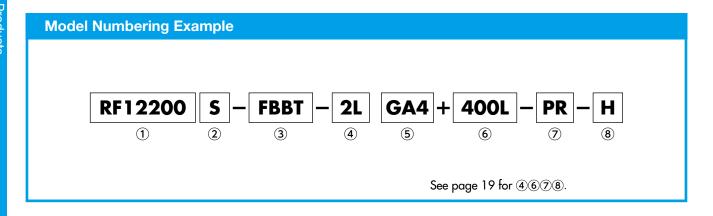
Industry Specific Products

We've changed the model numbering of large size conveyor chains. Using a combination of codes, a chain can be identified without having to specify its configuration.



Code	Industry/ Application			See page
	Indicates the	basic shape of t	he chain. Enter chain size in the	
	General	RF	Basic conveyor chain shape	
	Cement	В	Bucket elevator conveyor chain	P67
	Cement	WD	Drag chain	P72
		NF.	Block chain	P75
① Size	Steel	NFX	Block chain for flow conveyors	P76
() Size		CT	Coil transfer conveyor chain	P78
		ACP	Collector (plastic)	P89
		ACR8	Collector (steel)	P90
	Water treatment	ACS	Sediment collector, conveyor	P91
		JAC	Water screen	P93
		WAC	Water screen	P97
	May or may n	ot be available	depending on the series and size.	
	Powder conveyance	M N	Better wear resistance than S rollers Added strength between pin-bush (RF26 and larger)	P12
② Roller type	Clean, low noise	RP/FP	Plastic rollers	P12
	Automotive	VR	Double Plus conveyor chain	P105
	Automotive	WDR/WDF	Shower tester and final inspection line	P108

Tsubaki offers a line-up of industry specific products that have a proven track record in conveyors in a variety of industries. Contact a Tsubaki representative about how you can put these specifications to work in other industries as well.







Steel Industry (super heavy load conveyance)



Biomass Power Generation



Waste Disposal Facilities



Food Industry



Water Treatment Industry

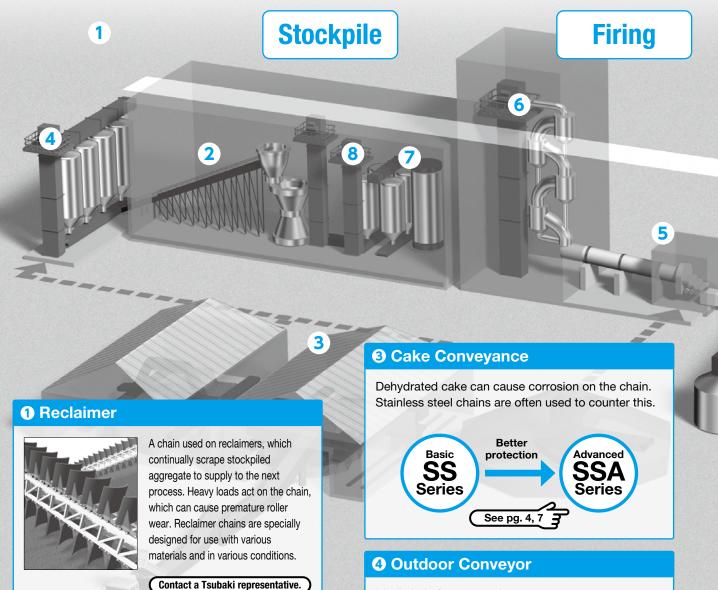


Automotive Industry

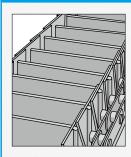
Code	Industry/ Application			See page
	Enter the series	of the base chain in	the	
	Cement	FA	FA Series	P64
	Cement	FB.	FB Series	P69
	Steel, other	DL	Deep Link conveyor chain	P77
© Cardan		KG•KA	Intake/feed conveyor	P82
③ Series	Waste disposal,	AG•AA/AM•AP	Ash conveyor	P82
	biomass power generation	FG/FP	Fly ash conveyor	P82
		YP	Molten slag conveyor	P82
	Food	LMC	Lambda chain (lube-free)	P86
	Automotive	NB	Bearing bush conveyor chain	P103
	Cement, food	L •KL • W •BM •BM • BK • , etc.	Flow attachment (horizontal) Enter case inner width in the	P61
		ИМ	Flow attachment (inclined) Enter case inner width in the	P63
	Food	C•K	With cleaner and sweeping board	P85
⑤ Attachment type	Waste disposal	CA2	For pan conveyors	P128
	Mateura atmospheric	SF4	Flight attachment for collectors	P89
	Water treatment	LA1/LONGPIN	Bucket attachment for sediment collector	P91
	A. da maatii sa	SR	Outboard rollers	P106
	Automotive	TR	Top rollers	P107

Industry Specific Products Cement Industry

Conveyor chains specially designed for the stockpile, firing, and finishing processes



2 Apron Conveyor



A chain used on conveyors that convey raw material and fuel on an apron. Dust can have a huge influence on roller wear.

	Basic Model	Advanced Model
Short conveyors	DT Series	DTA Series
Long conveyors	AT Series	ATA Series

When even longer life is needed...

Bearing Roller Conveyor Chain Anti-Dust Specifications

See pg. 115

Ideal chain for use outdoors.



G Clinker Conveyor (Drag Conveyor)



A drag chain for conveying clinker.
Conveys by pushing the conveyed
material with the leading face of the bush.

WD Series Drag Conveyor Chain

See pg. 72

6 Fuel Conveyance

A chain that conveys fuel such as coal, coal dust, and other highly abrasive material.



♦ Y Series: Coal dust conveyance

Finishing

9 Product Conveyance

A chain that conveys cement products. Cement products can infiltrate chain joints, so protection against wear is necessary.

◆ Pin-bush wear protection: CT Series & BT Series

See pg. 126





A chain that conveys powders in a sealed case. Various attachments are available for different types of conveyed material.

- ◆ General use: DT/AT Series
- Coal dust conveyance: RT Series

See pg. 61

Fly ash conveyance:
FA Series

See pg. 64

Dust Collector Conveyor

A conveyor chain that collects dust generated in various processes.

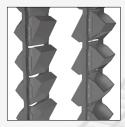
- ♦ General use: CT/BT Series
- ◆ For corrosive environments Poor articulation protection: MT Series Poor roller rotation protection: RT Series

See pg. 126

Tsubaki offers the ideal clearance for any material.

Contact a Tsubaki representative.

Bucket Elevator



A chain that lifts up and conveys powders in a sealed case. The focus is on wear protection and fatigue strength.

- ♦ General use: CT/BT Series
- ◆ Coal dust conveyance: RT/YT Series

See pg. 67 3

Fly ash conveyance: FB Series

See pg. 69

Special Block Tooth Insert Sprockets



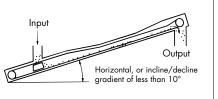
Special sprockets used in highly wear inducing environments or when sprocket replacement is difficult.

See pg. 71



Flow Conveyor Chain





■ Horizontal Flow Conveyor Chain

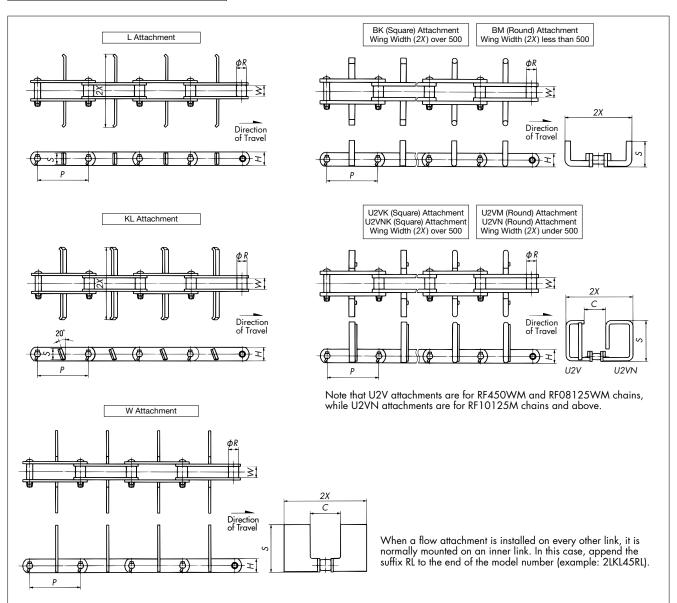
Flow Conveyor Chain conveys powders in a sealed case, which prevents dispersal, making it optimal for conveying loose materials safely.

This attachment chain is designed just for flow conveyors, and boasts Tsubaki's advanced technology and numerous examples of success. Tsubaki offers different attachment types to match any application requirement.

Carbon steel attachments are standard, but stainless steel attachments can be manufactured upon request.

The base chain is either standard conveyor chain or reinforced AT Series, but users can select other specifications to match the nature of the conveyed material.

- ◆ Consider replaceable tooth sprockets (p51) as well.
- Coal Dust Chain: Tsubaki recommends the RT Series for conveying corrosive coal dust.
- ◆ In terms of price and delivery, W attachments are recommended over U2V and U2VN attachments.



Size and	Former	Case	Pitch	Roller Diameter I	Inner Link er Inner Width	Plate	DT S	eries	AT Series		
Roller Type	Chain Number	Inner Width	P	Diameter R	Inner Width W	Height <i>H</i>	Max. Allowable Load kN{kgf}	Min. Tensile Strength kN{kgf}	Max. Allowable Load kN{kgf}	Min. Tensile Strength kN{kgf}	
RF450WM	F4•FW4	150	101.6	25.4	27	31.8	15.4{1570}	93.5{9500}	20.3{2070}	127{13000}	
RF08125WM		200	125	25.4	27	31.8	15.4{1570}	93.5{9500}	20.3{2070}	127{13000}	
RF10125M		200	125	21.0	30	20.1	17 ((1700)	107(11000)	20 2(2200)	200(20500)	
RF10150M		270	150	31.8	30	38.1	17.6{1790}	107{11000}	32.3{3290}	200{20500}	
RF6205M	F6•FA6	270	152.4	38.1	37.1	44.5	26.6{2710}	160{16500}	39.9{4060}	249{25500}	
RF12200M		350	200	38.1	37.1	44.5	26.6{2710}	160{16500}	39.9{4060}	249{25500}	
RF17200M		350	200	44.5	51 A	<i>E</i> 0 0	25 0(2570)	212(22000)	EE 2(E440)	224(24500)	
RF17250M		450	250	44.5	51.4	50.8	35.0{3570}	213{22000}	55.3{5640}	336{34500}	
RF26200M	F8•FA8	410	200				44.9{4580}	285{29000}	74.3{7580}	448{45500}	
RF26250N		450	250	50.8	57.2	63.5			00 4(0000)	EE1(E4000)	
RF26300N		580	300	1			_	_	80.6{8220}	551{56000}	
RF36300M	E10 EA10	500	200	57.0	447	74.0	68.0{6930}	457{46500}	97.4{9440}	614{62500}	
RF36300N	F12•FA12	580	300	57.2	66.7	76.2	-	-	124{12600}	777{79000}	

Size and	Wing Width	L Attac	chment	KL Atto	chment	B Atta	chment		2V (U2VI attachmer		W Attachment		
Roller Type	2X	Height S	Mass kg/m	Height S	Mass kg/m	Height S	Mass kg/m	Height S	С	Mass kg/m	Height S	С	Mass kg/m
RF450WM	135	28.6	6.5	28.6	6.5	55	7.4	80	60	9.1	80	80	8.1
RF08125WM	185	28.6	6.5	28.6	6.5	80	8.2	115	85	10.1	115	85	10.3
RF10125M	185	21.0	8.1	31.8	8.1	80	8.9	115	85	10.1	115	85	11.3
RF10150M	250	31.8	0.1	31.0	0.1	100	9.8	140	105	12	140	105	13.0
RF6205M	250	38.1	12	38.1	12	100	14.4	140	105	18.5	140	105	17.2
RF12200M	330	40	12	40	12	125	16.3	185	130	20	185	130	22.6
RF17200M	330	46	17	46	17	125	18. <i>7</i>	185	130	23	185	130	26.3
RF17250M	430	40	17	40	17	160	19.3	230	135	23.7	230	135	31.5
RF26200M	390		28		28	150	25	233	100	33.4	233	100	41.7
RF26250N	430	58	23	58	23	160	25	230	135	29	230	135	35.7
RF26300N	560		23		23	200	27	290	160	30.6	290	160	53.0
RF36300M	560	70	34	70	34	200	27	290	160	40	290	160	61.3
RF36300N	300	/0	34	70	54	200	2/	290	100	40	270	100	01.3

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

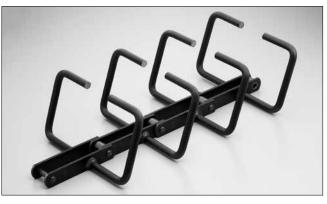
■ Attachment Types and Applications

Attachment Type	Application
L	Conveying grain or cement
KL	Conveying adhesive powder
W	Conveying powder that flashes easily
BM (Round)	Conveying loose material like flour or cement with higher conveying efficiency than L attachments
BK (Square)	Conveying massive, loose, or adhesive materials that are hard to convey with B (Round) attachments
U2VM (Round), U2VNM (Round)	For use on larger or inclined conveyors
U2VK (Square), U2VNK (Square)	Conveying massive, loose, or adhesive materials that are hard to convey with U2V(U2VN)M attachments





Flow Conveyor Chain



UM (Round) Attachment (Wing width 2X: under 500) Direction of Travel

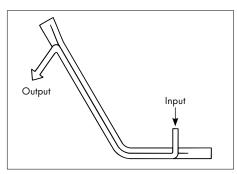
φ) Ξ

UK (Square) Attachment UM (Round) Attachment

UK (Square) Attachment (Wing width 2X: over 500)

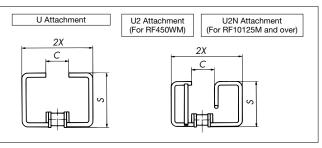
When a flow attachment is installed on every other link, it is normally mounted on an inner link. In this case, append the suffix RL to the end of the model number (example: 2LUM32RL).

■ Inclined Flow Conveyor Chain



■ Attachment Types and Applications

Attachment Type	Application
UM (Round)	Conveying general loose materials
UK (Square)	Conveying massive, loose, or adhesive materials
U2M (Round), U2NM (Round)	Conveying materials at a higher efficiency than UM
U2K (Square), U2NK (Square)	Conveying materials at a higher efficiency than UK



Size and	Case	Pitch	Roller	Inner Link Inner		Wing	U A	Attachm	ent	U2(U2	N) Atta	chment	DT S	eries	AT S	eries	
Roller Type	Inner Width	P	Dia. R	Width	h Height Width F		Height S	С	Mass kg/m	Height S	С	Mass kg/m		Min. Tensile Strength kN{kgf}	Tensile Strength Max. Allowable Load kN{kgf}		
RF450WM	160	101.6	25.4	27	31.8	145	110	50	10.1	110	50	10.9	15.4{1570}	93.5{9500}	20.3{2070}	127{13000}	
RF10125M	240	125	31.8	30	38.1	225	140	65	14.3	140	65	15.7	17.6{1790}	107{11000}	32.3{3290}	200{20500}	
RF6205M	320	152.4	38.1	37.1	44.5	300	175	80	20.1	175	80	21.7	26.6{2710}	160{16500}	39.9{4060}	249{25500}	
RF17200M	410	200	44.5	51.4	50.8	390	220	100	27.9	220	100	30.3	35.0{3570}	213{22000}	55.3{5640}	336{34500}	
RF26200M	410	200	50.8	57.2	63.5	390	220	100	30.9	220	100	33.3	44.9{4570}	285{29000}	74.3{7580}	448{45500}	
RF26200N	410	200	30.6	37.2	03.3	390	220	100	30.9	220	100	33.3	-	-	80.6{8220}	551{56000}	
RF36300M	500	300	57.2	66.7	76.2	480	260	120	42.5	260	120	44.8	68.0{6930}	457{46500}	97.4{9940}	614{62500}	
KF30300M	600	300	37.2	00.7	70.2	580	305	140	47	305	140	48.1	00.0(0930)	437 (40300)	97.4{9940}	014(02300)	
RF36300N	500	300	57.2	66.7	76.2	480	260	120	42.5	260	120	44.8			124{12600}	777(70000)	
KESOSUUN	600	300	37.2	00.7	70.2	580	305	140	47	305	140	48.1	_	_	124{12000}	777{79000}	

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

Ordering Inclined Flow Conveyor Chain (Made to Order)

Model Numbering Example

RF6205M-DT-1LUM32+400L-PR

No. of Links Roller Type Series Case Inner Width Attachment Spacing Attachment Type

Ordering Example

Size: RF6205 Pitch: 152.4mm Roller Type: M Roller Product: Standard DT Series

Attachment Spacing/Type: UM every link Case Inner Width: 320mm

Quantity: 400 links per chain

Chain Number RF6205M-DT-1LUM32+400L-PR

Quantity Unit Η

FA Series Fly Ash Conveyor Chain

Series: FA

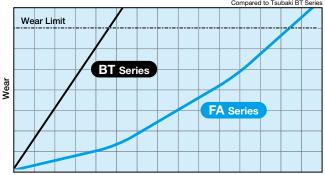


When Wear Is a Problem

Coal fly ash, a highly abrasive constituent of cement, has seen increasing use in recent years. In order to extend the wear life of our Fly Ash Conveyor Chain, we further improved our popular Anti-Wear Series and implemented a special hardening treatment that gives remarkable strength to the rollers' anti-wear properties, greatly increasing wear life.

Optimal for Fly Ash Conveyance x the chain life

■ Chain Life Comparison (Bushing/Roller Wear)



Operating Time

♦ Bush Wear Comparison after Use



Fly ash has infiltrated between bush and roller, causing abrasive wear on the bush outer diameter.



Fly ash has infiltrated between bush and roller, but the special hardening on the bush outer diameter

has greatly reduced wear.

Applications

Fly ash conveyor lines in cement tankers and cement factories, and on other extremely abrasive conveyor lines.



Application Example

This Flow Chain with W attachments is finding use in this fly ash conveyor line.



Note: 1. Sprocket teeth must be hardened steel.
2. Take measures to prevent wear on rails.

Ordering Fly Ash Flow Conveyor Chain (Made to Order)

Model Numbering Example

RF36300N-FA-1LU2M60+400L-PR

Size
Roller Type
Series
Case Inner Width
Attachment Spacing
Attachment Type

Ordering Example

Size: RF36 Pitch: 300mm Roller Type: N Roller Product: FA Series

Attachment Spacing/Type: U2M every link

Case Inner Width: 600mm Quantity: 400 links per chain

Chain Number

Quantity Unit

RF36300N-FA-1LU2M60+400L-PR

Н

Note: Please consult a Tsubaki representative.

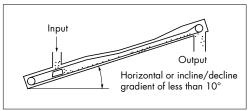


FA Series Fly Ash Conveyor Chain

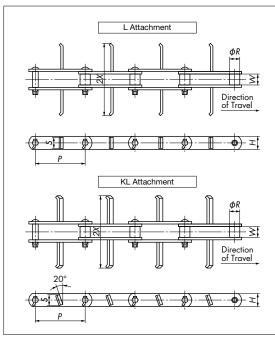
Series: FA

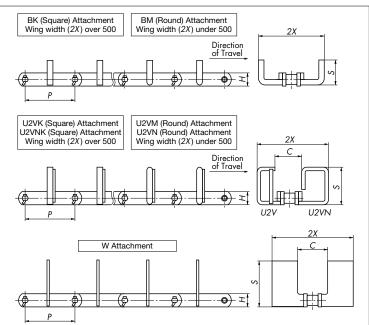


■ FA Series Fly Ash Conveyor Chain (Horizontal Conveyance)



When a flow attachment is installed on every other link, it is normally mounted on an inner link. In this case, append the suffix RL to the end of the model number (example: 2LKL45RL).





