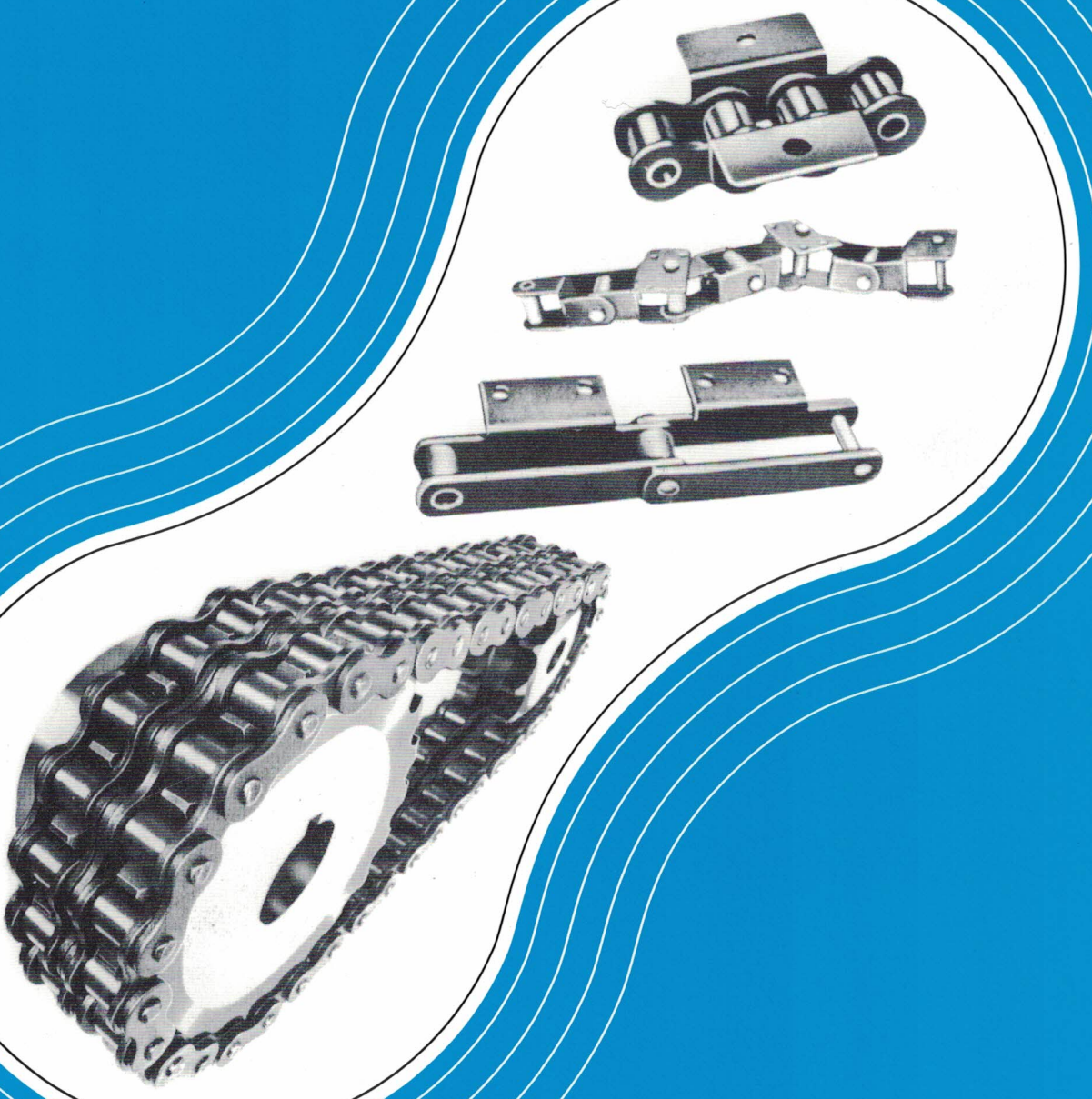
OH.KSO hokusan kogyo

Conveyor Chain



Panoramic view of the company

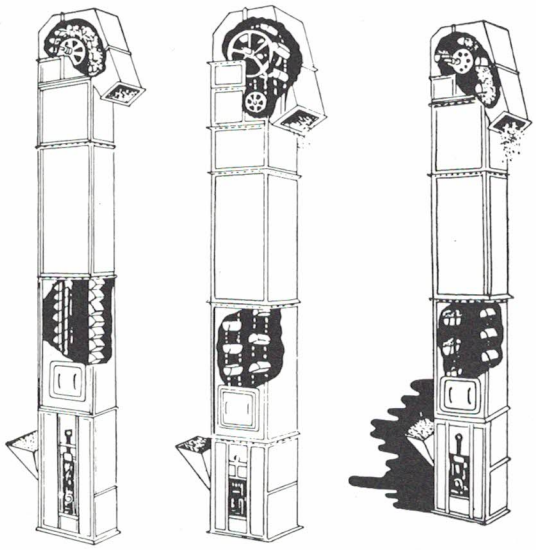
Our ex-president, Giichi Kitade, established Kitade Company Ltd. in June, 1961, hoping to stimulate achievement in local industry, and we started to produce rollers, putting in new and powerful machines. Since then, we have been establishing our position in the industry slowly but steadily with superior technology and reliable quality. In March, 1972, Hokusan Industry Co.,Ltd. was established and has been producing rollers, various types of machine parts, and various types of conveyor chains. Seeking to produce labor-saving machine which plays a key role in the industry, we all have been making efforts to keep the confidence of our customers that is placed in our high technology.
Your continued support and patronage will be appreciated.

STEEL CONVEYOR CHAIN
CONVEYOR FLOW CHAIN
DOUBLE PITCH ROLLER CHAIN

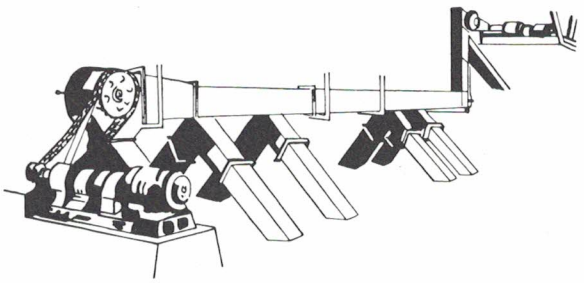
HOKUSAN INDUSTRY CO., LTD

Contents

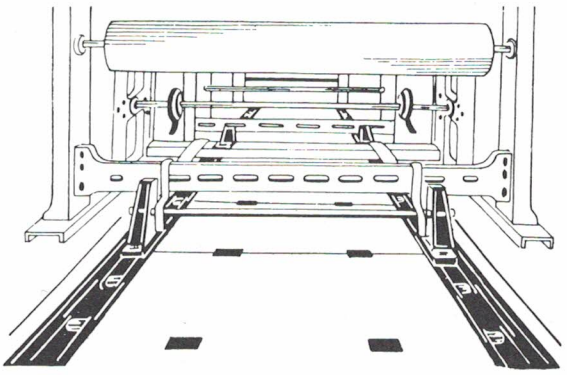
pages



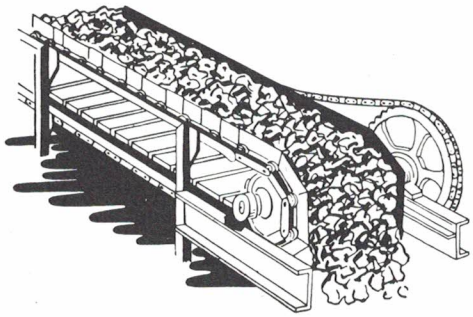
BUCKET ELEVATOR



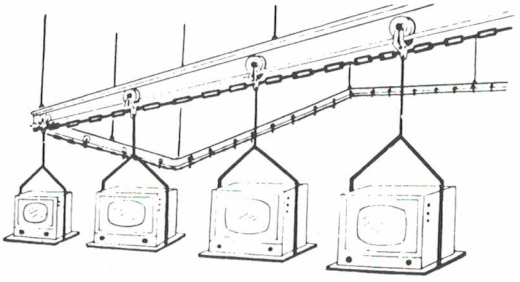
CONTINUOUS FLOW CONVEYOR



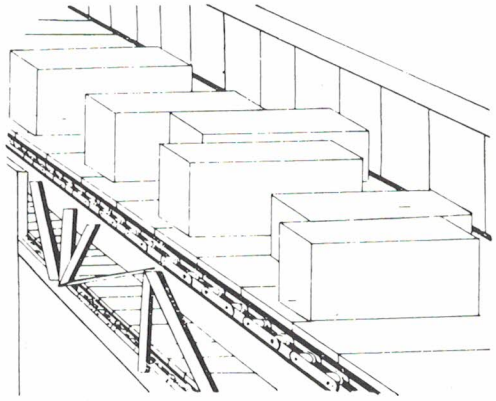
PUSHER CHAIN CONVEYOR



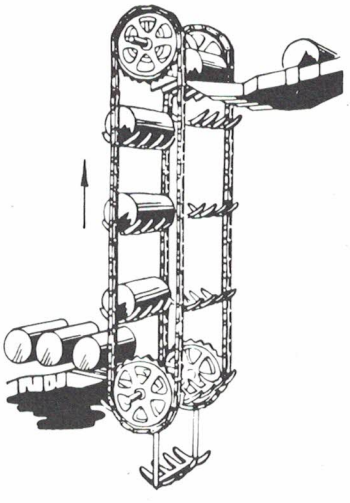
APRON CONVEYOR, PAN CONVEYOR



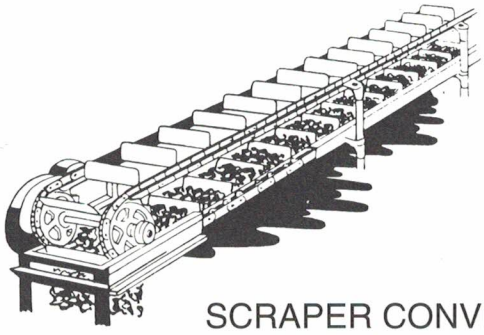
TROLLEY CONVEYOR



SLAT CONVEYOR



TRAY CONVEYOR



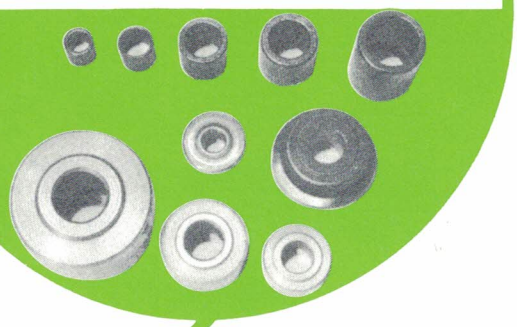
SCRAPER CONVEYOR
FLIGHT CONVEYOR

Structure of Conveyor Chain

Conveyor chain is the most representative of all types of chains and consists of pin, bush, roller and link plate. Compared with other type of chain, it has higher strength, higher wear resistance and needs lower power to drive. According to its use, you can select suitable materials for particular parts and suitable attachments.

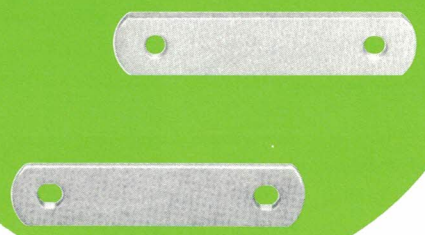
Roller

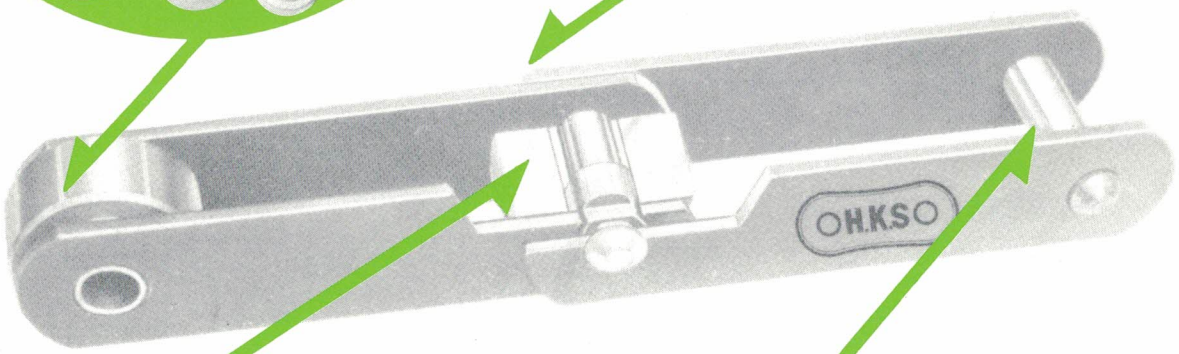
For smooth operation of chain and protection of sprocket, iron casted precisely is used for large type chain and case-hardening steel is used for S type chain.



Link Plate

Plate is cut out of half-hard steel, and pin hole and bush hole are punched by pressing at the same time , so there is high precision without pitch distortion.



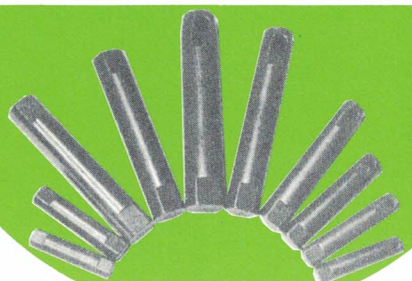


Bush

Highest wear resistance is required for this part. We use steel case hardened on both inner and outer side, and press the bush correctly into link plate.

Pin

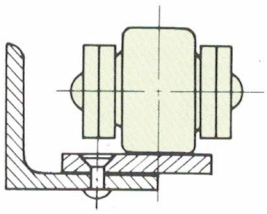
High wear resistance and high tenacity are required for this part, so we use carbon steel case hardened or casehardening steel.



Structure of Conveyor Chain

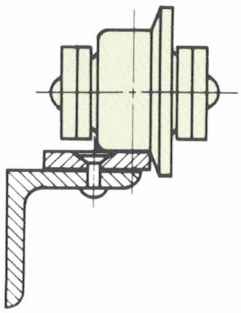
R-roller type

Outer diameter of roller is larger than the width of link plate. This type of chain is used for slat conveyor, pallet conveyor, flight conveyor, etc.



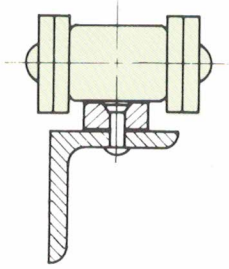
F-roller type

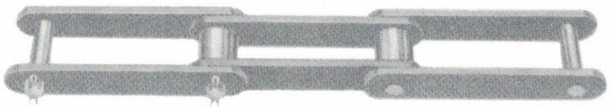
F-roller is R-roller with flange to serve as a guide on the guide rail. This type of chain is used for slay conveyor, bucket elevator, pan conveyor, etc.



S-roller type

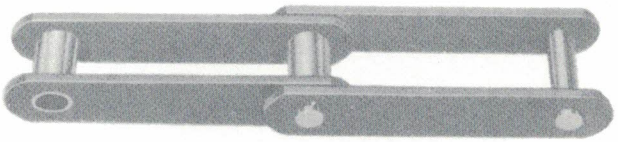
Diameter of roller is smaller than the width of link plate. This type of chain is used for line conveyor, bucket elevator, flow conveyor, etc.





Bushed chain

This type of chain has no roller and light weight. It is used for conveyor of car wash, trolley conveyor adding the guide roller.



How to select Conveyor Chain

To use conveyor effectively, it is very important to select appropriate and high quality chain. In fact, conveyor depends on chain. Generally the important factors to select chain are as follows;

1. Types of conveyor
2. Types of load to be conveyed
3. Weight of load and distance to be conveyed
4. Conveyance speed
5. Atmosphere of conveyor

Considering these factors, you can determine chain following the steps below-mentioned.

1. Chain type

Please refer to the following list. When you use roller chain, you need to consider roller type and way of guide rail.

