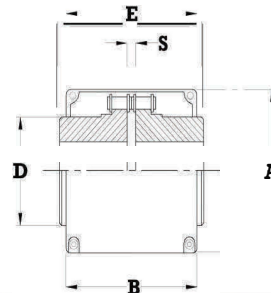


# Chain Couplings Sizes & Dimensions Power Ratings

**tmx** chain coupling is a flexible coupling of simple design consisting of a double-strand chain coupled with a pair of sprockets. It is simple, compact and has high torque capacity that is normally in excess of the torque transmitted by shaft.



**tmx coupling rating table (KW)-ALL FOR (MM) SIZE**

Coupling Size	Bore Diameter		E	D	S	Casing Dimension	
	Min	Max				A	B
KC-4012	14	22	79.4	32.5	7.4	79	72
KC-4014	14	28	79.4	41.5	7.4	85	74
KC-4018	16	32	87.4	49	7.4	94	76
KC-5014	17	35	98	53	9.7	102	84
KC-5016	18	40	98	60	9.7	111	84
KC-5018	18	45	99.7	70	9.7	122	85
KC-6018	22	56	122	85	11.5	143	106
KC-6020	24	60	122	98.5	11.5	159	106
KC-6022	28	71	122	110	11.5	166	117
KC-8018	32	80	139	110	15.2	189	127.5
KC-8020	36	90	143.5	120.5	15.2	210	136
KC-8022	40	100	155	139.5	15.2	226	136
KC-10020	45	110	176	159	18.8	280	153
KC-12018	50	125	199	169	22.7	303	181
KC-12020	35	135	200	189	22.7	330	135
KC-12022	56	140	218	209	22.7	358	181
KC-16018	60	160	251	218	30.1	383	226
KC-16022	80	200	308	280	30.1	450	230

Max allowable angular misalignment is 1°

Unit (kW)

Roller chain coupling No.	Max. allowable torque under 50 r/min		Number of revolution (r/min)																								
	kN·m	kgf·m	1	5	10	25	50	100	200	300	400	500	600	800	1000	1200	1500	1800	2000	2500	3000	3600	4000	4800	5200	6000	
KC-4012	0.249	25.4	0.03	0.13	0.26	0.65	1.31	2.00	3.11	4.06	4.91	5.72	6.48	7.94	9.33	10.6	12.6	14.5	15.7	18.9	21.9	25.6	28.1	33.0			
KC-4014	0.329	33.6	0.03	0.17	0.35	0.86	1.73	2.65	4.12	5.37	6.50	7.56	8.58	10.5	12.3	14.1	16.7	19.2	20.8	25.0	29.0	33.9	37.1	43.6			
KC-4016	0.419	42.8	0.04	0.22	0.44	1.10	2.20	3.38	5.25	6.84	8.28	9.64	10.9	13.3	15.7	17.9	21.2	24.5	26.6	31.8	37.0	43.2	47.3	55.6			
KC-5014	0.620	63.3	0.07	0.33	0.65	1.63	3.25	4.99	7.75	10.1	12.2	14.2	16.1	19.7	23.2	26.5	31.4	36.1	39.3	47.0	54.7	63.8					
KC-5016	0.791	80.7	0.08	0.41	0.83	2.07	4.14	6.35	9.88	12.8	15.5	18.1	20.5	25.1	29.5	33.8	40.0	46.1	50.0	59.9	69.7	81.3					
KC-5018	0.979	99.9	0.10	0.51	1.03	2.57	5.13	7.87	12.2	15.9	19.3	22.4	25.4	31.1	36.6	41.8	49.5	57.0	62.0	74.2	86.3						
KC-6018	1.81	185	0.19	0.95	1.91	4.77	9.54	14.6	22.7	29.6	35.8	41.7	47.3	57.9	68.1	77.8	92.1	106	115	138							
KC-6022	2.61	267	0.27	1.37	2.74	6.86	13.7	21.0	32.7	42.6	51.6	60.0	68.1	83.4	97.9	112	132	152	165	198							
KC-8018	3.92	400	0.41	2.06	4.11	10.2	20.6	31.5	49.0	63.8	77.3	89.9	102	124	146	167	198	228	248								
KC-8022	5.64	576	0.59	2.96	5.91	14.8	29.6	45.3	70.4	91.8	111	129	146	179	211	241	285	329	357								
KC-10020	8.40	857	0.88	4.40	8.80	22.0	44.0	67.4	104	136	165	192	218	267	314	359	425	489									
KC-12018	12.7	1,300	1.33	6.67	13.3	33.4	66.7	102	159	207	251	292	331	405	476	544	644										
KC-12022	18.3	1,870	1.92	9.60	19.2	48.0	96.0	147	228	298	361	420	476	583	685	783											
KC-16018	26.4	2,700	2.78	13.9	27.8	69.5	139	213	331	431	523	608	690	845	992												
KC-16022	38.1	3,890	4.00	20.0	40.0	100	200	306	476	621	752	875	992	1210	1420												

Max allowable parallel misalignment is 2% of the chain pitch.

In cases where the speed is above the speed indicated in the rating table by a dark line on their respective sizes the max allowable angular misalignment is 1/2 and axial misalignment is 1% of the chain pitch.

Dimension "S" distance must be achieved during installation to ensure proper seating of chain.

Lubricate chain and apply appropriate amount of grease before fixing the coupling cover. Do not forget to use the gasket.

Coupling can be used without the cover, but be sure to install the cover in the following circumstances:

- 1) When used in high speeds (rpm) applications.
- 2) When used in abrasive conditions caused by dust and abrasive material etc.
- 3) When used in corrosive conditions caused by humidity.
- 4) When start/stop frequency is particularly high or vibration is great.