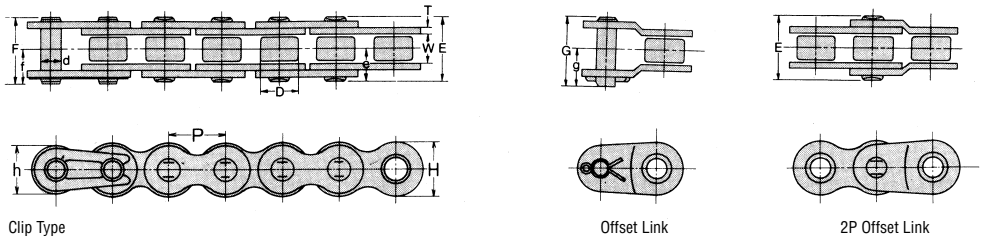
RC41 Standard Roller Chain



Dimensions

Unit (inch)

Chain No.		Pitch	Roller Link Width	Roller Dia.	Pin							Plate			JIS Min. Tensile Strength	DID Min. Tensile Strength	DID Avg. Tensile Strength	DID Max. Allowable Load	Approx. Weight (lbs/FT)
DID	ANSI	P	W	D	d	E	F	G	e	f	g	T	H	h	lbs	lbs	lbs	lbs	
RC41	41	0.500	0.251	0.306	0.141	0.539	0.575	0.602	0.272	0.311	0.335	0.047	0.378	0.315	1503	1980	2420	528	0.26

Max. Horsepower Ratings

Unit (hp)

No.of Teeth of Small Sprocket \ Type of Lubrication	Revolutions per minute-Small Sprocket (rpm) (Please refer to P.76 for more details regarding type of lubrication A, B and C.)																		
	50	200	400	600	900	1200	1800	2400	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
	A							B					C							
11	0.15	0.54	0.99	1.42	2.05	1.72	0.92	0.60	0.43	0.35	0.28	0.24	0.20	0.17	0.15	0.13	0.12	0.11	0.09	
12	0.16	0.58	1.09	1.57	2.25	1.94	1.06	0.68	0.50	0.39	0.32	0.27	0.23	0.20	0.17	0.16	0.13	0.12	0.11	
13	0.19	0.63	1.18	1.70	2.47	2.20	1.19	0.78	0.55	0.44	0.36	0.31	0.25	0.23	0.20	0.17	0.16	0.13	0.13	
14	0.20	0.68	1.29	1.85	2.67	2.45	1.34	0.87	0.62	0.50	0.40	0.34	0.29	0.25	0.21	0.20	0.17	0.16	0.15	
15	0.21	0.74	1.38	2.00	2.87	2.72	1.49	0.97	0.68	0.55	0.44	0.38	0.32	0.28	0.24	0.21	0.19	0.17		
16	0.23	0.79	1.49	2.13	3.08	3.00	1.64	1.06	0.76	0.60	0.50	0.42	0.35	0.31	0.27	0.24	0.21	0.19		
17	0.24	0.84	1.58	2.28	3.28	3.28	1.78	1.17	0.83	0.66	0.54	0.46	0.39	0.34	0.29	0.25	0.23	0.21		
18	0.25	0.90	1.69	2.43	3.50	3.58	1.94	1.26	0.91	0.72	0.59	0.50	0.42	0.36	0.32	0.28	0.25	0.23		
19	0.28	0.95	1.78	2.57	3.71	3.89	2.12	1.37	0.98	0.78	0.64	0.54	0.46	0.40	0.35	0.31	0.28	0.25		
20	0.29	1.02	1.89	2.72	3.91	4.20	2.28	1.49	1.06	0.84	0.68	0.58	0.50	0.43	0.38	0.34	0.29	0.27		
21	0.31	1.07	2.00	2.87	4.13	4.50	2.45	1.60	1.14	0.91	0.74	0.62	0.54	0.46	0.40	0.36	0.32	0.29		
22	0.32	1.13	2.09	3.02	4.34	4.84	2.63	1.72	1.22	0.97	0.79	0.67	0.56	0.50	0.43	0.39	0.35			
23	0.34	1.18	2.20	3.16	4.56	5.17	2.82	1.82	1.31	1.03	0.84	0.71	0.60	0.52	0.46	0.42	0.36			
24	0.35	1.23	2.31	3.31	4.77	5.51	3.00	1.94	1.39	1.11	0.91	0.76	0.64	0.56	0.50	0.44	0.39			
25	0.38	1.29	2.40	3.46	4.99	5.86	3.19	2.06	1.49	1.18	0.97	0.80	0.68	0.60	0.52	0.47				
28	0.42	1.46	2.72	3.91	5.63	6.94	3.78	2.45	1.76	1.39	1.14	0.95	0.82	0.71	0.62	0.55				
30	0.46	1.57	2.92	4.21	6.07	7.69	4.20	2.72	1.94	1.54	1.26	1.06	0.91	0.79	0.68					
32	0.48	1.68	3.14	4.52	6.51	8.43	4.61	3.00	2.14	1.70	1.39	1.17	0.99	0.86	0.76					
35	0.54	1.85	3.46	4.97	7.17	9.29	5.28	3.43	2.45	1.94	1.60	1.34	1.14	0.99						
40	0.62	2.14	3.99	5.75	8.28	10.70	6.45	4.20	3.00	2.39	1.94	1.64	1.39							
45	0.70	2.43	4.53	6.53	9.41	12.20	7.69	5.00	3.58	2.84	2.32	1.94								
50	0.78	2.72	5.08	7.32	10.50	13.70	9.02	5.86	4.20	3.32	2.72									
55	0.87	3.02	5.63	8.11	11.70	15.10	10.40	6.76	4.84	3.83										
60	0.95	3.31	6.18	8.91	12.80	16.60	11.80	7.69	5.51											

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.