List No.1 applicable chain range

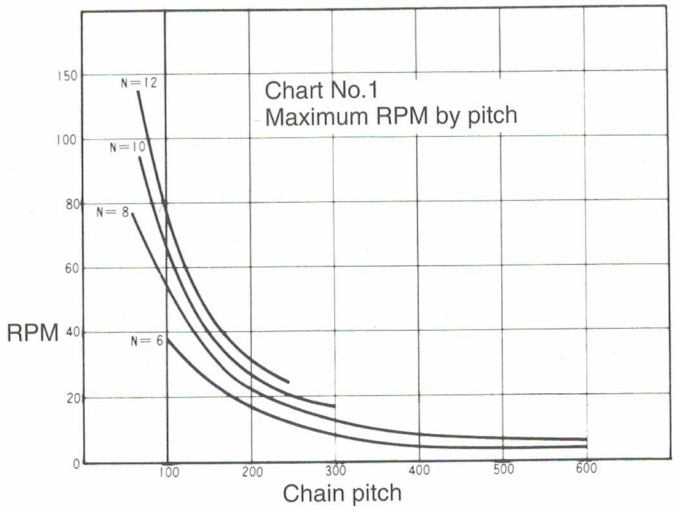
○:suitable for use, △:possible to use

	load		speed		distance		bad atmosphere	applicable conveyor
	large	small	fast	slow	long	short		
roller chain	○		○		○		○	all types of conveyor
bushed chain	△			○	△		△	low speed conveyor
rivetlss chain	△			○	△			low speed curved conveyor
Double pitch roller chain		○	△			○	○	light load conveyor
curved chain		○		○	△		△	Up and down conveyor

2. Chain speed(Revolution Per Minute of sprocket) and Chain pitch

Determination of the chain pitch involves not only the material to be conveyed but also the conveyor type such as aprons, buckets, etc. The higher the chain speed, the more the chain can be damaged, so chain pitch also depends on the chain speed. Generally the relation among chain pitch, RPM and number of sprocket teeth is as you can see the chart No.1.
You need to calculate RPM by the following formula and decide chain pitch with allowable RPM.

$$\text{RPM of sprocket} = \frac{1000 \times \text{Chain speed (m/min.)}}{\text{No.of sprocket teeth} \times \text{pitch (mm)}}$$



3. Chain tension and required horse power

You can calculate the maximum chain tension and the required horse power of the general type of chain from the following formulas.

T : Total chain tension(kg)
Q : Maximum capacity of the conveyor(₹/hr)
S : Chain speed(m/min)
V : Vertical center distance between sprockets(m)
C : Center distance between shaft(m)
H : Horizontal center distance between sprockets(m)
W : Weight of whole material carried on the conveyor(kg/m)
f_1 : Coefficient of friction between chain and guide rail
f_2 : Coefficient of friction between conveyed material and steel trough
η : Transmission efficiency
HP : Required horse power

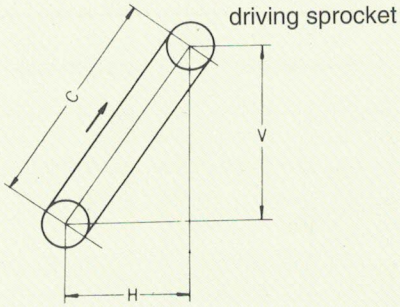
a) General type

$$T = 16.7 \frac{Q}{S}(V+f_2H) + W(V+f_1H) + 1.1W(f_1H - V)$$

In case of $(f_1H - V) < 0$, $1.1W(f_1H - V)$ must be 0

$$HP = \frac{1.1}{4500} \cdot \frac{S}{\eta}\{T - W(V - f_1H)\}$$

In case of $(V - f_1H) < 0$, $W(V - f_1H)$ must be 0



general type

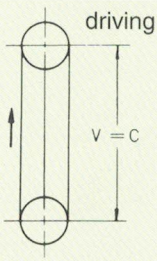
How to select Conveyor Chain

b) Vertical conveyance type

$T=\left(16.7\frac{Q}{S}+W\right)C$, $HP=\frac{1}{250}\cdot\frac{QC}{\eta}$

For bucket elevators, the following formulas should be used.

Continuous elevators: C = C + 1.5
Intermittent elevators: C = C + 3.0



Vertical type

c) Horizontal conveyance type

(in case of carrying the load by slat conveyor, apron conveyor, etc.)

$T=\left(16.7\frac{Q}{S}+2.1W\right)f_1C$

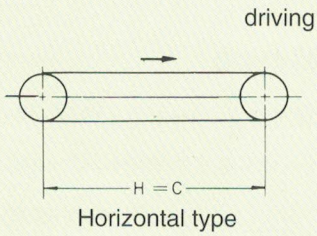
$HP=\frac{1.1}{4500}\cdot\frac{1}{\eta}(16.7Q+2.1WS)f_1C$

d) Horizontal conveyance type

(in case of carrying the load by trough conveyor, flight conveyor, etc.)

$T=\left(16.7\frac{Q}{S}f_2+2.1Wf_1\right)C$

$HP=\frac{1.1}{4500}\cdot\frac{1}{\eta}(16.7Qf_2+2.1WSf_1)C$



Horizontal type

Values of f_1

Dia. of roller(mm)	Lubricated	Dry
D < 50	0.15	0.2
50≦D < 75	0.13	0.18
75≦D < 100	0.12	0.17
100≦D	0.11	0.16

Values of f_2

The load to be conveyed	f_2
coal	0.30～0.60
coke	0.35～0.70
dry sand	0.55～0.65
wet ashes	0.60～0.90
lime stone	0.35～0.55

4. Correction of the load weight

Calculated tension should be corrected according to the chain speed, the number of sprocket teeth, and atmosphere.

From the List No.2 and chart No.2, you can see the service factor and the correction factor, and multiply them by the tension.

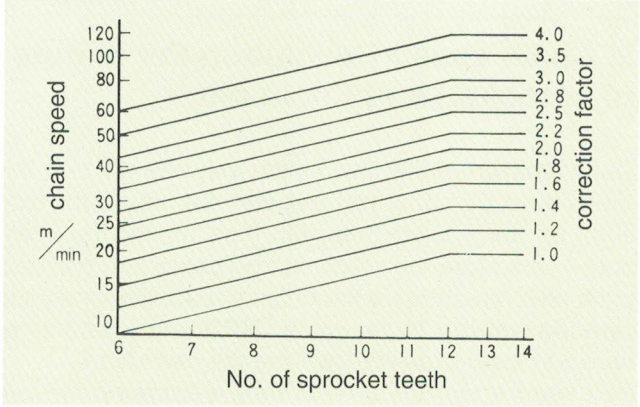
List No.2 Service factor

condition in use	operation per day(hr./day)	
	～10	10～24
good	1.0	1.2
worse	1.2	1.4
very bad	1.5over	1.8over

Good condition is applied subject to the following conditions.

1. Working load is almost fixed.
2. When loading and unloading, there is no shock.
3. Comparatively clean and within a moderate temperature range.
4. Less wear by powdery dust.
5. Good lubrication

Chart No.2 Correction factor of the working load



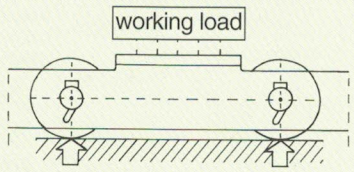
5. Determination of chain

Based on the corrected tensile strength and maximum allowable load shown in this catalog, suitable conveyor chain can be selected.

How to select Conveyor Chain

Allowable load of roller

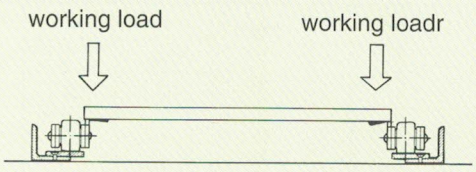
Allowable load of roller (lubricated) per pce. is as the list No.1. In case of using A attachment, you should also see the allowable load of attachment and take smaller weight.



carrying weight of roller carrying weight of roller

Allowable load of standard A attachment

Allowable load of A attachment per pce. is as the list No.2. In case of supporting the load with roller, you should also see the allowable load of roller and take the smaller weight



List No.1 unit : kgf/roller 1pce.

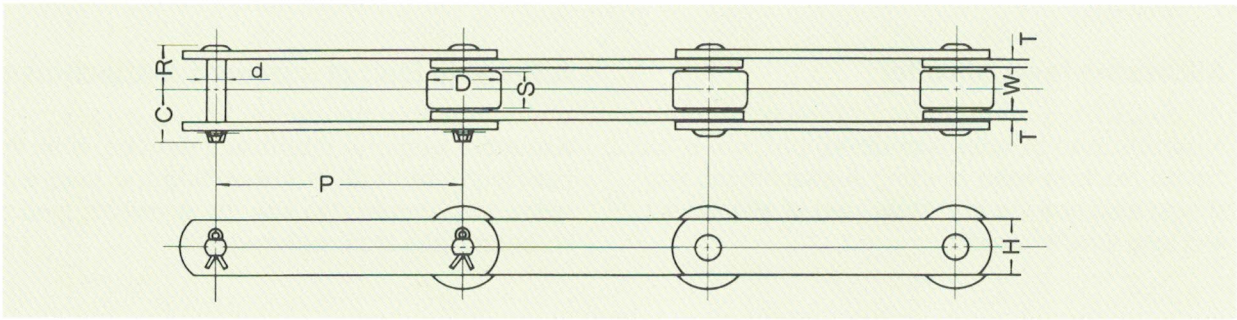
Chain size	R.F roller		S.M N roller Heat-Treated.	Pla Roller Series	Bearing roller series		Needle Bush Series
	Standard Series	Heavy Series			R roller	F roller	
HF03075	55	90	55	90	200	200	–
HF03100	55	90	55	90	200	200	–
HE3400	95	160	95	–	–	–	–
HF 5075	105	175	105	–	–	–	–
HF05100	105	175	105	145	310	200	105
HF05150	105	175	105	145	310	200	–
HE5261	–	–	130	–	–	–	–
HE5400	130	215	130	210	420	270	–
HF08150	130	215	130	–	420	270	–
HE5600	145	240	145	–	–	–	–
HF10100	180	300	180	250	560	350	–
HF10150	180	300	180	250	560	350	180
HE9400	215	365	215	–	–	–	–
HE9307	–	–	255	–	–	–	–
HE12600	255	425	255	–	–	–	–
HF12200	255	425	255	–	850	560	–
HF12250	255	425	255	–	850	560	–
HF17600	295	495	295	–	–	–	–
HF17200	410	680	410	–	1,440	1,000	–
HF17250	410	680	410	–	1,440	1,000	–
HF17300	410	680	410	–	1,440	1,000	–
HF26200	540	900	540	–	–	–	–
HF26250	540	900	540	–	2,000	1,400	–
HF26300	540	900	540	–	2,000	1,400	–
HF26450	540	900	540	–	2,000	1,400	–
HF36250	760	1,260	760	–	–	–	–
HF36300	760	1,260	760	–	2,800	1,900	–
HF36450	760	1,260	760	–	2,800	1,900	–
HF36600	760	1,260	760	–	2,800	1,900	–
HF52300	1,000	1,690	1,000	–	–	–	–
HF52450	1,000	1,690	1,000	–	–	–	–
HF52600	1,000	1,690	1,000	–	–	–	–

List No.2 unit : kgf/att. 1pce.

Chain size	Standard Series	Heavy Series
HF03075	80	120
HF03100	95	145
HE3400	160	240
HF05075	105	160
HF05100	135	200
HF05150	175	260
HE5261	110	165
HE5400	220	330
HF08150	285	425
HE5600	240	240
HF10100	210	315
HF10150	265	400
HE9400	330	490
HE9307	245	370
HE12600	375	440
HF12200	450	540
HF12250	540	545
HE17600	505	600
HF17200	495	585
HF17250	685	700
HF17300	225	225
HF26200	450	670
HF26250	620	930
HF26300	470	470
HF26450	680	680
HF36450	700	700
HF36600	880	880
HF52450	990	990
HF52600	1,230	1,230

Notes : There is no difference of allowable load of attachment whose chain pitch is over 300 between standard series and heavy series. (because of using angle)

HF · HE-R type Roller Chain Dimensions



dimension : mm

Chain No.	Pitch P	Roller Dia. D	Roller Width between inner plates S	Roller Link Width W	Pin R	Pin d	Pin C	Link Plate Width H	Link Plate Thickness T	Weight kg / m	Average Ultimate Strength kg	Maximum Allowable Load kg
HF 3075-R	75	30	15.5	18	18	7.95	20	22	3.2	2.5	3,000	450
HF 3100-R	100									2.2		
HF 3125-R	120									2.0		
HF 3150-R	150									1.9		
HF 5075-R	75	40	19	22	24	11.11	27	32	4.5	5.6	7,000	1,000
●HF 5100-R	100									5.0		
HF 5125-R	125									4.5		
HF 5150-R	150									4.1		
HF 5175-R	175									3.7		
HF 7100-R	100	45	21.5	25	29	12.7	32.5	32	6	6.8	8,600	1,250
HF 7125-R	125									6.1		
HF 7150-R	150									5.5		
HF 7175-R	175									5.0		
HF 7200-R	200									4.5		
HF 8125-R	125	44.5	23	27	30	11.11	33	28.6	6.3	6.1	8,500	1,200
HF 8150-R	150									5.5		
HF 10100-R	100	50	26.5	30	32	14.29	36	38	6.3	10.0	11,500	1,650
HF 10125-R	125									8.7		
HF 10150-R	150									7.5		
HF 10200-R	200									6.5		
●HF 12200-R	200	65	32	37.1	39.5	15.88	46	45	7.9	11.6	19,000	2,700
●HF 12250-R	250									10.4		
●HF 17200-R	200	80	44	51.4	51	19.05	59.5	50.8	9.5	19.7	25,000	3,500
●HF 17250-R	250									17.2		
●HF 17300-R	300									15.8		
HF 20200-R	200	75	40.5	45	47.5	20.64	55.5	50.8	9.5	16.8	21,000	3,500
HF 20250-R	250									14.8		
HF 20300-R	300									13.5		
HF 25200-R	200	85	44	49	49.5	22.23	57.5	60	9	21.0	28,500	4,100
HF 25250-R	250									18.4		
HF 25300-R	300									16.8		
HF 26200-R	200	100	50	57.2	54	22.23	62	63.5	9.5	28.4	32,000	4,100
HF 26250-R	250									26.2		
●HF 26300-R	300									23.4		
●HF 26450-R	450									18.7		
HF 35300-R	300	100	52	59	54.5	25.4	64.5	75	9	24.0	36,500	5,200
HF 35350-R	350									22.0		
HF 35400-R	400									20.6		
HF 35500-R	500									18.6		
HF 36250-R	250	125	56	66.7	65.5	25.4	75.5	76.2	12.7	45.7	48,500	7,000
HF 36300-R	300									40.4		
●HF 36450-R	450									31.8		
●HF 36600-R	600									27.8		
●HF 52450-R	450	140	65	77	79	31.75	90	90	16	45.8	55,000	8,000
●HF 52600-R	600									39.8		
HE 3400-R	101.6	38.1	19	22.2	24	9.53	27	25.4	4.8	4.3	5,500	800
●HE 5400-R	101.6	44.5	23	27	30	11.11	33	28.6	6.3	6.7	8,500	1,200
HE 5600-R	152.4	50.8	26	30	31.5	11.11	34.5	38	6.0	7.8	8,500	1,200
HE 9400-R	101.6	44.5	27	31.6	37	15.88	41.5	38	7.9	10.4	14,000	2,000
●HE 12600-R	152.4	57.2	32	37.1	40	15.88	46	45	7.9	12.1	19,000	2,700
HE 17600-R	152.4	69.9	32.5	37.1	43.5	19.05	50.5	50.8	9.5	17.1	25,000	3,500

Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

HF·HE-R type Roller Chain Specifications

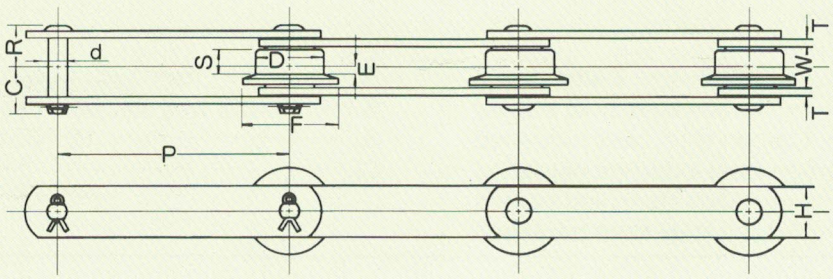
Material symbol

Car. ·····Carbon steel
Car.HT ·····Carbon steel heat treated
Car.CH ·····Carbon steel case hardened
Car.IH ·····Carbon steel induction hardened
Aly.HT ·····Alloy steel heat treated
Aly.CH ·····Alloy steel case hardened
S_4 ·····13Cr type stainless steel
S_4HT ···13Cr type stainless steel heat treated
S_3 ·····18—8 stainless steel
Cl ·····Cast iron

Chain No.	Standard series					Heavy series (AT)					Stainless series									
											400 series(NT•PT)					300 series(ST)				
	Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts			
		LP	P	B	R		LP	P	B	R		LP	P	B	R		LP	P	B	R
HF 3075-R HF 3100-R HF 3125-R HF 3150-R	3,000					7,100					3,500(5,500)					3,400				
HF 5075-R ●HF 5100-R HF 5125-R HF 5150-R HF 5175-R	7,000		Car. CH			14,500					7,200(11,000)					7,000				
HF 7100-R HF 7125-R HF 7150-R HF 7175-R HF 7200-R	8,600					17,500					8,800(13,500)					8,600				
HF 8125-R HF 8150-R	8,000				Car.	14,500				Car. HT	8,000(12,500)					7,000				
HF 10100-R HF 10125-R HF 10150-R HF 10200-R	11,500		—			23,000			Aly. CH HT		11,500(18,000)					11,000				
●HF 12200-R ●HF 12250-R	19,000					28,500	Car. HT				19,000(27,000)	S_4 (S_4HT)				13,500	S_3	S_3	S_3	S_3
●HF 17200-R ●HF 17250-R ●HF 17300-R	25,000		Car. HT	Car CH	Car.	39,500					25,000(36,500)					19,000				
HF 20200-R HF 20250-R HF 20300-R	21,000	Car.				39,500		Aly. HT CH			21,000(36,500)					19,000				
HF 25200-R HF 25250-R HF 25300-R	28,500					53,000	Aly. HT				30,000(47,000)					25,500				
HF 26200-R HF 26250-R ●HF 26300-R ●HF 26450-R	32,000					53,000					30,000(47,000)					25,500				
HF 35300-R HF 35350-R HF 35400-R HF 35500-R	36,500					69,500				Car. HT										
HF 36250-R HF 36300-R ●HF 36450-R ●HF 36600-R	48,500					69,500														
●HF 52450-R ●HF 52600-R	55,000					105,000														
HE 3400-R ●HE 5400-R HE 5600-R HE 9400-R ●HE 12600-R HE 17600-R		Car.	Car. CH HT	Car. CH	Car.	10,000 14,500 14,500 24,500 28,500 39,500	Car. HT Aly. HT	Aly. HT CH	Aly. CH HT	Car. HT	5,500(8,500) 8,500(12,500) 8,500(12,500) 14,000(20,500) 19,000(27,000) 25,000(36,500)	S_4 (S_4HT)	S_4HT	S_4HT	S_4HT		S_3	S_3	S_3	S_3

Notes: Material of parts ··· LP→Link Plate P→Pin B→Bush R→Roller

HF · HE-F type Roller Chain Dimensions



dimension : mm

Chain No.	Pitch	Roller				Roller link width	Pin			Link Plate		Weight	Average Ultimate Strength	Max. allowable Load
		Dia.	F Dia.	Width between inner plates	Eccentricity		R	d	C	Width	Thickness			
	P	D	F	S	E	W				H	T	kg/m	kg	kg
HF 3075-F	75	30	38	12	4	18	18	7.95	20	22	3.2	2.7	3,000	450
HF 3100-F	100											2.3		
HF 3125-F	125											2.1		
HF 3150-F	150											2.0		
HF 5075-F	75	40	50	14	4.5	22	24	11.11	27	32	4.5	5.8	7,000	1,000
●HF 5100-F	100											5.2		
HF 5125-F	125											4.7		
HF 5150-F	150											4.3		
HF 5175-F	175											3.9		
HF 7100-F	100	45	60	16	5	25	29	12.7	32.5	32	6	7.2	8,600	1,250
HF 7125-F	125											6.5		
HF 7150-F	150											5.8		
HF 7175-F	175											5.4		
HF 7200-F	200											4.9		
HF 8125-F	125	44.5	55	20	8.5	27	30	11.11	33	28.6	6.3	6.3	8,500	1,200
HF 8150-F	150											5.8		
HF 10100-F	100	50	65	20	6.5	30	32	14.29	36	38	6.3	10.2	11,500	1,650
HF 10125-F	125											8.9		
HF 10150-F	150											7.7		
HF 10200-F	200											6.7		
●HF 12200-F	200	65	80	24	8	37.1	39.5	15.88	46	45	7.9	12.2	19,000	2,700
●HF 12250-F	250											10.9		
●HF 17200-F	200	80	100	34	12	51.4	51	19.05	59.5	50.8	9.5	20.7	25,000	3,500
●HF 17250-F	250											18.2		
●HF 17300-F	300											16.6		
HF 20200-F	200	75	100	30	10	45	47.5	20.64	55.5	50.8	9.5	17.8	21,000	3,500
HF 20250-F	250											15.7		
HF 20300-F	300											14.3		
HF 25200-F	200	85	100	34	12	49	49.5	22.23	57.5	60	9	22.0	28,500	4,100
HF 25250-F	250											19.2		
HF 25300-F	300											17.6		
HF 26200-F	200	100	125	38	13	57.2	54	22.23	62	63.5	9.5	30.4	32,000	4,100
HF 26250-F	250											27.8		
●HF 26300-F	300											24.7		
●HF 26450-F	450											19.6		
HF 35300-F	300	100	125	40	14	59	54.5	25.4	64.5	75	9	25.2	36,500	5,200
HF 35350-F	350											23.3		
HF 35400-F	400											21.7		
HF 35500-F	500											19.6		
HF 36250-F	250	125	150	42	14	66.7	65.5	25.4	75.5	76.2	12.7	47.6	48,500	7,000
HF 36300-F	300											42.0		
●HF 36450-F	450											33.3		
●HF 36600-F	600											29.0		
●HF 52450-F	450	140	170	49	16.5	77	79	31.75	90	90	16	48.0	55,000	8,000
●HF 52600-F	600											41.8		
HE 3400-F	101.6	38.1	50	14.2	4.1	22.2	24	9.53	27	25.4	4.8	4.7	5,500	800
●HE 5400-F	101.6	44.5	55	20	8.5	27	30	11.11	33	28.6	6.3	6.9	8,500	1,200
HE 5600-F	152.4	50.8	65	20	7	30	31.5	11.11	34.5	38	6.0	8.1	8,500	1,200
HE 9400-F	101.6	44.5	60	20.5	6	31.6	37	15.88	41.5	38	7.9	10.7	14,000	2,000
●HE 12600-F	152.4	57.2	70	25	9	37.1	40	15.88	46	45	7.9	12.4	19,000	2,700
HE 17600-F	152.4	69.9	90	24.5	7.5	37.1	43.5	19.05	50.5	50.8	9.5	17.6	25,000	3,500

Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

HF·HE-F type Roller Chain Specifications

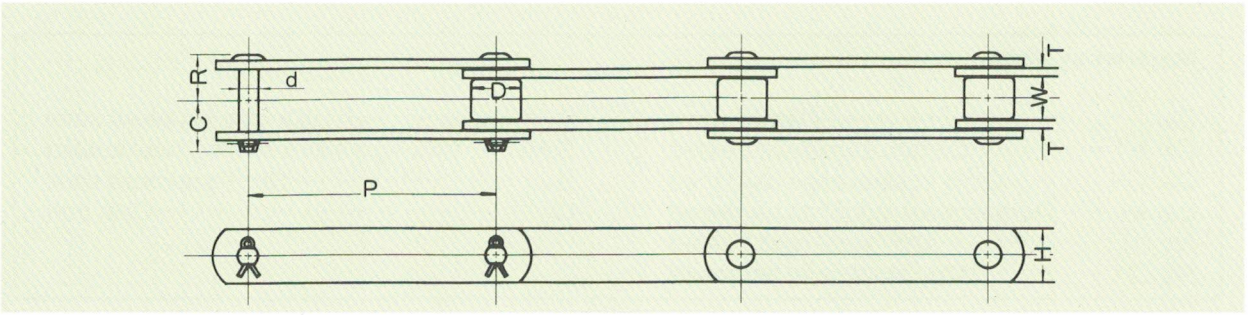
Material symbol

Car. ·····Carbon steel
Car.HT ·····Carbon steel heat treated
Car.CH ·····Carbon steel case hardened
Car.IH ·····Carbon steel induction hardened
Aly.HT ·····Alloy steel heat treated
Aly.CH ·····Alloy steel case hardened
S_4 ·····13Cr type stainless steel
S_4HT ···13Cr type stainless steel heat treated
S_3 ·····18—8 stainless steel
Cl ·····Cast iron

Chain No.	Standard series					Heavy series (AT)					Stainless series									
											400 series(NT·PT)					300 series(ST)				
	Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts			
		LP	P	B	R		LP	P	B	R		LP	P	B	R		LP	P	B	R
HF 3075-F HF 3100-F HF 3125-F HF 3150-F	3,000					7,100					3,500(5,500)					3,400				
HF 5075-F ●HF 5100-F HF 5125-F HF 5150-F HF 5175-F	7,000		Car. CH		Car.	14,500					7,200(11,000)					7,000				
HF 7100-F HF 7125-F HF 7150-F HF 7175-F HF 7200-F	8,600					17,500					8,800(13,500)					8,600				
HF 8125-F HF 8150-F	8,000					14,500				Car. HT	8,000(12,500)					7,000				
HF 10100-F HF 10125-F HF 10150-F HF 10200-F	11,500					23,000			Aly. CH HT		11,500(18,000)					11,000				
●HF 12200-F ●HF 12250-F	19,000		—			28,500	Car. HT				19,000(27,000)	S_4 (S_4HT)	S_4HT	S_4HT	S_4HT	13,500	S_3	S_3	S_3	S_3
●HF 17200-F ●HF 17250-F ●HF 17300-F	25,000	Car.	Car. HT			39,500	Aly. HT	Aly. HT CH			25,000(36,500)					19,000				
HF 20200-F HF 20250-F HF 20300-F	21,000			Car. CH		39,500					21,000(36,500)					19,000				
HF 25200-F HF 25250-F HF 25300-F	28,000					53,000					30,000(47,000)					25,500				
HF 26200-F HF 26250-F ●HF 26300-F ●HF 26450-F	32,000				Car	53,000					30,000(47,000)					25,500				
HF 35300-F HF 35350-F HF 35400-F HF 35500-F	36,500					69,500				Car. HT										
HF 36250-F HF 36300-F ●HF 36450-F ●HF 36600-F	48,500					69,500														
●HF 52450-F ●HF 52600-F	55,000					105,000														
HE 3400-F		Car.	Car. CH HT	Car. HT	Car.	10,000 14,500 14,500 24,500 28,500 39,500	Car. HT Aly. HT	Aly. CH HT	Aly. CH HT	Car. HT	5,500(8,500) 8,500(12,500) 8,500(12,500) 14,000(20,500) 19,000(27,000) 25,000(36,500)	S_4 (S_4HT)	S_4HT	S_4HT	S_4HT		S_3	S_3	S_3	S_3
●HE 5400-F HE 5600-F HE 9400-F ●HE 12600-F HE 17600-F																				

Notes: Material of parts ··· LP→Link Plate P→Pin B→Bush R→Roller

HF · HE-S type Roller Chain Dimensions



dimension : mm

Chain No.	Pitch P	Roller Dia. D	Roller link width W	Pin R	Pin d	Pin C	Link Plate Width H	Link Plate Thickness T	Weight kg/m	Average Ultimate Strength kg	Max. allowable Load kg
HF 3075-S	75	16.00	18.0	18	7.95	20	22	3.2	2.0	3,000	450
HF 3100-S	100								1.8		
HF 3125-S	125								1.6		
HF 3150-S	150								1.4		
HF 5075-S	75	22.2	22	24	11.11	27	32	4.5	5.4	7,000	1,000
●HF 5100-S	100								4.8		
HF 5125-S	125								4.3		
HF 5150-S	150								3.9		
HF 5175-S	175								3.5		
HF 7100-S	100	25	25	29	12.7	32.5	32	6	6.0	8,600	1,250
HF 7125-S	125								5.5		
HF 7150-S	150								5.0		
HF 7175-S	175								4.5		
HF 7200-S	200								4.0		
HF 8125-S	125	22.2	27	30	11.11	33	28.6	6.3	4.3	8,500	1,200
HF 8150-S	150	22.2	27				28.6	6.3	4.0	8,500	1,200
HF 10100-S	100	30	30	32	14.29	36	38	6.3	9.4	11,500	1,650
HF 10125-S	125								8.1		
HF 10150-S	150								6.9		
HF 10200-S	200								5.9		
●HF 12200-S	200	34.9	37.1	39.5	15.88	46	45	7.9	8.4	19,000	2,700
●HF 12250-S	250								7.8		
●HF 17200-S	200	40.1	51.4	51	19.05	59.5	50.8	9.5	12.0	25,000	3,500
●HF 17250-S	250								11.1		
●HF 17300-S	300								10.5		
HF 26200-S	200	44.5	57.2	54	22.23	62	63.5	9.5	15.2	32,000	4,100
HF 26250-S	250								14.7		
●HF 26300-S	300								13.8		
●HF 26450-S	450								12.4		
HF 35300-S	300	50.8	59	54.5	25.4	64.5	75	9	17.2	36,500	5,200
HF 35350-S	350								16.4		
HF 35400-S	400								15.7		
HF 35500-S	500								14.7		
HF 36250-S	250	50.8	66.7	65.5	25.4	75.5	76.2	12.7	24.0	48,500	7,000
HF 36300-S	300								22.9		
● HF 36450-S	450								20.2		
● HF 36600-S	600								19.0		
HF 52450-S	450	57.2	77	79	31.75	90	90	16	26.2	55,000	8,000
HF 52600-S	600								24.2		
HE 3400-S	101.60	20.1	22.2	24	9.53	27	25.4	4.8	3.0	5,500	800
HE 5261-S	66.27	22.2	27	30	11.11	33	28.6	6.3	5.6	8,500	1,200
●HE 5400-S	101.60	22.2	27	30	11.11	33	28.6	6.3	4.6	8,500	1,200
HE 5600-S	152.40	25.8	30	31.5	11.11	34.5	38	6.0	6.0	8,500	1,200
HE 7400-S	101.60	25.8	28.6	31.0	12.7	35.0	38	6.3	6.5	10,000	1,450
HE 9307-S	78.11	31.8	37.1	39.0	15.88	42.5	38	7.9	10.3	14,000	2,000
HE 9400-S	101.60	31.8	31.6	37	15.88	41.5	38	7.9	8.7	14,000	2,000
●HE 12600-S	152.40	34.9	37.1	40	15.88	46	45	7.9	9.3	19,000	2,700
HE 17600-S	152.40	40.1	37.1	43.5	19.05	50.5	50.8	9.5	12.6	25,000	3,500

Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

HF·HE-S type Roller Chain Specifications

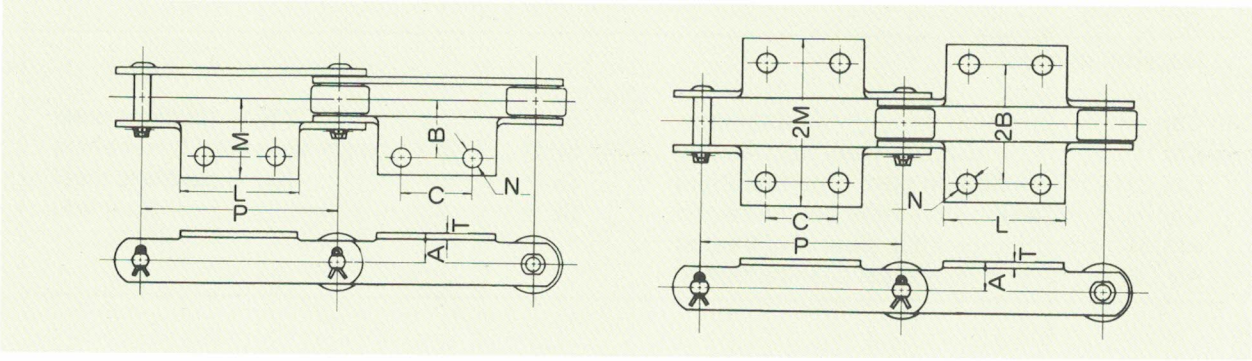
Material symbol

Car. ·····Carbon steel
Car.HT ·····Carbon steel heat treated
Car.CH ·····Carbon steel case hardened
Car.IH ·····Carbon steel induction hardened
Aly.HT ·····Alloy steel heat treated
Aly.CH ·····Alloy steel case hardened
S_4 ·····13Cr type stainless steel
S_4HT ···13Cr type stainless steel heat treated
S_3 ·····18—8 stainless steel
Cl ·····Cast iron

Chain No.	Standard series					Heavy series (AT)					Stainless series									
											400 series(NT·PT)					300 series(ST)				
	Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts				Average Ultimate Strength (kg)	Material of parts			
		LP	P	B	R		LP	P	B	R		LP	P	B	R		LP	P	B	R
HF 3075-S HF 3100-S HF 3125-S HF 3150-S	3,000					7,100					3,500(5,500)					3,400				
HF 5075-S ●HF 5100-S HF 5125-S HF 5150-S HF 5175-S	7,000		Car. CH			14,500					7,200(11,000)					7,000				
HF 7100-S HF 7125-S HF 7150-S HF 7175-S HF 7200-S	8,600					17,500					8,800(13,500)					8,600				
HF 8125-S HF 8150-S	8,000					14,500			Aly. CH HT	Car. HT	8,000(12,500)					7,000				
HF 10100-S HF 10125-S HF 10150-S HF 10200-S	11,500		—			23,000	Car. HT				11,500(18,000)	S_4 (S_4HT)	S_4HT	S_4HT	S_4HT	11,000	S_3	S_3	S_3	S_3
●HF 12200-S ●HF 12250-S	19,000					28,500	Aly. HT				19,000(27,000)					13,500				
●HF 17200-S ●HF 17250-S ●HF 17300-S	25,000	Car.	Car. HT	Car. CH	Car. CH	39,500		Aly. HT CH		Aly. HT	25,000(36,500)					19,000				
HF 26200-S HF 26250-S ●HF 26300-S ●HF 26450-S	32,000					53,000					30,000(47,000)					25,500				
HF 35300-S HF 35350-S HF 35400-S HF 35500-S																				
HF 36250-S HF 36300-S ●HF 36450-S ●HF 36600-S	48,500					69,500														
HF 52450-S HF 52600-S	55,000					105,000	Aly.													
HE 3400-S	5,500					10,000					5,500(8,500)									
HE 5261-S	8,500					14,500	Car.				8,500(12,500)									
●HE 5400-S	8,500					14,500		Aly.		Car	8,500(12,500)									
HE 5600-S	8,500	Car.	Car.	Car	Car.	14,500	HT		Aly.	HT	8,500(12,500)	S_4								
HE 7400-S	10,000		CH			19,000		CH			10,000(14,000)									
HE 9307-S	14,000		HT	CH	CH	24,500	Aly.	HT	CH		14,000(20,500)	(S_4HT)	S_4HT	S_4HT	S_4HT		S_3	S_3	S_3	S_3
HE 9400-S	14,000					24,500					14,000(20,500)									
●HE 12600-S	19,000					28,500	HT		HT		19,000(27,000)									
HE 17600-S	25,000					39,500				Aly. HT	25,000(36,500)									

Notes: Material of parts ••• LP→Link Plate P→Pin B→Bush R→Roller

A-2 · K-2 Attachments Dimensions

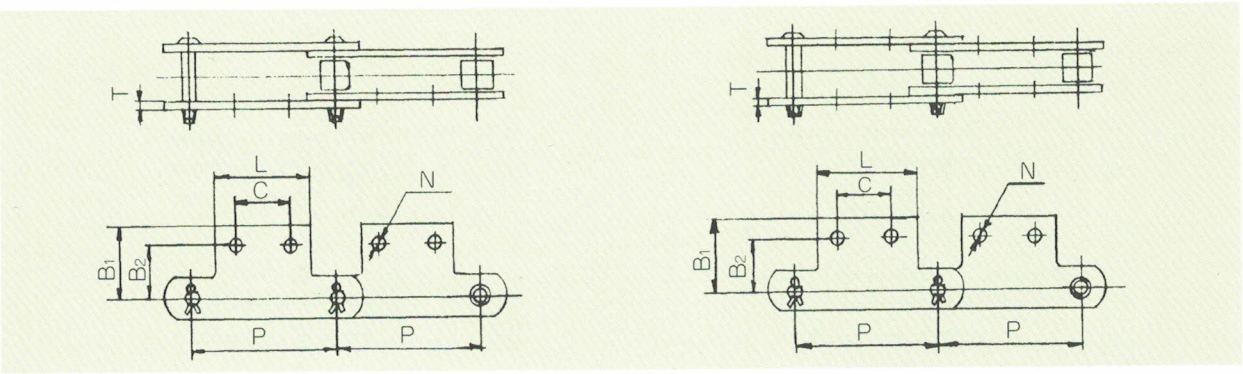


dimension : mm

Chain No.	P	A	B	C	L	M	N	T	Weight per pce. kg
HF 3075R.F.S	75			35(30)	60(55)				0.05
HF 3100R.F.S	100	15(20)	30	40	65	46	10	3.2	0.06
HF 3125R.F.S	125			50	75				0.06
HF 3150R.F.S	150			60	85				0.07
HF 5075R.F.S	75			30(35)	54(59)				0.07
●HF 5100R.F.S	100			40	65				0.08
HF 5125R.F.S	125	22	35	50	75	56.5	10	4.5	0.09
HF 5150R.F.S	150			60	85				0.10
HF 5175R.F.S	175			70	95				0.12
HF 7100R.F.S	100			40	70				0.20
HF 7125R.F.S	125			50	80				0.22
HF 7150R.F.S	150	25	40	60	90	63	12	6	0.25
HF 7175R.F.S	175			70	100				0.28
HF 8125R.F.S	125	28	50	50	75	70	12	6.3	0.17
HF 8150R.F.S	150	28	50	60	90	70	12	6.3	0.22
HF 10100R.F.S	100			40	70				0.18
HF 10125R.F.S	125	28	50	50	80	74	12	6.3	0.23
HF 10150R.F.S	150			60	90				0.28
HF 10200R.F.S	200			80	120				0.37
●HF 12200R.F.S	200	38	60	80	120	85	15	7.9	0.42
●HF 12250R.F.S	250			125	165				0.58
●HF 17200R.F.S	200	45	75	80	120	108	15	9.5	0.80
●HF 17250R.F.S	250			125	165				1.11
HF 20200R.F	200	40	70	80	120	103	15	9.5	0.70
HF 20250R.F	250			125	165				0.96
HF 25200R.F	200	45	75	80	120	103	15	9	0.72
HF 25250R.F	250			125	165				0.98
HF 26200R.F.S	200	55	80	80	120	111.5	15	9.5	0.85
HF 26250R.F.S	250			125	165				1.17
HE 3400R.F.S	101.6	22	40	40	70	59	11	4.8	0.15
HE 5261S	66.27	28	45	30	60	70	11	6.3	0.18
HE 5400R.F.S	101.6	28	50	40	70	70	11	6.3	0.20
HE 5600R.F.S	152.4	32	50	60	90	72	11	6.3	0.25
HE 7400S	101.6	30	51	38	68	71.5	11	6.3	0.24
HE 9307S	78.11	35	60	30	65	86.5	12	7.9	0.30
HE 9400R.F.S	101.6	35	55	40	80	84	15	7.9	0.30
HE 12600R.F.S	152.4	38	60	60	100	85	15	7.9	0.40
HE 17600R.F.S	152.4	45	65	60	100	100	15	9.5	0.55

Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

SA-2 · SK-2 Attachments Dimensions

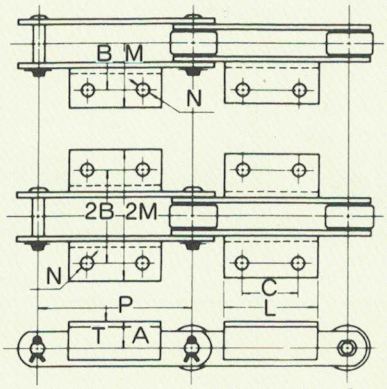


dimension : mm

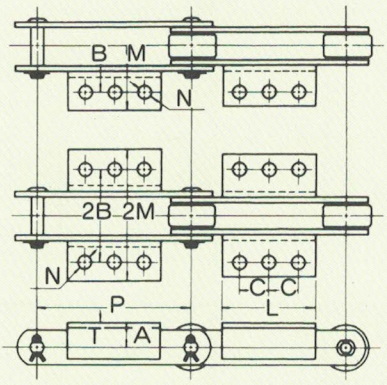
Chain No.		P	B1	B2	C	L	N	T	Weight per pce. kg
Chain size	Roller type								
HF 3075	R.S.F	75	42.2 (47.2)	26.2 (33.0)	35 (30)	60 (55)	10	3.2	0.05
HF 3100	R.S.F	100			40	65			0.06
HF 3125	R.S.F	125			50	75			0.06
HF 3150	R.S.F	150			60	85			0.07
HF 5075	R.S.F	75	54.3	33.4	30	54	10	4.5	0.07
HF 5100	R.S.F	100			40	65			0.08
HF 5125	R.S.F	125			50	75			0.09
HF 5150	R.S.F	150			60	85			0.10
HF 7100	R.S.F	100	57.5	34.5	40	70	12	6.0	0.20
HF 7125	R.S.F	125			50	80			0.22
HF 7150	R.S.F	150			60	90			0.25
HF 7200	R.S.F	200			80	120			0.30
HF 10100	R.S.F	100	68.5	46.1	40	70	12	6.3	0.18
HF 10125	R.S.F	125			50	80			0.23
HF 10150	R.S.F	150			60	90			0.28
HF 10200	R.S.F	200			80	120			0.37
HF 12200	R.S.F	200	82.8	55.0	80	120	15	7.9	0.42
HF 12250	R.S.F	250			125	165			0.58
HF 17200	R.S.F	200	99.6	66.2	80	120	15	9.5	0.80
HF 17250	R.S.F	250			125	165			1.11
HF 20200	R.S.F	200	92.6	60.9	80	120	15	9.5	0.70
HF 20250	R.S.F	250			125	165			0.96
HF 26200	R.S.F	200	110.2	79.2	80	120	15	9.5	0.85
HF 26250	R.S.F	250			125	165			1.17
HE 3400	R.S.F	101.6	55.8	37.6	40	70	11	4.8	0.15
HE 5400	R.S.F	101.6	66.7	47.6	40	70	11	6.3	0.20
HE 5261	S	66.27	66.7	41.7	30	60	11	6.3	0.18
HE 5600	R.S.F	152.4	68.5	50.0	60	90	11	6.0	0.25
HE 7400	S	101.6	68.5	48.2	38	68	11	6.3	0.24
HE 9307	S	78.11	81.0	56.4	30	65	12	7.9	0.30
HE 9400	R.S.F	101.6	81.0	50.0	40	80	15	7.9	0.30
HE 12600	R.S.F	152.4	82.8	55.0	60	100	15	7.9	0.40
HE 17600	R.S.F	152.4	99.6	60.0	60	100	15	9.5	0.55

Attachments Dimensions

A-2 · K-2



A-3 · K-3



A-2 · K-2 Attachment (welded type)

dimension : mm

Type	Chain No.	P	A	B	C	L	M	N	T	Angle	Weight per pce. (kg)
H	● HF 17300R. F.S	300	45	75	180	220	110	15	6	L 65×65× 6	1. 35
	HF 20300R. F	300	40	70	180	220	106	15	6	L 65×65× 6	1. 35
F	HF 25300R. F	300	45	75	180	220	118	15	9	L 75×75× 9	2. 20
	HF 26300R. F.S	300	55	80	180	220	123	15	9	L 75×75× 9	2. 20

A-3 · K-3 Attachment (welded type)

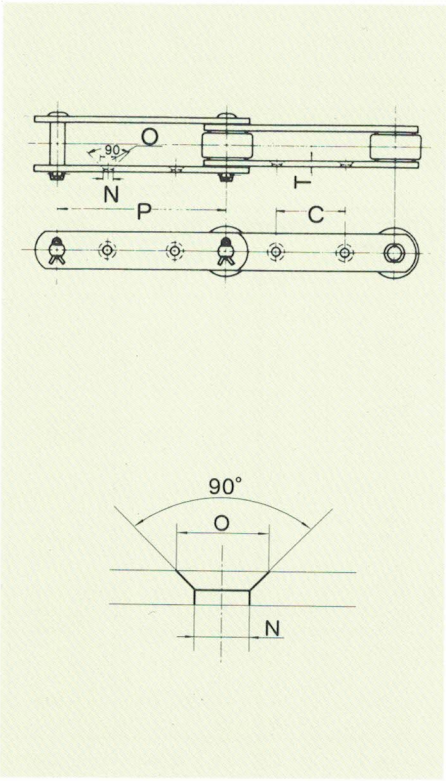
dimension : mm

Type	Chain No.	P	A	B	C	L	M	N	T	Angle	Weight per pce. (kg)
H	● HF 26450R. F. S	450	55	80	140×2	320	123	15	9	L 75× 75× 9	3. 30
	● HF 36450R. F. S	450	70	100	140×2	330	159	19	10	L 100×100×10	4. 95
	● HF 36600R. F. S	600	70	100	180×2	410	159	19	10	L 100×100×10	6. 15
F	● HF 52450R. F. S	450	80	120	140×2	330	171	22	13	L 100×100×13	5. 40
	● HF 52600R. F. S	600	80	120	180×2	410	171	22	13	L 100×100×13	7. 85

Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

G-2 · G-4 Attachments Dimensions

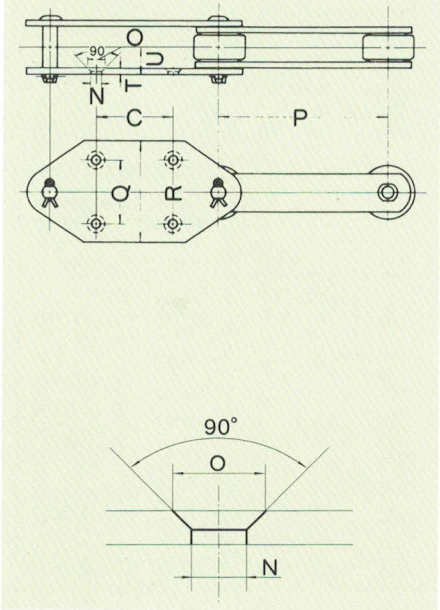
G-2 Attachment



dimension : mm

Chain No.	P	C	N	O	T	Limit length of bolt to set	
						Pin Link	Roller Link
HF 5150R.F.S.B	150	60	10	15	4.5	35	25
HF 10150R.F.S.B	150	60	12	20	6.3	49	35
●HF 12200R.F.S.B	200	80	15	27	7.9	63	45
●HF 12250R.F.S.B	250	125	15	27	7.9	63	45
●HF 17200R.F.S	200	80					
●HF 17250R.F.S	250	110	15	27	9.5	80	60
●HF 17300R.F.S	300	150					
HF 20200R.F B	200	80	15	27	9.5	75	55
HF 20300R.F B	300	150					
HF 25200R.F	200	80	15	27	9	79	59
●HF 26300R.F.S	300	140	15	27	9.5	86	65
●HF 26450R.F.S	450	220					
HF 35300R.F.S	300	140	15	27	9	90	69
●HF 36450R.F.S	450	220	19	32	12.7	87	66
●HF 36600R.F.S	600	300					
●HF 52450R.F.S	450	220	22	38	16	124	89
●HF 52600R.F.S	600	300					
HF 5600R.F.S	152.4	60	11	19.5	6.3	48	34
●HF 12600R.F.S	152.4	60	15	27	7.9	62	44

G-4 Attachment

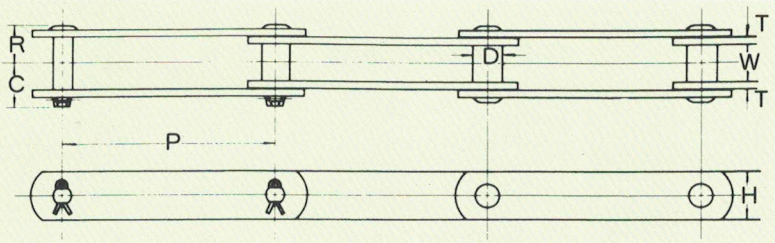


dimension : mm

Chain No.	P	C	N	O	Q	R	T	U	Weight per pce. (kg)
HF 5150R.F.S.B	150	75	10	15	50	80	4.5	20.5	0.31
HF 10150R.F.S.B	150	75	12	20	70	100	6.3	28.1	0.61
HF 12200R.F.S	200	100	15	27	70	110	7.9	34.6	0.76
HF 12250R.F.S	250	140	15	27	70	110	7.9	34.6	1.18
HF 17200R.F.S	200	100	15	27	80	120	9.5	45.2	0.84
HF 17250R.F.S	250	140	15	27	100	150	9.5	45.2	1.19
HF 17300R.F.S	300	180	15	27	120	170	9.5	45.2	1.35
HF 20200R.F.B	200	100	15	27	80	120	9.5	42.2	1.27
HF 20300R.F.B	300	180	15	27	120	170	9.5	42.2	1.35
HF 26200R.F.	200	100	15	27	80	120	9.5	48.1	1.03
HF 26250R.F.S	250	140	15	27	100	150	9.5	48.1	1.43
HF 26300R.F.S	300	180	15	27	100	150	9.5	48.1	1.69
HF 36250R.F.S	250	140	15	27	100	150	12.7	59.2	1.98
HF 36300R.F.S	300	180	15	27	100	150	12.7	59.2	2.38
HE 5600R.F.S	152.4	75	11	19.5	70	110	6.3	28.0	0.50
HE 12600R.F.S	152.4	75	15	27	70	110	7.9	35.5	0.53

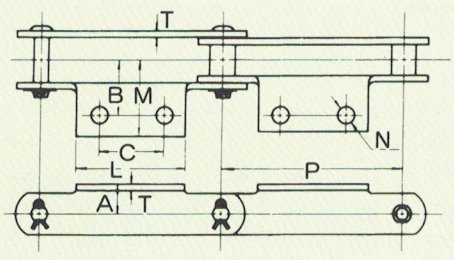
Notes: 1. Chains with mark ● are recommendable.
2. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
3. The chains of 12t type and over are T pin type as standard.
4. Regarding HE series, the chains of 9400 and over are T pin type as standard.

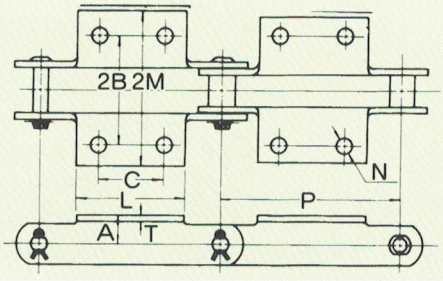
HF · HE Bushed Chain Dimensions



dimension : mm

Type	Chain No.	Pitch	Bush Dia.	Inner width	Pin		Link Plate Width	Link Plate Thickness	Weight	Average Ultimate Strength	Max. allowable Load
		P	D	W	R	C	H	T	kg/m	kg	kg
H	3075-B	75	15	18	18	20	22	3.2	1.7	3,000	450
	3100-B	100							1.5		
	3125-B	125							1.4		
	3150-B	150							1.4		
	5075-B	75	20	22.2	24	27	32	4.5	4.5	7,000	1,000
	5100-B	100							4.0		
	5125-B	125							3.4		
	5150-B	150							3.0		
	5175-B	175							2.8		
F	7100-B	100	22	25	29	32.5	32	6	4.9	8,600	1,250
	7125-B	125							4.5		
	7150-B	150							4.3		
	7175-B	175							4.1		
	7200-B	200							3.7		
	10100-B	100	25	30	32	36	38	6.3	8.3	11,500	1,650
	10125-B	125							7.0		
	10150-B	150							5.7		
	10200-B	200							5.0		
	20200-B	200	40	45	47.5	55.5	50.8	9.5	11.4	25,000	3,500
	20250-B	250							10.6		
	20300-B	300							9.7		
H	5261-B	66.27	22.2	27	30.0	33	28.6	6.3	5.6	8,500	1,200
	7400-B	101.61	25.8	28.6	31.0	35.0	38	6.3	6.5	10,000	1,450
	9307-B	78.11	31.8	36.5	39	42.5	38	7.9	10.5	14,000	2,000
E	9600-B	152.4	31.8	36.5	39	42.5	38	7.9	7.6	14,000	2,000





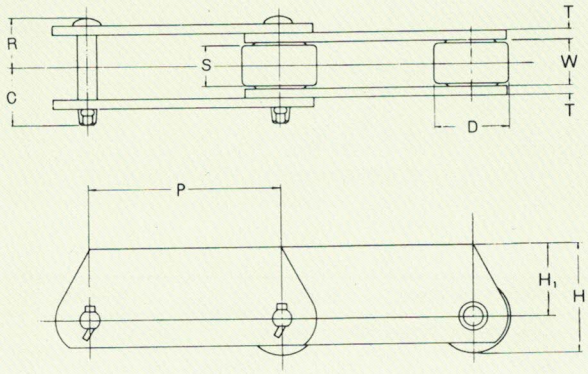
dimension : mm

Type	Chain No.	Pitch	A-2 · K-2 attachment							Add weight per pce.	Average Ultimate Strength
		P	A	B	C	L	M	N	T	kg	kg
H	3075-B	75	15 (20)	30	35 (30)	60 (55)	46	10	3.2	0.04	3,000
	3100-B	100			40	65				0.05	
	3125-B	125			50	75				0.05	
	5075-B	75	22	35	30 (35)	54 (60)	56.5	10	4.5	0.08	7,000
	5100-B	100			40	65				0.09	
	5125-B	125			50	75				0.10	
F	7100-B	100	25	40	40	70	63	12	6	0.19	8,600
	7125-B	125			50	80				0.21	
	7150-B	150			60	90				0.24	
	10100-B	100	28	50	40	70	74	12	6.3	0.18	11,500
	10125-B	125			50	80				0.23	
	10150-B	150			60	90				0.26	
	10200-B	200			80	120				0.31	
	20200-B	200	40	70	80	120	103	15	9.5	0.71	25,000
H	7400-B	101.6	30	51	38	68	71.5	11	6.3	0.24	10,000
	9307-B	78.11	35	60	30	65	86.5	12	7.9	0.31	14,000
E	9600-B	152.4	30	55	40	80	86.5	15	7.9	0.34	14,000

Notes: 1. The chains of 10t type and over are rivet type as standard, but we can also produce T pin type.
2. The chains of 12t type and over are T pin type as standard.
3. Regarding HE series, the chains of 9400 and over are T pin type as standard.

HFH High Link Chain

Based on the standard HF conveyor chain, this chain comes with high link plates and low friction rollers. Being suitable for conveying heavy load, it is mainly used in steel plant, car-assembly plant, container-assembly plant, etc.

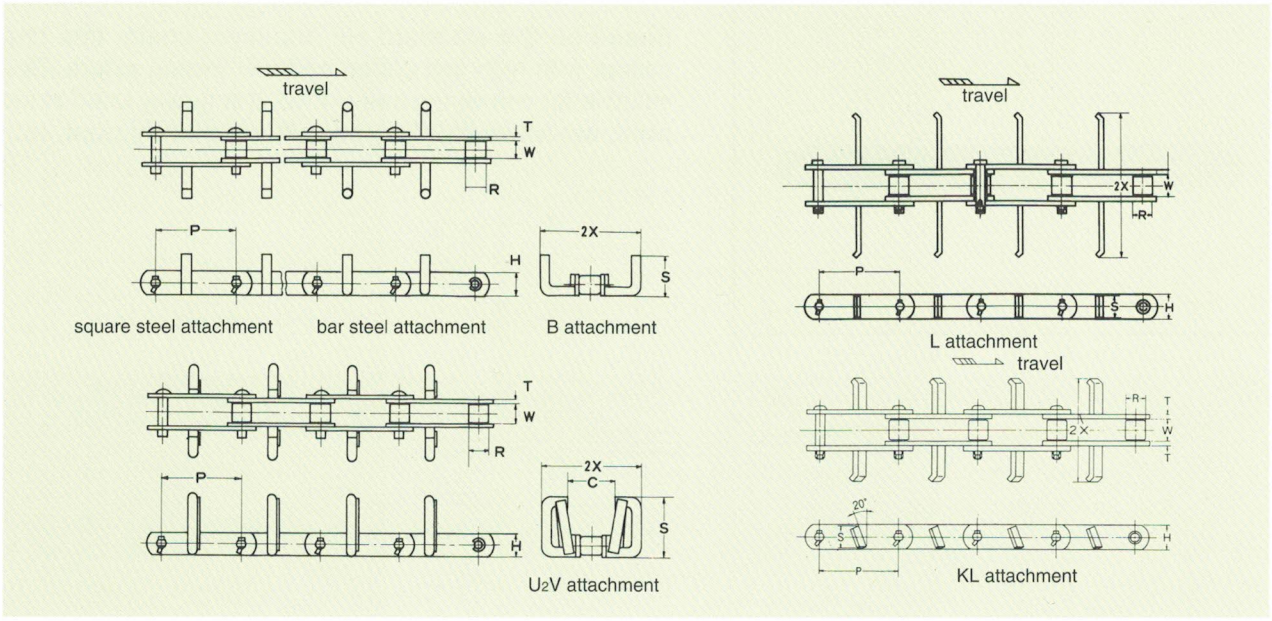


dimension : mm

Chain No.	Pitch P	Roller		Bush link width W	Chain height H	Link Plate		Pin		weight kg/m	Average ultimate strength kg
		Diameter D	Width between inner plates S			Height H1	Thick-ness T	R	C		
HFH 03100-R	100	30.0	15.5	18.0	36	21	3.2	18	20	2.8	3,000
HFH 05100-R	100	40	19	22.2	44	24	4.5	24	27	5.9	7,000
HFH 05150-R	150									4.9	
HFH 08100-R	100	44.5	23	27	50.3	28	6.3	30	33	9.6	8,000
HFH 08150-R	150									7.9	
HFH 10150-R	150	50.0	26.5	30	57	32	6.3	32	36	9.7	11,500
HFH 10200-R	200									8.5	
HEH 12600-R	152.4	57.2	32	37.1	63.6	35	7.9	40	46	14.0	19,000
HFH 12200-R	200	65	32	37.1	73.5	41	7.9	40	46	14.9	19,000
HFH 12250-R	250									13.5	
HFH 17250-R	250	80	44	51.4	90	50	9.5	51	59.5	22.5	25,000
HFH 17300-R	300									21.5	
HFH 26300-R	300	85	50	57.2	95.5	53	9.5	54	62	24.3	31,500
HFH 36300-R	300	100	56	66.7	112	62	12.7	65.5	75.5	39.0	48,500
HFH 36400-R	400									34.2	
HFH 52450-R	450	110	65	77	125	70	16	79	90	46.0	56,000

Notes: Regarding the chain of more than HFH10000, we can produce it with special bearings inserted to the rollers for conveying heavy load.

Flow Conveyor Chain Dimensions



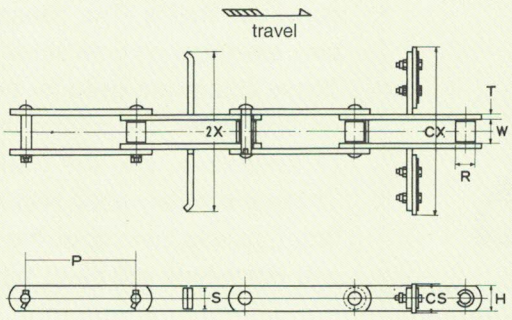
FC type

Chain No.	Flow No.	Pitch	Roller Dia.	Roller link width	Link Plate		B att.		Weight	U2V att.			Weight	L att.		Weight	Average ultimate strength
					Width	Thick-ness	Width	Height		Width	Height			Width	Height		
		P	R	W	H	T	2X	S	(kg/m)	2X	S	C	(kg/m)	2X	S	(kg/m)	(kg)
HF 8400-M	F C 150	101.6	25.4	27	31.8	6.3	135	55	7.4	135	80	60	9.1	135	28	6.5	8,500 (12,000)
HF 08125-M	F C 200	125	25.4	27	31.8	6.3	185	80	8.2	185	115	85	10.1	185	28	6.5	8,500 (12,000)
HF 10125-M	F C 200	125	31.8	30	38.1	6.3	185	80	8.9	185	115	85	10.9	185	34	8.1	11,500 (19,500)
HF 10150-M	F C 270	150	31.8	30	38.1	6.3	250	100	9.8	250	140	105	12	250	34	8.1	11,500 (19,500)
HE 12600-M	F C 270	152.4	38.1	37.1	44.5	7.9	250	100	14.4	250	148	90	18.5	250	40	12	19,000 (24,000)
HF 12200-M	F C 350	200	38.1	37.1	44.5	7.9	330	125	16.3	330	185	130	20	330	40	12	19,000 (24,000)
HF 17200-M	F C 350	200	44.5	51.4	50.8	9.5	330	125	18.7	330	185	130	23	330	44	17	25,000 (27,500)
HF 17250-M	F C 450	250	44.5	51.4	50.8	9.5	430	160	19.3	430	230	135	23.7	430	44	17	25,000 (27,500)
HF 26200-M	F C 410	200	50.8	57.2	63.5	9.5	390	150	25	390	230	100	33.4	390	60	28	29,000 (46,500)
HF 26250-N	F C 450	250	50.8	57.2	63.5	9.5	430	160	25	430	230	135	29	430	58	23	30,500 (45,000)
HF 26300-N	F C 580	300	50.8	57.2	63.5	9.5	560	200	27	560	290	160	30.6	560	58	23	30,500 (45,000)
HF 36300-M HF 36300-N	F C 580	300	57.2	66.7	76.2	12.7	580	215	27	560	330	120	40	580	72	24	48,500 (75,000)

Notes: In ( ) of average ultimate strength, we show the weight of AT specifications.

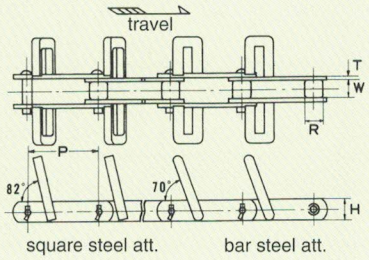
This is the chain with special shaped attachment for flow conveyor. According to your use, we can produce it by general specification, heavy specification, or wear resistance specification, and you can choose the attachment shape (B, U2V, L, U, O)

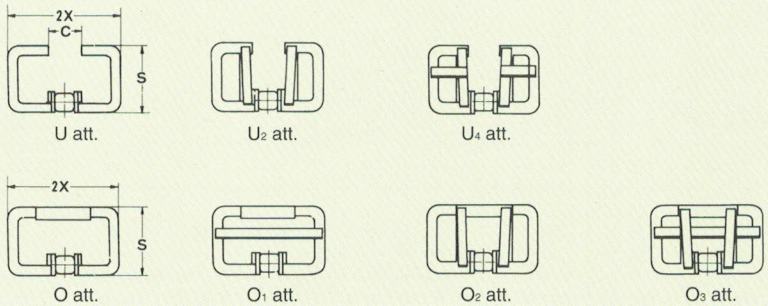
Flow Conveyor Chain Dimensions



FK type (for grain conveyor)

Chain No.	Flow No.	Pitch	Roller Dia.	Roller link width	Link Plate		Attachment		Cleaner		Weight	Average ultimate strength
					Width	Thinkness	Width	Height	Width	Height		
		P	R	W	H	T	2X	S	CX	CS	(kg/m)	(kg)
HF 3075-S	F K110	75	16	18	22	3.2	95	20	105	28	2.1	3,000
HE 3300-S	F K110	76.2	20.1	22.2	25.4	4.8	95	22	105	32	3.9	5,500
HE 3400-S	F K150	101.6	20.1	22.2	25.4	4.8	135	22	145	32	3.4	5,500
HE 5400-S	F K150	101.6	22.2	27	28.6	6.3	135	25	145	34	5.0	8,000
HF 08125-S	F K200	125	22.2	27	28.6	6.3	185	25	195	34	5.0	8,000
HF 10125-S	F K200 F K240	125	30	30	38.1	6.3	185 225	34	195 235	47	6.8 7.3	11,500
HF 10150-S	F K270 F K320	150	30	30	38.1	6.3	250 300	34	265 315	47	6.9 7.2	11,500
HE 12600-S	F K270	152.4	34.9	37.1	44.5	7.9	250	40	265	53	10.5	19,000
HF 12200-S	F K350	200	34.9	37.1	44.5	7.9	330	40	345	53	10.3	19,000
HF 17200-S	F K350 F K450	200	40.1	51.4	50.8	9.5	330 430	46	345 445	58	14.0 16.0	25,000
HF 26200-S	F K450	200	44.5	57.2	63.5	9.5	430	58	445	74	21.0	28,500

