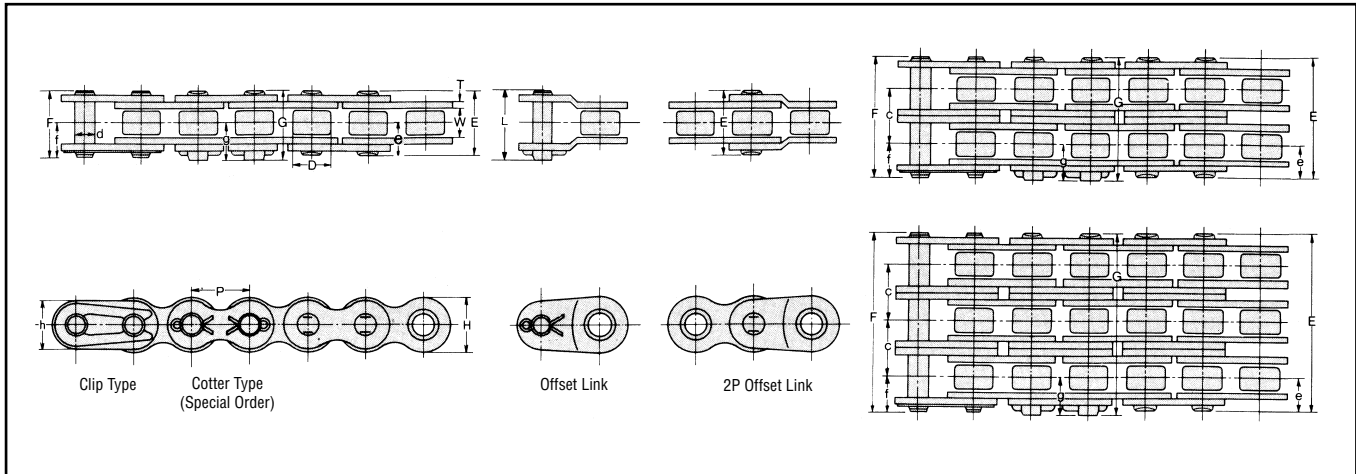


RC50 Standard Roller Chain

TRANSMISSION
ROLLER CHAIN



Dimensions

Unit (inch)

Chain No.	Pitch	Roller Link Width	Roller Dia.	Pin									Transverse Pitch	Plate				JIS Min. Tensile Strength	DID Min. Tensile Strength	DID Avg. Tensile Strength	DID Max. Allowable Load	Approx. Weight (lbs/ft)
				d	E	F	G	L	e	f	g	C		T	H	h						
RC50	50	0.625	0.375	0.400	0.200	0.799	0.862	0.870	0.913	0.402	0.457	0.476	0.713	0.079	0.591	0.512	4891	5940	6930	1540	0.71	
RC50-2	50-2					1.516	1.579	1.587	1.626								9781	11880	13860	2618	1.37	
RC50-3	50-3					2.232	2.295	2.303	2.343								14672	17820	20790	3850	2.05	
RC50-4	50-4					2.945	3.008	3.016	3.016								19562	23760	27720	5082	2.72	
RC50-5	50-5					3.661	3.720	3.728	3.728								24453	29700	34650	6006	3.41	

Max. Horsepower Ratings

Unit (hp)