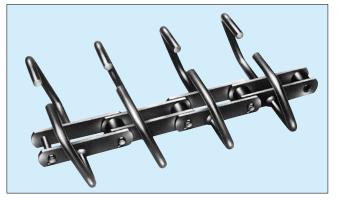
							·		
Size and	Nominal	Case Inner	Pitch	Roller	Inner Link	Plate Height	FA S	eries	
Roller Type	Size	Width	P	Diameter R	Inner Width W	H	Max. Allowable Load kN{kgf}	Min. Tensile Strength kN{kgf}	
RF17200M	35	350	200	44.5	51.4	50.8	55 2(54 40)	2.49(2.5.500)	
RF17250M	45	450	250	44.5	31.4	30.6	55.3{5640}	348{35500}	
RF26200M	41	410	200				74.3{7580}	464{47500}	
RF26250N	45	450	250	50.8	57.2	63.5	00 ((0000)	EE1(E4000)	
RF26300N	58	580	300				80.6{8220}	551{56000}	
RF36300N	58	580	300	57.2	66.7	76.2	104(10500)	777(70000)	
RF36350N	75	750	350	37.2	00./	70.2	124{12500}	777{79000}	
RF60350N	7.5	750	350	70	77	90	149{15000}	1010{103000}	

Size and	Wing Width	L Attac	chment	KL Atta	chment	B Attac	chment		2V(U2VI attachme		W Attachment			
Roller Type	2X	Height S	Mass kg/m	Height S	Mass kg/m	Height S	Mass kg/m	Height S	С	Mass kg/m	Height S	С	Mass kg/m	
RF17200M	330	46	17	44	17	125	18. <i>7</i>	185	130	23	185	130	26.3	
RF17250M	430	40	17	46	17	160	19.3	230	135	23.7	230	135	31.5	
RF26200M	390		28		28	150	25	233	100	33.4	233	100	41.7	
RF26250N	430	58	23	58		160	25	230	135	29	230	135	35.7	
RF26300N	560		23		23	200	27	290	160	30.6	290	160	53.0	
RF36300N	560	70	34	70	34	200	37	290	160	40	290	160	61.3	
RF36350N	720	70	36	70	36	240	47	350	180	67	350	180	76.3	
RF60350N	720	84	46	84	46	240	54	350	180	75	350	180	85	

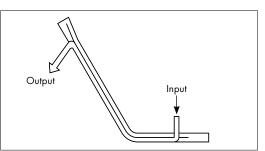
Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

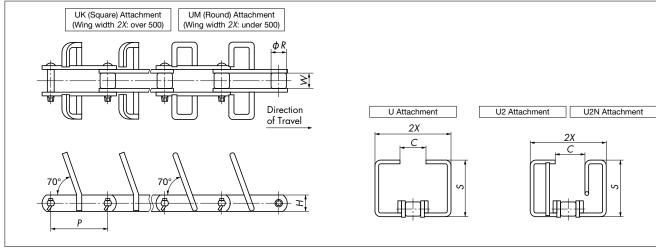
Industry Specific Products





■ FA Series Fly Ash Conveyor Chain (Inclined Conveyance)





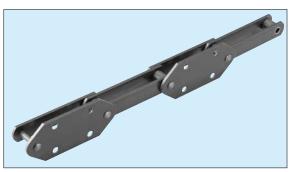
Size and	Nominal	Case Inner Width	Pitch	Roller	Inner Link	Plate	Wing		Attachm	ent	U2(U2	N) Atta	chment	t FA Series			
Roller Type	Size		P	Diameter R	Inner Width	Height H	Width 2X	Height S	С	Mass kg/m	Height S	С	Mass kg/m	Max. Allowable Load kN{kgf}	Min. Tensile Strength kN{kgf}		
RF17200M	41	410	200	44.5	51.4	50.8	390	220	100	27.9	220	100	30.3	55.3{5640}	348{35500}		
RF26200M	41	410	410	410	200	50.8	57.2	63.5	390	220	100	30.9	220	100	33.3	74.3{7580}	464{47500}
RF26200N	41		200	30.6	37.2	03.3	390	220	100	30.9	.9 220	100	33.3	80.6{8220}	551{56000}		
RF36300N	50	500	300	57.2	66.7	76.2	480	260	120	42.5	260	120	44.8	124{12600}	777{103000}		
Kr303UUN	60	600	300		00.7	76.2	580	305	140	47	305	140	48.1	124[12000]	///{103000}		

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Industry Specific Products Cement Industry

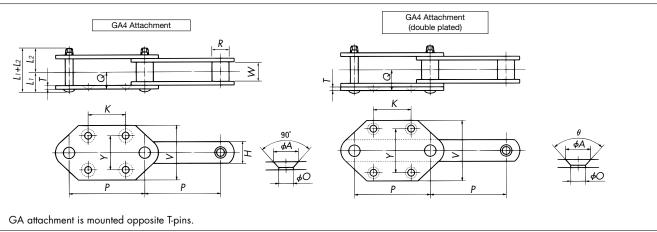


Bucket Elevator Conveyor Chain



Specialty chain with high wear resistance and fatigue strength.

- ♦ Standard Wear Resistant SeriesCT or BT Series
 This chain focuses on highly wear inducing cement, with optimal part material, hardness, and spacing for cement conveyance.



			,												
	Pitch	Roller	Inner Link	Plate		Pin				٨	Лах. Allov	vable Lo	oad		
Size	P		Inner Width	Height	L1+L2	Lı	L ₂	CT	Series	BT S	Series	RT :	Series	YS	eries
		R	W	Н	L1+L2	LI	L2	kN	{kgf}	kN	{kgf}	kN	{kgf}	kN	{kgf}
B10150S	150	29	30	38.1	69	33	36	17.6	{1 <i>7</i> 90}	32.3	{3290}	17.6	{1 <i>7</i> 90}	17.7	{1800}
B12006S	152.4	34.9	37.1	44.5	83.5	40.5	43	26.6	{2710}	39.9	{4060}	24.5	(2700)	26.5	(2700)
B122005	200	34.9	3/.1	44.5	83.5	40.5	43	20.0	{2/10}	39.9	{4000}	26.5	{2700}	26.5	{2700}
B17200S	200	40.1	51.4	50.8	109.5	51.5	58	35.0	{3570}	55.3	{5640}	35.0	{3570}	35.8	{3650}
B17250S	250	40.1	31.4	30.6	109.5	31.3	36	33.0	{3370}	33.3	{3040}	33.0	{33/0}	33.0	{3030}
B26200N	200				117	56									
B26250N	250	50.8	57.2	63.5	117	30	61	42.7	{4350}	80.6	{8220}	42.7	{4350}	43.6	{4450}
B26300N	300				129.5*	68.5*									
B36250N	250				147	69									
B36300N	300	57.2	66.7	76.2	159*	81*	78	64.4	{6570}	127	{13000}	-	_	72.6	{7400}
B36350N	350]			139	01									
B60300N	300				172*	88*									
B60350N	350	70	77	90	1/2	00	84	-	_	149	{15200}	_	_	79.9	{8150}
B60400N	400				177*	93*									
B90350N	350	0.5	88	110	197.5*	102*	95.5			233	{23700}			125	(12750)
B90400N	400	85	08	110	201.5*	106*	75.5	_	_	233	{23/00} 	_	_	123	{12750}
B120400N	400	100	100	130	227.5*	119.5*	108	_	_	316	{32200}	_	_	179	{18250}

Note: *indicates GA4 attachment (double plated) dimensions. The above dimensions are nominal dimensions and may differ from actual dimensions.

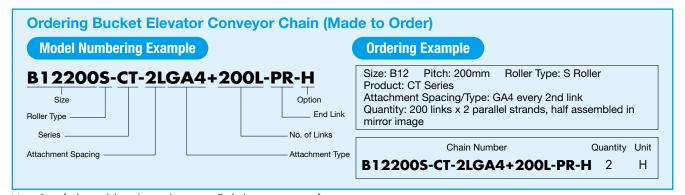
■ GA4 Attachment

Size and Roller Type	Р	V	К	Y	Т	Q	Α	0	θ	Bolt Used	Mass with Attachment Every 2 Links kg/m
B10150S	150	110	75	70	6.3	28.5	26	15	90°	M12	7.5
B12006S	152.4	110	75	70	7.9	35.5	26	15	90°	M12	11
B122005	200	120	100	80	7.7	33.3	20	13	70	M14	10
B17200S	200	120	100	80	9.5	45.5	26	15	90°	M14	14
B17250S	250	150	140	100	9.5	45.5	32	19	90	M16	15
B26200N	200	120	100	80	9.5	48.5	26	15	90°	M14	20
B26250N	250	150	140	100	7.5	40.3	32	19	70	M16	19
B36250N	250	150	140	100	12.7	60	32	19	90°	M16	30

■ GA4 Attachment (Double Plated)

Size and Roller Type	Р	V	К	Y	Т	Q	Α	0	θ	Bolt Used	Mass with Attachment Every 2 Links kg/m
B26300N	300	200	170	140	12	60	38	24	90°	M20	24
B36300N	300	200	170	140	12	72	38	24	90°	M20	33
B36350N	350	240	200	170	12	72	40	28	60°	M24	34
B60300N	300	200	170	140	12	77	38	24	90°	M20	41
B60350N	350	240	200	1 <i>7</i> 0	12	77	40	28	60°	M24	43
B60400N	400	280	230	200	16	81	50	35	60°	M30	46
B90350N	350	240	200	170	12	89.5	40	28	60°	M24	60
B90400N	400	280	230	200	16	93.5	50	35	60°	M30	64
B120400N	400	280	230	200	16	105.5	50	35	60°	M30	85

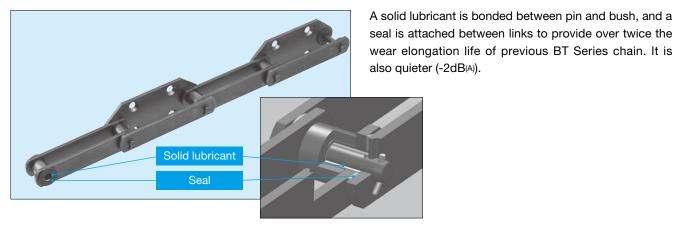
Note: The above dimensions are nominal dimensions and may differ from actual dimensions.



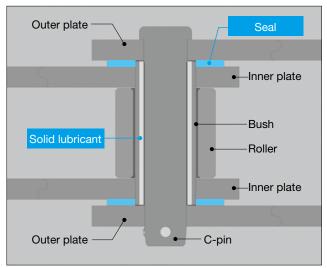
Industry Specific Products Cement Industry

FB Series Conveyor Chain

Series: FB

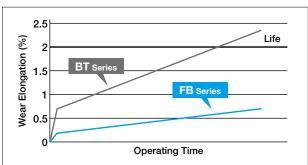


Construction

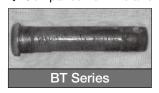


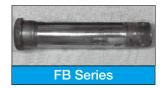
- 1. Solid lubricant ensures lubrication
- 2. Seal structure shuts conveyed material out
- 3. Seal structure retains solid lubricant

Wear Life Comparison



Comparison of Pins after Testing





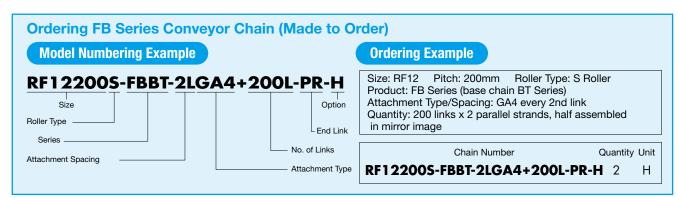
Can reduce conveyor chain wear elongation

(pin-bush wear)

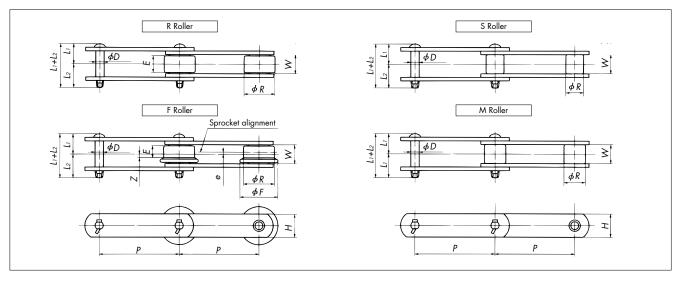
Test results show FB Series has TWICE the life of BT Series

- In-house test comparison
- Results may differ depending on operating conditions

Be aware that FB Series is effective against chain wear elongation, but not against roller play and other forms of bush-roller wear.



Industry Specific Products

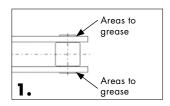


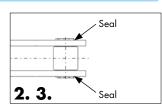
■ Base Chain Dimensions

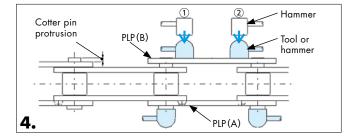
		r																
			ax.		Inner Link	Plate		Pin						Roller				
Size	Roller	Allowak	ole Load	Pitch	Inner	Height				R Ro	oller			F Foller			S Roller	M Roller
3126	Туре	CT Series	BT Series	P	Width	H	L1+L2	Lı	L ₂	Dia.	Contact Face Width	Dia.	Flange Dia.	Contact	Offset	Ζ	Dia.	Dia.
		kN{kgf}	kN{kgf}		W		LI+L2	"	L2	R	E	R	F	E E	е		R	R
RF08125	R/F/S	11.2	14.0	125	05.4	00.7	, , , ,	0.4.5	01.0	44.5	00.0	44.5	55.0	10.0	0.5	, ,	00.0	
RF08150	R/F/S	{1140}	{1430}	150	25.6	28.6	65.5	34.5	31.0	44.5	23.0	44.5	55.0	18.0	2.5	6.5	22.2	_
RF10100	R/S/M			100														
RF10125	R/F/S/M	17.6 {1790}	32.3 {3290}	125	27.6	38.1	69.0	36.0	33.0	50.8	25.0	50.8	65.0	19.0	3.0	6.5	29.0	31.8
RF10150	R/F/S/M	(17 70)	[0270]	150														
RF12200			39.9	200	34.8	44.5	83.5	43.0	40.5	65.0	30.0	65.0	80.0	23.0	4.0	7.5	34.9	38.1
RF12250	R/F/S/M	{2710}	{4060}	250	34.0	44.5	00.5	45.0	40.5	05.0	30.0	05.0	00.0	20.0	4.0	7.5	54.7	30.1
RF17200	R/F/S/M	25.0	55.0	200														
RF17250	R/F/S/M	35.0 {3570}	55.3 {5640}	250	49.2	50.8	109.5	58.0	51.5	80.0	42.0	80.0	100.0	33.0	5.0	11.5	40.1	44.5
RF17300	R/F/S/M	(00, 0)	[66.6]	300														
RF26200	R/S/M			200														
RF26250		44.9	74.3	250	54.9	63.5	116.5	61.0	55.5	100.0	48.0	100.0	125.0	37.0	6.0	12.5	44.5	50.8
RF26300	R/F/S/M	{4570}	{7580}	300	34.9	05.5	110.5	01.0	33.3	100.0	40.0	100.0	123.0	37.0	0.0	12.3	44.3	30.8
RF26450	R/F/S/M			450														

- Note: 1. The W dimension on FB Series differs from other large size conveyor chains. FB Series can be used as is with RF conveyor chain sprockets, but be sure that the plates do not contact the sprocket teeth. Contact a Tsubaki representative regarding connecting FB Series with other chain series.
 - 2. Refer to the relevant product pages for more information on attachment types.
 - 3. Sizes other than those shown above available (including inch pitches). Contact a Tsubaki representative for more information.
 - 4. Be aware that thrust loads on the chain may cause the seal to break and promote wear.
 - 5. Contact a Tsubaki representative regarding use when the operating temperature range is greater than 80°C.

Chain Connection







- 1. Lightly grease around the ends of the bushes (both sides) protruding from the end of the inner link plate on each chain formation.

 Note: Be careful that grease does not get into the inner diameters of the bushes.
- 2. Attach a seal to the protruding areas of the bushes (both sides).
- 3. Insert the outer link into the inner link of the chain you want to connect, taking care that the seal does not fall off or shift.
- 4. Set a tool or hammer against the cotter pin on the T-pin side as shown in the diagram above. Fix the hammer securely on the head of the cotter pin and tap the hammer or tool on the T-pin side with the hammer to press fit the cotter pin into the link pin. Alternate tapping

cotter pins 1 and 2 on both sides of the link. Tap the cotter pins so that they protrude an amount specified in the chart to the right.

Note: Be careful so that the seal does not fall off or shift from the impact of hammering.

5. Insert a T-pin and use a T-pin bending tool to bend the T-pin so that it does not fall out.

Note: A monkey wrench can be used in place of a T-pin bending tool.

Size	Amount of Cotter Pin Protrusion on T-pin Side mm
RF08 / RF10 / RF12	7.5
RF17 / RF26	12.0

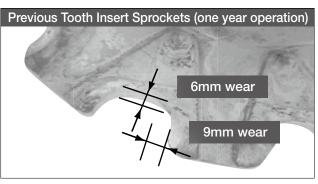
Industry Specific Products Cement Industry

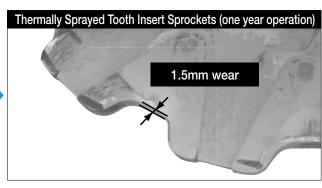
Smart Series Thermally Sprayed Replaceable Tooth Insert Sprockets



Ideal for sprockets used in conveying powders that are subject to severe wear

Thermally sprayed replaceable tooth insert sprockets undergo a special hardening treatment that imparts outstanding wear resistance, thereby dramatically extending wear life. When combined with the FB Series, the service life of bucket elevator chains and sprockets is significantly lengthened.





While normal replaceable tooth insert sprockets suffered on average 6.0 to 9.0mm of wear in one year of operation, thermally sprayed tooth insert sprockets suffered only 1.5mm of wear.

See p51 for Smart Series

Indicator Pins

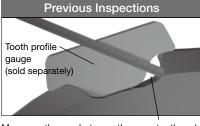


Sprocket tooth wear is usually difficult to judge, but Indicator Pins let you know when to replace your sprockets with just a glance. (Patented)

Ordering Indicator Pins
Ordering Example

RF12250S12T-BW1Q-SRK-E

. — Indicator pins



Measures the gap between the worn tooth and the tooth profile gauge

Inspection Using Indicator Pins



The sprocket has reached its usage limit when tooth wear reaches the indicator pins

Prepare for replacement as wear gets closer

Features

Lets you know when to replace your sprockets with just a glance

- ◆ Greatly reduces inspection time and labor
- Inspections can be done safely
- ◆ No need for tooth profile gauges or other specialty tools

Specifications

Sprocket color : Blue lacquer

Indicator pin: Embedded brass pin

Location: Embedded in two places on both sides

of the sprocket tooth at 0° and 180°. When shaft holes are finished, indicator pins will be embedded in the tooth

above the keyway.

WD Series Drag Chain

Drag chains are solid steel chains with plates and bushes welded together. The leading face of the bush is flat so it can push conveyed material, while the trailing face of the bush is round so it can smoothly engage with the sprocket. It has superior tensile strength, wear resistance, and impact resistance compared to cast iron chains, while the chain pitch is set so as to accurately and reliably engage the sprocket.

