Chain Couplings

Chain Coupling Data

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

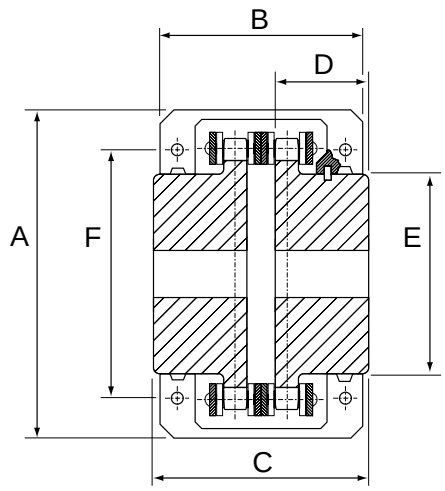
Therefore, select the smallest coupling which accommodates both shaft diameters.

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.

Chain Coupling Dimensions



All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused