.49	7.01	17085



## Single Strand



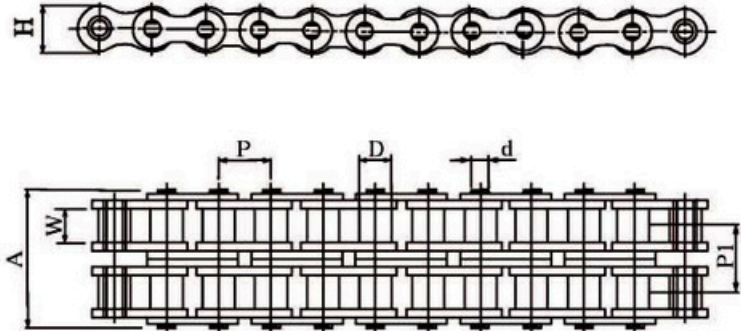
## American Series

ISO 606/ ANSI B 29.1/ DIN 8188

Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Bearing Pin Dia. d (Max)	Plate Height		Plate Thickness		Width over Bearing Pin A (Max)	Projected Bearing Area (sq.cm)	Average Weight Per Metre (Kg)	Tensile Strength Kg (Min)
						IP H1 (Max)	OP H2 (Max)	IP T1	OP T2				
100-1	D201 01	31.75	18.90	19.05	9.54	30.10	26.00	4.00	4.00	41.10	2.59	3.85	9030
	D202 01	31.75	18.90	19.05	9.54	30.10	26.00	4.70	4.70	45.40	2.75	4.38	9030
100H-1	D20201 0002	31.75	18.90	19.05	9.54	30.10	26.00	4.70	4.70	45.40	2.75	4.38	9030
	D20201 ST01	31.75	18.90	19.05	9.54	30.10	30.10	4.70	4.70	45.40	2.75	4.38	9030
120H-1	D24201	38.10	25.22	22.23	11.11	36.20	31.20	5.56	5.56	55.10	4.10	6.61	12950
	D24201 ST01	38.10	25.22	22.23	11.11	36.20	36.20	5.56	5.56	55.10	4.10	6.61	12950
140-1	D28101	44.45	25.22	25.40	12.70	42.20	36.40	5.56	5.56	54.90	4.67	7.24	17360



## Double Strand



### European Series

ISO 606/ BS 228/ DIN 8187

Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Bearing Pin Dia. d (Max)	Plate Height H (Max)	Width over Bearing Pin A (Max)	Transverse pitch P1	Projected Bearing Area (sq.cm)	Average Weight Per Metre (Kg)	Tensile Strength Kg (Min)
20B-2	D20002	31.75	19.56	19.05	10.19	26.40	79.70	36.45	5.82	7.33	17330
24B-2	D24002	38.10	25.40	25.40	14.63	33.40	101.80	48.36	10.98	13.50	28550

### American Series

ISO 606/ ANSI B 29.1/ DIN 8188

100-2	D20102	31.75	18.90	19.05	9.53	30.10	77.00	35.76	5.18	7.64	18060
100H-2	D20202	31.75	18.90	19.05	9.54	30.10	83.60	39.09	5.50	8.67	18060
120H-2	D24202	38.10	25.22	22.23	11.11	36.20	103.90	48.87	8.20	13.13	25900
140-2	D28102	44.45	25.22	25.40	12.70	42.20	103.60	48.87	9.35	14.37	35160



## Application: Vertical Drive Chain

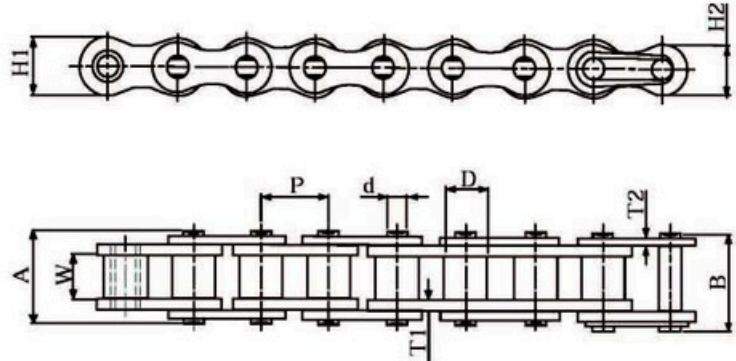
High impact loads and extreme conditions are two phenomena chains in rotavators are subjected to, Diamond chains are designed and manufactured to withstand these loads and offer the best performance in India.