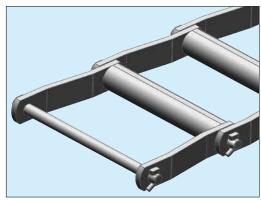
Applications

Cement industry: Clinker conveyance
Papermaking industry: Wood chip conveyance
Power generation industry: Biomass fuel conveyance,

withdrawing coal from silos

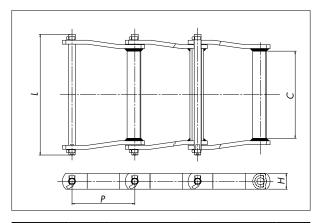
Features

- 1. Both ends of the cotter pin are secured with a T-pin for a simple construction.
- 2. Heavy Duty specs with a higher tensile strength and corrosion resistant specs also available.
- 3. Unique attachments also available (MTO item).





Base Chain



Size	Pitch P	С	Н	Average Tensile Strength kN{kgf}	Pin L1	Approx. Mass kg/m
WD480	203.2	274			390	30
WD122	203.2	212.5	50.8	353 {36000}	328.5	28
WD120	152.4	212.5		,	328.5	33
WD110	152.4	227	38.1	167	312	18
WD102	127	160	30.1	{17000}	245	16.4

Note: 1. Contact a Tsubaki representative regarding sprockets.
2. The above dimensions are nominal dimensions and may differ from actual dimensions.

Attachments



Scrapers

Better ability to scrape up conveyed material. Also useful in preventing chain floating.

Attachment type: SCR



Guide shoes

Minimizes wear from adjacent chains and guide rails.

Attachment type: GS

Note: Consult a Tsubaki representative when mounting attachments.



Note: Specify the model number and contact a Tsubaki representative for a quote.



Conveyor chains that can handle massive items, heavy loads, high speeds, and high temperatures



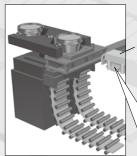
4 Pig Iron Plant

1 2 Stockyard

Blast Furnace

6 Hot Strip Mill

4 Continuous Casting



Tsubaki offers chains that fit the shape of dummy bars.

Dummy bar

Dummy Receiver Chain

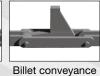


Contact a Tsubaki representative.

6 Hot Rolling



Slab conveyance



for the shape, temperature, and conveyance environment of the conveyed material.

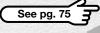
Chains designed

Direct conveyance

Deep Link Conveyor Chain



Block Chain



High Temp. Material (steel mill/hot strip)

Conveyed material exceeds 400°C



Tsubaki offers special conveyor chains for high temperatures using optimal clearances and material to match the conveyed material or temperature.

Contact a Tsubaki representative.

Cold Mill

O Continuous Unloader Chains



Coking Plant

6 Product Yard

A continuous unloader continuously unloads loose material from a ship using a chain with buckets attached. High unloading speeds mean heavy wear, so they use Tsubaki Unloader Chains to minimize wear elongation.

Contact a Tsubaki representative.

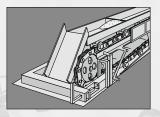
2 Scraper Reclaimers



A chain used on reclaimers, which continually scrape stockpiled aggregate to supply to the next process. Heavy loads act on the chain, which can cause premature roller wear. Reclaimer chains are specially designed for use with various materials and in various conditions.

Contact a Tsubaki representative.

Sintered Ore Pan Conveyors



A large, specially shaped conveyor chain used to convey high temperature materials. Available in various types to meet the needs of conveyed materials or corrosive environments.

Contact a Tsubaki representative.

Ambient Temperature (Steelmaking, hot strip mill)

Conveying billets, coils, and other heavy loads

Bearing Roller Conveyor Chain

See pg. 111

Premature roller wear from billet and steel rod onveyance Advanced DTA Series

ATA Series

Short conveyors

Heavy loads/ long lengths

6 Coil Transfer



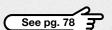
Uses cylindrical bearings between rollers and bushes to minimize running resistance. This allows it to convey heavy loads.





Saddles designed to fit the shape of the conveyed material.

Coil Transfer Conveyor Chain





Block Chain

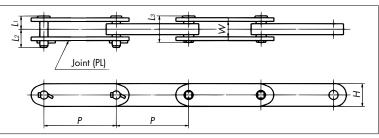


Simple, Yet Tough

This chain, consisting of two outer plates, one or two inner plates, and pins, offers structurally superior rigidity with the largest tensile strength by chain mass for toughness. The main parts use tempered steel for outstanding wear and heat resistance. Dogs are attached as per the diagrams below.

Applications

- 1. Shuttle traction
- 2. Conveying high temperature items (loaded directly on chain)
- Please use an outer plate support to reduce inner chain tension on the sprocket.



	Pitch	Link		Pin		Outer Link	Approx.	Min. Tei	nsile Strength
Size	P	Height H	Lı	L ₂	Lз	Inner Width	Mass kg/m	kN	{kgf}
NF30150	150	20.1	045	32	40	22.2	7.0	2/2	(07000)
NF30200	200	38.1	24.5	32	49	23.3	6.6	263	{27000}
NF40150	150	44.5	25.5	33.5	52	26.5	9.0	337	{34500}
NF40200	200	44.5	23.3	33.3	52	20.5	8.5	337	{34300}
NF56200	200	- 54	29.5	40.5	60	29.5	12.3	471	{48000}
NF56250	250	54	27.3	40.5	00	27.5	12.0	4/ 1	(40000)
NF63200	200	57	30.5	41.5	62	31.5	13.7	525	{53500}
NF63250	250	37	30.3	41.5	02	31.3	13.0	323	(22200)
NF70200	200	63.5	31.5	42.5	64	33.5	16.2	613	{62500}
NF70250	250	00.5	01.5	72.5		00.5	15.5	010	[02300]
NF90200	200	72	34.5	45.5	70	38	21.0	771	{78500}
NF90250	250	, <u>-</u>	00	.0.0	, ,		20.0	,,,	(, 0000)
NF115250	250	76.2	38	49	77	40	25.0	952	{97000}
NF115300	300	, 0.2	-	.,			24.0	, , , ,	(// 555)
NF140250	250	85	44	54	88	47.5	32.0	1190	{121500}
NF140300	300		• •				31.0		(.2.000)
NF180300	300	95	48.5	58.5	97	52.5	39.0	1480	{151000}
NF180350	350						37.8		(,
NF210300	300	110	51.5	61.5	103	59	50.0	1830	{186500}
NF210350	350						48.3		(,
NF250300	300	112	58.5	68.5	117	66	58.8	2070	{211000}
NF250350	350						56.7		,
NF280300	300	122	58.5	68.5	117	67	66.0	2310	{235000}
NF280350	350						62.3		,

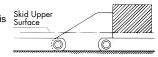
Note: 1. Contact a Tsubaki representative regarding delivery.

2. The above dimensions are nominal dimensions and may differ from actual dimensions.

There are many types of dogs, but the following outlines some of the most common ones.

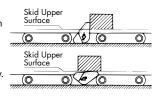
1. Fixed Dog

The inner or outer plate is heightened to push conveyed items



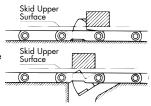
2. Tilting Dog

Conveyed items in front are pushed along as with the fixed dog, but when items come from behind the dog tilts forward to allow the item to pass by. Once the item has passed, the dog automatically returns to its former position.



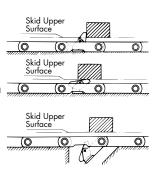
3. Ducking Dog

This dog conveys items traveling on the guide rail, but when there is a break in the guide rail the dog ducks and the conveyed item is lowered as is.



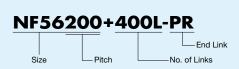
4. Tilting Ducking Dog

This dog combines both the functions of tilting and ducking dogs. Conveyed items running on the guide rail are pushed along, while items coming from behind are allowed to pass. When there is a break in the guide rail the conveyed item is lowered



Ordering Block Chain (Made to Order)

Model Numbering Example



Ordering Example

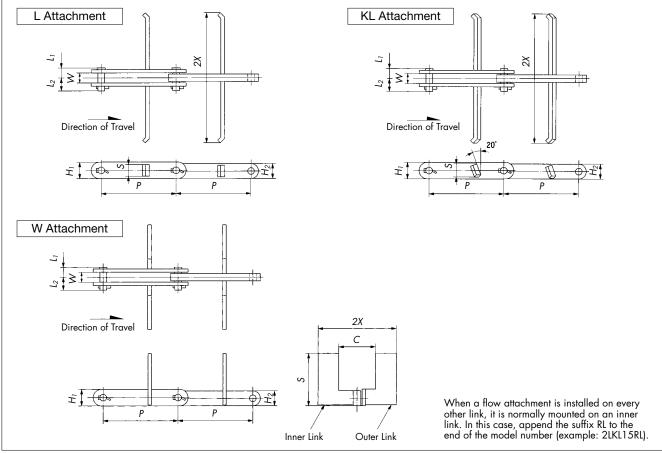
Size: NF56 Pitch: 200mm Quantity: 400 links Chain Number Quantity Unit NF56200+400L-PR Н

Industry Specific Products

Block Chain for Flow Conveyors

Block Chain for Flow Conveyors consists of two outer plates, one inner plate, and pins, with one of various attachments for flow conveyors added. Special alloy steel gives the chain toughness, and its high allowable wear makes it perfect for conveying highly abrasive items, relatively damp items, and high temperature items.

♦ Please use an outer plate support to reduce inner chain tension on the sprocket.



		Link H	leight	Pin Le	ength	Outer Plate		14: T :1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	L Atte	achment	KL At	tachment	W	' Attac	hment	Case
Size	Pitch P	Hı	H ₂	Lı	L ₂	Inner Width W	Approx. Mass {kg/m}	Min. Tensile Strength kN{kgf}	Wing Width 2X	Height S	Additional Mass/Each (kg)	Height S	Additional Mass/Each (kg)	Height S	С	Additional Mass/Each (kg)	Inner Width (mm)
									135		0.18		0.18	80	60	0.33	150
NFX30150	150						7.9		185		0.26		0.26	115	85	0.68	200
		44.5	38.1	24.5	32	23.3		263{27000}	250	,	0.36	,	0.36	140	105	1.12	270
NFX30200	200						7.6		330	Contact a Tsubaki	0.74	Contact a Tsubaki	0.74	185	130	2.94	350
									430	representative	0.98	representative	0.98	230	135	5.14	450
NFX56200	200						14.7		390		1.3		1.3	233	100	5.0	410
		63.5	54.0	29.5	40.5	29.5		471{48000}	430		1.44		1.44	230	135	5.2	450
NFX56250	250						14.5		560		1.92		1.92	290	160	8.6	580

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.





Deep Link Conveyor Chain (Direct Conveyance)

Series: DL



Wide link plates and R rollers with low frictional resistance are added to a base conveyor chain to allow for direct conveyance on the chain links.

- 1. Tsubaki also manufactures Deep Link Conveyor Chain with R rollers from Bearing Roller Conveyor Chains. These rollers will give the chain a low coefficient of friction and a higher roller allowable load, allowing users to go down two chain sizes. (It will be necessary to check allowable tension.)
- Tsubaki can also manufacture Deep Link Conveyor Chains with top plates.
- 3. Tsubaki can manufacture Deep Link Chains to any specification.

Applications

- 1. Sheet or shaped steel conveyor lines at steelworks.
- 2. Automotive assembly lines, container assembly lines, etc.

Size, Roller Type,	Pitch	Ro	ller	Inner Link	Chain		Plate		Pi	in	Approx.		r Allowable N{kgf}/eac		Max Allow kN{	vable Load kgf}
Series	P	Dia. R	Contact Width E	Width	Height H	Hı	H2	Thickness T	Lı	L2	Mass kg/m	DT Series	AT Series	Bearing Roller	DT Series	AT** Series
RF03075R-DL	75	31.8	15.5	16.1	36.9	21	4.9	3.2	18	20	3.2	0.54{55}	0.88{90}	1.96{200}	4.20{430}	9.95{1010}
RF03100R-DL	100	31.0	15.5	10.1	30.7	21	4.7	3.2	10	20	2.8	0.54(55)	0.00{70}	1.70{200}	4.20(430)	7.73{1010}
RF05100R-DL	100	40	19	22	44	24	4	4.5	25	28.5	5.9	1.03{105}	1.72{175}	3.04{310}	9.80{1000}	20 2(2070)
RF05150R-DL	150	40	19	22	44	24	4	4.5	23	20.3	4.9	1.03{103}	1./2{1/3}	3.04(310)	9.00{1000}	20.3{2070}
RF08150R-DL	150	44.5	24	27	50.3	28	8	6.3	31	34.5	7.0	1.27{130}	2.11{215}	4.12{420}	11.2{1110}	20.3{2070}
RF10150R-DL	150	50.8	27	30	57.4	32	6.4	6.3	33	36	9.7	1 77(100)	3 04(300)	5.49{560}	17.6{1790}	33 3(3300)
RF10200R-DL	200	30.8	2/	30	37.4	32	0.4	0.3	33	30	8.5	1.77{180}	2.94{300}	3.49{300}	17.0{1790}	32.3{3290}
RF6205R-DL	152.4	57.2	32	37.1	63.6	35	6.1	7.9	40.5	43	14.0	2.50{255}	4.17{425}	-	26.6{2710}	39.9{4060}
RF12200R-DL	200	65	32	37.1	73.5	41	10	7.9	40.5	43	14.9	0 50(055)	4 17(405)	0.24(050)	04 4(0710)	20.0(4040)
RF12250R-DL	250	05	32	3/.1	/3.5	41	10	7.9	40.5	43	13.5	2.50{255}	4.17{425}	8.34{850}	26.6{2710}	39.9{4060}
RF17250R-DL	250	80	44	51.4	90	50	13.8	9.5	<i></i>	58	22.5	4.00(410)	/ /7(/00)	14 1(1440)	25 0(2570)	EE 0(E/ 40)
RF17300R-DL	300	80	44	31.4	90	30	13.0	9.5	51.5	36	21.5	4.02{410}	6.67{680}	14.1{1440}	35.0{3570}	55.3{5640}
RF26300R-DL	300	85*	50	57.2	95.5	53	10.5	9.5	55.5	61	24.3	5.30{540}	8.83{900}	16.7{1700}	44.9{4570}	74.3{7580}
RF36300R-DL	300	100*	56	66.7	112	62	12	10.7	68	78	39.0	7 (5(7(0)	10 4(1040)	22 0(22 40)	40.0(4020)	07.4(0020)
RF36400R-DL	400	100	30	00./	112	02	12	12.7	Oğ	/ 8	34.2	7.45{760}	12.4{1260}	22.0{2240}	68.0{6930}	97.4{9930}
RF52450R-DL	450	110*	65	77	125	70	17	16	82	90	46.0	9.81{1000}	16.6{1690}	-	71.4{7280}	147{15000}

Note: 1. Enter conveyor chain series in the blank . . Contact a Tsubaki representative regarding delivery

- 2. Roller diameters marked with are different from RF conveyor chain diameters and require a special sprocket.

 3. Refer to page 114 for the maximum allowable loads of AT Series bearing roller conveyor chain (marked with ** above).

4. The above dimensions are nominal dimensions and may differ from actual dimensions.

Ordering Deep Link Conveyor Chain (Made to Order)

Model Numbering Example

RF12200R-DLDT+400L-PR

No. of Links End Link Size Roller Type Chain Specs

DLDT: Deep Link DT Series DLAT: Deep Link AT Series DLDTA: Deep Link DTA Series DLATA: Deep Link ATA Series

Ordering Example

Size: RF12 Pitch: 200mm Roller Type: R Roller Chain Specs: Deep Link conveyor chain (base chain DT Series) Quantity: 400 links

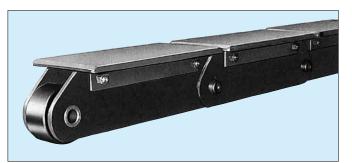
Chain Number

Unit Quantity Η

RF12200R-DLDT+400L-PR

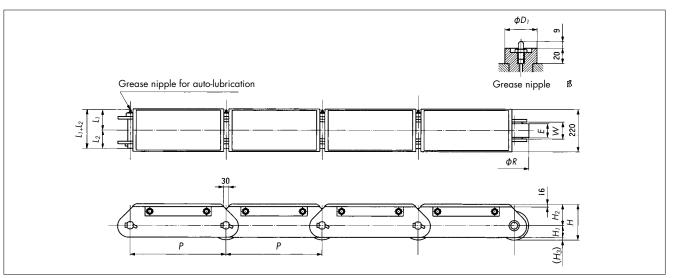
Industry Specific Products

Coil Transfer Conveyor Chain (For Low Friction/Heavy Load Applications)



This extremely rigid reinforced chain is used for conveying especially heavy objects, such as containers, steel structures, and cold/hot coils and slabs at steelworks.

- 1. Uses Tsubaki's unique bearing system of cylindrical bearings between the roller and bush.
- 2. This solid chain has low running resistance (coefficient of friction: 0.03), and the top plate can be easily attached or removed, making maintenance a snap.
- 3. Rollers are designed with extremely high fracture resistance.



	D: I	Ro	ller	Inner Link		Chain	Height			Р	in		Approx.	Max. Allowable	Roller
Size	Pitch P	Dia. <i>R</i>	Contact Width	Inner Width	Н	Hı	H ₂	Нз	Head Dia. D1	L1+L2	Lı	L2	Mass (kg/m)	Load Tension kN{kgf}	Allowable Load kN{kgf/each}
CT60300	300												90		22.4
CT60400	400	125	60	65	1 <i>7</i> 1	42.5	108.5	20	36	165	88	77	82	83.3 {8500}	29.4 {3000}
CT60500	500												78	[0000]	locool
СТ90300	300												99	107	05.0
CT90400	400	135	65	<i>7</i> 9	182.5	54	115	13.5	36	179	95	84	91	126 {12800}	35.3 {3600}
CT90500	500												87	(12000)	[0000]
CT130300	300												123	101	40.0
CT130400	400	150	70	84	195	61	120	14	46	197	104	93	112	181 {18500}	42.2 {4300}
CT130500	500												105	[10000]	[4000]
CT160400	400												135	00.4	55.0
CT160500	500	1 <i>75</i>	80	91	227	69	139.5	18.5	46	205	108	97	126	224 {22800}	55.9 {5700}
CT160600	600												118	(22000)	[5, 66]
СТ200600	600	180	90	102.6	225	76	135	14	50	229	119	110	141	279 {28500}	64.7 {6600}

- Note: 1. Contact a Tsubaki representative regarding delivery.
 2. Roller allowable load values are when rail tensile strength is 400N/mm²{41kgf/mm²}.
 3. Top plate widths over 220 available upon request. Contact a Tsubaki representative for more information.
 4. The above dimensions are nominal dimensions and may differ from actual dimensions.

