

Chain Couplings

Type	Coupling						Case			
	Bore Size		E	L	D	H	Weight kg	A	B	Weight kg
	Min	Max								
LRC4012	11	22	80	36	35	61	0.8	75	75	0.3
LRC4016	15	30	80	36	50	77	1.4	92	75	0.4
LRC5016	15	40	100	45	60	96	2.6	111	85	0.6
LRC5018	19	45	100	45	70	106	3.5	122	85	0.7
LRC6018	22	55	120	54	85	128	6.2	142	106	1
LRC6022	25	75	120	54	110	152	9.8	167	106	1.2
LRC8018	30	78	150	67	115	170	13.9	186	130	2.3
LRC8022	35	95	150	67	140	202	20.2	220	130	2.4

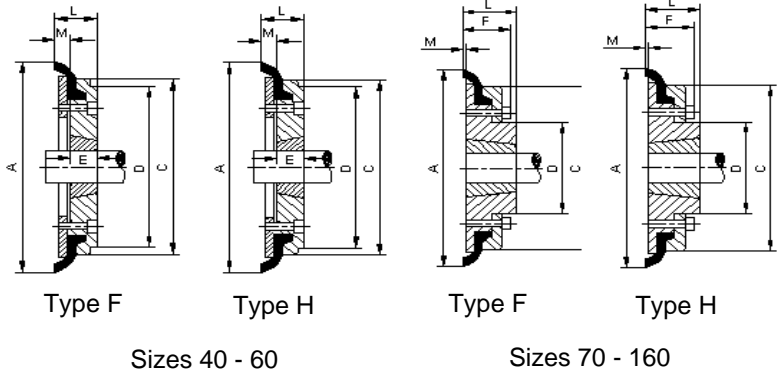
All dimensions in mm unless specified

If a dimension is critical to your application please contact our sales department for confirmation.

Please note : errors and omissions excepted.



**Taper Bore
Tyre Couplings
Industry Standard
Rubber Tyre Couplings
with Taper Bore Hubs**



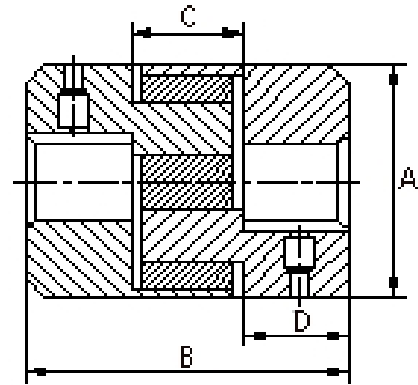
Taper Hub Flanges													
Size	Bush	Max Bore		Types F & H			A	C	D	F	G	M	Wt kg
	No.	Metric	Inch	L	E	J							
F40F	1008	25	1	33	22	29	104	82	-	-	-	11	0.8
F40H	1008	25	1	33	22	29	104	82	-	-	-	11	0.8
F50F	1210	32	1 1/4	38	25	38	133	100	79	-	-	12.5	1.2
F50H	1210	32	1 1/4	38	25	38	133	100	79	-	-	12.5	1.2
F60F	1610	42	1 5/8	42	25	38	165	125	103	-	-	16.5	2
F60H	1610	42	1 5/8	42	25	38	165	125	103	-	-	16.5	2
F70F	2012	50	2	44	32	42	187	144	80	50	13	11.5	3.1
F70H	1610	42	1 5/8	42	25	38	187	144	80	50	13	11.5	3
F80F	2517	60	2 1/2	58	45	48	211	167	95	54	16	12.5	4.9
F80H	2012	50	2	45	32	42	211	167	98	54	16	12.5	4.6
F90F	2517	60	2 1/2	59.5	45	48	235	188	108	60	16	13.5	7
F90H	2517	60	2 1/2	59.5	45	48	235	188	108	60	16	13.5	7
F100F	3020	75	3	65.5	51	55	254	216	120	62	16	13.5	9.9
F100H	2517	60	2 1/2	59.5	45	48	254	216	113	62	16	13.5	9.4
F110F	3020	75	3	63.5	51	55	279	233	134	62	16	12.5	11.7
F110H	3020	75	3	63.5	51	55	279	233	134	62	16	12.5	11.7
F120F	3525	100	4	79.5	65	67	314	264	140	67	16	14.5	16.5
F120H	3020	75	3	65.5	51	55	314	264	140	67	16	14.5	15.9
F140F	3525	100	4	81.5	65	67	359	311	178	73	17	16	22.3
F140H	3525	100	4	81.5	65	67	359	311	178	73	17	16	22.3
F160F	4030	115	4 1/2	92	77	80	402	345	197	78	19	15	32.5
F160H	4030	115	4 1/2	92	77	80	402	345	197	78	19	15	32.5