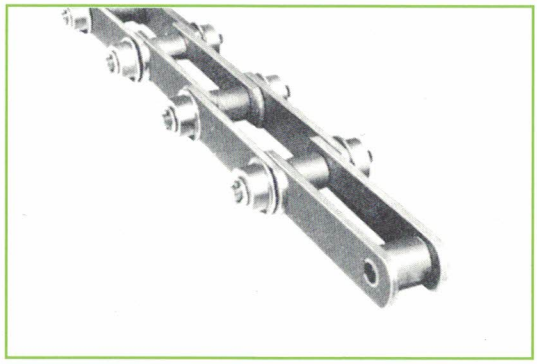




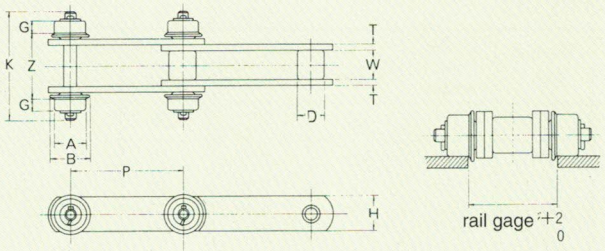
LC · LS type

Chain No.	Flow No.	Pitch	Roller Dia.	Roller link width	Link Plate		Attachment			Weight (kg/m)							att. type	Average ultimate strength
					Width	Thickness	Width	Height										
		P	R	W	H	T	2X	S	C	U	U_2	U_4	O	O_1	O_2	O_3		(kg)
HE 8400-M	LC LS 160	101.6	25.4	27	31.8	6.3	145	110	50	10.1	10.9		10.8				$U \cdot U_2 \cdot O$	8,500 (12,000)
HF 10125-M	LC LS 240	125	31.8	30	38.1	6.3	225	140	65	14.3	15.7						$U \cdot U_2$	11,500 (19,500)
HE 12600-M	LC LS 320	152.4	38.1	37.1	44.5	7.9	300	175	80	20.1	21.7				22.5		$U \cdot U_2 \cdot O_2$	19,000 (24,000)
HF 17200-M	LC LS 410	200	44.5	51.4	50.8	9.5	390	220	100	27.9	30.3						$U \cdot U_2$	25,000 (27,500)
HF 26200-M	LC LS 410	200	50.8	57.2	63.5	9.5	390	220	100	30.9		34.9				36.6	$U \cdot U_4 \cdot O_3$	29,000 (46,500)
HF 26200-N	LC LS 410	200	50.8	57.2	63.5	9.5	390	220	100	30.9	33.3						$U \cdot U_2$	30,500 (45,000)
HF 36300-M	LC LS 500	300	57.2	66.7	76.2	12.7	480	260	120	42.5							U	48,500
	LC LS 600						580	305	140	47							U	
HF 36300-N	LC LS 500	300	57.2	66.7	76.2	12.7	480	260	120	42.5							U	(75,000)
	LC LS 600						580	305	140	47							U	

HF Side Roller Chain



HF side roller chains are based on S roller type of HF standard conveyor chains. The flange rollers are mounted on with the pins extended on both sides so that they can support the load. These chains are used for the chains with special attachments on link plate, the chains that cannot support the load with center rollers, and the chains that cannot work as a guide. These are widely used with a variety of attachment. When you order, please instruct us the distance between each side roller and which type you need, type Ⅰ or type Ⅱ



type Ⅰ

dimension : mm

Chain No.	Pitch P	Roller Dia. D	link width W	Link Plate Width H	Link Plate Thickness T	Side roller A	Side roller B	Side roller C	K	Z	Rail Gage	Add weight per pce (kg)	Allowable Load of Side roller per pce
HF03075-S HF03100-S	75 100	16.0	18.0	22	3.2	30.0	38	12	78	40	41	0.3	70
HE 3400-S	101.6	20.1	22.2	25.4	4.8	38.1	50	15	103	56	57	0.5	100
HF05075-S HF05100-S HF05125-S HF05150-S	75 100 125 150	22.2	22.2	32	4.5	40	50	14	102	55	56	0.5	120
HE 5400-S	101.6	22.2	27	28.6	6.3	44.5	55	20	130	70.5	71	0.7	170
HF 5600-S	152.4	25.8	30	38.1	6.3	50.8	65	20	134	73.5	74	1.0	170
HF10100-S HF10125-S HF10150-S	100 125 150	30	30	38 1	6.3	50.0	65	20	136	73	74	1.0	200
HE12600-S	152.4	34.9	37.1	44.5	7.9	57.2	70	25	164	90.5	91	1.3	280
HF12200-S HF12250-S	200 250	34.9	37.1	44.5	7.9	65	80	24	164	92.5	93	1.8	320
HF17200-S HF17250-S HF17300-S	200 250 300	40.1	51.4	50.8	9.5	65	80	24	192	112.5	113	3.8	320
HF26200-S HF26250-S HF26300-S	200 250 300	44.5	57.2	63.5	9.5	80	100	34	229	124.5	125	6.9	500
HF36250-S HF36300-S HF36450-S	250 300 450	50.8	66.7	76.2	12.7	100	125	38	268	151	252	11.7	670

type Ⅱ

Notes: we can set side roller with the distance as instructed

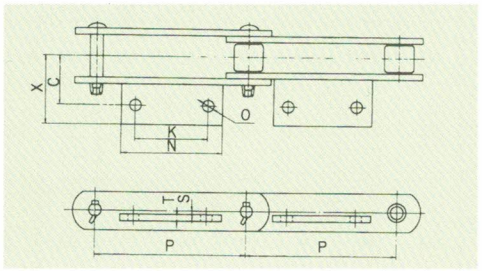
Chain No.	Pitch P	Roller Dia. D	link width W	Link Plate Width H	Link Plate Thickness T	Side roller A	Side roller B	Side roller C	K	Z	Rail Gage	Add weight per pce (kg)	Allowable Load of Side roller per pce
HE 3400-S	101.6	20.1	22.2	25.4	4.8	44.5	60	20	119	60	61	0.7	130
HE 5400-S	101.6	22.2	27	28.6	6.3	40	50	20	127	70.5	71	0.6	100
HE12600-S(1) HE12600-S(2)	152.4	34.9	37.1	44.5	7.9	40	50	16.2 22.2	137 149	82.5	83	0.5 0.6	160 200

Notes: we can set side roller with the distance as instructed

with CA attachment

Attachment for placing endless belt on the chains firmly. It is possible to change the dimension of S or placing it inclined.

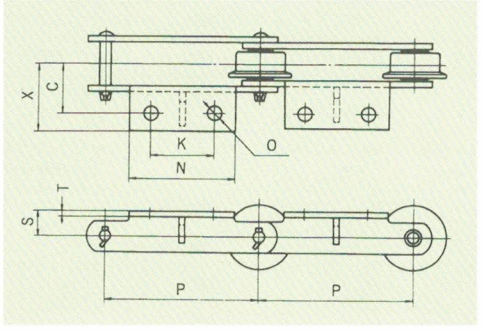
Applicable Roller type : R・F・S
Example of indication of chain :
HF3075S-2LCA2-DT



Chain No.	Pitch P	C	X	N	K	T	O	S
HF 03075	75	35	46	55	30	3.2	10	0
HF 03100	100			65	40			
HF 05100	100	40	52	65	40	4.5	10	3
HF 05150	150			85	60			
HE 05400	101.6	50	64	70	40	6.3	12	4
HF 10100	100	50	65	70	40	6.3	12	4
HF 10150	150			90	60			
HE 12600	152.4	60	79	100	60	7.9	15	5
HF 12200	200	60	79	120	80	7.9	15	5
HF 12250	250			165	125			
HF 17200	200	75	98	120	80	9.5	15	6
HF 17250	250			165	125			
HF 26200	200	80	105	120	80	9.5	15	6
HF 26250	250			165	125			
HF 36300	300	100	125	180	120	12	19	8

with A2R attachment

Putting rib on A2 attachment improves bending strength 2 or 3 times stronger.



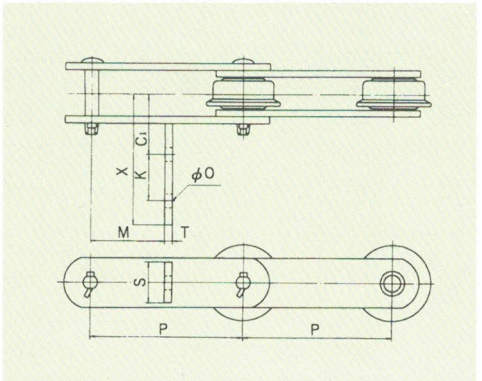
Chain No.	Pitch P	S	C	X	N	K	T	O	BOLT
HF 05100	100	22	35	47	65	40	4.5	10	M8
HF 05150	150				85	60			
HF 10100	100	28	50	67	70	40	6.3	12	M10
HF 10150	150				90	60			
HE 12600	152.4	38	60	79	100	60	7.9	15	M12
HF 12200	200	38	60	79	120	80	7.9	15	M12
HF 12250	250				170	125			
HF 17200	200	45	75	100	120	80	9.5	15	M12
HF 17250	250				170	125			

Applicable Roller type : R・F・S
Example of indication of chain :
HF5100F-2LA2R-DT

with L2 attachment

It is suitable for putting scraper. We can put it on both sides of chain.

Applicable Roller type : R・F・S

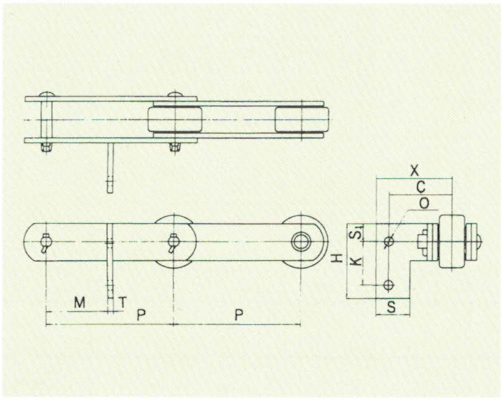


Chain No.	Pitch P	C1	K	X	O	S	M	T
HF 03075	75	28.3	20	61	9	20	36	3.2
HF 03100	100							
HF 05100	100	38.8	20	72	9	28	37	4.5
HF 05150	150							
HE 05400	101.6	46.6	25	85	11	25	37	6
HF 10100	100	54.6	30	100	11	34	47	6
HF 10150	150							
HE 12600	152.4	63.9	50	132	14	40	57	6
HF 12200	200	63.9	50	132	14	40	57	6
HF 12250	250							
HF 17200	200	80.8	70	175	14	46	70	9
HF 17250	250							
HF 17300	300							
HF 26200	200	91.7	100	215	14	58	80	9
HF 26250	250							
HF 26300	300							
HF 26450	450							
HF 36300	300	110	120	260	18	70	90	12
HF 36450	450							

with F2 attachment

It is most suitable for putting scraper, especially, deep scraper.

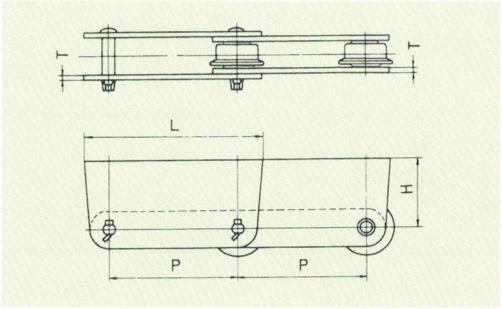
Applicable Roller type : R・F・S



Chain No.	Pitch P	C	X	K	S1	H	S	O	M	T
HF 03075	75	31.3	48	20	10	40	32	9	36	3.2
HF 03100	100									
HF 05100	100	36.9	53	25	14	53	32	9	37	4.5
HF 05150	150									
HE 05400	101.6	46.1	65	25	12.5	50	38	11	37	6
HF 10100	100	47.6	67	30	17	64	38	11	47	6
HF 10150	150									
HE 12600	152.4	57.4	80	50	20	90	44	14	57	6
HF 12200	200	57.4	80	50	20	90	44	14	57	6
HF 12250	250									
HF 17200	200	70.8	96	70	23	116	50	14	70	9
HF 17250	250									
HF 17300	300									
HF 26200	200	73.7	99	100	29	158	80	14	80	9
HF 26250	250									
HF 26300	300									
HF 26450	450									
HF 36300	300	92.4	125	120	35	190	65	18	90	12
HF 36450	450									

with FS attachment

Making plate on one side higher prevents the load from dropping.
It is normally used with CA attachment.



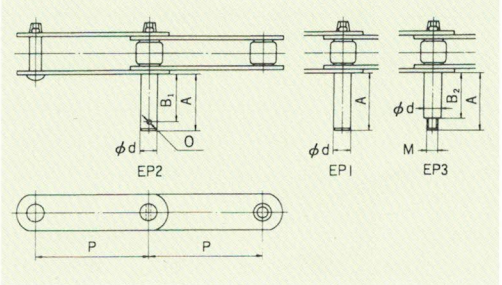
Chain No.	Pitch P	H	L	T
HF 03100	100	60	160	3.2
HF 05100	100	70	170	4.5
HF 10100	100	80	180	6.3
HF 10150	150		230	
HE 12600	152.4	100	250	7.9
HF 12200	200	100	300	7.9
HF 12250	250		350	
HF 17200	200	120	320	9.5
HF 17250	250		370	

Applicable Roller type : R・F・S

with extended pin

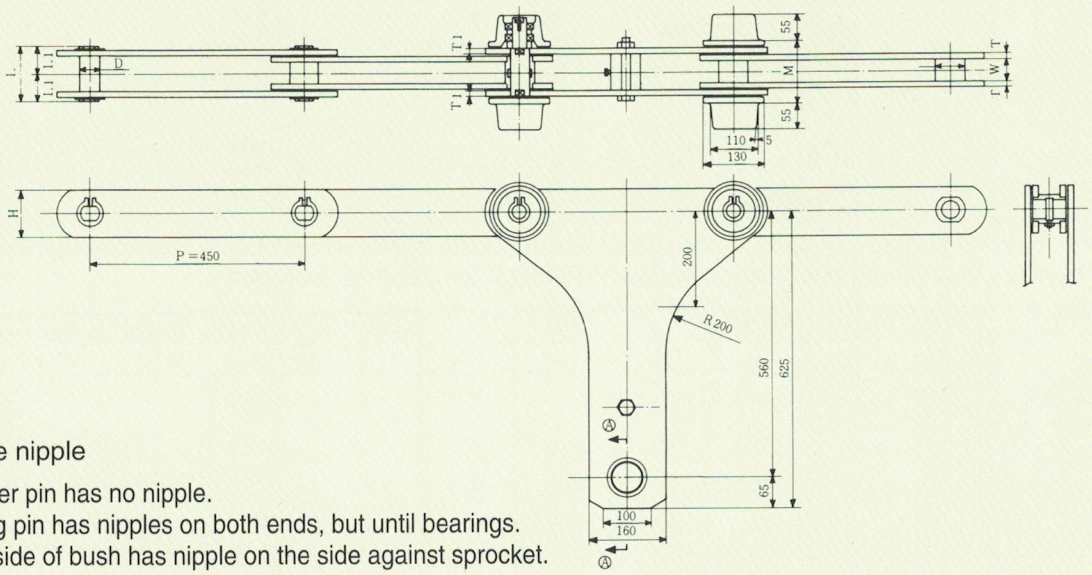
One side of the pin is extended.
According to the shape, there are 3 types.

Applicable Roller type : R・F・S



Chain No.	Pitch P	φd	A	B1	B2	O	M
HF 03100	100	11	40	34	27	4	M10
HF 05100	100	15	50	42	34	5	M12
HF 05150	150						
HE 05400	101.6	15	50	42	34	5	M12
HF 10100	100	18	60	51	40	6	M16
HF 10150	150						
HE 12600	152.4	20	70	61	50	6	M16
HF 12200	200	20	70	61	50	6	M16
HF 12250	250						
HF 17200	200	22	80	71	56	6	M20
HF 17250	250						
HF 17300	300						
HF 26250	250	28	90	78	61	8	M24
HF 26300	300						
HF 26450	450						
HF 36300	300	30	100	85	71	10	M24
HF 36450	450						

HF Parking Chain Dimensions

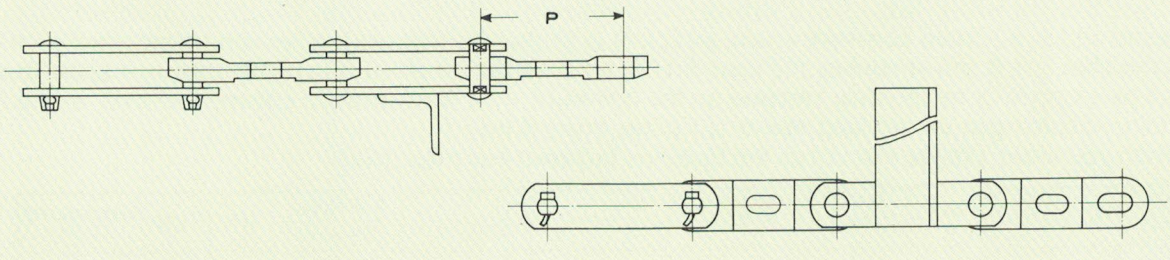


grease nipple

1. Cotter pin has no nipple.
2. Long pin has nipples on both ends, but until bearings.
3. Outside of bush has nipple on the side against sprocket.

Classification	number	H	T	T_1	L	L_1	D	B	M	W	A	weight kg/ℓ	Minimum Ultimate Strenght t	Side width of chain	Gap
A	~14	100	12	12	110	55	41	62	126	45	96	82	60	132	3 ×2
B	15 ~ 24	140	12	12	115	57.5	47	70	131	50	101	110	100	138	3.5 ×2
C	25 ~ 34	160	16	14	137	68.5	55	83	153	60	123	146	150	160	3.5 ×2
D	35 ~ 42	175	19	16	167	83.5	60	90	183	80	153	185	200	190	4 ×2

Burn Cleaner Chain Dimensions



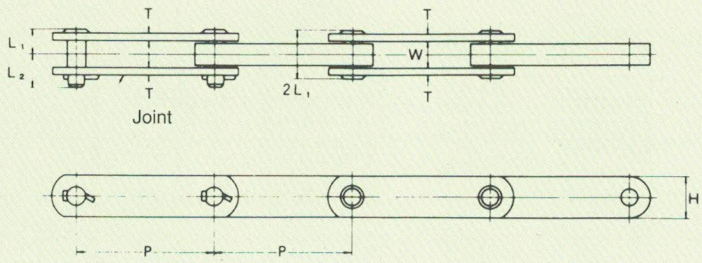
Burn cleaner

dimension : mm

Code No.	Chain Pitch	Pin Dia.	Roller link width	Outer Link Plate		Inber Link Plate		Attachment Angle	Average ultimate strength	Weight
				Width	Thickness	Width	Thickness			
	P	D	W	H	T	H	T	6X50X50	(kg)	(kg/m)
BCH 114	114	16.0	25	38	9.0	38	20	370	15.500	6.6
BCH 120	120	16.0	25	38	9.0	38	20	370	15.500	6.5

◆This chain is designed especially for the use in the atmosphere where the chain material can be worn more, so the special alloy steel which resists abrasion and corrosion is used

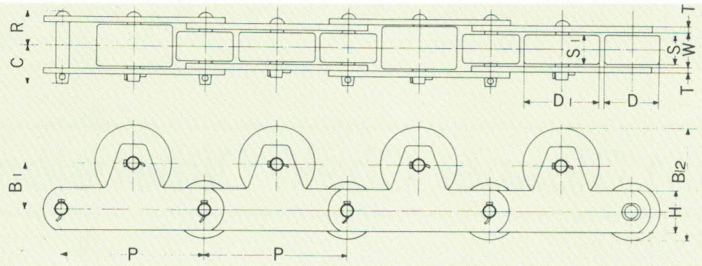
HBF Block Chain



Each material is made of special alloy steel which resists abrasion and heat. This chain is very suitable for traction, high speed operation, conveyance of high temperature load,etc.

Chain No.	Pitch	Width of ring	Pin			Outer Link Plate Thickness	Outer Link Width	Weight	Average ultimate strength
	P	H	L_1	L_2	$2L_1$	T	W	kg/m	kg
HBF 30150	150	38.1	23.5	32	47	7.9	23.3	7.0	31,500
HBF 30200	200							6.6	
HBF 40150	150	44.5	25	35	50	7.9	26.5	9.0	40,500
HBF 40200	200							8.5	
HBF 56200	200	54	28.5	39.5	57	9.5	29.5	12.3	56,500
HBF 56250	250							12.0	
HBF 63200	200	57	29.5	41.5	59	9.5	31.5	13.7	63,000
HBF 63250	250							13.0	
HBF 70200	200	63.5	30.5	42.5	61	9.5	33.5	16.2	73,500
HBF 70250	250							15.5	
HBF 90200	200	72	34	46	68	10.5	38	21.0	92,500
HBF 90250	250							20.0	
HBF 115250	250	76.2	38	51	76	12.7	40	25.0	114,000
HBF 115300	300							24.0	
HBF 140250	250	85	42	55	84	14	47.5	32.0	144,000
HBF 140300	300							31.0	
HBF 180300	300	95	47	59	94	16	52.5	39.0	177,500
HBF 180350	350							37.8	
HBF 210300	300	110	50.5	62.5	101	16	59	50.0	219,500
HBF 210350	350							48.3	
HBF 250300	300	112	57	70	114	19	66	58.8	248,500
HBF 250350	350							56.7	
HBF 280300	300	122	57.5	70.5	115	19	67	66.0	277,500
HBF 280350	350							62.3	

HF Roller Top Conveyor Chain

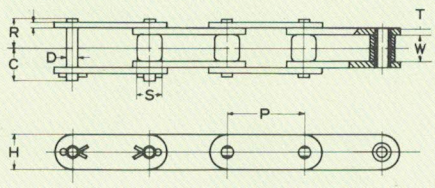


Based on HK standard conveyor chain, link plate is worked so that extra roller can be mounted on the top of the chain pitch line to convey the load directly on it. While the chain is in continuous operation, the load can be stopped or temporarily stopped on the conveyor, so it is possible to convey and stop on the same chain. According to the working way of link plate, there is type Ⅰ.
When you order, please instruct us the distance between each top roller

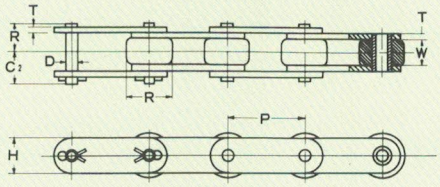
Chain No.	Pitch	Roller		Width between inner plates	Link Plate		Pin		B_1	Top Roller		B_2	Type	Average ultimate strength
	P	D	S	W	H	T	R	C		D_1	S_1			(kg)
HF 03075-R	75	30	16	18	22	3.2	18	20	24	40	15.5	59	I	3,000
HF 03100-R	100	30	16	18	22	3.2	18	20	24	40	15.5	59	I	3,000
HF 05100-R	100	40	19	22	32	4.5	24	27	30	40	19	70	I	7,000
HF 05150-R	150	40	19	22	32	4.5	24	27	30	40	19	70	I	7,000
HF 10150-R	150	50	27	30	38	6.3	32	36	30	50	27	80	I	11,500
HF 12200-R	200	65	32	37.1	44.5	7.9	40	46	45	65	32	110	I	19,000
HF 17200-R	200	80	46	51.4	50.8	9.5	51	59.5	65	80	44	145	I	25,000
HE 5400-R	101.6	44.5	23	27	28.6	6.3	30	33	30	40	23	72.2	I	8,500
HE 5600-R	152.4	50.8	27	30	38.1	6.3	31.5	34.5	30	50	27	80.4	I	8,500
HE 12600-R	152.4	57.2	32	37.1	44.5	7.9	40	46	37.8	57.2	32	95	I	19,000

Double Pitch Roller Chain

■ RF bi-pitch chain dimension



S roller type



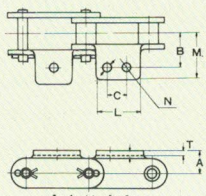
R roller type

For the small and light conveyor, this chain pitch is twice as much as JIS standard roller chain pitch. So, this chain is guaranteed as much strength, precision and service life as standard roller chain. There are twe types of double pitch roller chain, S-roller and R-roller. Considering your use, you can select the suitable type.

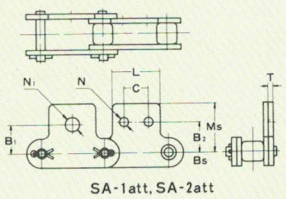
Chain No.	Pitch P	Width between inner plates W	Roller Dia. S Roller S_1	Roller Dia. R Roller R_2	Pin Total length L_1+L_2	Pin L_1	Pin L_2	Pin Dia. D	Link Plate Width H	Link Plate Thickness T	Pin type	Average ultimate strength (kg)	Max. Allowable Load (kg)	Chain weight(kg/m) S roller	Chain weight(kg/m) R roller	No. of link per unit
HF 2040	25.40	7.95	7.94	15.88	17.9	8.25	9.65	3.97	12.0	1.5	rivet type	1,700	240	0.51	0.87	120
HF 2050	31.75	9.53	10.16	19.06	22.2	10.3	11.9	5.09	15.0	2.0	rivet type	2,800	400	0.84	1.30	96
HF 2060	38.10	12.70	11.91	22.23	31.55	14.55	17.0	5.96	17.2	3.2	rivet type	3,900	560	1.51	2.19	80
HF 2080	50.80	15.88	15.88	28.58	38.85	17.925	20.925	7.94	23.0	4.0	rivet type	6,500	930	2.66	3.68	60
HF 2100	63.50	19.05	19.05	39.69	47.0	21.8	25.2	9.54	29	4.8	rivet type	11,000	1,570	3.99	6.30	48
HF 2120	76.20	25.40	22.23	44.45	57.5	27.0	30.5	11.11	34.0	5.6	rivet type	15,400	2,200	5.60	9.40	40
HF 2160	101.60	31.75	28.58	57.15	73.1	34.2	38.9	14.29	47.0	7.2	rivet type	26,300	3,760	9.50	14.50	30

Notes: 1. Total length of pin shows joint pin(L1) and cotter pin(L2) In case of rivet type, total length is 2L1.
2. We can produce plated specification or stainless specification.

■ Attachment dimension



A-1att, A-2att



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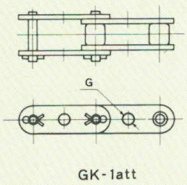
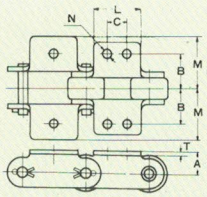


GK-1att



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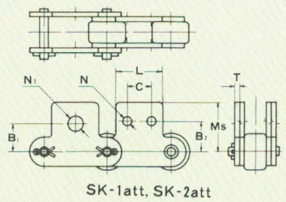

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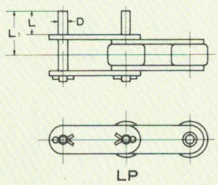


LP

Chain No.	Pitch	B	B_1	B_2	C	L	N	N_1	A	T	M	MS	D	L	L_1	G	Add weight per pce(kg) A・SA Att	Add weight per pce(kg) K・SK Att	Add weight per pce(kg) EP
HF 2040	25.40	12.7	11.1	13.5	9.5	19.1	3.6	5.2	9.1	1.5	19.1	19.8	3.97	9.5	16.85	4.1	0.003	0.006	0.001
HF 2050	31.75	15.9	14.3	15.9	11.9	23.8	5.2	6.8	11.1	2.0	23.9	24.1	5.09	11.9	21.15	5.1	0.006	0.012	0.002
HF 2060	38.10	21.4	17.5	19.1	14.3	28.6	5.2	8.7	14.7	3.2	31.9	30.8	5.96	14.3	27.5	6.1	0.017	0.034	0.003
HF 2080	50.80	27.8	22.2	25.4	19.1	38.1	6.8	10.3	19.1	4.0	40.5	39.9	7.94	19.1	35.575	8.1	0.034	0.068	0.007
HF 2100	63.50	33.3	28.6	31.8	23.8	47.6	8.8	14.3	23.4	4.8	53.7	53.5	9.54	23.8	43.575	10.1	0.07	0.140	0.012
HF 2120	76.20	39.7	33.3	37.3	28.6	57.2	14	16	27.8	5.6	64.4	63	—	—	—	—	0.115	0.23	—
HF 2160	101.60	52.4	44.5	50.8	38.1	76.2	18	22	36.5	7.2	76.9	76.5	—	—	—	—	0.227	0.454	—

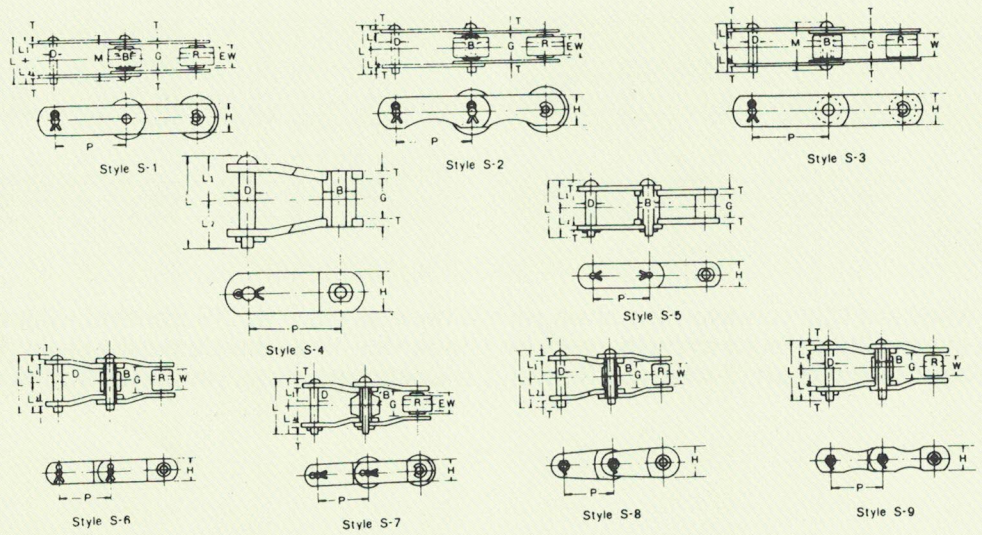
Notes: 1. Only S-roller type is available for the chain with GK-1 att.
2. When you order, please instruct us the distance between each attachment link.
3. As far as you don't indicate, pin link plate is available for the attachment link plate.
4. We can produce plated specification or stainless specification.