Ordering Coil Transfer Conveyor Chain (Made to Order)

Model Numbering Example

CT90300+400L-PR

Pitch No. of Links End Link

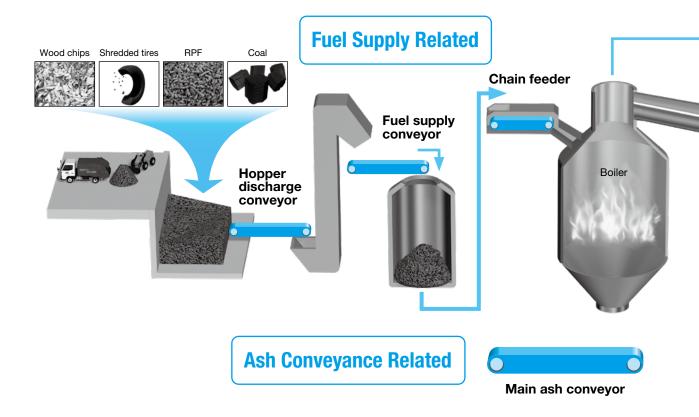
Ordering Example

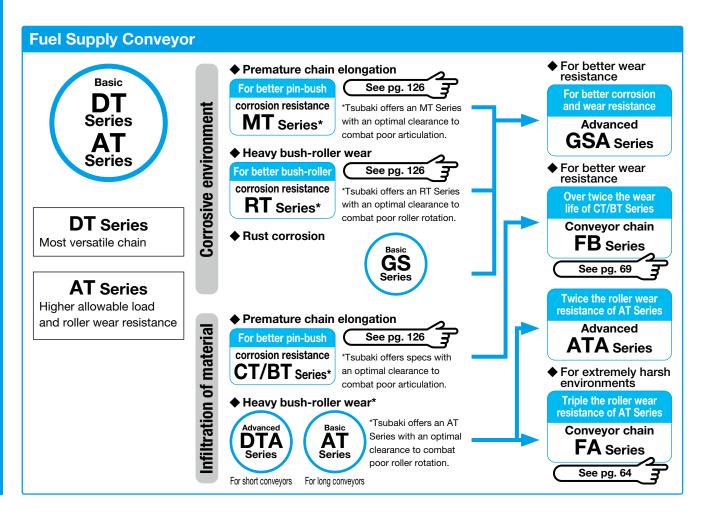
Size: CT90 Pitch: 300mm Quantity: 400 links

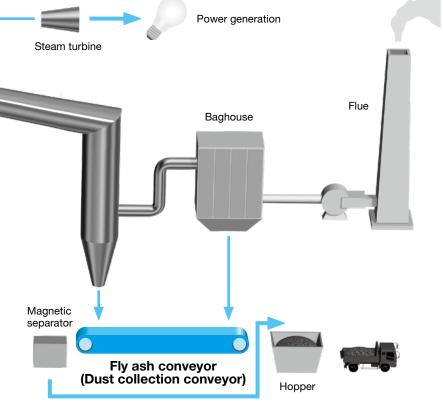
> Chain Number Quantity Unit 1 Н CT90300+400L-PR

Industry Specific Products Biomass Power Generation Facilities

Conveyor chains for even the harshest biomass power generation processes





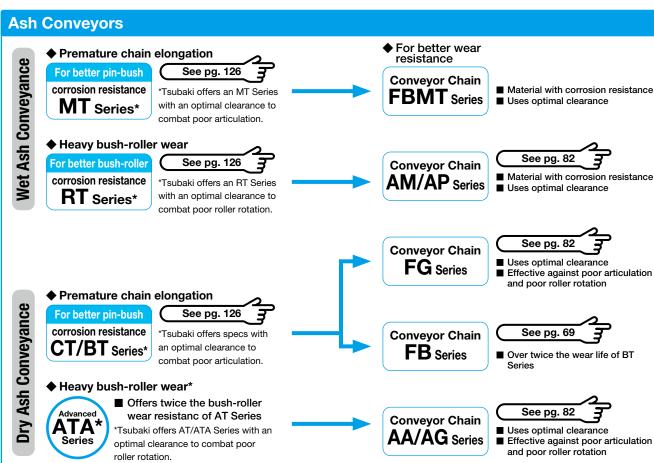


Wood Chip Conveyance



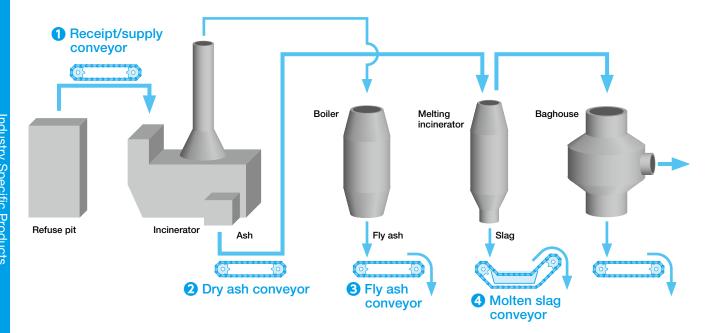
♦ WD Series Drag Chain

Conveys by pushing material with the leading face of the bush. Very effective in wood chip conveyance. Chains with better corrosion and wear resistance through a combination of materials and heat treatment are also available. Contact a Tsubaki representative for details.



The optimal conveyor chain for the harsh conditions facing each process

Industry Specific Products Waste Disposal Facilities



1 Receipt/Supply Conveyor

The first line to convey the collected waste. The received waste can cause impacts and high loads on the chain here.

For receipt/supply conveyors
KG/KA Series



◆ Conveyed material: Collected waste

2 Ash Conveyor

This line conveys ash from the incinerator. In some instances, ash that has been cooled by being dropped in water is also onveyed.

For dry ash conveyance



◆ Conveyed material: Incinerator ash

For wet ash conveyance
AM/AP Series



Conveyed material: Incinerator ash (wet)

3 Fly Ash Conveyor

This line conveys the fly ash that has been created by the incinerator, boiler, etc. The chain is completely enveloped in fly ash here. Chemically treated fly ash is also sometimes conveyed here.

For general fly ash conveyors

FG Series



Conveyed material: Fly ash

For corrosive fly ash conveyance

FP Series



Conveyed material:
 Fly ash directly after treatment

4 Molten Slag Conveyor

This line conveys the slag produced by the melting incinerator. The slag will sometimes turn the cooling water into a strong alkaline or acid.

For molten slag conveyors

YP Series

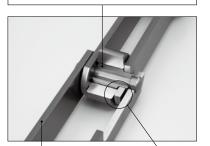


Conveyed material: Molten slag

Industry Specific Products

Conveyor Chains for Waste Incineration

Shoulder bush for wear resistance



Optimal materials for corrosion resistance

Optimal clearance for good articulation

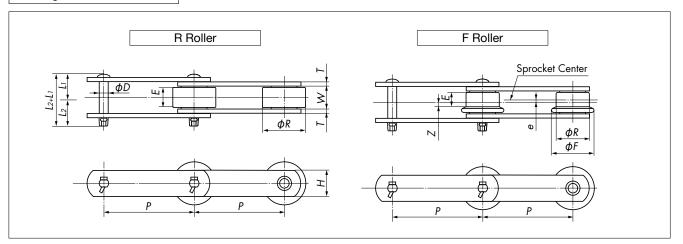
■ Waste Treatment Chain Series

				Feature	es Required	for Each F	rocess
Conveyor Type		Chain	Series	Wear Resistance	Corrosion Resistance	Good Articulation	Good Roller Rotation
Intake/feed conveyo	r	KG	KA	0		0	0
	Dry	AG	AA	0		0	0
Bottom ash conveyor	Wet	Α	M		0	0	0
	vvei	A	ι P		0	0	0
Elizanta annunum	Normal	F	G	0		0	0
Fly ash conveyor	Corrosive	F	Р		0	0	0
Slag conveyor		Y	'P	0	0	0	0

- Legend ©:Ideal O:Suitable

 Each series has features suited to the different waste treatment processes.

 KA and AA Series are stronger versions of the KG, AG, and AM Series.



■ Chain Dimensions

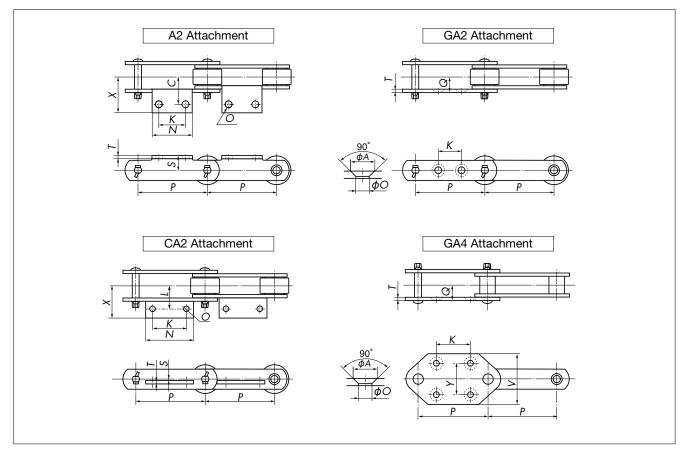
	Roller	Pitch			R	oller Typ	oe .			Inner	Plate		Pin		Max.	Allowable KN{kgf}	e Load
Size	Туре	P	R Ro	oller			F Roller			Width W	Width H				KG FG	KA	AP _{YP}
			R	Ε	R	F	Ε	е	Ζ	''		L1+L2	Lı	L2	AG AM	AA	FP ''
RF03075	R/F	75	31.8	14.5	31.8	42	11	1.8	3.8	15.1	22	38	18	20	4.20	9.95	5.40
RF03100	R/F	100	31.0	14.5	31.0	42	''	1.0	3.0	15.1	22	36	10	20	{430}	{1010}	{550}
RF05100	R/F	100													0.00	00.0	10.0
RF05125	R/F	125	40	19	40	50	14	2.5	4.5	21	32	53.5	25	28.5	9.80	20.3 {2070}	10.8 {1100}
RF05150	R/F	150													(1000)	(20/0)	[1100]
RF10100	R	100													17.	00.0	177
RF10125	R/F	125	50.8	25	50.8	65	19	3	6.5	28	38.1	69	33	36	17.6 {1 <i>7</i> 90}	32.3 {3290}	1 <i>7.7</i> {1800}
RF10150	R/F	150													(17 70)	[02/0]	[1000]
RF12200	R/F	200	65	32	65	80	24	4	8	35.1	44.5	83.5	40.5	43	26.6	39.9	26.5
RF12250	R/F	250	03	32	03	80	24	4	0	33.1	44.5	63.3	40.5	43	{2710}	{4060}	{2700}
RF17200	R/F	200	80	44	80	100	34	.5	12	49.4	50.8	109.5	51.5	58	35.0	55.3	35.8
RF17250	R/F	250	80	44	00	100	34	ر	12	49.4	30.8	109.5	31.3	28	{3570}	{5640}	{3650}
RF26250	R/F	250	100	50	100	125	38	6	13	55.2	63.5	116.5	55.5	61	44.9	74.3	46.1
RF26300	R/F	300	100	50	100	123	38	0	13	33.2	03.3	110.5	55.5	01	{{4570}	{7580}	{4700}

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

Industry Specific Products Waste Disposal Facilities



Conveyor Chains for Waste Incineration



■ Attachment Dimensions

Size	Roller	Attachment Thickness		At	A2 tachme	ent			At	CA2 tachme	ent		A2 CA2	GA2	At	GA4 tachme	ent		GA2 GA4	
	Туре	Т	С	Χ	K	N	S	С	X	Κ	Ν	S	0	K	V	Υ	K	Α	0	Q
RF03075	R/F	3.2	30	46	30	55	20	35	46	30	55	0	10	30	_	_	_	13.5	8	15.5
RF03100	R/F	3.2	30	40	40	65	20	33	40	40	65	U	10	50	_	_	_	13.5	0	13.3
RF05100	R/F				40	65				40	65			40	_	_	_			
RF05125	R/F	4.5	35	47	50	75	22	40	52	50	75	3	10	50	_	_	_	15	10	21
RF05150	R/F	1			60	85				60	85			60	_	_	_			
RF10100	R				40	70				40	70			30	_	_	_			
RF10125	R/F	6.3	50	67	50	80	28	50	65	50	80	4	12	40	_	_	_	20	12	28.5
RF10150	R/F				60	90				60	90			60	110	70	<i>7</i> 5			
RF12200	R/F	7.9	60	79	80	120	38	60	79	80	120	5	15	80	110	70	100	26	15	35.5
RF12250	R/F	7.7	00	/ 7	125	170	30	00	/ 7	125	165	J	13	125	_	_	_	20	13	33.3
RF17200	R/F	9.5	75	100	80	120	45	75	98	80	120	6	15	70	120	80	100	26	15	45.5
RF17250	R/F	7.5	, 5	100	125	170	43	/ 3	/0	125	165		13	110	150	100	140	20	13	45.5
RF26250	R/F	9.5	80	108	125	170	55	80	105	125	165	6	15	_	150	100	140	26	15	48.5
RF26300	R/F	7.5	00	100	180	220	55	00	103	180	220	J	13	140	150	100	180	20	13	40.5

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.



Industry Specific Products

Industry Specific Products Food Industry

Conveyor chains that satisfy various food industry needs

Grains and Feed

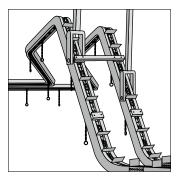


Flow Conveyor Chain for Grains

Flow Conveyor Chains are designed not to crush the grains during conveyance or to leave any grains behind in the

See pg. 85

Meat

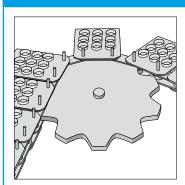


3D Overhead **Conveyor Chain for** Meat

Specially designed chain to accommodate 3D layouts. Driven by sprockets with special tooth profiles.

Contact a Tsubaki representative.

Frozen Treats / Ice Cream

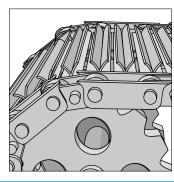


Cold Resistant Chain

Chain designed to minimize wear elongation down to -30°C. Circulates in freezers in a spiral fashion.

Contact a Tsubaki representative.

Food



Sterilizer Chain

Chain designed to resist stress corrosion cracking and wear elongation in steam, cold water, and harsh atmospheres on long length conveyors. They have minimal differences when used in parallel as a set.

> Contact a Tsubaki representative.

Bread Making

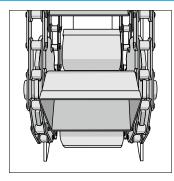


Tunnel Oven Conveyor Chain

Chain with excellent wear performance between bushes and rollers for use on long length, low speed conveyors at 200°C.

Contact a Tsubaki representative.

Sugar Refining



Bucket Elevator Chain for Refined Sugar Conveyance

Bucket Elevator Conveyor Chain that minimizes rusting and metallic debris from wear. Uses clean specifications to minimize chain grime.

See pg. 170

Beverages



Conveyor Chain for Bottle Washers

Chain designed to minimize wear from detergents and contact with water. Customers have praised our combination of materials and heat treatments to match their usage environment.

> Contact a Tsubaki representative.

Food Packaging



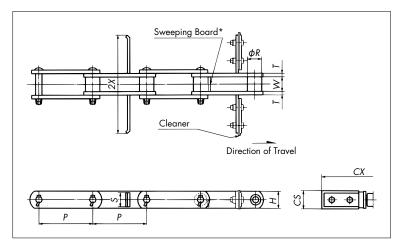
Lambda Plastic Roller Conveyor Chain for Food Packaging Conveyors

Conveyor chain that can be used without additional lubrication. Helps maintain a clean work environment.

See pg. 86



Flow Conveyor Chain for Grain



These chains are specially designed for grain conveying horizontal flow conveyors (incline/decline gradient less than 10°).

The sweeping board prevents material on the rail from being crushed, while the cleaner prevents grain from remaining in the case.

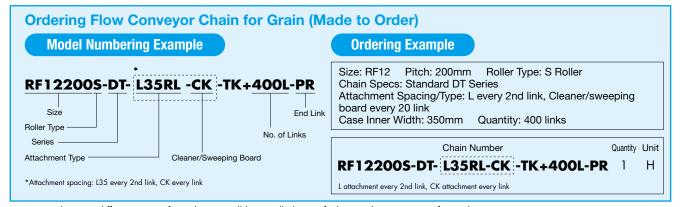
Cleaner attachment spacing is every 6m.

Attachments are normally spaced every two links.

* Sweeping boards are not attached for forward and reverse operation.

Size and	Case Inner	Pitch	Roller	Inner Link Inner	Plate	Attacl	nment	Cled	aner	Approx.	DT S	Series	
Roller Type	Width	P	Diameter R	Width W	Height <i>H</i>	Wing Width 2X	Height S	Width CX	Height CS	Mass kg/m	Max. Allowable Load kN{kgf}	Min. Tensile Strength kN{kgf}	
RF03075S	110	75	15.9	16.1	22.0	95	20	105	28	2.1	4.20{430}	32.4{3300}	
RF430S	150	101.6	20.1	22.6	25.4	135	22	145	32	3.4	7.70{790}	49.7{5100}	
RF450S	150	101.6	22.2	27.0	28.6	135	25	145	34	5.0	11.2{1140}	74.6{7600}	
RF08125S	200	125	22.2	27.0	28.6	185	25	195	34	5.0	11.2{1140}	74.6{7600}}	
RF10125S	200	125				185		195		6.8			
KF101233	240	123	29	20.0	38.1	225	31.8	235	47	7.3	17.6{1790}	107(11000)	
DE101500	270	150	29	30.0		250	31.0	265	4/	6.9	17.0{1790}	107{11000}	
RF10150S	320	150				300		315		7.2			
RF6205S	270	152.4	34.9	37.1	44.5	250	38.1	265	53	10.5	26.6{2710}	160{16500}	
RF12200S	350	200	34.9	3 <i>7</i> .1	44.5	330	40	345	53	10.3	26.6{2710}	160{16500}	
RF17200S	350	200	40.1	51.4	50.8	330	16	345	58	14.0	25.0(2570)	212(22000)	
KF 17 2003	450	200	40.1	31.4	50.8	430	46	445	38	16.0	35.0{3570}	213{22000}	
RF26200S	450	200	44.5	57.2	63.5	430	58	445	68	21.0	44.9{4570}	285{29000}	

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.



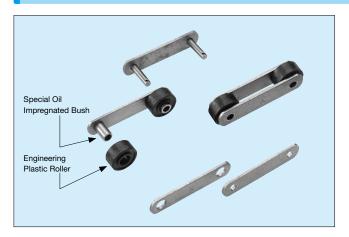
Note: 1. When two different types of attachments will be installed, specify the attachment spacing for each.

ndustry Specific Products

Unit: kN{kgf}

Lambda Plastic Roller Conveyor Chain

Series: LMC



1. Lube-free, long life

Wear life between pin-bush and bush-roller is seven times that of DT Series while being lube-free.

Low noise

5-7db quieter than steel rollers. No grating sound when rollers

3. Low running resistance

55% lower than steel rollers. (Unlubricated)

Suppresses generation of metal wear dust.

Lightweight

30% lighter than steel rollers.

Compatible

Dimensionally compatible with conveyor chains.

Users can switch to Lambda Plastic Roller Conveyor Chain with no additional changes.

(It is necessary to check strength and other factors.)

Specifications

	Materi	al	Usage	Roller Rotational	Chain Speed	Sprocket	
Roller	Roller Bush Other Parts		Temp.	Coefficient of Friction	Speed	Sprocker	
Engineering Plastic	Special Oil Impregnated Bush	Steel	0°C to 50°C	0.07 (lube-free)	25m/min or less	RF Standard Sprocket	

Note: 1. Link plates are black-coated carbon steel.

Roller coefficient of friction values assume a low dust, room temperature, indoor environment.

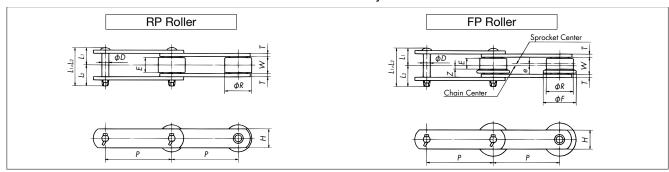
Max. Allowable Load

Sprocket Teeth No.	(6		7		8	Ç	7	10	
Chain Size	kN	{kgf}								
RF03075-LMC	1.47	{150}	1.86	{190}	1.06	{200}	1.06	เวดดา	1.06	เวดดา
RF03100-LMC	1.86	{190}	1.96	{200}	1.70	{200}	1.90	{200}	1.70	1200}
RF05100-LMC	2.65	{270}	3.33	{340}	4.21	{430}				
RF05125-LMC	3.74	{380}	4.71	{480}	5 20	{530}	5.20	{530}	5.20	{530}
RF05150-LMC	4.90	{500}	5.20	{530}	3.20	{530}				

Note: 1. R roller max. allowable tension values shown above are for chain speeds under 25m/min.

- 2. F rollers have 70% of the above values.
 3. Refer to selection pages for chain tension calculations.

■ Dimensions Base chain and attachments are the same as RF Conveyor Chain.