Rotavator	Diamond Chain No.	No. of Links
Beri Udyog Field King FK - 125 /150 / 175 / 200	D24001 0003 32 R	32
Dharanee Agrovator DA 30SS/36SS/36MS/42SS /42MS/48MS/ DA 42MSSP/48MSSP	D24001 0003 34R D20201 0002 36R	34 36
Farm Equipments Corporation FL - 165/185/205 Rotary Tiller	D240 01 34 R	34
Farm Implements FII HR 11 FII HR 20	D20201 0002 36 R D24001 0003 36 R	36 36
Gomathi GES/40GES/60	D24001 RV01 34 R	34
Sarasvati Krishi	D28101 030 R	30
Shaktimann SRT-4 SRT-5 SRT-6 SRT-7 SRT-8	D20201 ST01 38R D24201 ST01 34R X16001 ST01 42R	38 34 42
Trident Farm Farmers LD	D202 01 0002 36 R	36



## TIDC Work Standard



Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Bearing Pin Dia. d (Max)	Plate Height		Plate Thickness		Width over Bearing Pin A (Max)	Width over Joint Fasteners B (Max)	Tensile Strength (Min) Kg	Application	Spares Availability
						IP H1 (Max)	OP H2 (Max)	IP T1	IP T2					
08B-1	D08301	12.70	7.75	8.51	4.45	11.81	10.92	-	-	17.00	20.90	1840	Combines	A,B,C,D
10MA	D10001	15.875	6.48	10.16	5.08	14.56	13.51	1.50	1.50	15.60	17.20	2270	Combines	A,B,C,D
	D12301*	19.05	12.72	14.24	7.92	18.80	18.80	4.00	2.90	31.40	-	6000	Tillers	-
10B	D10101	15.875	9.65	10.16	5.08	14.60	13.60	1.5	1.5	19.60	23.70	2290	Combines & Straw Reapers	A,B,C,D
12B	D12001	19.05	11.68	12.07	5.72	16.10	14.20	1.76	1.76	22.70	27.30	2960	Combines	A,B,C,D
60-1	D12101	19.05	12.58	11.91	5.96	18.10	16.60	2.39	2.39	26.90	31.50	3190	Combines	A,B,C,D
-	D14001*	22.225	14.28	15.60	7.92	23.60	23.60	4.70	4.00	36.25	-	9000	Power Tillers	-
-	D10501/ X10501	15.875	6.35	10.16	5.07	14.60	13.60	2.00	2.00	17.60	19.10	2700	Power Reaper Binder	A,B,C,D
-	** A087010001	12.70/ 25.40	5.15	7.75	4.08	11.81	11.81	1.37	1.37	13.00	15.75	1400	Power Reaper	B,C,D
-	** A087010002	12.70/ 25.40	5.15	7.75	4.08	11.81	11.81	1.37	1.37	13.00	15.75	1400	Power Reaper	B,C,D
32B-1	D32001 0003	50.80	30.99	29.21	17.81	42.20	-	-	-	67.40	75.30	22500	Tractor Driven Combines	B,C,D

\* Straight Contour,

\*\* With Attachments



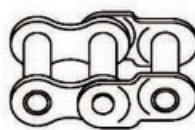
A



B



C



D

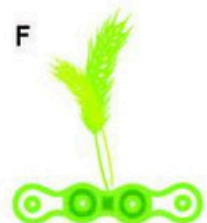


E

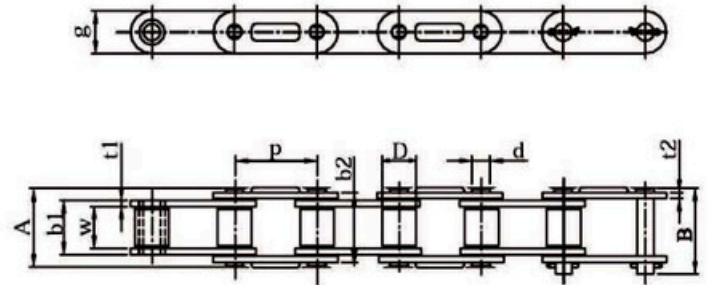


F

Note: Spares E & F are available for all models

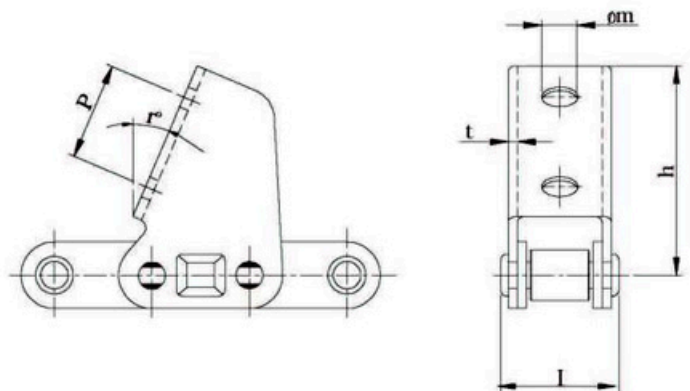


## Base Chain



Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Width over Inner Plates b1 (Max)	Width over Outer Plates b2 (Max)	Bearing Pin Dia. d (Max)	Width over Bearing Pin A (Max)	Width over Joint Fasteners B (Max)	Link Plate Height g (Max)	Plate Thickness		Bearing Weight / Metre (Kg)	Average Weight / Metre (Kg)	Tensile Strength	
											t1 (Nom)	t2 (Nom)			Min (Kg)	Avg (Kg)
CA627	U30001	30.00	19.05	15.88	25.45	32.00	8.27	35.60	38.90	20.70	2.90	2.90	2.10	2.45	4500	5400

## Maize Chain



Chain No.	TIDC Att. No.	Maize Att.	Dimensions						
			Outer	h	I	r <sup>e</sup>	p	t	m
CA627	M72	✓		63.00	36.70	23.00	30.00	2.90	6.50



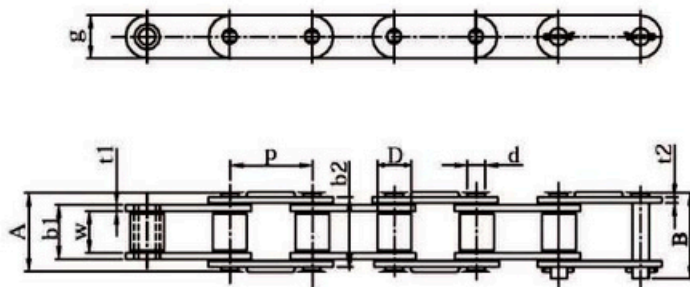
# Agricultural Roller Chains



**SEIMITSU**  
ACCESS to a BRIGHTER FUTURE



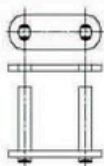
## Base Chain



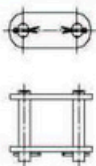
Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Width over Inner Plates b1 (Max)	Width over outer Plates b2 (Max)	Bearing Pin Dia. d (Max)	Width over Bearing Pin A (Max)	Width over Joint Fasteners B (Max)	Link Plate Height g (Max)	Plate Thickness		Bearing Weight / Metre (Kg)	Average Weight / Metre (Kg)	Tensile Strength	
											t1 (Nom)	t2 (Nom)			Min (Kg)	Avg (Kg)
38.4R	U38401	38.40	19.05	15.88	24.20	29.60	6.93	32.80	36.50	17.20	2.40	2.40	1.70	2.63	3570	3800



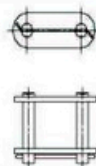
INNER LINK



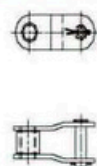
OUTER LINK



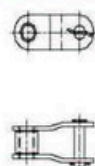
CONNECTING LINK SECURED WITH SPLIT PIN



CONNECTING LINK SECURED WITH WIRE

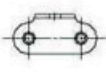
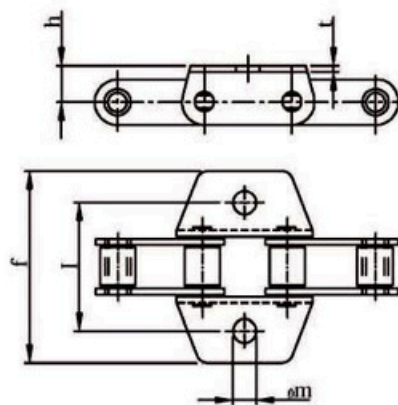


CONNECTING LINK SECURED WITH SPLIT PIN



OFFSET LINK SECURED WITH WIRE

## Feeder House Chain



INNER LINK



OUTER LINK



CONNECTING LINK SECURED WITH SPLIT PIN

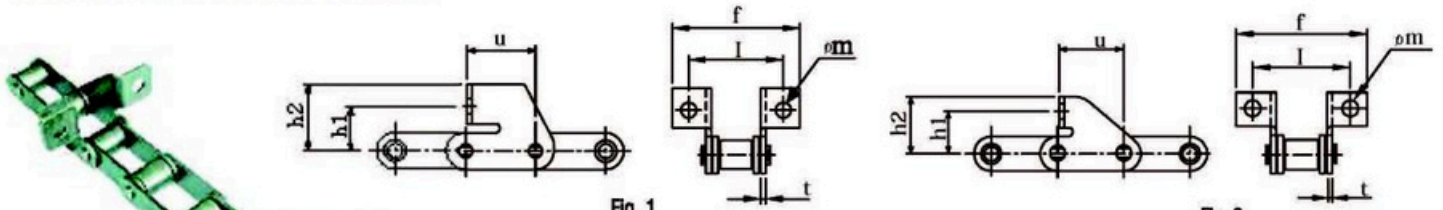


CONNECTING LINK SECURED WITH WIRE

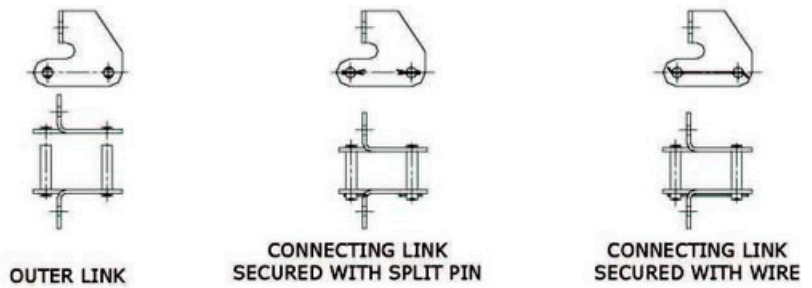
Chain No.	TIDC Att. No.	Maize Att.	Dimensions				
			I	f	m	h	t
38.4R	K5	✓	57.00	87.30	8.50	16.00	2.40



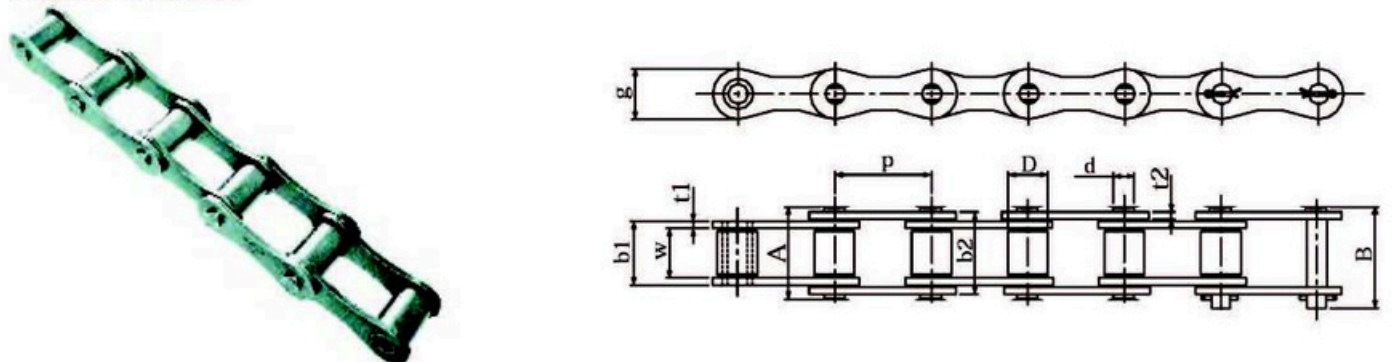
## Grain Elevator Chain



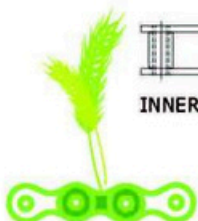
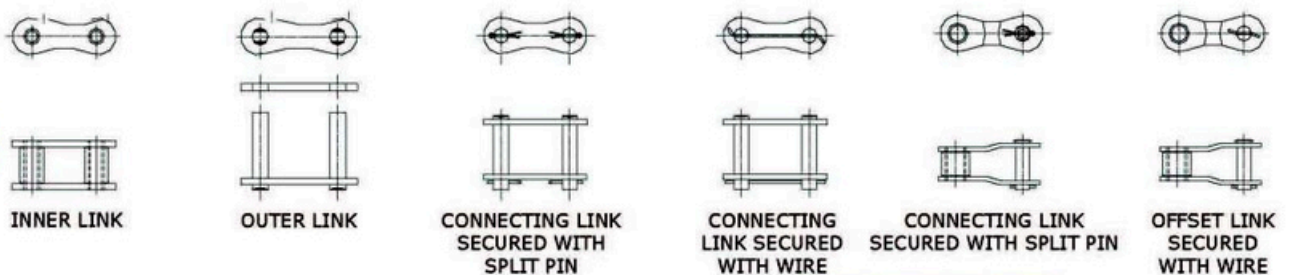
Chain No.	TIDC Att. No.	Elevator Att. Outer	Dimensions							Fig No.
			I	f	m	h1	h2	u	t	
38.4R	A	✓	52.00	72.50	8.40	24.00	34.50	32.00	2.40	1
	D	✓	52.00	72.00	8.60	24.00	35.00	37.40	2.40	2



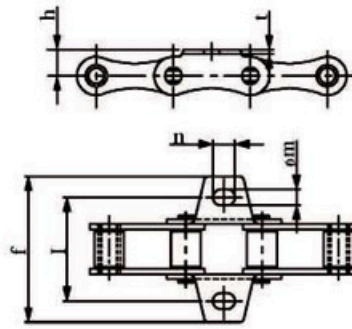
## Base Chain



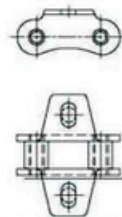
Intl. Ref. No.	Diamond Chain No.	Pitch P	Width between Inner Plates W (Min)	Roller Dia. D (Max)	Width over Inner Plates b1 (Max)	Width over outer Plates b2 (Max)	Bearing Pin Dia. d (Max)	Width over Bearing Pin A (Max)	Width over Joint Fasteners B (Max)	Link Plate Height g (Max)	Plate Thickness		Bearing Weight / Metre (Kg)	Average Weight / Metre (Kg)	Tensile Strength	
											t1 (Nom)	t2 (Nom)			Min (Kg)	Avg (Kg)
P41.30	U41406	41.30	22.23	15.88	28.70	35.45	8.27	39.40	41.70	20.70	2.90	2.90	2.40	1.85	5400	6000
	U41406 HPC	41.30	22.23	15.88	28.70	35.45	8.27	39.40	41.70	22.20	2.90	2.90	2.40	1.99	6500	7000



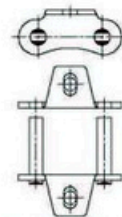
## Feeder House Chain



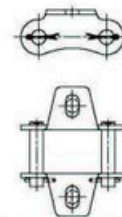
Chain No.	TIDC Att. No.	Att.	Dimensions					
			I	f	m	n	h	t
P41.30	K2	✓	70.00	94.00	9.00	11.50	16.00	2.90



