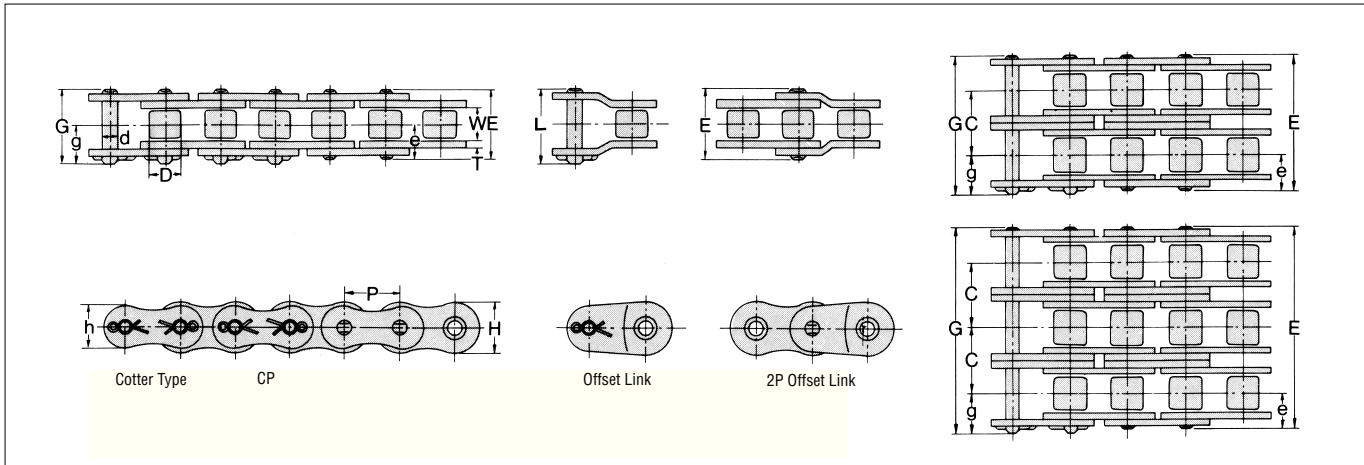


RC80 Standard Roller Chain



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	d	E	G	L	e	g		C	T	H					
RC80	80	1.000	0.625	0.625	0.313	1.283	1.394	1.461	0.646	0.748	1.154	0.126	0.945	0.819	12474	16060	17600	3300	1.71
RC80-2	80-2					2.437	2.547	2.610							24948	32120	35200	5610	3.40
RC80-3	80-3					3.594	3.701	3.744							37422	48180	52800	8250	5.08
RC80-4	80-4					4.748	4.854	4.898							49896	64240	70400	10890	6.77
RC80-5	80-5					5.902	6.008	6.051							62370	80300	88000	12870	8.45

