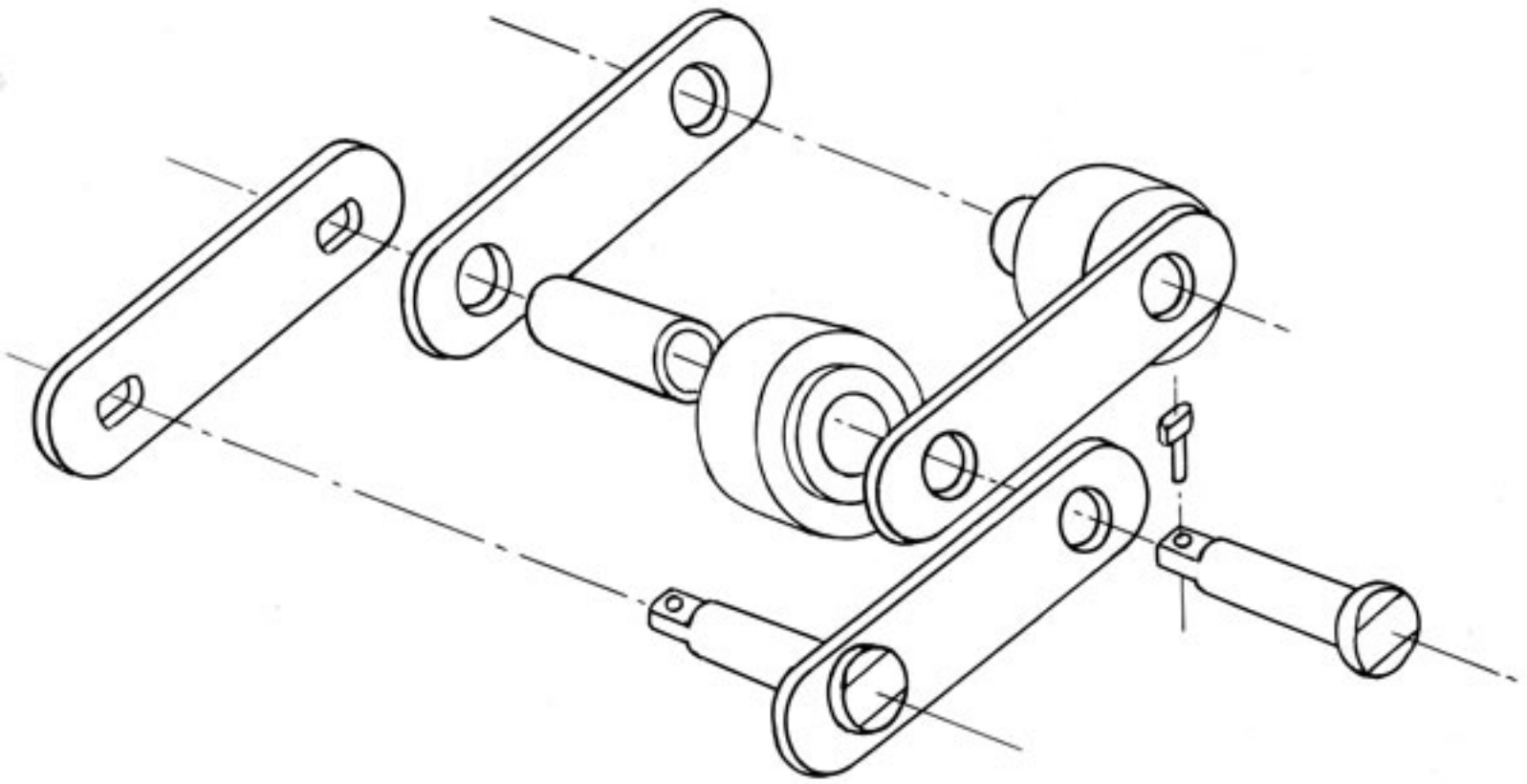
CONSTRUCTION

This is the most popular conveyor chain consisting of pins, bushings, rollers and link plates. It is widely used for conveyors and other equipment in many industries.
A wide variety of attachments adapts the chain to all types of elevating and conveying equipment.



① LINK PLATES

Link plates are the component part receiving chain tension. The holes for press-fitted pins or bushings are accurately punched to maintain uniform pitch.

② ROLLERS

Rollers are free to rotate over the bushings. When the chain engages with the sprocket, roller work as bearings and serve to reduce shock and wear.
When the chain is running on rails or wear strips, the rollers reduce running friction on the chain.

③ BUSHINGS

Bushings are made to obtain high wear resistance then press-fitted to the roller link plates, providing a bearing surface for pin rotation.