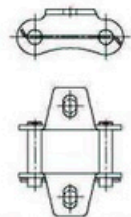
INNER LINK



OUTER LINK



CONNECTING LINK SECURED WITH SPLIT PIN



CONNECTING LINK SECURED WITH WIRE

## Grain Elevator Chain

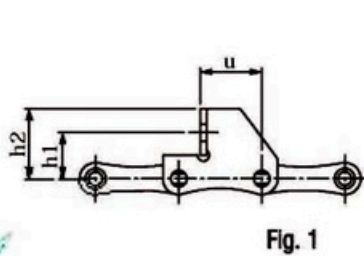
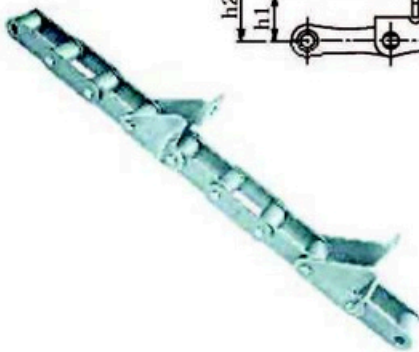


Fig. 1

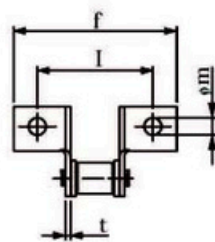
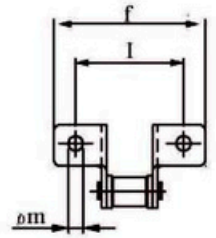
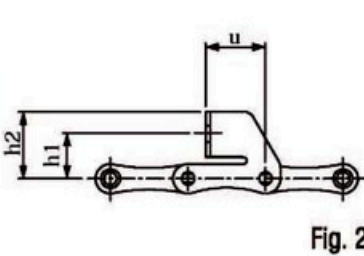
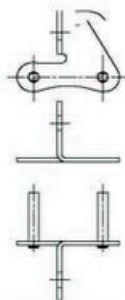


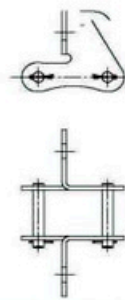
Fig. 2



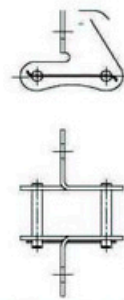
Chain No.	TIDC Att. No.	Elevator Att. Outer	Dimensions								Fig No.
			I	f	m	n	h1	h2	h	t	
P41.30	A	✓	60.00	83.00	6.50	-	25.00	32.70	28.60	2.90	1
	C	✓	60.00	80.00	7.00	-	27.00	45.25	37.75	2.90	2



