

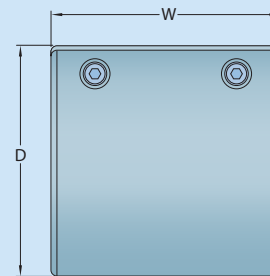
Chain couplings

Chain couplings are able to transmit higher torque than their shafts, making them ideal for high torque applications. Available with a pilot bore, finished bore or tapered bushing (face or hub), flanges are linked together with duplex roller chains enabling them to accommodate up to 2 degrees of misalignment.

To provide maximum service life and reliability, particularly for high speed applications, SKF recommends fitting all chain couplings with a cover and lubricating them properly. If a chain coupling is to be subjected to reversing operations, shock or pulsating loads, or other severe operating conditions, select a coupling one size larger than normal.

Coupling covers

Cover size	Aluminium		Weight	Plastic		Weight
	D	W		D	W	
–	mm		kg	mm		kg
IS0816 ¹⁾	101,6	50,8	0,42	101,6	58,7	0,90
IS1016 ¹⁾	130,2	60,3	0,59	130,2	66,7	1,32
IS1018 ¹⁾	130,2	60,3	0,59	130,2	66,7	1,32
IS1218 ¹⁾	161,9	74,6	1,20	175,0	77,8	1,98
IS1220 ¹⁾	161,9	74,6	1,20	175,0	77,8	1,98
IS1222 ¹⁾	208,0	101,6	1,45	175,0	77,8	2,22
IS1618 ¹⁾	208,0	101,6	1,45	210,0	106,0	2,22
IS1620 ¹⁾	208,0	101,6	1,45	210,0	106,0	2,22
IS2018	257,2	133,4	4,80	238,1	150,8	3,97
IS2020	257,2	133,4	4,80	257,2	133,4	5,74
IS2418	288,9	187,3	8,10	288,9	187,3	7,47
IS2422	336,6	201,6	9,20	336,6	201,6	8,85



¹⁾ Will be supplied in plastic unless otherwise specified

Order data

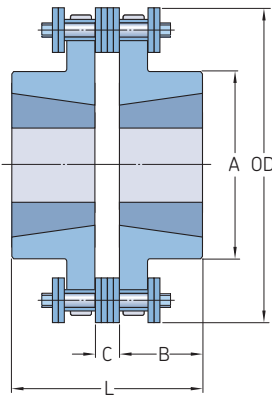
Size	Hub			Chain						Covers					
	Plain Bore	Qty	FTB ¹⁾	Qty	HTB ¹⁾	Qty	Bored to size ²⁾	Qty	Qty	Qty	Qty				
816	PHE IS0816RSB	2	and/or	PHE IS0816FTB	2	and/or	PHE IS0816HTB	2	and/or	PHE IS0816X...	2	PHE IS0816CHN	1	PHE IS0816COVER	1
1016	PHE IS1016RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS1016X...	2	PHE IS1016CHN	1	PHE IS1016COVER	1
1018	PHE IS1018RSB	2	and/or	PHE IS1018FTB	2	and/or	PHE IS1018HTB	2	and/or	PHE IS1018X...	2	PHE IS1018CHN	1	PHE IS1018COVER	1
1218	PHE IS1218RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS1218X...	2	PHE IS1218CHN	1	PHE IS1218COVER	1
1220	PHE IS1220RSB	2	and/or	PHE IS1220FTB	2	and/or	PHE IS1220HTB	2	and/or	PHE IS1220X...	2	PHE IS1220CHN	1	PHE IS1220COVER	1
1222	PHE IS1222RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS1222X...	2	PHE IS1222CHN	1	PHE IS1222COVER	1
1618	PHE IS1618RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS1618X...	2	PHE IS1618CHN	1	PHE IS1618COVER	1
1620	PHE IS1620RSB	2	and/or	PHE IS1620FTB	2	and/or	PHE IS1620HTB	2	and/or	PHE IS1620X...	2	PHE IS1620CHN	1	PHE IS1620COVER	1
2018	PHE IS2018RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS2018X...	2	PHE IS2018CHN	1	PHE IS2018COVER	1
2020	PHE IS2020RSB	2	and/or	PHE IS2020FTB	2	and/or	PHE IS2020HTB	2	and/or	PHE IS2020X...	2	PHE IS2020CHN	1	PHE IS2020COVER	1
2418	PHE IS2418RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS2418X...	2	PHE IS2418CHN	1	PHE IS2418COVER	1
2422	PHE IS2422RSB	2	and/or	–	2	and/or	–	2	and/or	PHE IS2422X...	2	PHE IS2422CHN	1	PHE IS2422COVER	1

A complete chain coupling consists of: 2 hubs, 1 chain and 1 cover.

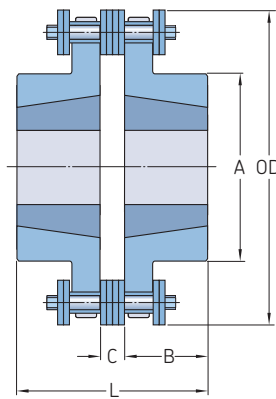
¹⁾ Following chain coupling taper bush assembly configurations are possible: 2 hubs HTB or 2 hubs FTB or 1 hub HTB and 1 hub FTB.

²⁾ To complete bored to size designation, add bore size. For example: PHE IS1016X22MM designates hub size IS1016 with a 22 mm bore.

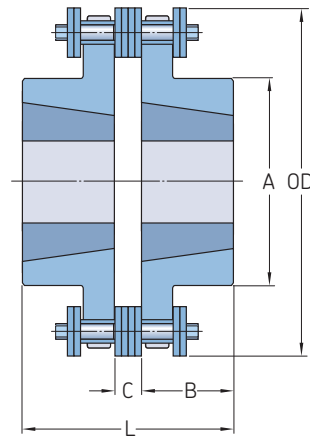
Chain couplings



Assembly configuration HH



Assembly configuration FF



Assembly configuration FH

Coupling size	Bushing number	Bore		Dimensions					Mass	Speed	Nominal torque	Chain mass	Hub designation			Bored to size	
		Min.	Max.	A	B	C	L	OD					Plain bore	FTB	HTB		
		mm							kg	r/min	Nm	kg					
0816	- 1108	15,9 12,7	23,8 28,6	50,0 50,0	28,96 22,20	7,1 7,1	65,0 51,6	77,0 77,0	0,45 0,41	5 000 5 000	294 294	0,23 0,23	PHE IS0816RSB -	- PHE IS0816FTB	- PHE IS0816HTB	-	PHE IS0816X...
1016	-	15,9	42,9	63,5	36,88	9,5	83,3	96,0	1,00	4 000	559	0,54	PHE IS1016RSB	-	-	-	PHE IS1016X...
1018	- 1610	19,1 12,7	50,8 41,3	75,4 75,4	43,26 25,40	9,5 9,5	87,1 60,3	106,4 106,4	1,59 0,50	3 600 3 600	706 706	0,59 0,59	PHE IS1018RSB -	- PHE IS1018FTB	- PHE IS1018HTB	-	PHE IS1018X...
1218	-	25,4	61,9	88,9	47,60	11,1	106,3	127,0	2,27	3 000	1 333	1,00	PHE IS1218RSB	-	-	-	PHE IS1218X...
1220	- 2012	28,6 12,7	69,9 50,8	98,4 98,4	50,80 31,80	11,1 11,1	112,7 74,6	139,7 139,7	2,95 1,23	2 500 2 500	1 559 1 559	1,18 1,18	PHE IS1220 -	- PHE IS1220FTB	- PHE IS1220HTB	-	PHE IS1220X...
1222	-	28,6	76,2	114,3	54,00	11,1	119,1	151,2	4,31	2 500	1 794	1,23	PHE IS1222RSB	-	-	-	PHE IS1222X...
1618	-	28,6	79,4	115,9	60,70	14,7	136,1	169,1	4,99	2 000	2 961	2,40	PHE IS1618RSB	-	-	-	PHE IS1618X...
1620	- 3020	38,1 23,8	90,5 76,2	136,5 136,5	66,10 50,00	14,7 14,7	146,9 116,3	185,3 185,3	7,40 2,77	2 000 2 000	3 579 3 579	2,68 2,68	PHE IS1620RSB -	- PHE IS1620FTB	- PHE IS1620HTB	-	PHE IS1620X...
2018	-	38,1	98,4	144,5	70,90	18,3	160,1	211,5	9,21	1 800	4 981	4,45	PHE IS2018RSB	-	-	-	PHE IS2018X...
2020	- 3535	38,1 30,2	117,5 88,9	170,7 170,7	79,80 88,90	18,3 18,3	177,9 196,1	231,8 231,8	14,43 8,62	1 800 1 800	6 688 6 688	4,95 4,95	PHE IS2020RSB -	- PHE IS2020FTB	- PHE IS2020HTB	-	PHE IS2020X...
2418	-	50,8	119,1	171,5	88,30	21,8	198,4	254,0	16,70	1 500	10 032	7,85	PHE IS2418RSB	-	-	-	PHE IS2418X...
2422	-	50,8	155,6	222,3	102,10	21,8	226,0	302,0	31,76	1 200	12 993	9,62	PHE IS2422RSB	-	-	-	PHE IS2422X...