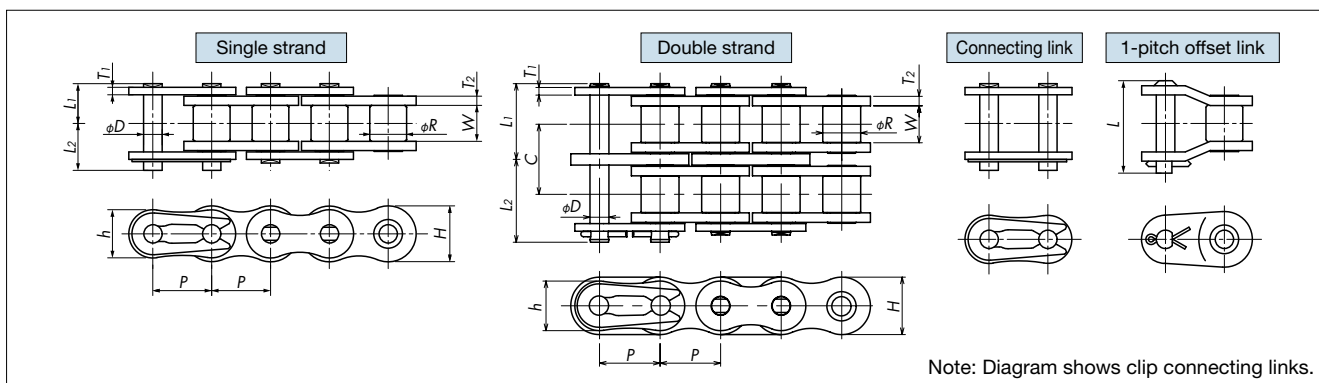


Lube-Free Roller Chains LAMBDA Chain (Surface Treated LAMBDA Chain NP Series RS Double Strand Compatible LAMBDA Chain)



Specifications (common to Lambda Chain and Surface Treated Lambda Chain NP Series)

Tsubaki chain number		Pitch <i>P</i>	Roller dia. <i>R</i>	Inner width of inner link <i>W</i>	Plates				Pins				Offset pin length <i>L</i>	Transverse pitch <i>C</i>	Min. tensile strength kN{kgf}		Approx. mass kg/m		Links per unit	Allowable speed m/min			
1-strand	2-strand				Thickness		Height		Dia. <i>D</i>	<i>L</i> ₁		<i>L</i> ₂			1-strand	2-strand	1-strand	2-strand			1-strand	2-strand	
					<i>T</i> ₁	<i>T</i> ₂	<i>H</i>	<i>h</i>															
RS40-LMD-1	RS40-LMDS-2	12.70	7.92	7.55	1.5	2.0	12.0	10.4	3.97	8.75	15.95	10.45	17.65	20.0	14.4	17.7{1800}	30.0{3060}	0.70	1.4	240	150		
RS50-LMD-1	RS50-LMDS-2	15.875	10.16	9.26	2.0	2.4	15.0	13.0	5.09	10.75	19.85	12.45	21.55	24.0	18.1	28.4{2900}	48.3{4930}	1.11	2.2	192	135		
RS60-LMD-1	RS60-LMDS-2	19.05	11.91	12.28	2.4	3.2	18.1	15.6	5.96	13.70	25.15	15.70	26.95	32.0	22.8	40.2{4100}	68.4{6970}	1.72	3.4	160	120		
RS80-LMD-1	RS80-LMDS-2	25.40	15.88	15.48	3.2	4.0	24.1	20.8	7.94	17.15	31.75	20.25	34.75	39.9	29.3	71.6{7300}	122{12400}	2.77	5.5	120	90		
RS100-LMD-1	RS100-LMDS-2	31.75	19.05	18.70	4.0	4.8	30.1	26.0	9.54	20.65	38.50	23.85	41.60	47.5	35.8	107{10900}	181{18500}	4.30	8.6	96	80		
RS120-LMD-1	RS120-LMDS-2	38.10	22.23	24.75	4.8	5.6	36.2	31.2	11.11	25.75	48.55	29.95	52.55	59.0	45.4	148{15000}	252{25700}	6.4	13.0	80	50		
RS140-LMD-1	RS140-LMDS-2	44.45	25.40	24.75	5.6	6.4	42.2	36.4	12.71	27.70	52.20	32.20	56.60	63.7	48.9	193{19700}	329{33500}	8.1	16.5	68	50		
RS160-LMD-1	RS160-LMDS-2	50.80	28.58	31.2	6.4	7.15	48.2	41.6	14.29	32.75	62.05	37.65	66.85	74.1	58.5	255{26000}	433{44200}	10.5	21.4	60	50		

Note: 1. Single strand or double strand. Offset links are not available for double-strand chain.

2. Items in bold are stocked in units. Surface-treated Lambda Chain (NP Series) is stocked in single-strand in sizes from RS40 to RS100.

3. RS Double Strand Compatible Chain uses a flat middle plate : RS40 to RS100 use one middle plate, while RS120 to RS160 use two middle plates.

Model numbering example

RS80 -LMD -1 -RP + 110L -MWJR

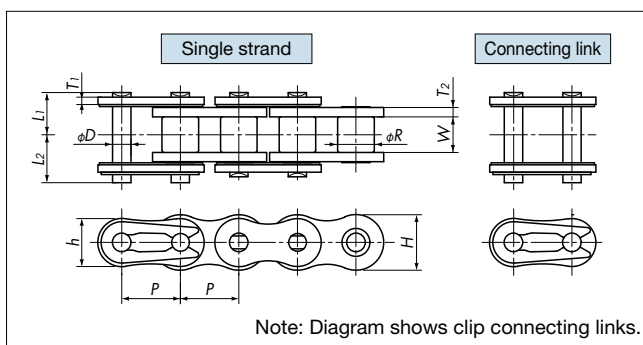
Size Series Number of strands Pin type Number of links End link

Model numbering example

RS100 -LMDS -2 -RP + 86L -MWJR

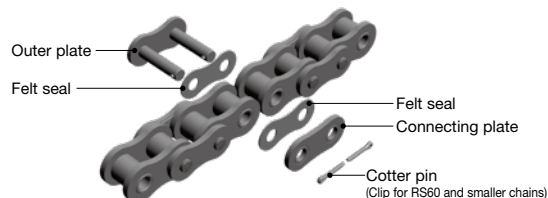
Size Series Number of strands Pin type Number of links End link

Lube-Free Roller Chains LAMBDA Chain (X-Λ)



Connecting

Use a connecting link (with felt seal) to connect X-Lambda Chains. Set the felt seals on the inside of both the outer plate and connecting plate (as shown below).



Tsubaki chain number	Pitch P	Roller dia. R	Inner width of inner link W	Plates				Pins			Min. tensile strength kN{kgf}	Approx. mass kg/m	Links per unit	Allowable speed m/min
				Thickness	Height	Thickness	Height	Dia.	L ₁	L ₂				
RS40-LMDX-1	12.70	7.92	7.55	1.5	2.0	12.0	10.4	3.97	9.4	11.1	17.7{1800}	0.70	240	150
RS50-LMDX-1	15.875	10.16	9.26	2.0	2.4	15.0	13.0	5.09	11.4	13.1	28.4{2900}	1.11	192	135
RS60-LMDX-1	19.05	11.91	12.28	2.4	3.2	18.1	15.6	5.96	14.8	16.5	40.2{4100}	1.72	160	120
RS80-LMDX-1	25.40	15.88	15.48	3.2	4.0	24.1	20.8	7.94	18.3	20.9	71.6{7300}	2.77	120	90
RS100-LMDX-1	31.75	19.05	18.70	4.0	4.8	30.1	26.0	9.54	21.8	24.5	107{10900}	4.30	96	80
RS120-LMDX-1	38.10	22.23	24.75	4.8	5.6	36.2	31.2	11.11	26.7	30.8	148{15000}	6.40	80	50

Note: Offset links are not available.

Model numbering example

RS80 -LMDX -1 -RP + 110L -MWJR

Size Series Number of strands Pin type Number of links End link