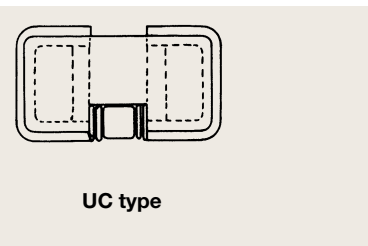
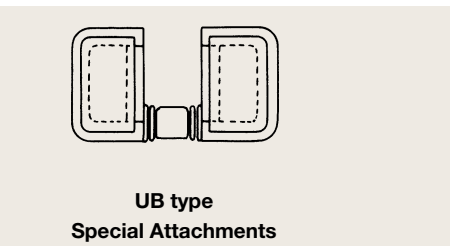
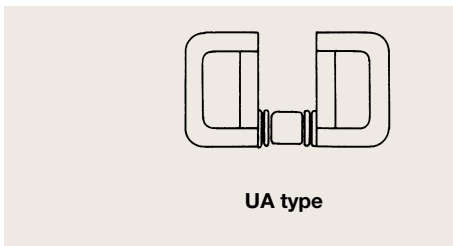
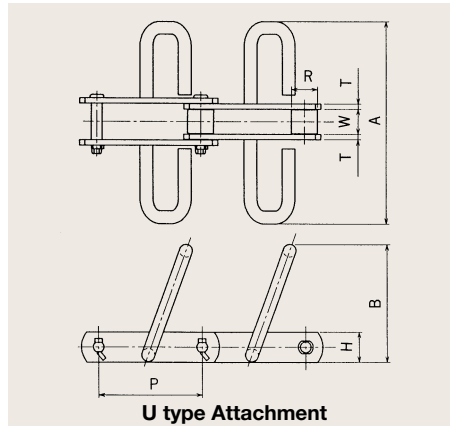
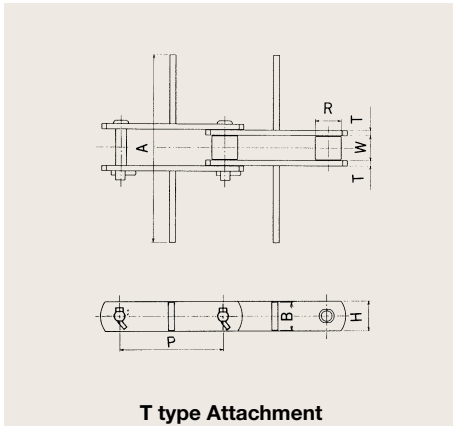


Chains for Special Applications

Steel Chains

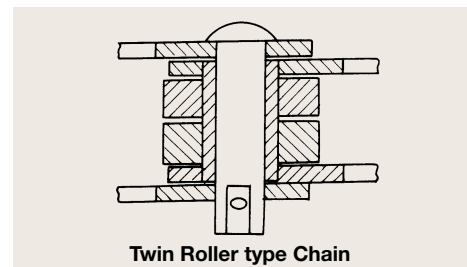
These chains are specially designed for case conveyors which convey powders. They have increased clearances between pins and bushes so that powder entering the space does not impair flexure. Twin-roller type chains were developed to prevent powders, granules and other conveyed particles from adhering between bushes and rollers and impairing roller rotation.



Special Attachments

Twin Roller type Chains

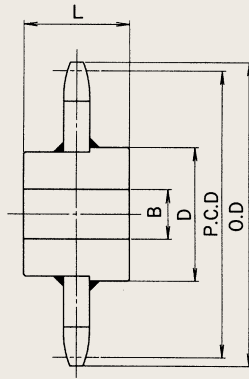
We recommend special steel alloys for use with conveyors to carry raw materials and powders (cement, chemical fertilizers etc.), to resist wear. Consult us if the environment in which the chain will be used is wear or corrosive.



Chain No.	Chain Pitch P (mm)	Roller Outer Dia. R (mm)	Inner Width W (mm)	Link Plate		Attachment Dimensions (mm)			Average Tensile Strength		Mass (kg/m)	
				Height H (mm)	Thickness T (mm)	A	B		(kN)	(kgf)	T type	U type
							T type	U type				
HC10107	101.6	25.4	22.6	31.8	4.7	125	28	90	73.5	7500	5.1	9.3
HC10111	101.6	31.8	27.0	38.1	6.3	125	38	90	107.9	11000	8.1	11.3
						150		105			8.9	9.9
						180		120			8.9	14.1
HC15211	152.4	31.8	30.2	38.1	6.3	150	38	105	107.9	11000	8.0	9.0
HC15217	152.4	38.1	37.1	44.5	7.9	150	44	105	186.3	19000	10.8	12.0
						180		120			11.2	16.5
						230		140			13.0	18.6
						290		155			14.2	24.1
HC15222	152.4	44.5	37.1	50.8	9.5	180	50	160	245.2	25000	16.4	20.0
						230		120			16.6	20.5
HC20022	200	44.5	51.4	50.8	9.5	230	50	140	245.2	25000	15.4	19.3
						290		145			16.5	23.6
						340		160			18.9	26.0
						410		280			20.5	34.5
HC25031	250	50.8	57.2	63.5	9.5	340	60	150	304.0	31000	21.4	26.8
						410		280			23.0	32.4
						470		350			27.2	38.0
						570		390			33.0	39.2
						470		75			240	480.5
570	55	340	480.5	49000	46.5	45.7						

Note: 1. We will manufacture cleaners and cups on request. 2. We can also manufacture special attachments.

