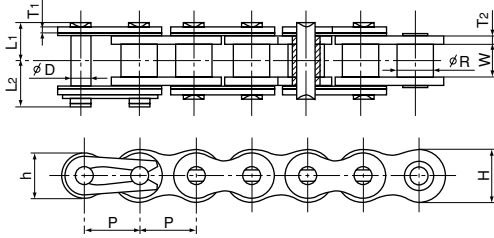


# X-Lambda Chain (X- $\Lambda$ )



X-Lambda has no offset links.

For #80 size and above, the connecting links are cottered pin type.

X-Lambda	Pitch <b>P</b>	Roller Diam. <b>R</b>	Width b/w Inner Link Plates <b>W</b>	Plate				Pin		
				Thickness <b>T<sub>1</sub></b>	Thickness <b>T<sub>2</sub></b>	Height <b>H</b>	Height <b>h</b>	Diam. <b>D</b>	<b>L<sub>1</sub></b>	<b>L<sub>2</sub></b>
<b>RSD 40X-<math>\Lambda</math></b>	12.70	7.92	7.55	1.5	2.0	12.0	10.4	3.97	9.4	11.1
<b>RSD 50X-<math>\Lambda</math></b>	15.875	10.16	9.26	2.0	2.4	15.0	13.0	5.09	11.4	13.1
<b>RSD 60X-<math>\Lambda</math></b>	19.05	11.91	12.28	2.4	3.2	18.1	15.6	5.96	14.8	16.5
<b>RSD 80X-<math>\Lambda</math></b>	25.40	15.88	15.48	3.2	4.0	24.1	20.8	7.94	18.3	20.9
<b>RSD100X-<math>\Lambda</math></b>	31.75	19.05	18.70	4.0	4.8	30.1	26.0	9.54	21.8	24.5
<b>RSD120X-<math>\Lambda</math></b>	38.10	22.23	24.75	4.8	5.6	36.2	31.2	11.11	26.7	30.75

X-Lambda	Ave. Tensile Strength kN(kgf)	Max. Allowable Load kN(kgf)	Approx. Mass kg/m	No. of Links/Unit	Allowable Speed m/min
<b>RSD 40X-<math>\Lambda</math></b>	19.1 (1950)	363.0 (370)	0.70	240	150
<b>RSD 50X-<math>\Lambda</math></b>	31.4 (3200)	6.37 (650)	1.11	192	135
<b>RSD 60X-<math>\Lambda</math></b>	44.1 (4500)	8.83 (900)	1.72	160	120
<b>RSD 80X-<math>\Lambda</math></b>	78.5 (8000)	14.7 (1500)	2.77	120	90
<b>RSD100X-<math>\Lambda</math></b>	118.0 (12000)	22.6 (2300)	4.30	96	80
<b>RSD120X-<math>\Lambda</math></b>	167.0 (17000)	30.4 (3100)	6.4	80	50

■ **kW Rating Capacity:** Pgs. 41 - 43

■ **Operating Temperature:** -10°C ~ +150°C (+14°F ~ +302°F)

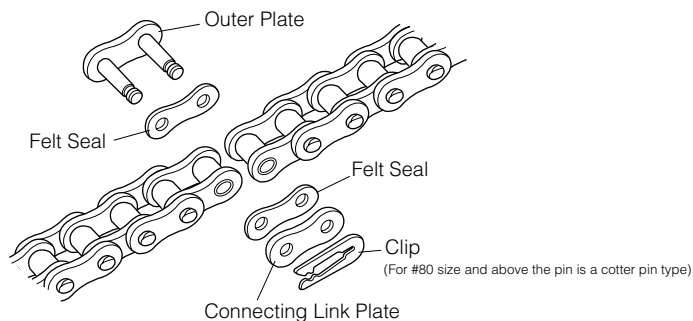
■ **Sprocket:** Standard RS Roller Chain sprockets can be used. (Only for Single Strand Chain)

■ **Attention for Use:**

- Inner plate is thicker than Standard RS Roller Chain. Also, due to the insertion of the Felt Seal, the pin is now longer (L<sub>1</sub>, L<sub>2</sub>). Please check for any interference.
- Offset links are not available. Please use an even number of links.
- As the Felt Seal is oil impregnated, the surface of X-Lambda has more oil on it than Standard Lambda Chain.

## Method of Connecting

When connecting the chain, please use an X-Lambda Chain connecting link (with a Felt Seal). As shown in Diag. 1, insert felt seals between the outer plate and the connecting link plate then attach the link. (Please refer to page 71 for essentials on cutting/connecting).



**Diag. 1 Attaching the connecting link**