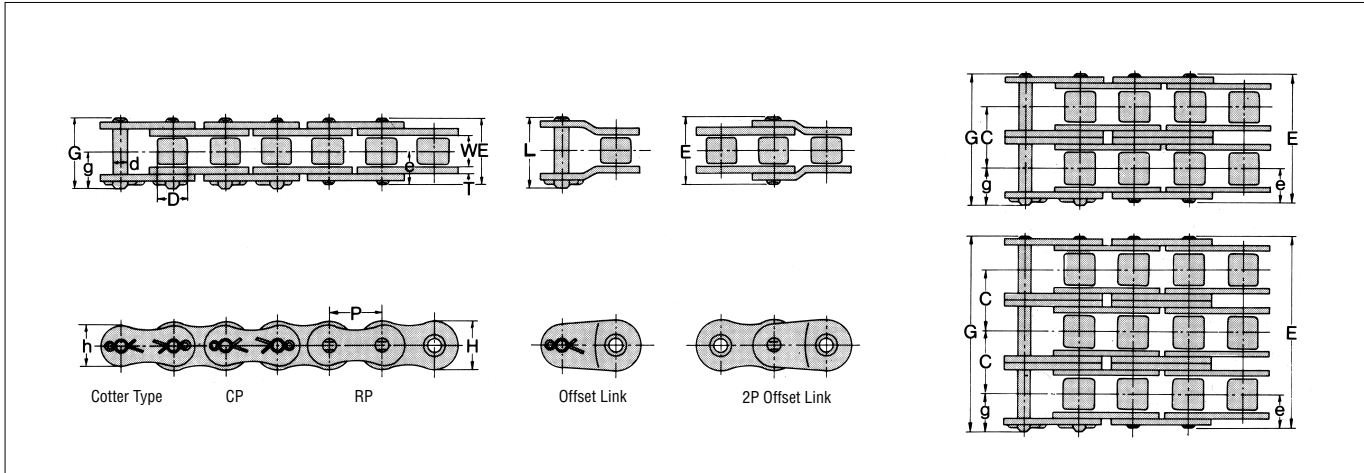


RC180 Standard Roller Chain

TRANSMISSION ROLLER CHAIN



Dimensions

Unit (inch)

Chain No.	Pitch	Roller Link Width W	Roller Dia. D	Pin						Transverse Pitch C	Plate			JIS Min. Tensile Strength lbs	DID Min. Tensile Strength lbs	DID Avg. Tensile Strength lbs	DID Max. Allowable Load lbs	Approx. Weight (lbs/FT)	
				d	E	G	L	e	g		T	H	h						
RC180	180	2.250	1.406	1.406	0.687	2.815	3.043	3.122	1.409	1.638	2.591	0.280	2.118	1.835	69286	74800	81400	13860	8.52
RC180-2	180-2					5.409	5.638	5.717							138572	149600	162800	23562	16.76
RC180-3	180-3					8.004	8.232	8.311							207858	224400	244200	34650	25.01
RC180-4	180-4					10.594	10.823	10.902							277144	299200	325600	45738	33.26
RC180-5	180-5					13.185	13.413	13.492							346430	374000	407000	54054	41.51

Max. Horsepower Ratings

Unit (hp)

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.)																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	10					25					50					100					150		200		250		300		350		400		450		500		550		600		650		700		750		800		850		900		950		1000		1050		1100																																																																																																																																																																																																																																																																																																																																																																																											
	A		B		C		A		B		C		A		B		C		A		B		C		A		B		C		A		B		C		A		B		C		A		B		C		A		B		C																																																																																																																																																																																																																																																																																																																																																																																																	
11	6.05	13.8	25.7	48.0	69.2	89.7	110	129	149	149	124	106	92	80.7	71.6	64.1	57.8	52.4	47.9	44.0	40.5	37.5	34.9	32.6	6.65	15.1	28.3	52.8	76.0	98.5	120	142	164	169	142	121	105	92.0	81.6	73.1	65.8	59.8	54.6	50.1	46.1	42.8	39.7	37.0	7.24	16.5	30.8	57.5	82.8	107	131	154	178	190	160	137	118	104	92.0	82.3	74.3	67.4	61.5	56.4	52.0	48.3	44.8	20.1	7.84	18.0	33.4	62.3	89.8	116	142	168	193	213	178	153	132	116	103	92.0	83.0	75.3	68.8	63.1	58.2	53.9	50.1	8.46	19.3	35.9	67.2	96.8	125	153	181	208	233	198	169	146	129	114	102	92.0	83.5	76.3	70.0	64.5	59.8	55.5	9.06	20.6	38.6	72.0	104	134	165	193	223	251	218	186	161	142	126	112	101	92.0	84.0	77.1	71.0	65.8	51.3	9.68	22.1	41.2	76.8	111	143	176	206	237	268	239	204	177	155	138	123	111	101	92.0	84.5	77.9	72.1	13.0	10.3	23.5	43.8	81.8	118	153	186	220	252	284	260	223	193	169	150	134	121	110	100	92.0	84.9	78.6	10.9	24.9	46.5	86.7	125	162	197	233	268	302	282	241	209	184	162	145	131	119	109	99.7	92.0	85.1	11.5	26.3	49.1	91.6	132	172	209	247	283	319	304	260	225	198	176	157	142	129	117	108	99.3	51.5	12.2	27.7	51.7	96.5	139	180	220	260	298	336	328	280	243	213	189	169	153	138	126	116	107	12.8	29.2	54.4	102	146	189	232	273	314	354	351	300	260	228	202	181	164	149	135	124	115	13.4	30.6	57.1	107	153	198	243	287	328	371	375	320	277	244	216	193	174	158	145	133	14.1	32.0	59.8	112	161	208	255	300	345	389	401	342	296	260	231	206	186	169	154	14.7	33.5	62.5	117	168	217	265	314	361	406	426	363	315	276	245	220	198	180	16.6	37.8	70.6	132	190	245	300	354	408	458	505	430	374	328	291	260	17.8	40.8	76.1	142	205	265	324	382	438	495	550	479	414	363	323	19.2	43.7	81.5	153	220	284	347	409	471	529	590	527	456	401	355	21.2	48.1	89.8	168	241	312	382	450	517	584	649	602	521	24.4	55.6	104	193	279	362	442	520	598	674	749	736	27.7	63.1	118	220	316	410	501	591	680	765	851	31.1	70.8	132	247	355	460	562	662	761	858	34.5	78.4	146	273	394	509	623	735	843	37.8	86.2	161	300	432	560	685	807

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.