Sprockets for Steel Chains



(mm)

Chain No.	No. of Teeth N	Pitch Circle Dia. P.C.D.	Outer Dia. O.D.	Bore Dia. B		Hub		Mass (kg)	Chain No.	No. of Teeth N	Pitch Circle Dia. P.C.D.	Outer Dia. O.D.	Bore Dia. B		Hub		Mass (kg)
				Pilot Bore	Maximum	Diameter D	Width L						Pilot Bore	Maximum	Dia. D	Width L	
HC10107	8	265.5	283	40	65	100	70	15.0	HC15222	8	398.2	430	50	105	165	115	43.0
	9	297.1	315		65	100	70	16.0		9	445.6	477		105	165	115	51.0
	10	328.8	346		70	115	80	17.5		10	493.2	524		105	170	120	61.0
	11	360.6	378		70	115	80	19.5		11	540.9	572		115	180	125	74.0
	12	392.6	410		70	115	80	22.0		12	588.8	620		115	180	125	84.0
HC10111	8	265.5	288	40	75	120	80	13.5	HC20022	8	522.6	554	50	100	160	105	75.0
	9	297.1	320		75	120	80	15.5		9	584.8	616		105	170	110	94.0
	10	328.8	350		75	120	80	18.5		0	647.2	678		105	170	110	110.0
	11	360.6	383		80	125	80	22.0		11	709.9	740		105	170	110	130.0
	12	392.6	415		80	125	90	24.0		12	772.7	803		115	180	115	153.0
HC15211	8	398.2	420	40	75	120	85	28.5	HC25031	8	653.3	690	50	125	200	140	140.0
	9	445.6	468		80	130	90	35.7		9	731.0	767		125	200	140	170.0
	10	493.2	515		85	135	95	44.0		10	809.0	845	140	220	155	210.0	
	11	540.9	563		85	135	95	52.0		11	887.4	923	60	140	225	160	250.0
	12	588.8	610		90	145	100	62.0		12	965.9	1000		145	230	165	290.0
HC15217	8	398.2	425	40	95	150	105	40.0	HC25049	8	653.3	693	60	130	210	150	150.0
	9	445.6	472		100	160	110	50.0		9	731.0	770		140	220	150	190.0
	10	493.2	520		100	160	110	58.5		10	809.0	850	145	230	160	230.0	
	11	540.9	568		100	160	115	69.0		11	887.4	927	70	150	240	170	270.0
	12	588.8	615		105	170	120	82.0		12	965.9	1006		80	155	250	175

Chains for Special Applications

HW type Conveyor Chains for Use in Garbage Incinerator Equipment

The chains used in garbage incinerator chains face adverse conditions due to the nature of the materials conveyed, including entry of ash etc. between chain elements, and use underwater. Therefore, wear on the outer surfaces of bushes and inner surfaces of rollers have a great impact on chain lifespan, so a more wear-resistant specification is required, compared to general conveyor chains. In addition, clearances are specially designed to avoid reduced flexion and rotation.



Characteristics of HW type Conveyor Chains for Use in Garbage Incinerator Equipment

Component Name	Standard Conveyor Chains		HW type Conveyor Chains for Use in Garbage Incinerator Equipment	
	Materials	Heat Treatment	Materials	Heat Treatment
Link Plate	Carbon Steel	None	Carbon Steel	None
Pin	Carbon Steel	Hardening and Tempering	Alloy Steel	Hardening and Tempering
Bush	Case Hardened Steel	Carburizing, Hardening and Tempering	Alloy Steel	Hardening and Tempering
Roller	Carbon Steel	None	Carbon Steel	Induction Hardened of inner surfaces
Bush Form	<p style="text-align: center;">Straight Bush</p>		<p style="text-align: center;">Stepped Bush</p>	

Bushes

As a wear resistant specification, bushes are made of Alloy steel, heat treated for uniform hardness from surface to core.

Rollers

As a wear resistant specification, rollers are treated with induction hardened of their inner faces. Their outer faces roll on rails, so wear resistance is not a problem in general.

Bush Form

The bushes and rollers are components which greatly influence lifespan, so the bushes are designed with larger outer diameters, and the contact surfaces are wider.



Garbage Incinerator Facility



HW type Conveyor Chains for Use in Garbage Incinerator Equipment