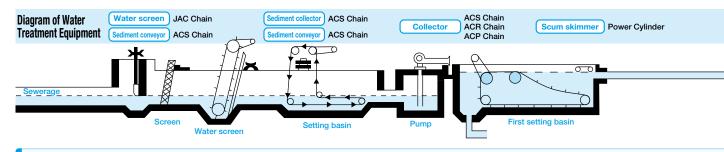
	Pitch	RP R	toller		i	P Rolle	r		Inner Link	Plate		Pin		Roller Al Load	llowable (each)	Annroy	Attachment
Size	P	Dia. R	Contact Width E	Dia. <i>R</i>	Flange Dia. F	Flange Dia. F	Off- center e	Z	Inner Width W	Height <i>H</i>	L1+L2	Lı	L2	kΝ	{kgf}	Mass kg/m	Туре
RF03075-LMC	75	31.8	15.5	31.8	42	12	1.8	4.3	16.1	22	38	18	20	0.49	{50}	1.9	Α
RF03100-LMC	100	31.0	13.3	31.0	42	12	1.0	4.3	10.1	22	30	10	20	0.49	{30}	1. <i>7</i>	K
RF05100-LMC	100															3.6	SA
RF05125-LMC	125	40	19	40	50	14	2.5	4.5	22	32	53.5	25	28.5	0.83	{85}	3.4	SK
RF05150-LMC	150															3.2	G

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.



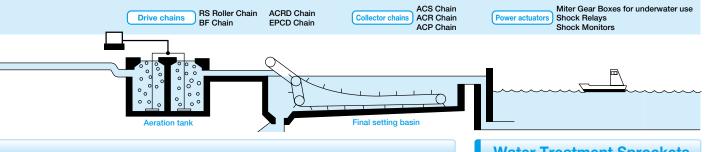
Ind

Industry Specific Products Water Treatment Plants



Water Treatment Conveyor Chain

Application	Chain Type	Series	Material	Size	Attachment Type	kN{kgf} (avg. fracture strength)	Min. Tensile Strength kN{kgf} (guaranteed fracture strength)	
	ACP		Engineering plantin	ACP04152		39.2 { 4000}	35.3 { 3600}	
	ACF	_	Engineering plastic	ACP04152P	1	29.4 { 3000}	24.5 { 2500}	
				ACR810	SF4	98.1 {10000}	88.3 { 9000}	
Collector	A CD		SUS400 series	ACR815	◆ Attachment hole- related dimensions	147 {15000}	132 {13500}	
	ACP (with rollers)	_	SUS400 series	ACR816	can be changed.	157 {16000}	142 {14500}	
	(willi foliers)			ACR819	cun be changed.	186 {19000}	172 {17500}	
		SS	SUS300 series	ACR810SS		58.8 { 6000}	52.9 { 5400}	
				ACS13078W				
				ACS13103W		132 {13500}	123 {12500}	
0 1:				ACS13152W	SF4			
Sediment	ACS		SUS 400 :	ACS15152W	LA1	147 {15000}	137 {14000}	
collectors and conveyors	(bushed)	_	SUS400 series	ACS19152W	Extended pin	186 {19000}	172 {17500}	
Conveyors				ACS19152WT	◆ LA1 uses alloy steel.	186 {19000}	172 {17500}	
				ACS25152W		245 {25000}	226 {23000}	
				ACS35152W		343 {35000}	314 {32000}	
				JAC08152□-NVJ		147 {15000}	127 {13000}	
				JAC10152□-NVJ		216 {22000}	196 {20000}	
		NVJ	Pin/bush: SUS400 series	JAC6205□-NVJ		275 {28000}	250 {25500}	
		. 1173	Roller/plate: Alloy steel	JAC21152□-NVJ		382 {39000}	343 {35000}	
				JAC26152 NVJ	-	510 {52000}	461 {47000}	
				JAC08152□-PJ		142 {14500}	132 {13500}	
				JAC10152□-PJ		167 {17000}	152 {15500}	
				JAC10152 - PJH		186 {19000}	172 {17500}	
		PJ	SUS400 series	JAC6205 -PJ		235 {24000}	216 {22000}	
		(PJH)	303400 series	JAC6205 PJH		265 {27000}	245 {25000}	
				JAC6205PJH	-	353 {36000}	324 {33000}	
				JAC26152□-PJ	Υ	490 {50000}	451 {46000}	
				JAC10152F-PJW	A2T1 (type 1)	167 {17000}	152 {15500}	
	14.0	DIVA		JAC10152F-PJWH	A2T2 (type 2)	186 {19000}	172 {17500}	
Water screens	JAC (with rollers)	PJW (PJWH)	SUS400 series		Attachments can be	235 {24000}	216 {22000}	
	(willi foliers)	(ГЈ V V Г Т)		JAC6205F-PJWH	alloy steel or	265 {27000}	245 {25000}	
					SUS400/300 stainless	68.6 { 7000}	58.8 { 6000}	
				JAC08152 SJ	steel.		` '	
		CI	cucano :	JAC10152 SJ		108 {11000}	,	
		SJ	SUS300 series	JAC6205 SJ		132 {13500}	113 {11500}	
				JAC21152□-SJ		186 {19000}	157 {16000}	
				JAC26152 SJ		250 {25500}	211 {21500}	
				JAC10152F-SJW		108 {11000}	93.2 { 9500}	
		SJW	SUS300 series	JAC6205F-SJW		132 {13500}	113 {11500}	
				JAC21152F-SJW		186 {19000}	157 {16000}	
				JAC26152F-SJW		250 {25500}	211 {21500}	
			F roller: Plastic	JAC10152FP-SJW		108 {11000}	93.2 { 9500}	
		SJW	Pin/bush/plate:	JAC6205FP-SJW		132 {13500}	113 {11500}	
			SUS300 series	JAC21152FP-SJW		186 {19000}	157 {16000}	
				ACRD08		142 {14500}	132 {13500}	
	ACRD	_	SUS400 series	ACRD10		186 {19000}	172 {17500}	
	(with rollers)			ACRD12		235 {24000}	216 {22000}	
				ACRD17		353 {36000}	324 {33000}	
				BF120N		108 {11000}	99.0 {10100}	
				BF140		137 {14000}	127 {13000}	
				BF140E		147 {15000}	132 {13500}	
Drive				BF160		181 {18500}	167 {17000}	
DIIVE	BF		SUS400 series	BF160E		233 {23800}	196 {20000}	
	(bushed)	_	000400 361163	BF200		309 {31500}	284 {29000}	
				BF200E		353 {36000}	324 {33000}	
				BF240		392 {40000}	363 {37000}	
				ACS4124		186 {19000}	167 {17000}	
				BF2120		147 {15000}	137 {14000}	
	EPCD		Engineering -1	EPC78D		19.6 { 2000}	17.7 { 1800}	
	I EFCD	_	Engineering plastic	EPC90D	1	37.3 { 3800}	32.4 { 3300}	



	Features	Coating*
	de possible through chains with rollers and block tooth sprockets, increasing wear the chain will also result in cost savings by reducing the necessary drive power.	_
resistance.	h a plastic sprocket will result in superior wear and corrosion ins are lighter than steel chains, the lower power requirement will result	0
and corrosion resis	first in the industry to use tempered stainless steel for increased wear stance. SUS300 series stainless steel. es Tokyo Specifications with a bush diameter of φ30.	0
		0
NVJ Series: Most of PJ Series: Provid SJ Series: Provid	tion of material will give you the right chain for any application. economical chain, has high strength les excellent wear resistance les superb corrosion resistance as the PJ Series but with alternating flanges	0
SJW Series: Same ◆ PJW and SJW Low Noise Series:	as the SJ Series but with alternating flanges of are wider than standard chains. Less running noise due to plastic F Roller	0
◆ Uses special s ◆ Insert the rolle ◆ NVJ Series is	attachment links are steel. prockets. Be sure to indicate chain specifications. prockets to the area. equivalent to VJ Series with different material for some components. I indicates heavy duty specifications.	-
		_
		_
Rolling contact is no to increase wear re	nade possible through chain with rollers and sprockets esistance.	0
	I for increased wear and corrosion resistance. e in SUS300 series	0
This special plastic series stainless stee	drive chain for collectors combines engineering plastic and SUS300 el.	_

Water Treatment Sprockets

Tsubaki provides sprockets that can satisfy the type, material, or dimensional requirements of any main or drive chain.

■ Collector Parts

See pg. 98

Part Name	Material
Flight	FRP
Shoe	Plastic, FCD, SCS
Distance spacer	Plastic

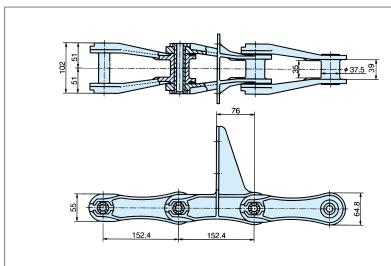
Note: Coatings

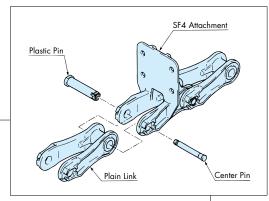
Chains designated with this mark are manufactured with a coating of epoxy resin paint as standard. Contact a Tsubaki representative if a different coating is required.

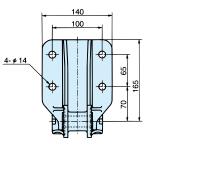
Industry Specific Products Water Treatment Plants

ACP Non-Metallic Collector Chain

ACP Chains do not suffer corrosion wear, and in combination with ultrahigh molecular polyethylene sprockets they offer unsurpassed wear resistance. They are also lighter than steel chains (chain: 1/4-1/2 lighter, sprocket: 1/3 lighter), making them easy to handle.





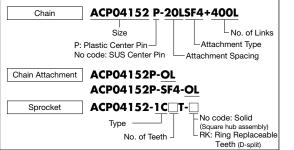


Model Numbering Example

Note: The above dimensions are nominal dimensions and may differ from actual

Size	Avg. Tensile Strength kN{kgf}	Min. Tensile Strength kN{kgf}	Chain Mass kg/m	Attachment Mass kg/each set	Specific Gravity
ACP04152-SF4	39.2{4000}	35.3{3600}	2.9	0.25	1.75
ACP04152P-SF4	29.4{3000}	24.5{2500}	2.4	0.25	1.45

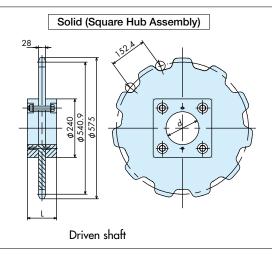
(Made to Order)

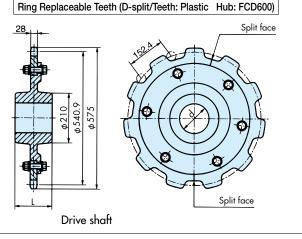


No. of Teeth

Note: Specify the model number and contact a Tsubaki

ACP Sprockets for Non-Metallic Collector Chain



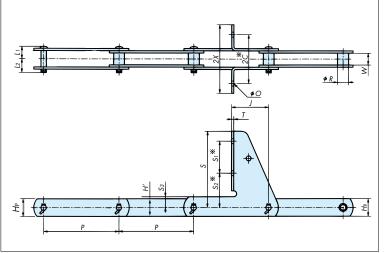


Applicable Size	Chain	No. of	Outer Dia.	Pitch	Tooth	Hub	Hub Dim.		Max.	Type/Material	Approx.
	Pitch	Teeth		Dia.	Width	Dia. DH	Length L	Dia. d	Shaft Dia	Type/Malerial	Mass kg
ACP04152	152.4	11	575	540.9	28	240	140	-	_	Square hub assembly	_
ACP04152P	132.4	11	575	540.9	28	210	140	90	130	Ring replaceable teeth (plastic)	64

- Note: 1. Indicate drive shaft diameter and key dimensions, driven shaft sleeve outer diameter, and hub dimensions when ordering.

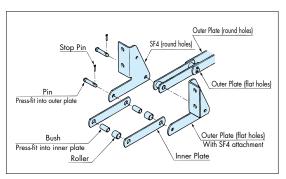
 2. Standard number of teeth is listed. Tsubaki can manufacture sprockets with teeth numbers other than listed above. Contact a Tsubaki representative for more details.
 - 3. Shaded items are for reference and not standard dimensions. Indicate dimensions and number of teeth on your inquiry, or attach a drawing.
 4. Please indicate finished bores on square hub assembly sets. Finished bores available up to 160mm.
 5. The above dimensions are nominal dimensions and may differ from actual dimensions.

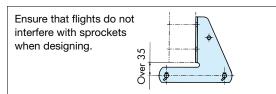
ACR Non-Metallic Collector Chain



Flights that do not have standard attachment dimensions (lpha) can be made to order.

The Japan Sewage Works Corporation Examination for Privately Developed Technology (Certificate No. 109)



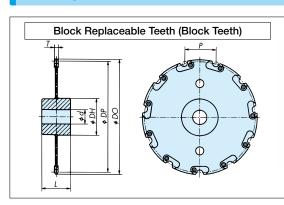


Size	Avg. Tensile Strength kN{kgf}	Min. Tensile Strength kN{kgf}	Pitch P	Roller Dia <i>R</i>	Inner Link Inner Width W	P L1	Pin		Outer Plate Width HP	Mass kg/m
ACR810	98.1 {10000}	88.3 {9000}	152.4	22.2	22	25	28.5	33	33	3.2
ACR815	147 {15000}	132 {13500}	152.4	22.2	27.6	31	34.5	38	38	5
ACR816	157 {16000}	142 {14500}	152.4	25	26	30	34	38	38	5
ACR819	186 {19000}	172 {17500}	152.4	29	30.6	33	36	44	38	6
ACR810SS	58.8 {6000}	52.9 {5400}	152.4	22.2	22	25	29	29	25	2.9

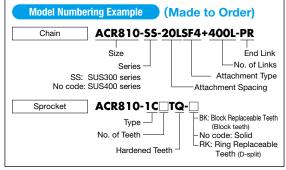
Size				Attac	chment Dimen	sions				Mass
Size	2C	2X	J	S	Sı	S 2	S ₃	0	Т	kg/each
ACR810-SF4	100	140	76	155	65	70	22	14	4.5	1.0
ACR815-SF4	100	140	76	157	65	70	22	14	6	1.4
ACR816-SF4	100	138	76	157	65	70	22	14	6	1.4
ACR819-SF4	100	142.5	76	157	65	70	22	14	6	1.4
ACR810SS-SF4	100	140	76	155	65	70	22	14	4.5	1.0

Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

ACR Sprockets for Non-Metallic Collector Chain







Note: Specify the model number and contact a Tsubaki representative for a quote.

Applicable Size	Chain	No. of	Outer	Pitch	Tooth	Hub	Dim.	Pilot Bore Dia.	Max.	Type/Material	Approx.
Pitch	Pitch	Teeth	Dia.	Dia.	Width	Dia. DH	Length L	d d	Shaft Dia	Type/Malerial	Mass kg
ACR810		11	565	540.9	18	210	140	90	130		47
ACR815		11	567	540.9	22	210	140	90	130	Block replaceable teeth:	53
ACR816	152.4	11	566	540.9	22	210	140	90	130	SS400 or FCD600 (arm, hub), SCS2 (teeth)	53
ACR819		11	570	540.9	22	210	140	90	130	Solid: SCS2 or SCS13	53
ACR810SS]	11	565	540.9	18	200	130	80	125		55

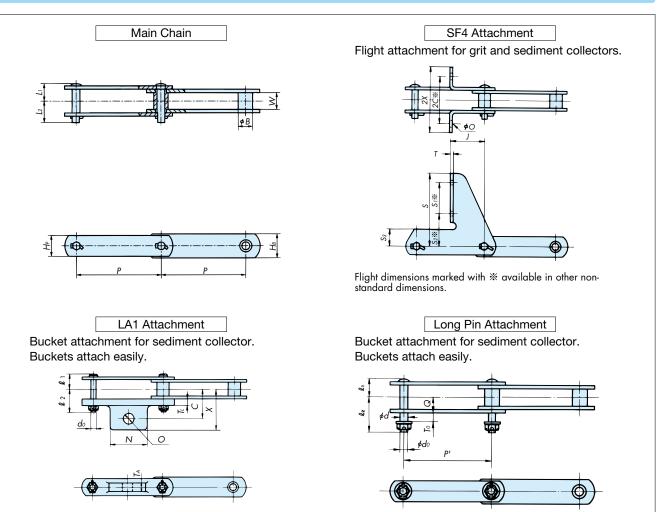
- Note: 1. Indicate drive shaft diameter and key dimensions, driven shaft sleeve outer diameter, and hub dimensions when ordering.

 2. Standard number of teeth is listed. Tsubaki can manufacture sprockets with teeth numbers other than listed above. Contact a Tsubaki representative for more details.

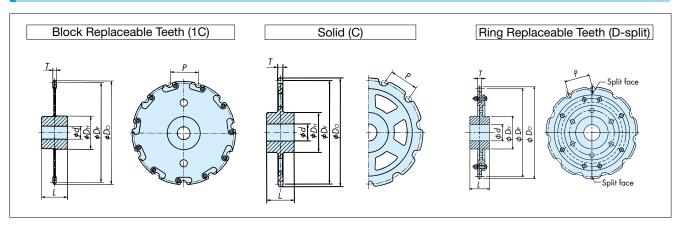
 - 3. Chains using SUS300 Series stainless steel rollers require special sprockets.
 4. Shaded items are for reference and not standard dimensions. Indicate dimensions and number of teeth on your inquiry, or attach a drawing.
 5. The above dimensions are nominal dimensions and may differ from actual dimensions.

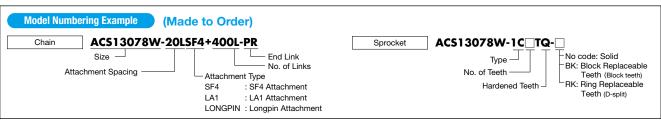
Industry Specific Products Water Treatment Plants

ACS Heavy Duty Collector Chain



ACS Sprockets for Heavy Duty Collector Chain





ACS Main Chain

Size	Avg. Tensile	Min. Tensile	Pitch	Bush Dia.	Inner Link Inner Width	Р	in	Outer Plate Width	Inner Plate Width	Approx.
Size		Strength kN{kgf}	P	P B		Lı	L2	H _P	H _B	Mass kg/m
ACS13078W			<i>7</i> 8.11							5.2
ACS13103W	132{13500}	123{12500}	103.2	23	26	28	32	33	36	4.6
ACS13152W			152.4							3.6
ACS15152W	147{15000}	137{14000}	152.4	24	26	29	33	36	38	4.8
ACS19152W	186{19000}	172{17500}	152.4	26	30	32 39.5	20.5	38	44	5.8
ACS19152WT*	180(19000)	172{17300}	152.4	30			37.3			6.8
ACS25152W	245{25000}	226{23000}	152.4	29	30	35	41	44	54	7.9
ACS35152W	343{35000}	314{32000}	152.4	35	38	41	46	54	60	10.9

Note: 1. Offset links available.

2. * Indicates Tokyo specifications.
3. All sizes also available in SUS300 series stainless steel.