Type of Lubrication No. of Teeth of Small Sprocket	Revolutions per minute-Small Sprocket (rpm) (Please refer to P.76 for more details regarding type of lubrication A, B and C.)																			
	50	100	300	500	900	1200	1500	1800	2100	2400	2700	3000	3300	3500	4000	4500	5000	5400	5800	6200
	A					B					C									
11	0.64	1.21	3.24	5.13	8.70	10.20	7.33	5.58	4.42	3.62	3.03	2.59	2.25	2.05	1.69	1.41	1.21	1.07	0.97	
12	0.71	1.33	3.55	5.63	9.56	11.70	8.35	6.35	5.04	4.13	3.46	2.95	2.56	2.35	1.92	1.61	1.37	1.22	1.10	
13	0.78	1.45	3.87	6.14	10.40	13.20	9.41	7.16	5.68	4.65	3.90	3.32	2.88	2.64	2.16	1.81	1.54	1.38	1.23	
14	0.84	1.57	4.21	6.65	11.30	14.60	10.50	8.00	6.35	5.20	4.36	3.73	3.23	2.95	2.41	2.02	1.73	1.54		
15	0.90	1.69	4.53	7.17	12.20	15.80	11.70	8.87	7.05	5.76	4.84	4.13	3.58	3.27	2.68	2.25	1.92	1.70		
16	0.97	1.81	4.85	7.69	13.00	16.90	12.90	9.79	7.76	6.35	5.32	4.54	3.94	3.61	2.95	2.48	2.12	1.88		
17	1.03	1.93	5.19	8.20	13.90	18.10	14.10	10.70	8.50	6.96	5.83	4.97	4.32	3.95	3.23	2.71	2.32	2.06		
18	1.10	2.05	5.51	8.73	14.90	19.20	15.30	11.70	9.26	7.57	6.35	5.43	4.71	4.30	3.53	2.95	2.52			
19	1.17	2.17	5.84	9.25	15.70	20.40	16.60	12.70	10.00	8.22	6.89	5.88	5.09	4.66	3.82	3.20	2.73			
20	1.23	2.29	6.18	9.79	16.60	21.60	18.00	13.70	10.80	8.87	7.44	6.35	5.51	5.04	4.13	3.46	2.95			
21	1.30	2.43	6.51	10.30	17.60	22.70	19.30	14.70	11.70	9.56	8.00	6.84	5.92	5.43	4.44	3.73	3.18			
22	1.37	2.55	6.85	10.80	18.40	23.90	20.80	15.80	12.50	10.20	8.58	7.33	6.35	5.82	4.76	3.99	3.40			
23	1.43	2.67	7.18	11.40	19.30	25.10	22.10	16.90	13.40	11.00	9.17	7.83	6.80	6.22	5.09	4.26				
24	1.50	2.80	7.52	11.90	20.20	26.10	23.60	18.00	14.20	11.70	9.79	8.35	7.24	6.62	5.43	4.54				
25	1.57	2.92	7.86	12.50	21.20	27.30	25.10	19.20	15.10	12.40	10.40	8.87	7.69	7.05	5.76	4.84				
28	1.77	3.31	8.89	14.10	23.90	31.00	29.80	22.70	18.00	14.70	12.30	10.50	9.12	8.35	6.84					
30	1.90	3.57	9.57	15.10	25.70	33.40	33.00	25.10	20.00	16.40	13.70	11.70	10.10	9.26	7.57					
32	2.05	3.82	10.30	16.20	27.60	35.80	36.30	27.60	22.00	18.00	15.00	12.90	11.10	10.20	8.35					
35	2.25	4.21	11.30	18.00	30.40	39.40	41.60	31.60	25.10	20.50	17.30	14.70	12.70	11.70	9.56					
40	2.60	4.85	13.10	20.60	35.10	45.40	50.80	38.60	30.70	25.10	21.00	18.00	15.50	14.20						
45	2.96	5.52	14.90	23.50	39.80	51.60	60.60	46.10	36.60	30.00	25.10	21.40	18.60							
50	3.31	6.18	16.60	26.30	44.60	57.90	70.80	54.00	42.90	35.10	29.40	25.10								
55	3.67	6.85	18.40	29.20	49.50	64.20	78.40	62.30	49.50	40.50	33.90									
60	4.03	7.53	20.20	32.00	54.40	70.50	86.20	71.00	56.40	46.10										

Note: Value in above table is for single strand chain only.

For multiplex chain, please apply the coefficient of Multi-strand. Please refer to chain selection on P.64.