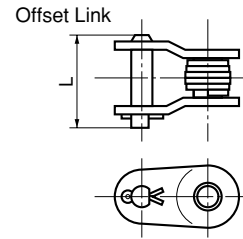
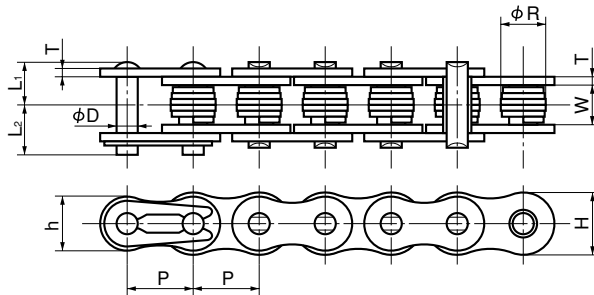


SN Roller Chain



Connecting links for RS80SN are cotter pin-type.

(Unit: mm)

Chain No.	Pitch P	Roller Diam. R	Width b/w Inner Link Plates W	Link Plate			Pin				
				Thickness T	Height H	Height h	Diam. D	L₁ + L₂	L₁	L₂	L
RS40SN	12.70	8.5	7.95	1.5	12.0	10.4	3.97	18.2	8.25	9.95	18.0
RS50SN	15.875	10.8	9.53	2.0	15.0	13.0	5.09	22.3	10.3	12.0	22.5
RS60SN	19.05	12.6	12.70	2.4	18.1	15.6	5.96	27.6	12.85	14.75	28.2
RS80SN	25.40	16.8	15.88	3.2	24.1	20.8	7.94	35.5	16.25	19.25	36.0

Chain No.	Min. Tensile Strength	Ave. Tensile Strength	Max. Allowable Load	Approx. Mass	No. of Links/Unit	Delivery
	kN(kgf)	kN(kgf)	kg/m	kg/m		
RS40SN	17.7(1800)	19.1(1950)	3.63(370)	0.64	240	Stock Items
RS50SN	28.4(2900)	31.4(3200)	6.37(650)	1.04	192	
RS60SN	40.2(4100)	44.1(4500)	8.83(900)	1.53	160	
RS80SN	71.6(7300)	78.5(8000)	14.7(1500)	2.66	120	

Note: When one-pitch offset links (OL) are used, the Max. Allowable Load becomes 65% of the values shown above.

■ RS40SN kW Ratings Table (Single strand Chain Drive kW)

Small Sprocket Teeth No.	Small Sprocket Revolution Speed (r/min)													
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600
	Manual Lubrication or Drip Lubrication									Oil Bath				
9	0.05	0.11	0.21	0.39	0.72	1.04	1.35	1.64	1.06	0.73	0.62	0.47	0.38	0.31
10	0.05	0.12	0.23	0.43	0.81	1.16	1.51	1.84	1.25	0.85	0.73	0.55	0.44	
11	0.06	0.14	0.26	0.48	0.90	1.29	1.67	2.04	1.44	0.99	0.84	0.64	0.51	
12	0.07	0.15	0.28	0.53	0.98	1.42	1.84	2.24	1.64	1.12	0.96	0.73		
13	0.07	0.17	0.31	0.57	1.07	1.54	2.00	2.45	1.85	1.27	1.08	0.82		
14	0.08	0.18	0.33	0.62	1.16	1.67	2.17	2.65	2.06	1.42	1.21			
15	0.08	0.19	0.36	0.67	1.25	1.80	2.34	2.86	2.29	1.57	1.34			
16	0.09	0.21	0.39	0.72	1.34	1.93	2.50	3.06	2.52	1.73				
17	0.10	0.22	0.41	0.77	1.43	2.06	2.67	3.27	2.76	1.89				
18	0.10	0.23	0.44	0.82	1.52	2.20	2.84	3.48	3.01					
19	0.11	0.25	0.46	0.87	1.62	2.33	3.02	3.69	3.26					
20	0.12	0.26	0.49	0.92	1.71	2.46	3.19	3.90	3.52					
21	0.12	0.28	0.52	0.96	1.80	2.59	3.36	4.11	3.79					
22	0.13	0.29	0.54	1.01	1.89	2.73	3.53	4.32	4.06					
23	0.13	0.31	0.57	1.06	1.99	2.86	3.71	4.53						
24	0.14	0.32	0.60	1.11	2.08	3.00	3.88	4.74						
25	0.15	0.33	0.62	1.16	2.17	3.13	4.06	4.96						
26	0.15	0.35	0.65	1.21	2.27	3.27	4.23	5.17						
28	0.17	0.38	0.71	1.32	2.46	3.54	4.58	5.60						
30	0.18	0.41	0.76	1.42	2.65	3.81	4.94	6.04						
32	0.19	0.44	0.81	1.52	2.84	4.09	5.29							
35	0.21	0.48	0.90	1.67	3.13	4.50	5.83							
40	0.24	0.56	1.04	1.93	3.61	5.20								
45	0.28	0.63	1.18	2.20	4.10	5.91								

Note: When one-pitch offset links (OL) are used, the kW ratings become 80% of the values shown above.

CHAIN