Tyres			
Size	Power kW / 100 rpm	Max. Speed (rpm)	Wt. kg
F40	0.22	4500	0.1
F45	0.39	4500	0.2
F50	0.56	4500	0.3
F60	1.11	4000	0.5
F70	1.7	3600	0.7
F80	2.65	3100	1
F85	3.2	3000	1
F90	3.82	2880	1.1
F100	5.29	2600	1.1
F110	7.46	2300	1.4
F120	12.4	2050	2.3
F140	19.7	1800	2.6
F160	32.6	1600	3.4

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**Parallel Bore
Flexible Shaft Couplings
JAW Type**



Code	Min Bore	Max Bore	A	B*	C	D	Weight kg.	Rubber Insert	Hytrel Insert	Weight kg.
L050-S	6.35	15	27.4	43.7	11.9	15.9	0.22	yes	yes	0.02
L070-S	6.35	19	34.5	50.8	12.7	19.1	0.14	yes	yes	0.03
L075-S	6.35	22.2	44.5	54	12.7	20.6	0.23	yes	yes	0.07
L090-S	6.35	25.4	53.6	54	12.7	20.6	0.36	yes	yes	0.1
L095-S	11.1	28.6	53.6	63.5	12.7	25.4	0.4	yes	yes	0.1
L099-S	12.7	30.2	64.3	73	19.1	27	0.61	yes	yes	0.15
L100-S	12.7	35	64.3	89	19.1	34.9	0.81	yes	yes	0.15
L110-S	15.9	41.3	84.2	108	22.2	42.9	1.71	yes	yes	0.3
L150-S	15.9	47.6	95	114.5	25.4	44.5	2.28	yes	yes	0.63

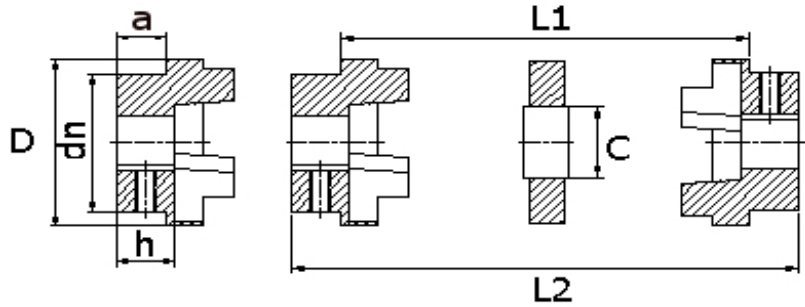
All dimensions in mm unless specified

*Approximate overall length

Rubber, Hythrel and Urethane inserts available

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Please note : errors and omissions excepted.