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.)																								
	25					50					100					200					300				
	A					B					C														
11	1.51	2.84	5.29	9.88	14.20	18.50	22.50	30.60	22.90	19.60	14.90	11.80	9.69	8.12	6.93	6.01	5.27	4.68	4.42	4.18	3.78	3.43	3.12		
12	1.68	3.12	5.82	10.90	15.70	20.20	24.80	33.50	26.10	22.40	17.00	13.50	11.00	9.25	7.90	6.85	6.01	5.34	5.04	4.77	4.30	3.90	3.57		
13	1.82	3.40	6.34	11.80	17.00	22.10	26.90	36.60	29.50	25.20	19.20	15.30	12.50	10.40	8.90	7.72	6.77	6.01	5.68	5.38	4.85	4.40	4.02		
14	1.97	3.69	6.88	12.80	18.50	24.00	29.20	39.50	33.00	28.20	21.40	17.00	13.90	11.70	9.96	8.63	7.57	6.72	6.34	6.01	5.42	4.92	4.49		
15	2.13	3.97	7.40	13.80	19.80	25.70	31.50	42.60	36.60	31.20	23.70	18.90	15.40	12.90	11.00	9.57	8.40	7.45	7.04	6.66	6.01	5.46			
16	2.28	4.25	7.94	14.90	21.30	27.60	33.80	45.70	40.30	34.50	26.10	20.80	17.00	14.20	12.20	10.50	9.25	8.20	7.75	7.35	6.62	6.01			
17	2.44	4.54	8.47	15.80	22.80	29.50	36.10	48.80	44.10	37.70	28.70	22.80	18.60	15.50	13.30	11.50	10.10	8.98	8.50	8.04	7.25	6.58			
18	2.59	4.83	9.01	16.90	24.30	31.40	38.30	51.90	48.10	41.00	31.20	24.80	20.20	17.00	14.50	12.60	11.00	9.79	9.25	8.77	7.90	7.17			
19	2.75	5.12	9.56	17.80	25.70	33.20	40.60	55.10	52.10	44.50	33.90	26.90	22.00	18.50	15.70	13.70	12.00	10.60	10.00	9.50	8.57				
20	2.90	5.42	10.10	18.90	27.20	35.10	43.00	58.20	56.30	48.10	36.60	29.10	23.70	20.00	17.00	14.70	12.90	11.50	10.80	10.30	9.25				
21	3.06	5.71	10.60	19.80	28.70	37.10	45.30	61.40	60.60	51.70	39.40	31.20	25.60	21.40	18.20	15.80	13.90	12.30	11.70	11.00	9.96				
22	3.22	6.01	11.20	20.90	30.20	39.00	47.70	64.50	65.00	55.50	42.20	33.50	27.30	22.90	19.60	17.00	14.90	13.20	12.50	11.80	10.70				
23	3.38	6.30	11.70	22.00	31.60	40.90	50.00	67.70	69.40	59.20	45.20	35.80	29.40	24.50	20.90	18.20	16.00	14.20	13.40	12.70	4.91				
24	3.53	6.60	12.30	22.90	33.10	42.80	52.40	70.90	74.00	63.30	48.10	38.20	31.20	26.10	22.40	19.40	17.00	15.10	14.20	13.50					
25	3.69	6.89	12.90	24.00	34.60	44.80	54.70	74.00	78.70	67.20	51.10	40.60	33.20	27.90	23.70	20.60	18.10	16.10	15.10	14.30					
28	4.17	7.79	14.50	27.10	39.00	50.50	61.80	83.60	93.30	79.60	60.60	48.10	39.40	33.00	28.20	24.40	21.40	19.00	18.00						
30	4.49	8.39	15.70	29.20	42.10	53.80	66.60	88.30	67.20	53.40	43.70	36.60	31.20	27.10	23.70	21.00	8.08								
32	4.81	8.99	16.80	31.40	45.00	58.40	71.40	96.60	114	97.30	74.00	38.70	32.00	28.00	24.50	21.50	19.00	18.00							
35	5.31	9.91	18.50	34.50	49.70	64.30	78.70	107	130	111	84.70	42.00	35.00	30.00	26.00	23.00	20.00	19.00							
40	6.13	11.40	21.30	39.80	57.40	74.40	90.90	123	154	135	103	48.00	40.00	34.00	29.00	25.00	22.00	21.00							
45	6.96	13.00	24.30	45.30	65.10	84.50	103	139	176	162	123	52.00	44.00	38.00	32.00	28.00	25.00	24.00							
50	7.80	14.60	27.20	50.70	73.10	94.60	116	157	196	190	145	56.00	48.00	41.00	35.00	31.00	28.00	27.00							
55	8.65	16.10	30.20	56.20	81.00	105	128	173	217	220	166	60.00	52.00	44.00	37.00	33.00	30.00	29.00							
60	9.50	17.70	33.10	61.80	88.90	115	141	190	239	249	190	64.00	56.00	47.00	40.00	36.00	33.00	32.00							

Note: 1. 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.
2. Please consult with us when the ratings are to the right of the solid blue line.