■ SF4 Attachment for ACS Chain

Size		Attachment Dimensions																			
		2C	2X	J	S	Sı	S ₂	S3	0	Т	Mass per Set kg										
ACS13078W-SF4	78.11			38							0.6										
ACS13103W-SF4	103.2	90	131.5	52	110	35	55	28	14	5	0.7										
ACS13152W-SF4	152.4			76							1.0										
ACS15152W-SF4	152.4	100	143.5	76	155	65	70	35	14	5	1.2										
ACS19152W-SF4	152.4	100	100	100	100	100	100	100	100	100	100	100	141.5	76	157	65	70	38	14	4	1.4
ACS19152WT-SF4	132.4	100	141.5	/6	13/	05	/0	30	14	6	1.4										
ACS25152W-SF4	152.4	100	143.5	76	154	65	70	38	14	6	1.4										
ACS35152W-SF4	152.4	110	152.0	76	160	65	75	40	14	7.9	1.6										

■ LA1 Attachment for ACS Chain

Size		Attachment Dimensions										
Size		do	l ₁	ℓ_2	С	X	N	0	TA	TL	Mass per Set kg	
ACS13078W-LA1	78.11	M10	29.5	41.5	55	77	40	19	16	12	0.4	
ACS13103W-LA1	103.2	MIU	29.3	41.5	55	//	56	17	10	12	0.6	
ACS15152W-LA1	152.4	M12	30.5	44.5	55	77	68	19	16	12	0.8	
ACS19152W-LA1	152.4	M12	33.5	51.5	65	90	80	24	20	16	1.2	
ACS25152W-LA1	152.4	M14	36.5	53.5	65	90	80	24	20	16	1.4	
ACS35152W-LA1	152.4	M16	42.5	61.5	75	102	80	26	24	19	2.0	

■ Long Pin Attachment for ACS Chain

Size	Attachment Dimensions										
Size	Р	P'	d	do	l1	l 2	Q	То	- Mass per Set kg		
ACS13078W-LONGPIN	78.11	77.7	12	M10	28	49	24	12	0.06		
ACS13103W-LONGPIN	103.2	102.8	12	MIO	20	47	24	12	0.06		
ACS15152W-LONGPIN	152.4	152.0	13	M12	29	51	25	12	0.10		
ACS19152W-LONGPIN	152.4	151.9	14	M12	32	59	28	16	0.11		
AC\$25152W-LONGPIN	152.4	151.9	15.5	M14	35	62	29	16	0.14		
ACS35152W-LONGPIN	152.4	151.8	18.5	M16	41	72	34.2	19	0.20		

Note: P: Nominal dimensions P': Actual dimensions

■ ACS Sprockets

Applicable Size	Chain Pitch	No. of Teeth	Outer Dia.	Pitch Dia.	Tooth Width		Dim. Length <i>L</i>	Pilot Bore Dia. d	Max. Shaft Dia	Type/Material	Approx. Mass kg
ACS13078W	<i>7</i> 8.11		300	277.3		140	110	60	85		15
ACS13103W	103.2	11	390	366.3	22	150	110	50	90	C, C-split: FCD600 or SCS2	22
ACS13152W	152.4		565	540.9		150	130	60	90	D-split: FCD600 (hub, arm) SCS2 (teeth)	36
ACS15152W	152.4	11	565	540.9	22	170	130	60	105	1C (block teeth): `	44
ACS19152W	152.4	11	565	540.9	25	210	140	80	130	SS400 or FCD600 (hub, arm)	51
ACS25152W	152.4	11	570	540.9	25	210	140	80	130	SCS2 (teeth)	51
AC\$35152W	152.4	11	570	540.9	32	210	140	80	130		62

Note: 1. Standard number of teeth is listed. Tsubaki can manufacture sprockets with teeth numbers other than listed above. Contact a Tsubaki

representative for more details.

2. Shaded items are for reference and not standard dimensions. Indicate dimensions and number of teeth on your inquiry, or attach a drawing.

3. The above dimensions are nominal dimensions and may differ from actual dimensions.

Industry Specific Products Water Treatment Plants

JAC Water Screen Chain

NVJ Series Tsubaki's most economical chain. Highly durable and wear resistant.

PJ (PJH) Series Offers superb wear and corrosion resistance.

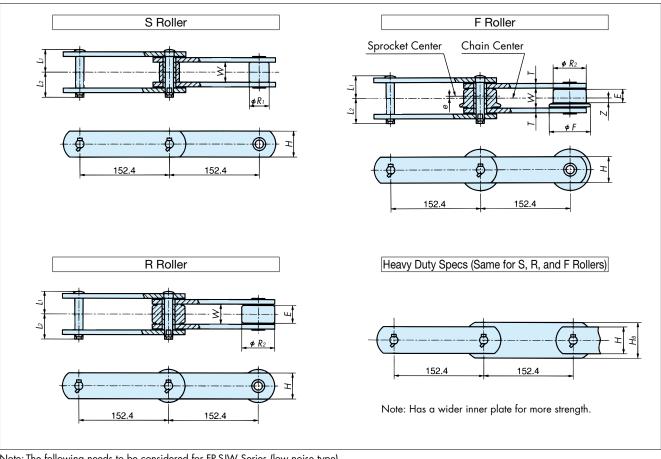
SJ Series Our most corrosion resistant chain.

PJW (PJWH) Series A PJ Series chain with alternating flanges, preventing chain from falling off of guide rail. SJW Series An SJ Series chain with alternating flanges, preventing chain from falling off of guide rail.

Reduced running noise thanks to engineering plastic F rollers.

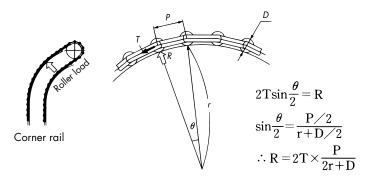
FP-SJW Series (Low Noise Series)

PJH and PJWH are heavy duty versions of PJ and PJW, respectively.



Note: The following needs to be considered for FP-SJW Series (low noise type).

Use the following formula to calculate the rail reactive force R generated by chain tension T on the corner rail area.



Model Numbering Example

Mounting one A2 (type 1) attachment somewhere along the 100 links

- 1 JAC10152F-PJH-20LA2T1+20L-PR
- 2 JAC10152F-PJH+80L-PR

Note: You can also specify chain configuration using a diagram.

Next, use the following formula to calculate the Hertz stress Q (contact compression stress) from the rail reactive force.

Q=0.591 $\sqrt{R/L\times[E_1+E_2/(E_1+E_2)\times(r-d)/(r\times d)]}$ Q≦49 [N/mm²]

d: Roller radius (D/2) [mm]

L: Rail width [mm]

E1: Roller Young modulus (plastic: 3.43 x 10³N/mm²) E2: Rail Young modulus (SUS304: 1.89 x 10⁵N/mm²)

■ Water Screen Chain Dimensional Chart

"0	<u>_</u>		Avg.	Min.	/pe	Inner Link	S Roller	R R	oller			F Ro	oller			Р	in	Plo	ate	Approx	x. Mass	kg/m
Series	Materia	Size	Tensile Strength	Tensile Strength	Roller Type	Inner Width	Dia.	Dia.	Contact Width	Dia.	Flange Dia.	Contac		Off- center	Z	Lı	L ₂	Н	Нв	S	F	R
	2		kN{kgf}	kN{kgf}	Ro	W	Rı	R ₂	Ë	R ₂	F	Ε	E ₂	е						Roller	Roller	Roller
		JAC08152□-NVJ	1 <i>47</i> {1 <i>5</i> 000}	127 {13000}	S	26.2	22.2	-	-	-	-	-	-	-	-	31	34.5	28.6	-	3.9	-	
		JAC10152□-NVJ	216 {22000}	196 {20000}	SRF	29.0	29.0	50.8	26	50.8	65	20	20	3	7	33	36	38.1	-	5.9	8.0	7.6
NVJ	* 1	JAC6205□-NVJ	275 {28000}	250 {25500}	SRF	35.9	34.9	65	32	65	85	24	24	4	8	40.5	43	44.5	-	9.3	14.5	13.5
		JAC21152□-NVJ	382 {39000}	343 {35000}	SRF	35.7	40.1	<i>7</i> 0	32	70	90	24	24	4	8	44.5	51	50.8	-	12.6	18.1	17.1
		JAC26152□-NVJ	510 {52000}	461 {47000}	SRF	55.6	44.5	80	52	80	95	40	40	5	15	55.5	61	63.5	-	17.8	29.3	28.0
		JAC08152□-PJ	142 {14500}	132 {13500}	S	27	22.2	-	-	-	-	-	-	-	1	31	34.5	38	-	5.0	-	-
		JAC10152□-PJ	167 {17000}	152 {15500}	SRF	30	29	50.8	26	50.8	65	20	20	3	7	33	36	38	-	5.6	7.9	7.5
	series	JAC10152□-PJH	186 {19000}	172 {17500}	SRF	30	29	30.0	20	30.6	03	20	20	3	,	33	30	38	44	6.0	8.3	7.9
PJ (PJH)	SUS400 se	JAC6205□-PJ	235 {24000}	216 {22000}	SRF	37.1	34.9	65	32	65	85	24	24	4	8	39.5	42	44.5	-	8.2	13.3	12.3
	SUS	JAC6205□-PJH	265 {27000}	245 {25000}	SRF	37.1	34.9	03	32	03	0.5	24	24	4	0	39.3	42	44.5	54	8.9	14	13
		JAC21152□-PJ	353 {36000}	324 {33000}	SRF	37.1	40.1	70	32	70	90	24	24	4	8	44	50	54	-	12.8	19.0	18.1
		JAC26152□-PJ	490 {50000}	451 {46000}	SRF	55.2	44.5	80	52	80	95	40	40	5	15	56	61.5	63.5	-	18.6	30.0	28.7
	s	JAC10152F-PJW	167 {17000}	152 {15500}	F	36.2		-	-	50.8	65	26	20	_	10	36.5	39.5	38	-	-	8.3	
PJW) series	JAC10152F-PJWH	186 {19000}	172 {17500}	F	30.2	_	-	-	30.0	03	20	20	_	10	30.3	39.3	30	44	-	8.7	-
(PJWH)	SUS400	JAC6205F-PJW	235 {24000}	216 {22000}	F	44.5	_	-	-	65	85	32	24	_	12	43	45.5	44.5	-	-	14.4	-
	S	JAC6205F-PJWH	265 {27000}	245 {25000}	F	44.5	_	-	-	03	65	32	24	_	12	43	45.5	44.5	54	-	15.1	_
		JAC08152□-SJ	68.6 { 7000}	58.8 { 6000}	S	27	22.2	-	-	-	-	-	ı	-	ı	31	34.5	28.6	-	3.8	-	-
	series	JAC10152□-SJ	108 {11000}	93.2 { 9500}	SRF	30	29	50.8	26	50.8	65	20	20	3	7	33	36	38.1	-	5.6	7.9	7.5
SJ	SUS300 se	JAC6205□-SJ	132 {13500}	113 {11500}	SRF	37.1	34.9	65	32	65	85	24	24	4	8	40.5	43	44.5	-	9.1	14.2	13.2
	SUS	JAC21152□-SJ	186 {19000}	1 <i>57</i> {16000}	SRF	37.1	40.1	70	32	70	90	24	24	4	8	44.5	52	50.8	-	13.3	18.2	17.2
		JAC26152□-SJ	250 {25500}	211 {21500}	SRF	57.2	44.5	80	52	80	95	40	40	5	15	55.5	62	63.5	-	18.8	30.0	28.7
	S	JAC10152F-SJW	108 {11000}	93.2 { 9500}	F	36.0	-	-	-	50.8	65	26	20	-	10	36	39	38.1	-	-	8.3	-
SJW) series	JAC6205F-SJW	132 {13500}	113 {11500}	F	44.5	-	-	-	65	85	32	24	-	12	44.5	46.5	44.5	-	-	15.3	-
3) 44	SUS300	JAC21152F-SJW	186 {19000}	1 <i>57</i> {16000}	F	44.5	-	-	-	70	90	32	24	-	12	49	55.5	50.8	-	-	19.1	-
	S	JAC26152F-SJW	250 {25500}	211 {21500}	F	57.2	-	-	-	80	95	38	26	-	13	56.5	62	50.8	63.5	-	28.6	
		JAC10152FP-SJW	108 {11000}	93.2 { 9500}	F	36	-	-	-	50.8	65	26	20	-	10	36	39	38.1	-	-	6.0	-
FP- SJW	*2	JAC6205FP-SJW	132 {13500}	113 {11500}	F	44.5	-	-	-	65	85	32	24	-	12	44.5	46.5	44.5	-	-	9.5	_
		JAC21152FP-SJW	186 {19000}	1 <i>57</i> {16000}	F	44.5	-	-	-	70	90	32	24	-	12	49	55.5	50.8	-	-	12.2	-
*1: N'	VJ S	eries material:	Pin/b	ush use S	US40	0 seri	es sta	inless	steel,	while	roller	/link p	late u	se all	by stee	el. (N'	VJ Ser	ies is	eauivo	alent to	the \	/J

^{*1:} NVJ Series material:

Pin/bush use SUS400 series stainless steel, while roller/link plate use alloy steel. (NVJ Series is equivalent to the VJ Series using different material for some parts.)
F roller uses plastic, while pin/bush/link plate use SUS300 series stainless steel.
The rollers on the attachments on engineering plastic F roller chains (low noise chains) are stainless steel.

^{*2:} SJW Plastic Series material:

Note: 1. Offset link available.

2. Contact a Tsubaki representative regarding tensile strengths, chain pitches, and so on not shown above.

3. Enter roller type in the

box.

4. The E dimension is the rolling contact width. E2 is the length of the roller (real rolling contact width) when there are alternating flanges (SJW, PJW).

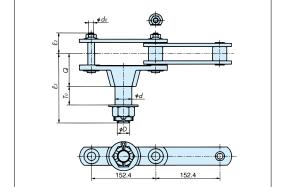
5. The above dimensions are nominal dimensions and may differ from actual dimensions.

Industry Specific Products Water Treatment Plants

Y Attachment for JAC Chain

◆ For rotating-rake water screens





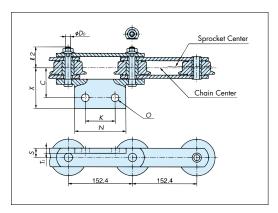
Series	Size	Roller Type	d	do	D	ℓ_2	lз	Q	То	Add. Mass per Set kg/set
	JAC08152	S	25	M10	M20	38	120	60	30	1.1
	JAC10152	R/S	35	M12	M27	42	148.5	70	40	1.9
NVJ/PJ	JAC6205	R/S	40	M12	M30	49	164.5	78	44	2.7
	JAC21152	S	45	M16	M36	55	174	78	46	3.2
	JAC26152	S	50	M16	M45	65	204	95	50	5.1

A2 Attachment (Type 1) for JAC Chain

◆ For fixed-rake water screens

Attachment type: A2T1





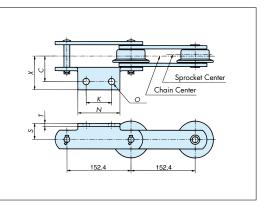
Series	Size	Roller Type	do	ℓ_2	С	Х	К	N	S	0	Tι	Add. Mass per Set kg/set
NVJ/PJ/	JAC10152	R/F	M12	42	60	80	65	110	19.0	15	9.5	0.6
SJ/PJH	JAC6205	R/F	M12	49	70	95	70	120	22.2	18	12	0.9

A2 Attachment (Type 2) for JAC Chain

For sediment conveyors

Attachment type: A2T2





Series	Size	Roller	С	Х	К	N	s	0	NVJ	T PI	SJ	Add. Mass per Set
		Туре							Series	Series	Series	kg/set
NVJ/PJ/	JAC10152	R/F	50	65	60	90	32	12	6.3	6	6	0.20
SJ/PJH	JAC6205	R/F	60	79	60	100	38	15	7.9	7	8	0.37

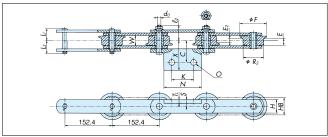
Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

PJW/SJW Series A2 Attachment (Type 1) for JAC Chain

For fixed-rake water screens

Attachment type: A2T1





■ PJW Series

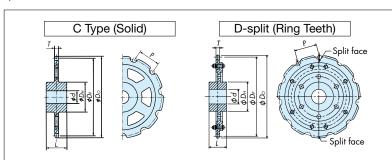
Size and	Attachment Dimensions										t Width	Add. Mass per Set
Roller Type	do	ℓ2	С	X	K	N	S	0	TL	Е	E ₂	kg/set
JAC10152F	M12	45	63	83	65	110	19.0	15	9.5	26	20	0.6
JAC6205F	M12	51.5	74	99	70	120	22.2	18	12	32	24	0.9

■ SJW Series

Size and				Attach	ment Dime	nsions				Contac	t Width	Add. Mass per Set
Roller Type	do	ℓ_2	С	Χ	K	N	S	0	Tι	Е	E ₂	kg/set
JAC10152F	M12	45	63	83	65	110	19.0	15	9.5	26	20	0.6
JAC6205F	M12	53	74	99	70	120	22.2	18	12	32	24	0.9
JAC21152F	M16	61	80	105	70	120	25.4	23	12	32	24	1.4
JAC26152F	M16	66	90	120	70	120	31.75	23	16	38	26	1.7

- Note: 1. Attachment dimensions are the same with plastic F rollers.
 2. E dimension is the contact width. E2 dimension is roller length (actual contact width) when two flanges alternate (SJW, PJW).
 3. The above dimensions are nominal dimensions and may differ from actual dimensions.

JAC Sprockets (Water Screen)



Size and Roller Type	Pitch	No. of Teeth	Outer Dia.	Pitch Dia.	Tooth Width	Boss Dia. DH		Pilot Bore Dia. d	Max. Shaft Dia	Type/Material	Approx. Mass kg
IAC08152S	150.4	11		540.9	21	180	130	90	110		51
J	152.4		556								
JAC10152S		11	561	540.9	24	190	130	90	115		45
JAC10152F	152.4	10	528	493.2	16	170	120	80	105		36
		11	576	540.9		180	130	90	110		46
JAC6205S		11	565	540.9	30	220	170	110	135		80
JAC6205F	152.4	10	539	493.2	21	180	130	90	110		47
JAC02031		11	586	540.9	Z I	220	160	110	135	C: SCS13, FCD600, or	65
JAC21152S		11	569	540.9	30	230	1 <i>7</i> 0	110	140		78
IAC01150F	152.4	10		493.2	21	170	120	80	105		41
JAC21152F		11	590	540.9	21	230	170	110	140	SCS2	68
JAC26152S		11	572	540.9	48	260	190	120	160	Note: Indicate sprocket	110
JAC26152F			493.2	24	230	1 <i>7</i> 0	110	140	specs when ordering,	68	
JAC20132F		11	597	540.9	24	260	190	120	160	if chain rollers are SUS300 series	98
JAC10152F-PJW	152.4	10	528	493.2	16	170	120	80	105	stainless steel or	35
JACTOTS2F-FJVV	132.4	11	576	540.9	10	180	130	90	110	plastic.	42
IAC/OOFF DIVA/	150.4	10	539	493.2	21	180	130	90	110		43
JAC6205F-PJW	152.4	11	586	540.9	21	220	160	110	135		62
JAC10152F-SJW	150.4	10	528	493.2	1,	170	120	80	105		35
JAC6205FP-SJW (Plastic roller)	152.4	11	576	540.9	16	180	130	90	110		42
JAC6205F-SJW	150 4	10	539	493.2	0.1	180	130	90	110		43
JAC6205FP-SJW (Plastic roller)	152.4	11	586	540.9	21	220	160	110	135		62
JAC21152F-SJW	1.50 4	10	542	493.2	0.1	180	120	80	110		41
JAC21152FP-SJW (Plastic roller)	152 /	11	590	540.9	21	220	160	110	135		68

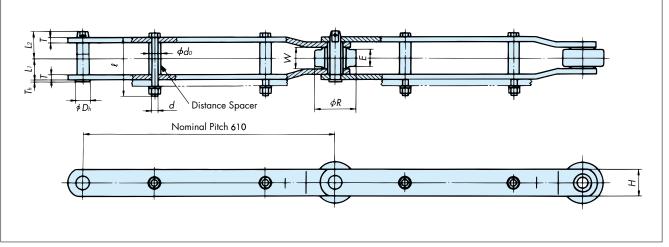
- Note: 1. Indicate drive shaft diameter and key dimensions, driven shaft sleeve outer diameter, and hub dimensions when ordering.

