

Roller Chain Couplings

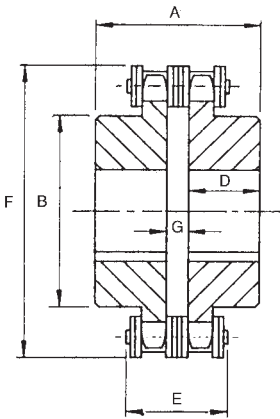


LRC Plain Bore - Roller Chain Coupling Dimensions

Available from stock with pilot bore, or can be quickly modified to customers shaft requirements; standard finished bores being to H8 tolerance.

Stock Coupling Dimensions

Coupling No.	Min Bore mm	Max. Bore mm	Dimensions mm						Approx. Weight kg
			A	B	D	E	F	G	
LRC 4012	10.0	22	63	33	28	33	61	7	0.6
	12.0	34	63	50	28	33	77	7	1.2
5016	15.9	45	81	64	37	38	96	7	2.2
	19.0	50	91	75	42	38	106	7	2.7
6018	19.1	57	106	87	49	44	126	8	5.1
	24.0	68	108	102	50	44	150	8	7.4
8018	25.4	80	136	117	60	71	167	16	11.4
	35.0	90	148	136	66	71	183	16	17.6
12016	38.1	105	186	156	81	105	230	24	29.0
	50.8	120	178	175	77	105	278	24	53.0
	12020	150	231	232	103	105	326	24	76.0
	12030	200	231	302	103	105	398	24	137.0

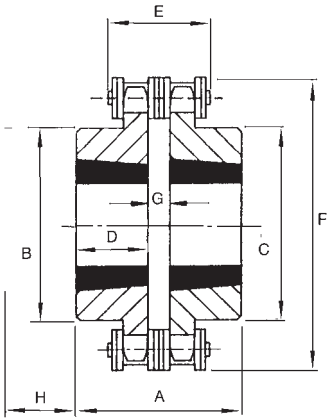


TB Taper Bore - Roller Chain Coupling Dimensions

Two types of sprockets are available; standard TBH with bushes mounted from the hub end, and type TBF where bushes are mounted from the flange (tooth) end of the sprocket.

Stock Coupling Dimensions

Coupling No.	Bush Size	Max. Bore mm	Dimensions in mm								Approx. Weight kg
			A	B	C	D	E	F	G	H ⁽¹⁾	
TB 4016	1108	28	51	52	50	22	33	77	7	20	0.8
TB 5018	1610	42	57	75	75	25	38	106	7	27	2.6
TB 6018	2012	51	72	90	87	32	44	126	8	35	2.9
TB 6022	2517	63	98	102	102	45	44	150	8	42	4.1
TB 8018	2517	63	106	108	100	45	71	167	16	42	6.8
TB 8020	3020	76	116	136	136	50	71	183	16	53	8.4



(1) Space required to remove hub using jack screw with shortened hex. key.

(2) For coupling using 2 off TBH Sprockets - less taper bushes.

Note: To order TB coupling, hub type must be specified by suffix after coupling.
ie:- TB 6018 FH is coupling with one TBF and one TBH hub.

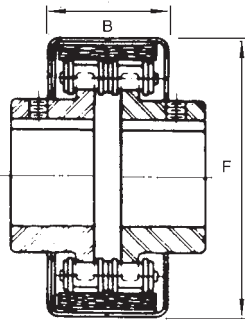
Coupling Covers

Chain Coupling Covers are used to provide protection for both the duplex roller chain and sprocket teeth on applications where couplings are exposed to corrosive or abrasive atmosphere, or to retain lubrication in the chain with high shaft speeds. Two types of cover are offered; a low cost spun aluminium cover for general use, or a fully sealed split cast aluminium cover on more demanding applications.

Stock Spun Aluminium Covers

Their light weight and cost make spun aluminium covers the ideal choice for protection of roller chain couplings. The two spun halves simply clip together to provide a protective cover for the chain. A felt pad located between chain and cover retains grease lubrication. Rounded exterior of the cover combines safety with neat appearance. Covers are also suited to the LSC inverted tooth couplings. For applications where aluminium is not permitted, spun steel covers of same dimensions can be supplied to order.

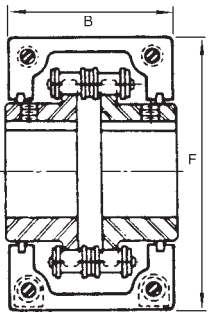
Cover No.	To Suit Couplings			B	F	App. Weight kg
	LRC	TB	LSC	mm	mm	
SA 4012C	4012	4016	4-16	38.9	75	0.06
SA 4016C	4016		4-20	38.9	93	0.08
SA 5016C	5016			47.0	110	0.10
SA 5018C	5018	5018	4-28	47.0	121	0.12
SA 6018C	6018	6018		56.6	142	0.16
SA 6022C	6022	6022		56.6	166	0.22
SA 8018C	8018	8018		79.5	186	0.35
SA 8020C	8020	8020		79.5	203	0.40
SA 12016C	12016			117.6	246	0.53



Cast Aluminium Covers

For more demanding applications, cast aluminium covers extend life of couplings by providing continuous lubrication and full protection from abrasive elements. The two halves fit around the coupling and connect by 'Nyloc' cap-head bolts. Neoprene seals are fitted to seal between sprocket hub and cover. These covers are fitted after coupling is fully installed on shafts.

Base Cover No.	Adaptor Kit No.*	To suit all couplings		B mm	F mm	Approx. Weight kg
AL 40	AL 4016K	LRC 4016	TB 5018	51	102	0.45
AL 50	AL 5016K	LRC 5016		60	130	0.70
AL 50	AL 5018K	LRC 5018		60	130	0.70
AL 60	AL 6018K	LRC 6018	TB 8020	75	162	1.25
AL 80	AL 8018K	LRC 8018		102	208	2.40
AL 80	AL 8020K	LRC 8020		102	208	2.35



Caution:- Never operate at rim speeds above 25 M/s.

*Accessory Kit includes two seals for specific hub size, two gaskets and hardware necessary to install cover.

Tel: +44 121 360 0155

Fax: +44 121 325 1079

Email: sales@crossmorse.com