OUTER LINK



CONNECTING LINK SECURED WITH SPLIT PIN



CONNECTING LINK SECURED WITH WIRE



## Feeder House Set Chains

TIDC SET PART No.	Application	Chain Model	Qty/Machine	Local Name	Combine Type
U 41406 BK1 060 KCS 01	Feeder Inner Feeder Outer	U41406BK1XA-60T U41406BK13A-60T	1 2	60 Link Feeder Set or 10-6-20 Feeder Set	Tractor Combine
U 41406 BK1 066 KCS 02	Feeder Inner Feeder Outer	U41406BK104-66T U41406BK105-66T	1 2	66 Link Feeder Set or 11-6-22 Feeder Set	Self & Tractor Combine
U 41406 BK1 060 KCS 03	Feeder Inner Feeder Outer	U41406BK11A-60T U41406BK12A-60T	1 2	60 Link Feeder Set or 15-4-30 Feeder Set	Tractor Combine
U 41406 BK1 052 KCS 04	Feeder Inner Feeder Outer	U41406BK11A-52T U41406BK12A-52T	1 2	52 Link Feeder Set or 13-4-26 Feeder Set	Tractor Combine
U 41406 BK1 065 KCS 05	Feeder Inner Feeder Outer	U41406-BK102-65-J U41406-BK103-65J	1 2	65 Link Feeder Set or 11-6-22 Feeder Set	Tractor Combine
U 41406 BK1 074 KCS 08	Feeder Inner Feeder Outer	U41406BK11A-74T U41406BK12A-74T	1 2	74 Link Feeder Set or 18-4-36 Feeder Set	Self Combine
U 41406 BK1 084 KCS 09	Feeder Inner Feeder Outer	U41406BK1XA-84T U41406BK13A-84T	1 2	84 Link Feeder Set or 14-6-28 Feeder Set	Self Combine
U 41406 BK1 076 KCS 10	Feeder Inner Feeder Outer	U41406BK11A-76T U41406BK12A-76T	1 2	76 Link Feeder Set or 19-4-38 Feeder Set	Self Combine
U 41406 BK1 056 KCS 11	Feeder Inner Feeder Outer	U41406BK11A-56T U41406BK12A-56T	1 2	56 Link Feeder Set or 14-4-28 Feeder Set	Self Combine
U 41406 BK1 084 KCS 12	Feeder Inner Feeder Outer	U41406BK11A-84T U41406BK12A-84T	1 2	84 Link Feeder Set or 21-4-42 Feeder Set	Self Combine
U 41406 BK1 072 KCS 15	Feeder Inner Feeder Outer	U41406BK114-72T U41406BK115-72T	1 2	72 Link Feeder Set or 12-6-24 Feeder Set	Tractor Combine
U 41406 BK1 078 KCS 16	Feeder Inner Feeder Outer	U41406BK11A-78T U41406BK116-78T	1 2	78 Link Feeder Set or 19-4-38 Feeder Set	Self Combine
U 41406 BK2 088 KCS 07	Feeder Inner Feeder Outer	U41406BK21A-88T U41406BK22A-88T	1 2	88 Link Feeder Set or 22-4-44 Feeder Set	Self Combine
U 38401 BK5 078 KCS 01	Feeder Inner Feeder Outer	U38401BK507-78T U38401BK508-78T	1 2	78 Link Feeder Set or 13-6-26 Feeder Set	Tractor Combine

\*Special sizes also available as per customer requirement



## Combine Harvester

Probably no other piece of farm equipment leads a life of greater extremes. Idle for much of the year and then fired up and operated at full capacity for a short window of time, combines need to be dependable. Diamond chains provide dependable services in dozens of combine applications that face dusty, dirty and harsh conditions. Agriculture equipment designer can choose from a wide range of Diamond chains to help ensure long, trouble-free chain life for the many complex system of combines.

## Grain Elevator Set Chains

TIDC SET PART No.	Application	Chain Model	Qty/Machine	Local Name	Combine Type
U 41406 BEA ECS 01	Elevator	U41406BEA2A-150T U41406BEA2A-143L	1 1	293 Link Elevator or 36-37 Pads	Self and Tractor Combine
U 41406 BEA ECS 02	Elevator	U41406-BEA 2A-151L U41406-BEA 2A-145L	1 1	36-37 Pad Elevator in 296 Links	Self and Tractor Combine
U 41406 BEA ECS 03	Elevator	U41406-BEA2A-144T	2	144 Link Elevator Set of two	Self and Tractor Combine
U 41406 BEA ECS 07	Elevator	U41406BEA2A-152T U41406BEA2A-146T	1 1	36-38 Pad Elevator in 298 Link	Self and Tractor Combine
U 41406 BEA ECS 08	Elevator	U41406BEA2A-152T	2	152 Link Elevator Set of two or 36 Pads Elevator in set of two	Self and Tractor Combine
U 41406 BEA ECS 09	Elevator	U41406BEA2A-160T	2	160 Link Elevator Set of two or 40 Pads Elevator in set of two	Self and Tractor Combine
U 41406 BEA ECS 10	Elevator	U41406BEA2A-168T	2	168 Link Elevator Set of two or 40 Pads Elevator in set of two	Self and Tractor Combine
U 41406 BEA ECS 11	Elevator	U41406BEA03-148T U41406BEA04-137L	1 1	34-37 Pad Elevator in 285 Link	Self and Tractor Combine

## Main Drive- Tractor Mounted

Chain Model	Pitch	No of Links
D320 01 0003 - 97Z	2"	97
D320 01 0003 - 98T	2"	98
D320 01 0003 - 101Z	2"	101
D320 01 0003 - 102Z	2"	102