④ PINS

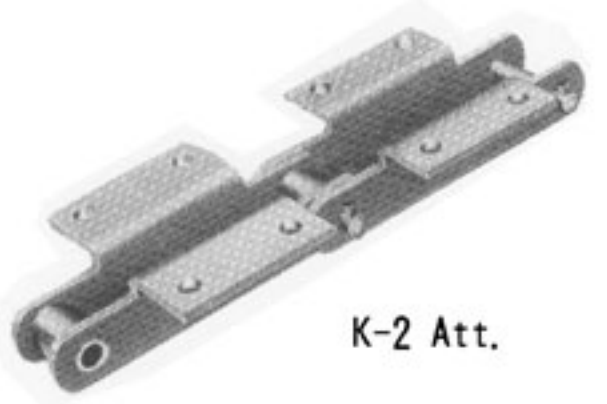
Pins are made to exact specifications for high strength, sturdiness, and wear resistance then rigidly press-fitted to the link plates. Pins resist shearing force through chain tension and rotate in the bushings, providing bearing surfaces when the chain articulates over a sprocket.

TYPES OF ATTACHMENTS

Various types of chain attachments can be provided according to the application and the size and shape of the material to be conveyed. Some of them are standardized with the A, K, SK and G attach ments. For details and dimensions, see General Catalog. Attachments can be assembled at any required spacing.

STANDARD ATTACHMENTS

1) K Attachment
K Attachment: bent type link plate on both sides.
K-1, K-2, or K-3 indicates K attachment
with one, two or three holes
respectively.



K-2 Att.

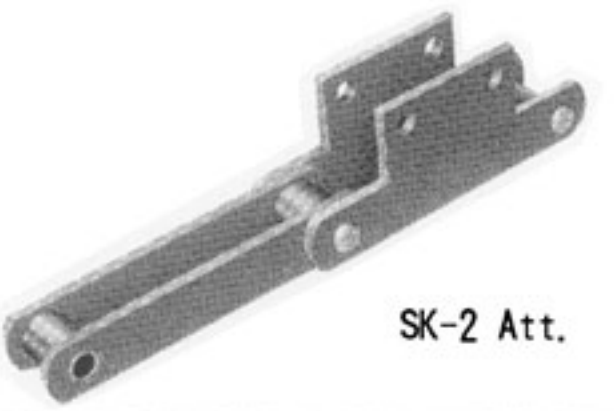
2) A Attachment
A Attachment: bent type link plate on one
side only. A-1, A-2 or A-3 indicates
A attachment with one, two or
three holes respectively.

A-2 Att.

3) G Attachment
G Attachment: Link plate with holes.
"G-2" or "G-4" indicates G attachment
with two or four holes respectively.

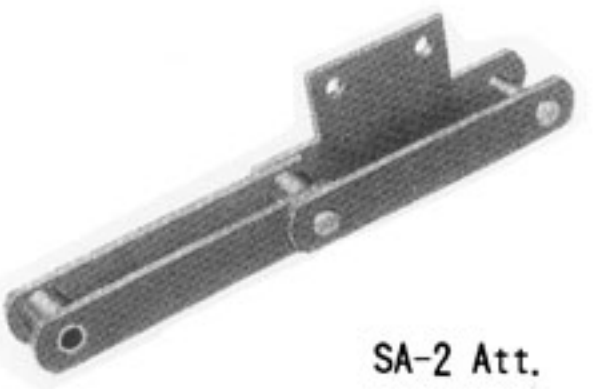
G-4 Att.

4) SK Attachment
SK Attachment: straight attachment on both sides.
SK-1 or SK-2 indicates SK attachment
with one or two holes respectively.



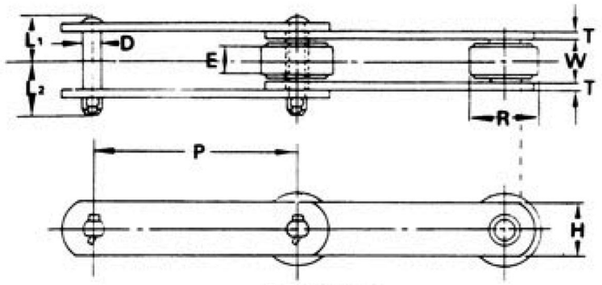
SK-2 Att.

5) SA Attachment
SA attachment: straight attachment on one side only.
SA-1 or SA-2 indicates SA attachment
with one or two holes respectively.

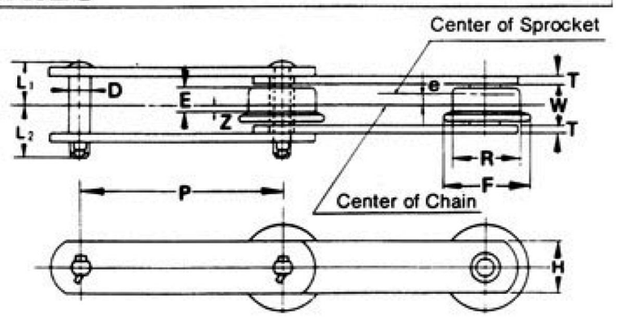


SA-2 Att.

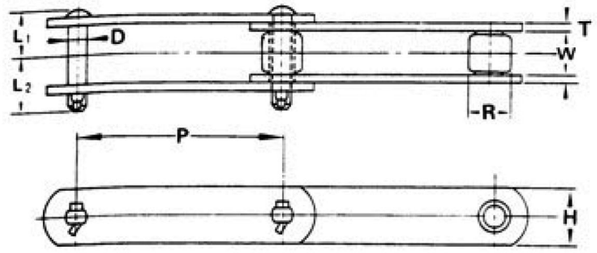
RF CONVEYOR CHAIN BASIC SERIES



R Roller type



F Roller type



S, M, and N Roller types

Chain No.	Roller Type	Average Tensile Strength kN (kgf)	Pitch P	Roller									Width between Roller Link Plates W
				R Roller		F Roller					S Roller	M Roller N Roller	
				R	E	R	F	E	e	Z	R	R	
RF 03075	R·F·S	29 (3,000)	75	31.8	15.5	31.8	42	12	1.8	4.3	15.9	–	16.1
RF 03100	R·F·S		100										
RF 430	R· S	54 (5,500)	101.6	38.1	19	–	–	–	–	–	20.1	–	22.6
RF 05075	S	69 (7,000)	75	40	19	40	50	14	2.5	4.5	22.2	–	22
RF 05100	R·F·S		100										
RF 05150	R·F·S		150										
RF 204	S	78 (8,000)	66.27	–	–	–	–	–	–	–	22.2	–	27
RF 450	R·F·S·M	78 (8,000)	101.6	44.5	23	44.5	55	18	2.5	6.5	22.2	25.4	27
RF 08150	R·F·S·M	78 (8,000)	150	44.5	23	44.5	55	18	2.5	6.5	22.2	25.4	27
RF 650	R·F·S·M	78 (8,000)	152.4	50.8	26	50.8	65	20	3	7	25.8	31.8	30.2
RF 10100	R· S·M	113 (11,500)	100	50.8	27	–	–	–	–	–	29	31.8	30
RF 10150	R·F·S·M		150			50.8	65	20	3	7			
RF 214	R· S·M	127 (13,000)	101.6	44.5	27	–	–	–	–	–	31.8	34.9	31.6
RF 205	S	127 (13,000)	78.11	–	–	–	–	–	–	–	31.8	–	37.1
RF 6205	R·F·S·M	186 (19,000)	152.4	57.2	32	57.2	70	25	3.5	9	34.9	38.1	37.1
RF 12200	R·F·S·M	186 (19,000)	200	65	32	65	80	24	4	8	34.9	38.1	37.1
RF 12250	R·F·S·M		250										
RF 212	R· S·M	245 (25,000)	152.4	69.9	32.5	–	–	–	–	–	40.1	44.4	37.1
RF 17200	R·F·S·M	245 (25,000)	200	80	44	80	100	34	5	12	40.1	44.5	51.4
RF 17250	R·F·S·M		250										
RF 17300	R·F·S·M		300										
RF 26200	S·M	314 (32,000)	200	–	–	–	–	–	–	–	44.5	50.8	57.2
RF 26250	R·F·S·M		250	100	50	100	125	38	6	13			
RF 26300	R·F·S·M		300										
RF 26450	R·F·S·M		450										
RF 36250	S·M	475 (48,500)	250	–	–	–	–	–	–	–	50.8	57.2	66.7
RF 36300	R·F·S·M		300	125	56	125	150	42	7	14			
RF 36450	R·F·S·M		450										
RF 36600	R·F·S·M		600										
RF 52300	R·F·S	500 (51,000)	300	140	65	140	170	49	8	16.5	57.2	–	77
RF 52450	R·F·S		450										
RF 52600	R·F·S		600										
RF 60300	R·F·N	500 (51,000)	300	140	68	140	170	49	8	16.5	–	70	77
RF 60350	R·F·N		350										
RF 60400	R·F·N		400										
RF 90350	N	789 (80,500)	350	–	–	–	–	–	–	–	–	85	88
RF 90400	R·F·N		400	170	76	170	205	56	10	18			
RF 90500	R·F·N		500										
RF120400	R·N	1,110 (113,000)	400	200	87	–	–	–	–	–	–	100	100
RF120600	R·F·N		600			200	240	64	11.5	20.5			