 2. Standard number of teeth is listed. Tsubaki can manufacture sprockets with teeth numbers other than listed above. Contact a Tsubaki representative for more details.
 - 3. Sprockets must be made to order if chain rollers are SUS300 series stainless steel or plastic.
 - 🗆 Shaded items are for reference and not standard dimensions. Indicate dimensions' and number of teeth on your inquiry, or attach a drawing.
 - 5. The above dimensions are nominal dimensions and may differ from actual dimensions.

WAC Chain for Water Screens



WAC Chain for water screens is used for automatic water screens, such as those found in water intakes at thermal power plants. The pins, bushes, and rollers use tempered SUS400 series stainless steel, giving them the corrosion and wear resistance necessary to operate continuously in both seawater and air. There are special plastic bearings in the roller inner diameter, allowing for lube-free operation in seawater for easy maintenance.



Industry Specific Products Water Treatment Plants

	Avg. Tensile	Min. Tensile	Rol	ler	Inner	Plo	ate		Pi	n		Disto	ance Sp		
Size	Strength kN{kgf}	Strength kN{kgf}	Dia. R	Ε	Width W	Т	Н	Lı	L2	Th	Dh	do	d	R	Mass kg/m
WAC25610	245 {25000}	216 {22000}	100	41	50	9.5	63.5	45.0	57.0	4	28	27.2	M16	130	17.0
WAC32610	314 {32000}	275 {28000}	100	41	50	12.7	63.5	51.5	65.5	4	32	27.2	M16	140	20.5
WAC45610	441 {45000}	382 {39000}	100	41	50	12.7	76.2	51.5	65.5	4	32	27.2	M16	145	23.8
WAC55610	539 {55000}	461 {47000}	100	41	50	12.7	76.2	51.5	65.5	4	32	27.2	M16	140	23.8
WAC65610	637 {65000}	549 {56000}	110	41	50	16	76.2	58. <i>7</i>	76.3	4	38	27.2	M20	165	30.0
WAC75610	735 {75000}	628 {64000}	110	58	66.7	16	80	67.0	84.0	4	38	27.2	M20	180	34.0
WAC100610	981{100000}	834 {85000}	130	58	66.7	22	100	79.0	98.5	8	40	34	M22	210	53.1
WAC120610	1180{120000}	1000{102000}	150	62	70	22	115	80.7	100	8	46	34	M22	210	64.5

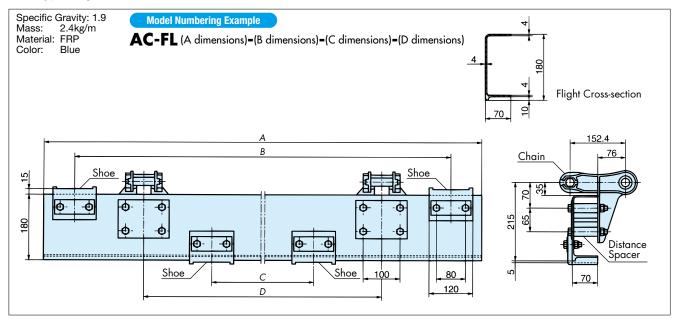
Note: Please indicate plate coating. Dimensions are for reference only. Specify dimensions in a drawing when making your inquiry. The above dimensions are nominal dimensions and may differ from actual dimensions.



Note: Specify the model number and contact a Tsubaki representative for a quote.

Accessories for Collection Tank Chains

■ F Type Flight

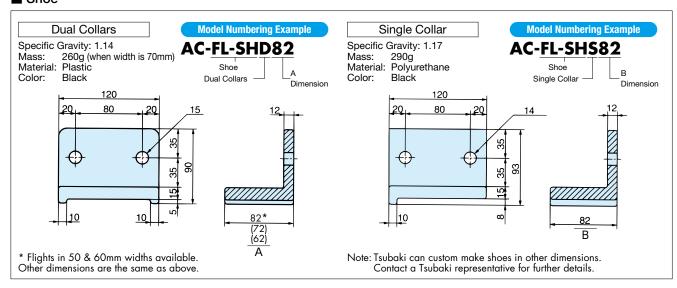


Note: 1. Add A, B, C, D dimensions (unit: mm) to the model number when ordering flights, and ask a Tsubaki representative for a quote.

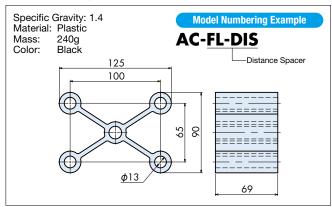
Attach the SF4 attachment, distance spacer, flight, and retainer plate, or flight and shoe, with SUS300 bolts, nuts, washers, spring washers, etc. (Flights do not include shoes or distance spacers.)

2. Contact a Tsubaki representative when minimum order quantity is under 100m.

■ Shoe



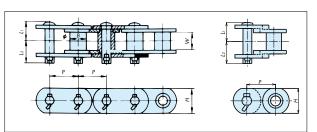
■ Distance Spacer



Note: The above dimensions are nominal dimensions and may differ from actual dimensions.

Industry Specific Products Water Treatment Plants

BF Drive Chain



All parts use tempered SUS400 series stainless steel, giving BF chains high strength and resistance to pitting.

Model Numbering Example

JIS roller chain sprockets can be used as is.

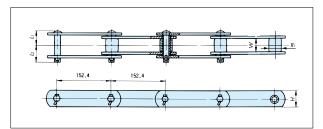
BF140E+100L-PR

Size	Avg. Tensile Strength	Min. Tensile Strength	Pitch	Bush Dia.	Inner Link Inner Width	Plate Height	Р	in	Approx.
Size	kN{kgf}	kN{kgf}	PB	В	W	H	Lı	L2	- Mass kg/m
BF120N*	108 {11000}	99 {10100}	38.1	22.23	25.4	33.0	27.5	31.5	6.8
BF140*	137 {14000}	127 {13000}	44.45	25.40	25.4	38.0	29.5	37.0	9.5
BF140E	147 {15000}	132 {13500}	44.45	25.40	25.4	44.0	27.3	37.0	10.6
BF160*	181 {18500}	167 {17000}	50.8	28.58	31.7	44.0	34.5	40.5	10.9
BF160E	233 {23800}	196 {20000}	30.6	20.30	31./	44.5	35.5	38.5	12.5
BF200	309 {31500}	284 {29000}	63.5	39.69	38.1	54.0	45.5	50.5	20.7
BF200E	353 {36000}	324 {33000}	03.3	39.09	30.1	34.0	44.0	30.3	20.9
BF240	392 {40000}	363 {37000}	76.2	47.62	47.6	63.5	53.5	57.5	27.8
ACS4124	186 {19000}	167 {17000}	103.2	43.7	37.0	44.0	37.0	39.5	10.5
BF2120*	147 {15000}	137 {14000}	76.2	22.23	26.0	38.0(36.0)	29.0	33.0	5.9

Note: Values in parentheses () are outer plate dimensions. The above dimensions are nominal dimensions and may differ from actual dimensions.

* BF120N, BF140, BF160, and BF2120 links resemble offset links and look different from the above.

ACRD Drive Chain



A chain with rollers made of tempered SUS400 series stainless steel. Rolling contact with the sprockets

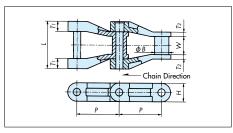
increases wear resistance.

ACRD10+100L-PR

Size	Pitch	Avg. Tensile Strength	Min. Tensile Strength	Inner Width	Rollew Dia.	P	in	Plate Heiaht	Approx. Mass
Size	P	kN{kgf}	kN{kgf}	W	R ₁	Lı	L2	H	kg/m
ACRD08	101.6	142 {14500}	132 {13500}	27.6	22.2	31	34.5	38	6
ACRD10	127	186 {19000}	172 {17500}	30.6	29	33	36	44(38)	6.4
ACRD12	152.4	235 {24000}	216 {22000}	38.9	34.9	39.4	42	44.5	8.2
ACRD17	152.4	353 {36000}	324 {33000}	38.1	40.1	44	50	54	12.8

Note: Values in parentheses () are outer plate dimensions. The above dimensions are nominal dimensions and may differ from actual dimensions.

EPCD Drive Chain



A plastic drive chain for collectors.



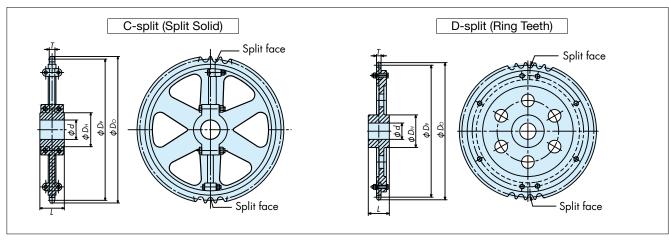
Model Num	bering Example
Base Chain	EPC78D+100L
Link	EPC78D-OL

Note: This model differs from EPC chain.

Size	Avg. Tensile Strength kN{kgf}	Min. Tensile Strength kN{kgf}	Pitch P	Barrel Dia.	Link Inner Width W	Outer Width <i>L</i>	Plate Height <i>H</i>	Approx. Mass kg/m
EPC78D	19.6 {2000}	17.7 {1800}	66.27	22.2	27.4	74.3	28.6	2.3
EPC90D	37.3 {3800}	32.4 {3300}	90	35	30	82.9	40.0	2.9

Note: 1. Plastic links are black and highly corrosion resistant.
2. The above dimensions are nominal dimensions and may differ from actual dimensions.

Drive Sprockets



Applicable Size	Pitch	No. of	Outer	Pitch	Tooth	Hub	Dim.	Pilot Bore Dia.	Max. Shaft	Time /Adminuted	Approx.
Applicable Size	Pitch	Teeth	Dia.	Circle Dia.	Width	Dia. Dн	Length L	d d	Dia.	Type/Material	Mass kg
ACRD08	101.6	12	419	392.6	22	140	115	50	85		26
ACKDOO	ACKD08 101.6	24	561	<i>7</i> 78.4		160	135	60	95		77
ACRD10	127	10	528	411	25	150	125	50	90		29
ACKDIO	12/	18	576	<i>7</i> 31.4	23	180	150	70	110	1C (block teeth): SS400 (hub)	74
ACDD12	150 4	9	565	445.6	30	160	135	60	95	SCS2 (teeth)	40
ACRD12 152.	132.4	15	539	<i>7</i> 33	30	190	160	80	115	, ,	90
ACRD17	152.4	9	542	445.6	30	180	150	70	110		45
ACKD17	152.4	15	590	733	30	230	200	100	140		110

Applicable Size	Pitch	No. of	Outer	Pitch Circle	Tooth	Hub	Dim.	Pilot Bore Dia.	Max. Shaft	Type/Material	Approx. Mass
Applicable Size	FIICH	Teeth	Dia.	Dia.	Width	Dia. <i>Dн</i>	Length L	d d	Dia.	туре//маіепаі	kg
		15	202	183.25		110	100	55	65		9
BF120N	38.10	23	300	279.8	24	120	100	55	<i>7</i> 5		1 <i>7</i>
DI 12014	30.10	40	507	485.6	24	1 <i>7</i> 0	130	80	105		49
		45	568	546.19		1 <i>7</i> 0	130	75	105		50
		11	1 <i>7</i> 8	157.78		100	100	40	60		8
		1 <i>7</i>	350	326.44		120	100	55	<i>7</i> 0		21
BF140	44.45	35	521	495.88	24	150	100	50	90		45
BF140E	44.43	40	591	566.54	24	1 <i>7</i> 0	110	60	105	-	60
		45	662	637.22		1 <i>7</i> 0	110	60	105		73
		50	<i>7</i> 33	707.91		1 <i>7</i> 0	110	110 60 105 120 40 70 120 65 80 C Carlin SCS2		87	
		11	204	180.31		115	120	40	<i>7</i> 0		12
		1 <i>7</i>	302	276.46		130	120	65	80	C C 1: CCC0	18
		23	400	373.07		130	120	55	80	C, C-spiif: SCS2 D-split : FCD600 (hub)	29
DE1 / O		25	433	405.32		190	1 <i>7</i> 0	80	115	SCS2 (teeth)	55
BF160 BF160E	50.80	30	514	485.99	30	1 <i>7</i> 0	110	60	105	C, C-split: SCS2 D-split : FCD600 (hub) SCS2 (teeth) Only C Type is available with 25 or fewer teeth.	55
2		35	595	566.71		1 <i>7</i> 0	110	60	105	Willi 23 of lewel leem.	<i>7</i> 1
		40	676	647.47		200	130	70	125		98
		45	757	728.25		200	130	70	125		119
		50	838	809.04		200	130	70	125		142
		11	254	225.39		145	120	50	85		21
		24	520	486.49		160	110	70	95		61
BF200 BF200E	63.50	35	744	708.39	36	250	160	90	155		150
DI 2002		40	845	809.34		250	160	90	155		185
		45	946	910.31		280	180	100	175		242
		11	305	270.47		150 120	120	50	90		29
BF240	76.20	37	941	898.52	45	250	150	125	155		250
		40	1014	971.21		250	160	125	155		293

Note: 1. Standard number of teeth is listed. Tsubaki can manufacture sprockets with teeth numbers other than listed above.

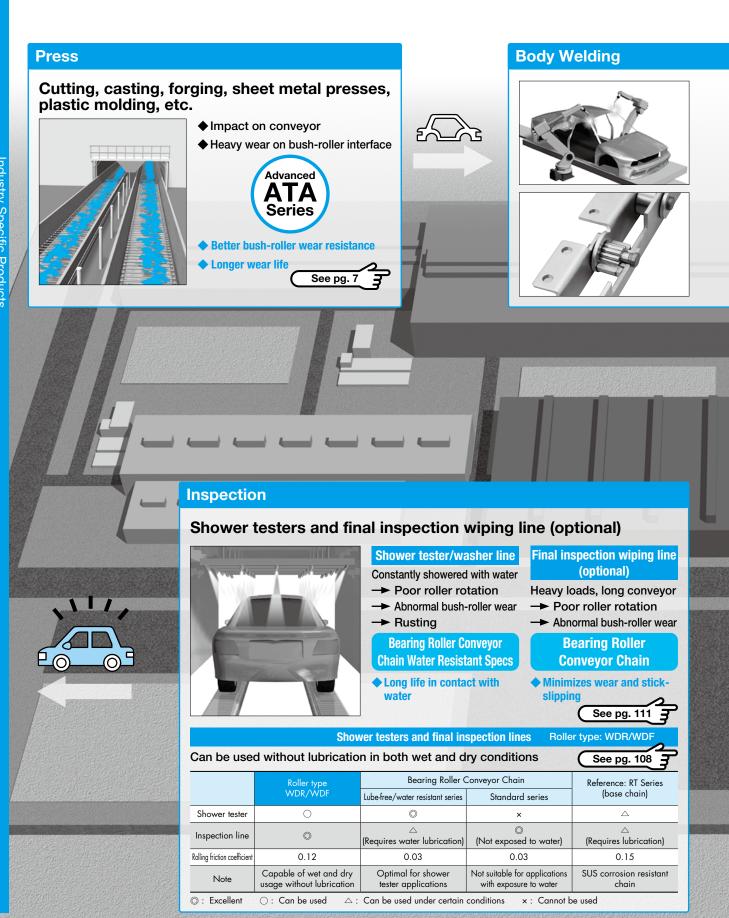
Contact a Tsubaki representative for more details.

2. Shaded items are for reference and not standard dimensions. Indicate dimensions and number of teeth on your inquiry, or attach a drawing.

3. The above dimensions are nominal dimensions and may differ from actual dimensions.

Industry Specific Products Automotive Industry

Conveyor chains that satisfy needs for wear resistance,



index positioning, accumulation, heavy loads, countering stick-slip (surging), and long length conveyors

Welding and assembly of roofs and body panels

 Accurate indexing conveyance is required

Bearing Bush Conveyor Chain

 Features needle bearings between the pin and bush

See pg. 103

Coating



Coating of bodies, doors, and other components

◆ Cart traction conveyance

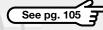
Conveyor chains for towing (with dogs)

See pg. 133

Conveyor chains for pallet stacking (Accumulation)

Free Flow Conveyor Chain

Double Plus Conveyor Chain



Outboard Roller Conveyor

See pg. 106

Top Roller Conveyor Chain

See pg. 107

Assembly



Vehicle conveyance, manconveyors

- ♦ Heavy localized loads
- ◆ Long conveyor

Heavy bush-roller wear

◆ Stick-slipping —➤ Low productivity

Bearing Roller Conveyor Chain



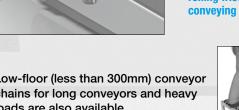
- **Better bush-roller wear resistance**
- ◆ Stable thanks to 1/3 the coefficient of rolling friction for saving energy when conveying heavy loads

See pg. 11



Contact a Tsubaki representative.







Bearing Bush Conveyor Chain

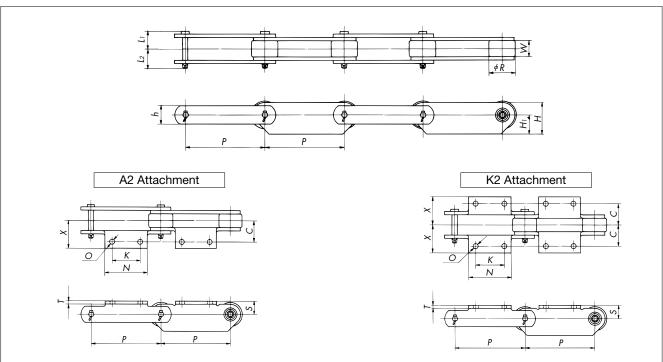
Series: NB

Rolle



Features needle bearings between the pin and bush. Reduces wear elongation to the absolute minimum possible. Suitable for index positioning and

tact conveyance.



Ī		Max. A	llowable	Roller A	llowable		Roller	Inner Link		Plate		Р	in	Approx.
	Size, Roller Type, Series	Ten	sion	Lo	ad	Pitch P	Dia.	Inner Width	Height	Height	Height	Lı	L ₂	Mass
		kN	{kgf}	kN	{kgf}	·	R	W	h	h	Hī	LI	L2	kg/m
	RF03075R-NB	2.45	{250}	0.54	{ 55}	75	31.8	16.1	22	35	20	18	20	3.0
Ī	RF05100R-NB	4.90	{500}	1.03	{105}	100	40	22	32	47	26	25	28.5	5.8
	RF10150R-NB	7.85	{800}	1.77	{180}	150	50.8	30	38.1	61	35	33	36	8.7
Ī	RF12200R-NB	9.81	{1000}	2.50	{255}	200	65	37.1	44.5	71	40	40.5	43	13.0
	RF17200R-NB	12.7	{1300}	4.02	{410}	200	80	51.4	50.8	85	51	51.5	58	21.5
	RF26250R-NB	19.6	{2000}	5.30	{540}	250	100	57.2	63.5	105	64	55.5	61	28.5
Ī	RF36300R-NB	24.5	{2500}	7.45	{760}	300	125	66.7	76.2	125	75	68	78	41.5

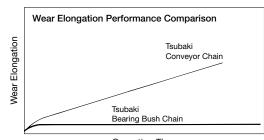
Size, Roller Type, Series	Pitch				Attachment				1	er Attachment
Jeries	,	S	С	Х	K	N	T	0	A2	K2
RF03075R-NB	75	20	30	46	30	55	3.2	10	0.05	0.10
RF05100R-NB	100	22	35	47	40	65	4.5	10	0.08	0.16
RF10150R-NB	150	28	50	67	60	90	6.3	12	0.20	0.40
RF12200R-NB	200	38	60	79	80	120	7.9	15	0.45	0.90
RF17200R-NB	200	45	75	100	80	120	9.5	15	0.66	1.32
RF26250R-NB	250	55	80	108	125	170	9.5	15	1.07	2.14
RF36300R-NB	300	70	100	135*	150*	220*	12.7	19	1.8	3.6

- Note: 1. Attachment dimensions marked with * differ from the attachment dimensions of RF Conveyor Chain.

