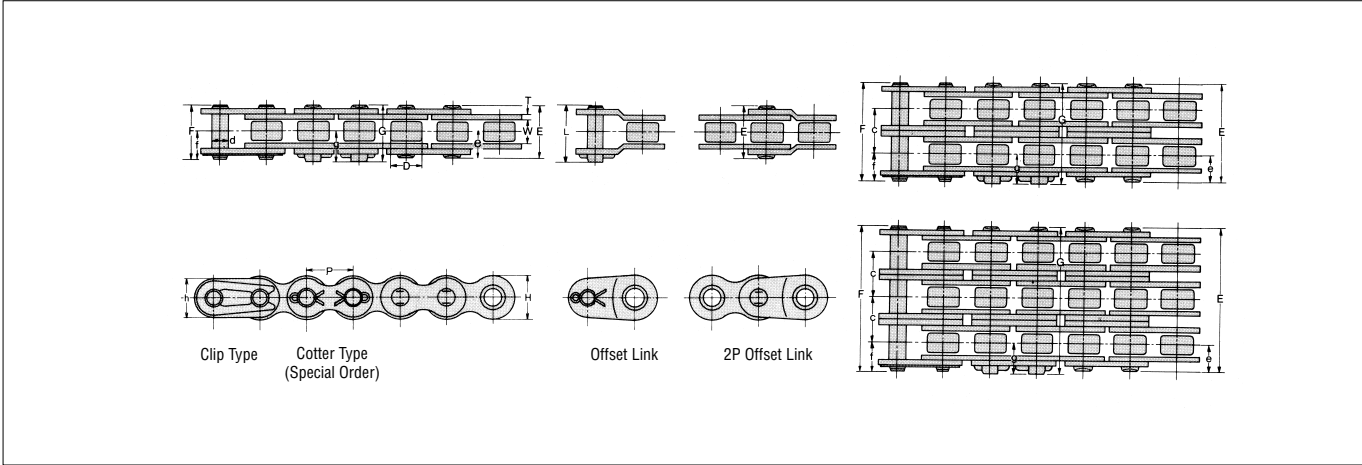


RC40 Standard Roller Chain

TRANSMISSION ROLLER CHAIN



Dimensions

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)
DID	ANSI	P	W	D	d	E	F	G	L	e	f	g	C	T	H	h	lbs	lbs	lbs	lbs	lbs/FT		
					Unit (inch)																		
RC40	40	0.500	0.313	0.312	0.156	0.650	0.693	0.713	0.752	0.327	0.374	0.398	0.567	0.059	0.472	0.409	3095	3520	4290	836	0.42		
RC40-2	40-2					1.220	1.264	1.283	1.323								6191	7040	8580	1408	0.80		
RC40-3	40-3					1.787	1.827	1.850	1.886								9286	10560	12870	2090	1.19		
RC40-4	40-4					2.358	2.402	2.417	2.417								12382	14080	17160	2750	1.59		
RC40-5	40-5					2.925	2.969	2.984	2.984								15477	17600	21450	3256	1.98		

Max. Horsepower Ratings

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	200	400	600	900	1200	1800	2400	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
	A								B				C							
11	0.27	0.94	1.74	2.52	3.63	4.71	4.66	3.03	2.17	1.72	1.41	1.18	1.01	0.87	0.76	0.68	0.60	0.55	0.50	
12	0.29	1.03	1.92	2.76	3.98	5.16	5.31	3.45	2.47	1.96	1.61	1.34	1.15	0.99	0.87	0.78	0.70	0.63	0.56	
13	0.32	1.13	2.09	3.02	4.34	5.63	5.99	3.89	2.79	2.21	1.81	1.51	1.30	1.13	0.98	0.87	0.78	0.71	0.64	
14	0.35	1.22	2.27	3.27	4.71	6.10	6.70	4.34	3.11	2.47	2.02	1.69	1.45	1.26	1.10	0.98	0.87	0.79	0.71	
15	0.38	1.31	2.44	3.53	5.07	6.57	7.43	4.83	3.45	2.73	2.24	1.88	1.61	1.39	1.22	1.09	0.97	0.87		
16	0.40	1.41	2.63	3.78	5.44	7.05	8.18	5.31	3.81	3.02	2.47	2.06	1.77	1.53	1.34	1.19	1.07	0.97		
17	0.43	1.50	2.80	4.03	5.80	7.52	8.95	5.82	4.17	3.31	2.71	2.27	1.93	1.68	1.47	1.30	1.17	1.06		
18	0.46	1.60	2.98	4.29	6.18	8.00	9.76	6.34	4.53	3.61	2.95	2.47	2.10	1.82	1.61	1.42	1.27	1.15		
19	0.48	1.69	3.15	4.54	6.55	8.49	10.60	6.88	4.92	3.90	3.19	2.68	2.29	1.98	1.74	1.54	1.38	1.25		
20	0.51	1.78	3.34	4.80	6.92	8.97	11.40	7.43	5.31	4.22	3.45	2.90	2.47	2.14	1.88	1.66	1.49	1.34		
21	0.54	1.89	3.51	5.07	7.29	9.45	12.30	7.99	5.72	4.53	3.71	3.11	2.65	2.31	2.02	1.80	1.61	1.45		
22	0.56	1.98	3.70	5.32	7.67	9.93	13.20	8.57	6.13	4.87	3.98	3.34	2.86	2.47	2.17	1.92	1.72			
23	0.60	2.08	3.87	5.59	8.04	10.40	14.10	9.16	6.55	5.20	4.26	3.57	3.04	2.64	2.32	2.05	1.84			
24	0.63	2.17	4.06	5.86	8.43	10.90	15.00	9.76	6.98	5.55	4.53	3.81	3.24	2.82	2.47	2.18	1.96			
25	0.66	2.28	4.25	6.11	8.81	11.40	16.00	10.40	7.43	5.90	4.83	4.05	3.45	2.99	2.63	2.33				
28	0.74	2.57	4.80	6.92	9.96	12.90	18.60	12.30	8.81	6.98	5.72	4.79	4.09	3.55	3.11	2.76				
30	0.79	2.77	5.17	7.44	10.70	13.90	20.00	13.70	9.76	7.75	6.34	5.31	4.53	3.93	3.45					
32	0.86	2.98	5.54	7.99	11.50	14.90	21.40	15.00	10.80	8.54	6.98	5.86	5.00	4.33	3.81					
35	0.94	3.27	6.10	8.79	12.70	16.40	23.60	17.20	12.30	9.76	7.99	6.70	5.72	4.96						
40	1.09	3.78	7.05	10.20	14.60	18.90	27.30	21.00	15.00	11.90	9.76	8.18	6.98							
45	1.23	4.29	8.02	11.50	16.60	21.60	31.00	25.10	18.00	14.20	11.60	9.76								
50	1.38	4.81	8.98	12.90	18.60	24.10	34.70	29.40	21.00	16.60	13.70									
55	1.53	5.34	9.95	14.30	20.60	26.80	38.50	33.90	24.30	19.30										
60	1.68	5.86	10.90	15.70	22.70	29.40	42.40	38.60	27.60											

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.