Link Plate		Pin				Appox. Mass				Attachment Type						
H	T	D	L_1+L_2	L_1	L_2	R Roller kg/m	F Roller kg/m	S Roller kg/m	M Roller N Roller kg/m	A-1 K-2	A-2 K-2	A-2 (Welded)	A-3 (Welded)	SA-2 SK-2	G-2	G-4
22	3.2	8.0	38	18	20	2.7	2.8	1.9	–	R·F·S	R·F·S			R·S		
						2.3	2.4	1.7	–							
25.4	4.8 (5.0)	9.7	55	25.5	29.5	4.3	–	3.0	–	R·S	R·S			R·S		
32	4.5	11.3	53.5	25	28.5	–	–	4.2	–	S	S					
						5.0	5.2	3.7	–	R·F·S	R·F·S			R·S	R·S	
						4.1	4.1	3.2	–						R·F·S	
28.6	6.3 (6.0)	11.3	65.5	31	34.5	–	–	5.6	–	S	S	–	–		–	
28.6	6.3 (6.0)	11.3	65.5	31	34.5	6.8	7.2	4.6	4.9	R·F·S·M	R·F·S·M			R·S·M		
28.6	6.3 (6.0)	11.3	65.5	31	34.5	5.5	5.6	4.0	4.2	R·F·S·M	R·F·S·M			R·S·M		
38.1	6.3 (6.0)	11.3	69	32.5	36.5	7.7	8.0	6.0	6.4	R·F·S·M	R·F·S·M			R·S·M	R·F·S·M	S·M
38.1	6.3 (6.0)	14.5	69	33	36	9.8	–	6.8	7.1	R·S·M	R·S·M			R·S·M	S·M	
						7.9	8.3	5.9	6.1	R·F·S·M	R·F·S·M				R·F·S·M	S·M
38.1	7.9	15.9	77.5	37.5	40	10.4	–	8.7	9.1	R·S·M	R·S·M			R·S·M		
38.1	7.9	15.9	83.5	40.5	43	–	–	10.4	–		S	–	–		–	
44.5	7.9	15.9	83.5	40.5	43	12.1	12.4	9.3	9.6	R·F·S·M	R·F·S·M			R·S·M	R·F·S·M	S·M
44.5	7.9	15.9	83.5	40.5	43	11.4	12.1	8.4	8.7	R·F·S·M	R·F·S·M			R·S·M	R·F·S·M	S·M
						10.3	10.8	7.8	8.0							
50.8	9.5 (10)	19.1	95.5	44.5	51	17.1	–	12.6	13.1	R·S·M	R·S·M			R·S·M		
50.8	9.5 (10)	19.1	109.5	51.5	58	18.8	19.8	12.0	12.6	R·F·S·M	R·F·S·M				R·F·S·M	S·M
						16.5	18.0	11.1	11.6							
						15.0	15.7	10.5	10.9			R·F·S·M			R·F·S·M	
63.5	9.5 (10)	22.2	116.5	55.5	61	–	–	16.0	17.0		S·M					S·M
						25.3	26.2	14.7	15.5		R·F·S·M					S·M
						22.3	23.6	13.8	14.5			R·F·S·M			R·F·S·M	S·M
						18.0	18.9	12.4	12.9			R·F·S·M	R·F·S·M			
76.2	12.7	25.4	146	68	78	–	–	24.4	25.5							S·M
						39.0	40.1	22.9	23.8			R·F·S·M				S·M
						30.7	31.9	20.2	20.8			R·F·S·M	R·F·S·M		R·F·S·M	
						26.9	27.8	19.0	19.5			R·F·S·M	R·F·S·M		R·F·S·M	
76.2	16	31.8	172	82	90	48.8	52.5	29.7	–			R·F·S				
						37.5	39.3	26.2	–			R·F·S	R·F		R·F·S	
						32.9	34.3	24.4	–			R·F·S	R·F		R·F·S	
90	12.7	35.0	160.5	77	83.5	52.4	55.1	–	31.0			R·F·N				
						47.2	49.5	–	28.8			R·F·N	R·F·N			
						43.8	45.8	–	27.7			R·F·N	R·F·N			
110	16	42.0	189.5	89.5	100	–	–	–	47.6			N				
						71.0	74.4	–	45.1			R·F·N				
						62.3	65.0	–	41.6			R·F·N	R·F·N			
130	19	50.0	218.5	105.5	113	105.7	–	–	63.9			R·N				
						83.3	88.0	–	55.4			R·F·N	R·F·N			

Notes: 1. Thickness of link plate T in ( ) is for ANSI300 Series Stainless Steel.
2. R, F, S, M, and N in the column of attachment type show rollers available for attachment type.