Steel Chains for Sugar Mill

RF TYPE

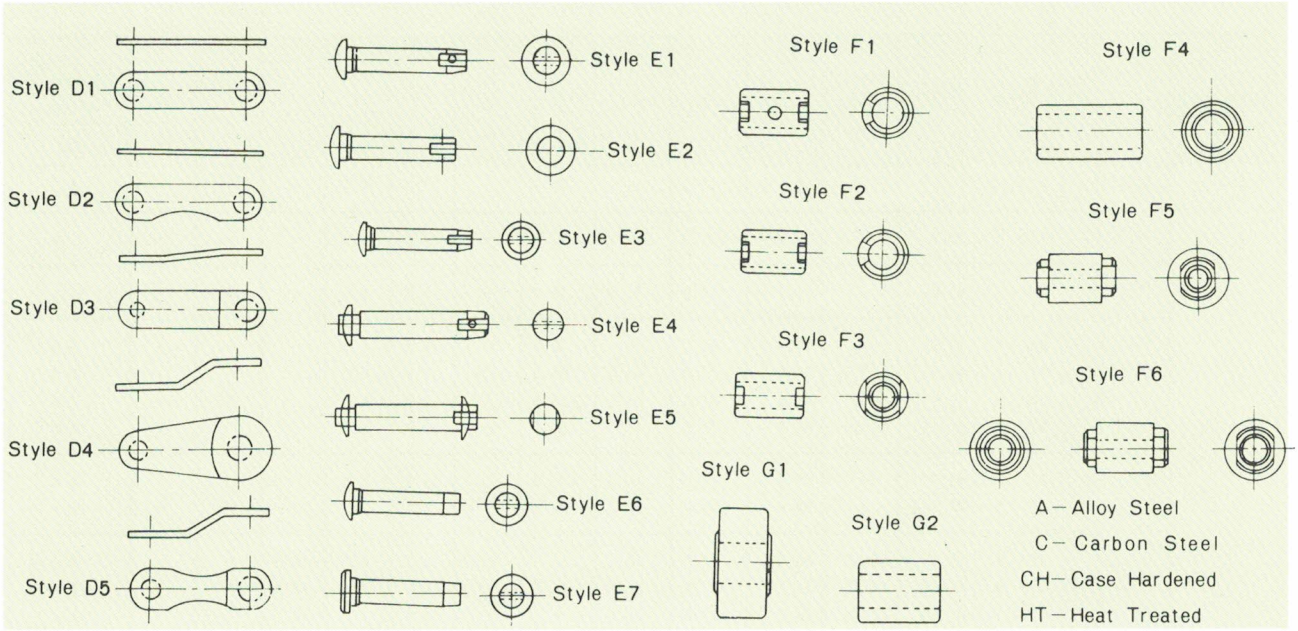
SR TYPE

RO TYPE



Chain No.	style	Ave. pitch	Side Bar				Pin					
			Thickness	Height	Material	stylesy	Dia.	Material	Style	Overall Riveted	Pin Head to C.L.	Pin End to C.L.
		P	T	H			D			M	L_1	L_2
RF 204	S－3	66.27	6.3	28.6	C.	D 1	11.3	C. CH.	E4 . E5	60	30.	36.5
RF 205	S－3	78.11	7.9	38.1	C.	D 1	15.88	C. HT.	E1 . E2	82	41.5	47.5
RF 206	S－1	78.11	7.9	38.1	C.	D 1	15.88	C. CH.	E1 . E2	82	41.5	47.5
RF 212	S－1	152.4	9.5	50.8	C.	D 1	19.05	C. HT.	E1 . E2	90	45	52.5
RF1113	S－1	102.6	7.9	38.1	C.	D 1	15.88	C. CH.	E 1	—	38	45
RF2124	S－2	152.4	9.5	50.8	C.	D 2	19.05	A. CH.	E 1	—	46	53.6
RF2126	S－2	152.4	7.9	47.6	C.	D 2	15.88	C. CH.	E 3	—	43	46.1
RF2129	S－1	228. 6	9.5	57.2	C.	D 1	19.05	A. HT.	E 1	—	46	53.6
RF2184PLUS	S－1	152.4	9.5	50.8	C.	D 1	22.2	A. CH.	E 1	—	50.5	58
RF2188	S－1	101.6	7.9	41.3	C.	D 1	15.88	C. CH.	E 3	—	39.9	46.1
RF2315	S－1	228.6	9.5	63.5	C.	D 1	22	A. HT.	E 1	—	50.5	58
RO 261	S－6	78.10	8.	38.	C.	D 3	15.88	C. CH.	E 5	—	43.4	46.6
RO 266	S－9	103.2	12.7	54.	C.	D 5	22.23	C. CH.	E 5	—	59.8	67.2
RO 588	S－6	66.27	6.4	28.6	A. HT.	D 3	11.11	A. HT.	E 6	—	31.95	36.05
RO1112	S－7	93.7	6.4	38.1	C.	D 3	15.88	C. HT.	E 3	—	33	40
RO1113	S－7	102.6	6.4	38.1	C.	D 3	17.5	C. CH.	E 3	—	38	45
RO1124	S－7	101.6	7.9	38.1	C.	D 3	12.7	C. CH.	E 3	—	37.7	42.8
RO1124B	S－7	101.6	6.4	31.8	C.	D 3	12.7	C. CH.	E 3	—	33.2	39.6
RO1125	S－7	101.6	7.9	44.5	C.	D 3	17.5	C. CH.	E 3	—	39.	45
RO1130	S－7	152.4	6.4	50.8	C.	D 3	19.05	C. CH.	E 3	—	38.6	45.6
RO3120	S－8	38.1	4.8	34.4	A. HT.	D 4	11.1	A. HT.	E 6	—	27	30.5
RO3160	S－8	50.8	6.4	48.2	A. HT.	D 4	14.29	A. HT.	E 7	—	33.5	38
SR 234	S－5	66.27	6.4	28.6	C.	D 1	11.32	C. CH.	E 1	—	30.	36.5
SR 235	S－5	78.11	7.9	38.1	C.	D 1	14.52	C. CH.	E 1	—	39.	46.5
SR 488	S－4	66.27	6.4	28.6	C.	D 3	11.1	C. CH.	E 1	—	33.5	37.5
SR 488-F	S－5	66.27	6.4	28.6	C.	D 1	11.1	C. CH.	E 1	—	33.5	37.5
SR4130	S－4	78.11	6.4	44.5	C.	D 3	19.05	C. CH.	E 1	—	41.5	45.5
SR0340	S－4	101.6	7.9	44.5	C.	D 3	15.88	C. CH.	E 1	—	45.1	49.2
SRH124	S－4	101.6	7.9	44.5	C.	D 3	19.05	C. CH.	E 1	—	52.5	57

Steel Chains for Sugar Mill



Bet ween Inner Link plate	Bushing			Roller					MIN ULTIMATE Strength	Ave Wgt Per Meter	Chain No.	Corresponding Chain No.	
	Out Side Dia.	Material	Style										
G	B			R	E	W	Material	Style	kg	kg		REX	LINK BELT
27	16.13	C. CH.	F 2	22.23	—	26.1	C. CH.	G 2	8,000	5.6	RR 204	RR588	—
37.1	23.15	C. CH.	F 2	31.8	—	36.2	C. CH.	G 2	13,000	10.4	RF 205	1359	SS39
37.1	23.15	C. CH.	F 2	44.45	32.5	36.5	C. CH.	G 1	13,000	11.2	RF 206	—	—
37.1	28.98	C. CH.	F 3	69.9	32.5	36.5	C. CH.	G 1	21,000	17.1	RF 212	—	—
32.6	25.4	C. CH.	F 3	50.8	28	32	C. CH.	G 1	12,000	10.4	RF1113	3420	SS1113
40	28.74	C. CH.	F 1	69.8	34.5	39	C. CH.	G 1	23,500	17.4	RF2124	2124	SS96
36.3	22.23	C. CH.	F 1	63.5	31.7	35.7	C. CH.	G 1	14,000	12.5	RF2126	—	—
40	28.74	C. CH.	F 2	82.5	34.5	39	C. CH.	G 1	29,500	17.4	RF2129	—	—
36.85	31.8	A. CH.	F 2	76.2	33.3	33.3	C. CH.	G 1	25,000	13.8	RF2184 PLUS	2184	SS2184
36.85	23.8	C. CH.	F 1	44.45	31	33.3	C. CH.	G 1	14,000	10.5	RF2188	2188	SS2188
43	31.8	C. CH.	F 2	76.2	38.4	42.4	C. CH.	G 1	28,000	15.8	RF2315	—	—
37.7	22.29	C. CH.	F 4	31.75	—	36.5	C. CH.	G 1	12,700	10.2	RO 261	1030	SS40
48.9	31.75	C. CH.	F 4	44.45	—	48	C. CH.	G 1	27,200	18.4	RO 266	1240	SS124
29.1	15.93	C. CH.	F 4	22.23	—	28.6	A. HT.	G 1	11,800	5.6	RO 588	R588	—
27.6	22.23	C. CH.	F 1	44.45	24	27	C. CH.	G 2	9,500	9.9	RO1112	U1112	1112
37.5	23.9	C. CH.	F 1	50.8	32	37	C. CH.	G 2	9,500	11.5	RO1113	U1113	1113-T
32.3	19.05	C. CH.	F 1	50.8	27	31.75	C. CH.	G 2	10,000	14.5	RO1124	212	LRI4½
31.75	19.05	C. CH.	F 1	38.1	27	31.5	C. CH.	G 2	9,000	6.9	RO1124 B	—	1124
32.6	23.9	C. CH.	F 1	50.8	27.1	32.1	C. CH.	G 2	15,500	12.2	RO1125	—	—
37.6	28.6	C. CH.	F 1	63.5	32	37	C. CH.	G 2	15,500	12.8	RO1130	U1130	1130
25.4	15.88	A. CH.	F 4	22.23	—	24.6	A. HT.	G 1	15,500	5.9	RO3120	3120	—
31.8	20.28	A. CH.	F 4	28.58	—	31.7	A. HT.	G 1	26,400	5.9	RO3160	3160	—
27	22.58	C. CH.	F 6	—	—	—	—	—	8,000	5.6	SR 234	88	88
36.5	31.75	C. CH.	F 6	—	—	—	—	—	11,500	16.1	SR 235	103	103
28.6	22.58	C. CH.	F 6	—	—	—	—	—	8,000	5.3	SR 488	988	488
28.6	22.58	C. CH.	F 6	—	—	—	—	—	8,000	5.6	SR 488—F	988	488
31.8	31.8	C. CH.	F 5	—	—	—	—	—	14,500	13.2	SR4103	9103	4103
41.3	36.5	C. CH.	F 5	—	—	—	—	—	14,500	10.9	SR0340	—	—
54	36.5	C. CH.	F 6	—	—	—	—	—	14,500	12.8	SRH 124	H-124	H-124

Type of Attachments

Attachments	Chain No.	Style	S	S1	C	X	K	N	M	O	T	A	Y1	Y2	Ave.Wgt per Meter kg
A－1	SR488	AS－13	－	21.4	48.4	64.3	－	28.6	－	7.0	6.3	－	－	－	6.3
A－2	RF2315	AS－4	45.0	－	76.6	105.5	139.7	17.8	－	13.5	9.5	－	－	－	11.8
A－3	RF2129	AS－5	45.0	－	73.2	104.5	51.0	15.2	－	15.0	9.0	－	－	－	13.1
K－1	RF206	AS－1	27.0	－	47.6	66.6	－	38.1	－	12.7	7.9	－	－	－	9.5
	RF2124	AS－2	41.5	－	55.5	73.0	45.0	65.0	125	16.0	9.5	－	－	－	12.2
	SR488	AS－12	－	21.4	48.4	64.3	－	28.6	－	7.0	6.3	－	－	－	7.6
	SR488F	AS－11	－	21.4	48.4	71.5	－	31.7	－	10.0	6.3	－	－	－	5.6
K－2	RF2124	AS－3	41.5	－	55.5	73.0	76.2	120.0	－	16.0	9.5	－	－	－	15.4
	RF2126	AS－3	41.5	－	52.4	68.4	50.8	82.5	－	9.5	7.9	－	－	－	11.1
F－2	SR488	AS－8	35.0	50.00	25.8	37.5	20.7	－	－	9.5	6.3	30.0	－	－	4.2
	SR4103	AS－9	57.75	79.25	57.15	75.75	35.5	－	－	13.5	7.9	28.0	－	－	16.4
	SRH124	AS－9	47.75	72.75	68.0	83.0	25.5	－	－	12.0	7.9	30.1	－	－	15.2
F－4	SR0340	AS－10	53.2	68.35	66.7	81.8	30.95	－	－	11.0	7.9	30.0	－	－	10.8
G－6	SR234	AS－7	45.5	7.8	41.0	60.0	30.0	55.0	9.9	10.0	4.5	19.0	58.5	20.8	5.3

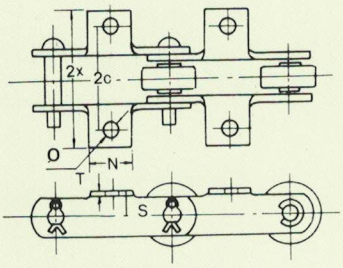
A-22 or A-42 Attachments

Chain No.	Style	A	C	X	N	O	T	Ramarks		Ave.Wgt per Meter kg
								Attachments	Flingntwings	
RO1112	AS－14	46.8	44.0	59.0	31.8	16.67	13.5	A－42	1C	10.9
RO1113	AS－14	50.8	60.3	80.3	49.5	16.67	13.5	A 42	1C・3C	13.8
RO1124	AS－14	50.8	50.8	64.8	35.0	11.10	10.3	A－42	17C1	15.5
RO1125	AS－14	50.8	54.0	75.0	42.0	16.67	12.7	A－22	0C	13.8
RO1130	AS－14	76.2	62.0	82.0	80.0	16.67	15.0	A－42	2C	19.1
RF2184PLUS	AS－6	76.2	66.7	92.0	80.0	16.67	15.0	A－42	2C	30.5
RF2188	AS－6	50.8	55.6	73.0	31.8	16.67	10.3	A－42	17C	11.9
R0340	AS－15	50.8	55.6	71.9	31.8	11.10	10.0	A－42	17C1	11.9

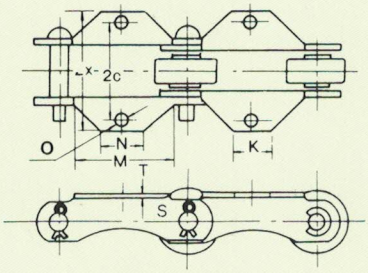
Flight Wings

Chain No.	A	B	C	D	G	H	L	M	O_1	O_2	W	T_1	T_2	Ave.Wgt per Piece No.
0C	49.1	19	30.1	20.6	14.3	44.4	111.1	84.1	11.0	16.67	30.3	8	8.0	0.40
1C	64.0	24	40.0	25.0	14.3	50.0	127.0	88.9	15.0	16.67	33.3	8	9.5	0.70
2C	92.0	25	67.0	25.0	17.0	50.0	127.0	88.9	15.0	16.67	35.0	8	9.0	0.95
3C	65.0	24	41.0	32.0	14.3	50.0	127.8	77.8	11.0	16.67	33.3	8	9.5	1.00
17C	53.0	18	35.0	27.8	11.0	48.0	111.0	76.2	15.0	16.67	27.0	8	8.0	0.50
17C1	50.0	15	35.0	27.8	11.0	48.0	111.0	76.2	15.0	11.00	27.0	8	8.0	0.50

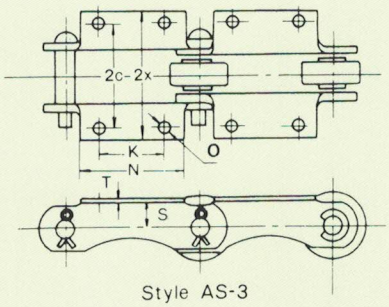
Style of Attachments



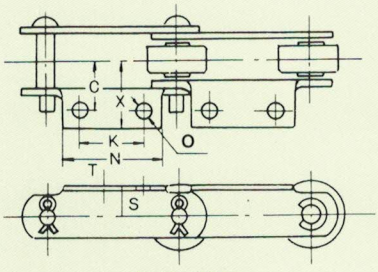
Style AS-1



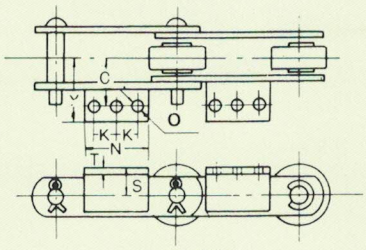
Style AS-2



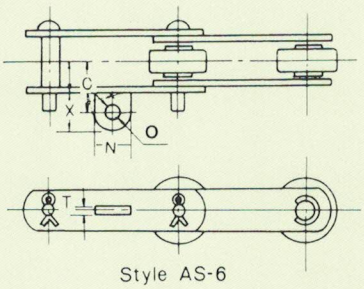
Style AS-3



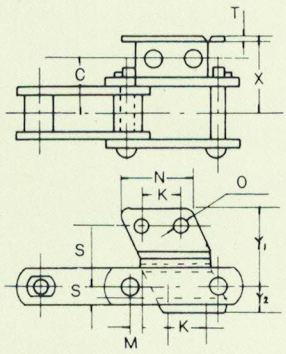
Style AS-4



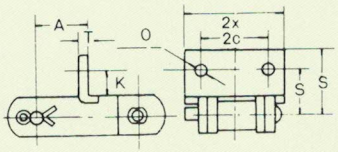
Style AS-5



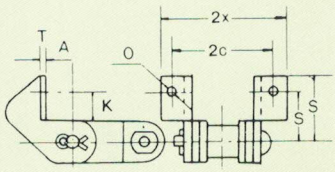
Style AS-6



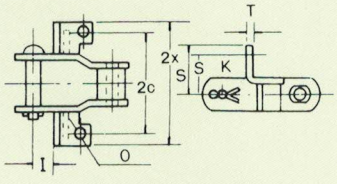
Style AS-7



Style AS-8



Style AS-9



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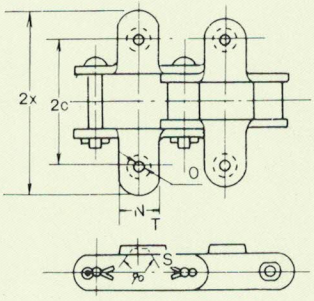

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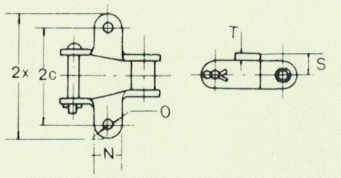
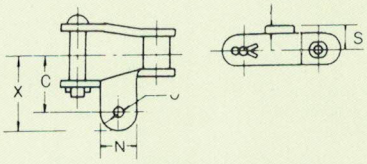
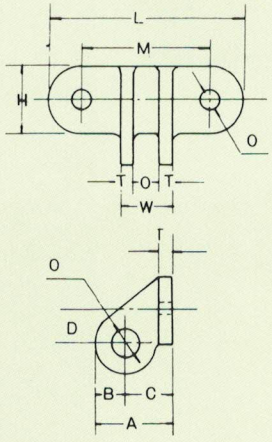


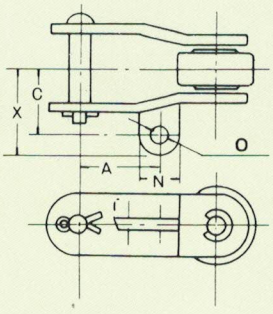
Style AS-12



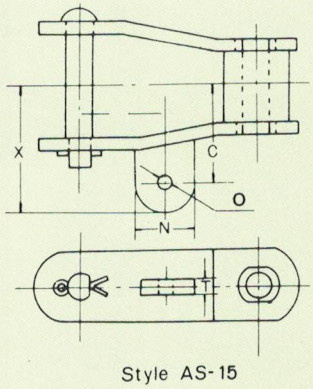
Style AS-13



Flight Wing



Style AS-14



Style AS-15