 - Roller allowable load values given are for lubricated chain.
 The above dimensions are nominal dimensions and may differ from actual dimensions.

Bearing Bush Conveyor Chain Selection

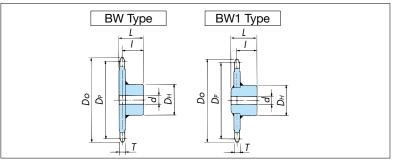
- 1. R roller rotational coefficient of friction: 0.21
- 2. Chain speed: max. 30m/min
- 3. Operating temperature: -10° C to 60° C
- 4. Needles in the bearing area may fall out when pin is extracted during chain connection or other operations. Follow handling instructions carefully.
 - The basic three dimensions (chain pitch, R roller diameter, inner link inner width) are the same as standard conveyor chain.
 - Space between pin and bush have already been lubricated.
 - Plates are nickel plated.
 - Not for use in dusty environments.
 - Consult a Tsubaki representative for specifications with a simple seal along the needle area.



Operating Time

Sprockets for Bearing Bush Conveyor Chain

Sprocket teeth are precision machined to maximize performance of the chain. Teeth are machined for minimum clearance with the roller.



Sprocket Hole Processing

Tsubaki will process shaft holes and keyways upon request. Please include the following information in your request.

- 1. Shaft hole diameter and clearance: Hole dimensions and processing precision.
- 2.Keyway dimensions: New JIS (JISB1901-1976) or old JIS (JISB1901-1959) parallel or tapered keys, processing clearance (normal or precise).
- 3. Used parallel in strands:
- Specify number of strands for parallel use.
- 4.Standard processing specifications for Bearing Bush Conveyor Chain sprockets are H7 holes and new JIS key. Customers wishing to perform their own hole processing should use the sprocket outer circumference as a base.

Size, Roller Type, Series	No. of Teeth	Series	Pitch Diameter Dp	Outer Diameter Do	Tooth Width T	Shaft Did Pilot Hole	meter d Max.	Hub Diameter DH	Hub Length <i>L</i>	Center Distance to Shaft	Approx. Mass kg	Material
RF03075R-NB	8		196.0	209		18	55	83	62	56	4.8	
RF03075R-NB	10	BW	242.7	259	11.9	18	60	93	67	61	<i>7</i> .1	
RF03075R-NB	12		289.8	308		18	60	93	67	61	9.0	
RF05100R-NB	8		261.3	272		28	75	107	86	77	12.0	
RF05100R-NB	10	BW	323.6	340	18.0	33	80	117	94	85	17.4	
RF05100R-NB	12		386.4	405		33	85	127	104	95	24.4	
RF10150R-NB	8		392.0	408		38	100	147	123	112	33.2	
RF10150R-NB	10	BW	485.4	506	22	38	110	157	133	122	47.6	
RF10150R-NB	12		579.6	601		38	115	167	144	133	65.2	
RF12200R-NB	8		522.6	551		60	120	177	150	125	67.4	Machine
RF12200R-NB	10	BW1	647.2	682	28	65	130	187	160	135	96.6	structural
RF12200R-NB	12		772.7	810		75	145	207	180	155	136.9	carbon steel
RF17200R-NB	8		522.6	562		75	145	207	180	148	98.1	
RF17200R-NB	10	BW1	647.2	691	40	75	145	207	180	148	134.0	
RF17200R-NB	12		772.7	821		80	160	227	200	168	190.1	
RF26250R-NB	8		653.3	703		80	160	227	200	164	159.7	
RF26250R-NB	10	BW1	809.0	864	45	85	1 <i>75</i>	247	240	204	244.1	
RF26250R-NB	12		965.9	1026		85	1 <i>75</i>	247	240	204	321.4	
RF36300R-NB	8		783.9	853		95	190	267	240	198	276.2	
RF36300R-NB	10	BW1	970.8	1046	55	95	190	267	270	228	398.9	
RF36300R-NB	12		1159.1	1234		100	210	297	260	218	550.8	

Note: 1. Tsubaki also manufactures other sprockets with hardened tooth tips besides those listed here.

Sprockets with a mass over 30kg may be drilled with a hanging hole near the teeth.
 The above dimensions are nominal dimensions and may differ from actual dimensions.

Ordering Bearing Bush Conveyor Chain (Made to Order) Model Numbering Example Ordering Example



Chain Size: RF05 Pitch: 100mm Roller Type: R Roller Series: Bearing Bush Conveyor Chain (NB) Attachment Spacing/Type: A2 every link Quantity: 400 links

Chain Number

Quantity Unit

RF05100R-NB-1LA2+400L-PR

Н

Note: Specify the model number and contact a Tsubaki representative for a quote.



Double Plus Conveyor Chain

Roller Type: VR



1. Conveying

The frictional force between the large and small diameter rollers cause them to rotate in unison, and the difference in the roller diameters allow for items to be conveyed at 2.3 times the speed of the base chain.

2. Accumulating

As there is a braking force acting on the large diameter roller, slip occurs between the large and small diameter rollers, allowing for free flow conveyance.

3. Energy Savings/Lower Costs

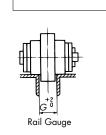
The small coefficient of friction means low required energy, reducing necessary chain size and costs.

4. Longer Life

Chain speed is 1/2.3 with a large roller allowable load, giving the chain over twice the life of standard chains. (Compared to Top Roller Chain.)

5. Stable Running

The height from rail to conveyed goods is low, allowing for stable running.



Cannot use standard sprockets. Use Double Plus Conveyor Chain Sprockets. Contact a Tsubaki representative for more information.

Size and	Pitch	Ro	ller		Width		Plate Width		Pin		В	G	Max. Allowable Load	Roller Allowable Load	Approx. Mass						
Roller Type	P	Rı	R	Wı	W ₂	W	H	L1+L2	Lı	L2	В	G	kN{kgf}	kN{kgf/each}	(kg/m)						
RF03075VR	75	42.0	31.8	12	8.5	30	22	51.5	24.5	27	36.9	14.5	4.20 {430}	1.27 {130}	4.7						
RF03100VR	100	42.0	31.0	12	0.5	30	22	31.3	24.5	2/	30.9	14.5	4.20 {430}	1.27 {130}	4						
RF05100VR	100														8						
RF05125VR	125	53.0	40.0	16	11	39	32	70.5	33.5	37	46.5	18.5	9.80{1000}	2.35 {240}	7						
RF05150VR	150														6						
RF10125VR	125	67.0	50.8	20	14	54	38.1	93	45	48	58.9	25	17.6 {1790}	3.43 {350}	14						
RF10150VR	150	07.0	30.6	20	14	54	30.1	93	43	40	30.9	23	17.0 {1790}	3.43 (330)	12						
RF6205VR	152.4	75.5	57.2	57.2	57.2	57.2	57.2	57.2	57.2	22	16	62	115	108.5	53	55.5	44.2	20	26.6 {2710}	4 00 (500)	18
RF12200VR	200	/3.3	37.2	22	10	02	44.5	106.5	55	33.3	66.3 28		20.0 {27 10}	0} 4.90 {500	15						
RF17200VR	200	86.0	65.0	25	18	69	50.8	127	60.5	66.5	5.5 75.5 31	31	35.0 {3570}	6.08 {620}	20						

Note: Contact a Tsubaki representative regarding delivery. The above dimensions are nominal dimensions and may differ from actual dimensions.

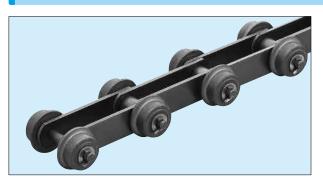


Note: Specify the model number and contact a Tsubaki representative for a quote.

Industry Specific Products

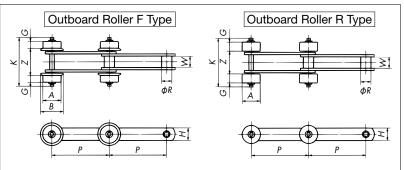
Outboard Roller Conveyor Chain (Free Flow Conveyance)

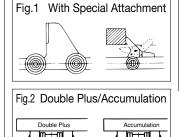
Attachment Type: SR



This chain features an outboard roller on the S roller of a base conveyor chain. The sprocket engages the center S rollers, while the outboard rollers handle running. Tsubaki can manufacture outboard rollers for any chain series.

- 1. For special attachments to the plate. (Fig. 1)
- 2. For when supporting loads on the center S roller is difficult.
- 3. For when having a guide on the chain's return side is difficult.
- 4. For giving double speed and accumulation capabilities to R roller outboard rollers. (Fig. 2)







Size and	Pitch	Roller Dia.	Inner Link	Plate	Total Width	Outk	ooard R	oller F	Туре	Outk	ooard Ro Type	oller R	Additional Mass of Outboard	Outboard Rol Lo (both side	
Roller Type	P	R R	W	Height H	K	Α	В	G	Z	Α	G	Z	Rollers (both sides) kg	Outboard Rollers Non-heat Treated	Outboard Rollers Hardened
RF03075S	75	15.9	16.1	22	76	31.8	42	12	38	31.8	15.5	31	0.3	0.69 {70}	1.08{110}
RF03100S	100	13.7	10.1	22	70	31.0	42	12	30				0.5	0.09 (70)	1.00(110)
RF430S	101.6	20.1	22.6	25.4	104	38.1	50	15	56.5	38.1	20	46.5	0.5	0.98{100}	1.57{160}
RF05075S	75														
RF05100S	100	22.2	22	32	102	40	50	14	55	40	19	45	0.5	1.17{120}	1.96{200}
RF05125S	125	22.2	22	52	102	40	30	1-4		40	' ′	43	0.5	1.17 (120)	1.70(200)
RF05150S	150														
RF450S	101.6	22.2	27	28.6	130	44.5	55	20	70.5	44.5	26	58.5	0.7	1.67{170}	2.35{240}
RF10100S	100														
RF10125S	125	29	30	38.1	136	50.8	65	20	73	50.8	26	61	1.0	1.96{200}	3.24{330}
RF10150S	150														
RF6205S	152.4	34.9	37.1	44.5	167	57.2	70	25	90.5	57.2	32	76.5	1.3	2.75{280}	4.61{470}
RF12200S	200	34.9	37.1	44.5	167	65	80	24	92.5	65	32	76.5	1.8	2.75{280}	4.61{470}
RF12250S	250	04.7	07.1	44.0	107	00			72.0	00		7 0.0	1.0	2.7 0(200)	4.01 (47 0)
RF17200S	200														
RF17250S	250	40.1	51.4	50.8	189	65	80	24	112.5	65	32	96.5	1.8	3.14{320}	5.30{540}
RF17300S	300														
RF26200S	200														
RF26250S	250	44.5	57.2	63.5	230	80	100	34	124.5	80	44	104.5	3.8	4.90{500}	8.43{860}
RF26300S	300														
RF36250S	250														
RF36300S	300	50.8	66.7	76.2	268	100	125	38	150.5	100	50	126.5	6.9	6.57{670}	11.1{1130}
RF36450S	450														

- Note: 1. Outboard rollers allowable load values indicated are under lubricated conditions.

 - Basic chain specifications are the same as RF Conveyor Chain.
 The above dimensions are nominal dimensions and may differ from actual dimensions.





Top Roller Conveyor Chain (Free Flow Conveyance)

Attachment Type: TR

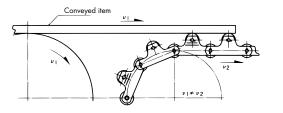


Fig. 2 Alleviates shock impact during transfer

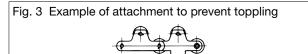
Fig. 1 Conveyed item stopped on conveyor

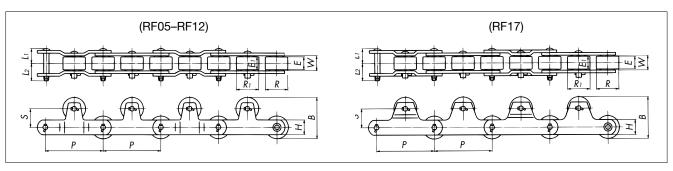
Top rollers are attached to a base conveyor chain between pitches, allowing for direct support of conveyed items. Tsubaki can manufacture top rollers for any chain series.

- Tsubaki can manufacture engineering plastic and bearing roller top rollers.
- ▶ We can also manufacture attachments to prevent toppling. (Fig. 3)
- Standard sprockets cannot be used as their teeth contact the top rollers. Use only top roller sprockets.



- 1. Chain can be run continuously, and conveyed items can be accumulated or temporarily stopped on top of the conveyor through the use of dogs. (Fig 1)
- 2. Conveying and stopping can be performed simultaneously on top of the same chain. (Fig. 1)
- 3. Alleviates shock impact during operation. (Fig. 2)





Size and	Pitch	Ro	ller	Inner Link	Plate		in		Тор Г	Roller		Chain Approx.	Additional Mass per	Top Roller All kN{kgf	owable Load /each}
Roller Type	P	Dia. R	Contact Width E	Inner Width W	Height <i>H</i>	Lı	L2	S	Rı	Εı	В	Mass kg/m	Top Roller kg	Non-heat Treated	Hardened
*RF03075R-TR	75	31.8	15.5	16.1	22	18	20	23.1	40	PL:20	59	2.7	0.18	0.34 {35}	0.59 {60}
*RFO3100R-TR	100	31.0	13.3	10.1	22	10	20	23.1	40	RL:13	39	2.3	0.10	0.34 {33}	0.39 {00}
RFO5100R-TR	100	40	19	22	32	25	28.5	30	40	19	70	5.0	0.26	0.64 {65}	1.03{105}
RFO515OR-TR	150	40	17	22	32	23	20.5	30	40	17	70	4.1	0.20	0.04 {03}	1.03{103}
RFO8150R-TR	150	44.5	24	27	28.6	31	34.5	30	40	23	72.2	5.5	0.35	0.78 {80}	1.27{130}
RF10150R-TR	150	50.8	27	30	38.1	33	36	30	50.8	27	80.8	7.9	0.56	1.13{115}	1.91{195}
RF6205R-TR	152.4	57.2	32	3 <i>7</i> .1	44.5	40.5	43	37.8	57.2	32	95	12.1	0.91	1.47{150}	2.50{255}
RF12200R-TR	200	65	32	37.1	44.5	40.5	43	45	65	32	110	11.4	1.15	1.47{150}	2.50{255}
RF17200R-TR	200	80	44	51.4	50.8	51.5	58	65	80	44	145	19	2.58	2.45{250}	4.12{420}

Sizes marked with * have flat plates. E1 dimensions are PL: 20 (width of roller attached to outer link), PL: 13 (width of roller attached to inner link).

Top roller allowable load shows values under lubricated conditions.

MoS2 grease is applied between top roller and top roller pin when shipped 4. The above dimensions are nominal dimensions and may differ from actual dimensions.

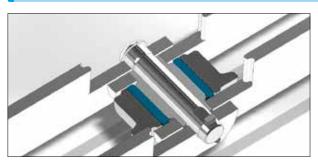
Ordering Top Roller Conveyor Chain (Made to Order) Please indicate the following when ordering: 1. Chain size and base specifications 2. Top roller specifications (hardened/unhardened) 3. Top roller attachment spacing Ordering Example **Model Numbering Example** RF17200R-AT-2LTRH+400L-PR Size: RF17 Pitch: 200mm Roller Type: R Roller Series: AT Series End Link Attachment Spacing: Every 2nd link No. of Links Attachment Type: Hardened Top Roller Quantity: 400 links Roller Type Top Roller Type (R roller only) TRN: Top Roller Non-heat Treated Chain Number Unit Quantity TRH: Top Roller Hardened RF17200R-AT-2LTRH+400L-PR Attachment Spacing

Industry Specific Products

Conveyor Chain for Shower Testers and Final Inspection Lines 🔯



Roller Type: WDR/WDF

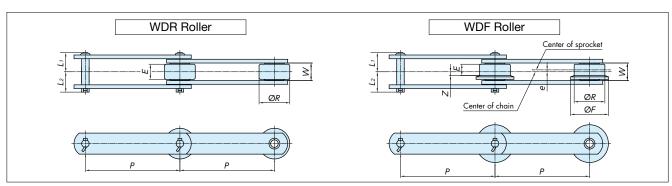


Long-life chain that uses a special plastic on the inner circumference of the rollers, enabling operation without lubrication both under water showers or in the dry state.

Allows combining a shower tester line and inspection line into a single unit, as well as providing a countermeasure against corrosion and wear in the final inspection line.

- O · Excellent O: Can be used
- ☐: Can be used under certain conditions.
- x: Cannot be used

	Roller type	Bearing Roller C	Conveyor Chain	Reference: RT Series
	WDR/WDF	Lube-free/water resistant series	Standard series	(base chain)
Shower tester	0	0	×	Δ
Inspection line	©	△ (Requires water lubrication)		△ (Requires lubrication)
Rolling friction coefficient	0.12	0.03	0.03	0.15
Note	Capable of wet and dry usage without lubrication	Optimal for shower tester applications	Not suitable for applications with exposure to water	SUS corrosion resistant chain



						R Rollei	ſ			Inner			Pin		Approx	c. Mass	Roller
C:	D II T	Pitch	R Ro	oller			F Roller	•		Link	Plate				kg	/m	Allowable
Size	Roller Type	P	Dia. R	Contact Width E	Dia. R	Flange Dia. <i>F</i>	Contact Width E	Off- center e	Z	Inner Width W	Height H	L1+L2	Lı	L ₂	R Roller	F Roller	Load kN{kgf/ each}
RF10125		125													8.7	9.0	0.00
RF10150	WDR/WDF	150	50.8	27	50.8	65	20	3	7	30.0	38.1	69	33	36	8.0	8.3	0.98 {100}
RF10200		200													6.8	<i>7</i> .1	[100]
RF12200		200													11.6	12.1	1 47
RF12250	WDR/WDF	250	65	32	65	80	24	4	8	37.1	44.5	83.5	40.5	43	10.5	10.8	1. <i>47</i> {150}
RF12300		300													9.6	9.9	(100)
RF17250	WDR/WDF	250	80	44	80	100	34	5	12	51.4	50.8	109.5	51.5	58	17	18	2.45
RF17300	VVDK/ VVDI	300	80	44	80	100	34		12	31.4	30.6	107.5	31.3	50	16	16	{250}
RF26250	WDR/WDF	250	100	50	100	125	38	6	13	57.2	63.5	116.5	55.5	61	26	27	3.19
RF26300	VVDK/ VVDF	300	100	50	100	123	30	O	13	37.2	03.5	110.5	55.5	01	23	24	{325}

- Note: 1. The base chain can be selected from RT, GS, or other chain series. Refer to the base chain's strength for maximum allowable load.
 - 2. We can also manufacture chain with outboara rollers. Conflict a reposition of the same as RF conveyor chain.

 3. Plate width, pin length, and attachment dimensions are the same as RF conveyor chain. We can also manufacture chain with outboard rollers. Contact a Tsubaki representative for details.
 - The above dimensions are nominal dimensions and may differ from actual dimensions.

Ordering Conveyor Chain for Shower Testers and Final Inspection Lines (Made to Order) **Model Numbering Example Ordering Example** RF12200WDF-GS-1L A2+400L-PR Size: RF12 Pitch: 200mm Roller Type: WDF Roller Series: GS Series End Link Attachment Spacing/Type: A2 every link No. of Links Quantity: 400 links x 2 strands in parallel Roller Type Attachment Type Attachment Spacing Series Chain Number Quantity Unit RF12200WDF-GS-1LA2+400L-PR Η

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