

# Chain Couplings

## Chain Coupling Data

Coupling Size	Chain Size	Bore		Casing O.D. A	Casing Width B	Assembled Width C	Hub Length D	Hub Diameter E	Bolt Centres F	Torque Ratings Nm	Complete Mass kg
		Min	Max								
<b>3012</b>	35-2	12	15	70	62	65	28	25	57	150	0.5
<b>4012</b>	40-2	12	20	78	72	78	36	31	61	210	1.0
<b>4014</b>	40-2	12	25	85	75	80	36	43	72	300	1.4
<b>4016</b>	40-2	14	30	92	75	80	36	50	77	380	1.8
<b>5014</b>	50-2	14	35	101	84	100	45	53	82	550	2.5
<b>5016</b>	50-2	16	40	111	85	100	45	60	92	725	3.2
<b>5018</b>	50-2	16	45	123	85	100	45	70	106	925	4.0
<b>6018</b>	60-2	20	55	144	106	122	54	85	122	1750	7.2
<b>6020</b>	60-2	20	70	160	108	123	54	98	132	2050	9.5
<b>6022</b>	60-2	25	75	168	116	123	54	110	145	2400	11.3
<b>8018</b>	80-2	30	75	190	128	140	67	110	160	3800	14.7
<b>8020</b>	80-2	30	85	211	138	144	67	120	184	4700	18.2
<b>8022</b>	80-2	35	95	226	138	155	67	140	196	5500	23.3
<b>10020</b>	100-2	40	110	280	152	176	91	160	250	8700	36.0
<b>12018</b>	120-2	40	120	305	180	196	119	170	280	13250	49.0
<b>12022</b>	120-2	40	150	355	180	220	119	210	335	17800	77.0

### Chain Coupling Selection

In general, the torque capacity of the coupling exceeds the normal torque transmitted by the largest shaft size that the coupling can accommodate.

Therefore, select the smallest coupling which accommodates both shaft diameters.

Where there is reverse operation, shock loads, or any other severe operating condition, it is recommended that the next coupling size up is selected.

### Operation

In order to ensure that the maximum service life of the coupling is achieved, the cover together with the supplied 'O' rings should always be used. This is even more important when the drive is operating at high speeds or in a moist environment. The space between the cover and chain, should be filled with a soft to medium consistency grease.