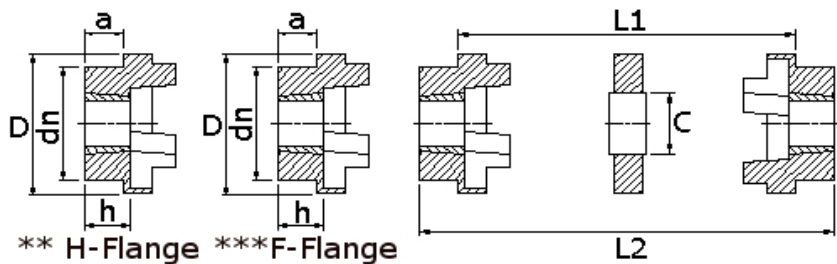


**Parallel Bore
Flexible Shaft Couplings
HRC Type**

Size of Coupling	Min Bore	Max Bore	D	dn	a	h	C	L1	L2*
HRC70B	10	32	69	55	21	25	31	25	68
HRC90B	10	38	85	60	20	34	32	31	91
HRC110B	10	48	112	80	19	44	45	45	117
HRC130B	20	55	130	90	18	50	50	53	136
HRC150B	28	65	150	104	24	58	62	60	155
HRC180B	28	75	180	120	35	68	77	73	184
HRC230B	45	95	225	150	40	85	99	86	229
HRC280B	55	130	275	206	51	106	119	106	286

*Approximate overall length

**Taper Bore
Flexible Shaft Couplings
HRC Type**



** H-Flange ***F-Flange

Size of Coupling	Bush Ref.	Bore Min	Bore Max	D	dn	a	h	C	L1	L2
HRC70	1008	9	25	69	55	21	24	31	25	65
HRC90	1108	9	28	85	60	20	24	32	31	70
HRC110	1610	12	42	112	80	19	27	45	45	82
HRC130	1610	12	42	130	90	18	27	50	53	89
HRC150	2012	14	50	150	104	24	34	62	60	107
HRC180	2517	16	65	180	120	35	47	77	73	142
HRC230	3020	25	75	225	150	40	53	99	86	165
HRC280	3525	28	90	275	206	51	67	119	106	208

*Approximate overall length

**H = Flange for external bush assembly

***F = Flange for internal bush assembly

All dimensions in mm unless specified

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Please note : errors and omissions excepted.



Flexible Shaft Couplings

Technical Data

Technical Data								
Size of Coupling	Bush Size	Torque		Max. Speed*	Moment of Inertia**		Weight of Coupling**	
Type	No.	Nominal Nm	Max. Nm	rpm	Bush Type kgm ²	Std. Type kgm ²	Bush Type k.g	Std. Type k.g
HRC70	1008	33	73	7700	0.00085	0.00078	1	1.1
HRC90	1108	84	85	6300	0.00115	0.00108	1.7	1.7
HRC110	1610	168	370	5000	0.004	0.00344	5	4.2
HRC130	1610	331	728	4100	0.0078	0.0085	5.5	6.3
HRC150	2012	630	1490	3600	0.0181	0.02112	7.1	9.5
HRC180	2517	998	2300	3000	0.0434	0.0482	16.6	15
HRC230	3020	2100	4800	2600	0.12068	0.14052	26	28
HRC280	3525	3308	7000	2200	0.44653	0.5479	50	63

*At speeds exceeding allowable maximum speed, please consult our technical department.

** Including bush with a medium bore.

Permissible Misalignment Tolerances in mm									
Size of Coupling	7	9	11	13	15	18	23	28	
Axial Misalignment	+0.2	+0.5	+0.6	+0.8	+0.9	+1.1	+1.3	+1.7	
Radial Misalignment	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	
Angular Misalignment	0.5	0.5	1	1	1.5	1.5	2	2.5	

Coupling Selection Procedure

1. Select service factor (Table 1).
2. Nominal power multiplied by service factor equals temporary designed power K.
3. Designed power K should then be multiplied by factor L (Table 2) and S (Table 3). K x L x S gives the design power which is used for coupling selection in Table 4.
4. Check from dimensional tables that chosen coupling has room to be mounted.

Service Factors (Table 1)				
Type of Load	Driven	Driver		
		Electric motors, Light Turbines	Internal Combustion Engine >=4 cylinders	Internal Combustion Engine 1-3 cylinders
Uniform <i>No Vibration</i>	Agitators, conveyors, centrifugal pumps and compressors, centrifugal fans, generators and machine tools	1	1.4	1.8
Moderate <i>No Vibration</i>	Agitators, conveyors, hoisting equipment, bucket elevators, textile machines, mixers, printing machinery, sawmill machinery, rotary pumps	1.4	2	2.4
Substantial <i>Vibrations</i>	Hoisting equipment, calendars, crushers, dredgers, revolving furnaces, print presses, cutting presses, rotary compressors	2	2.4	2.8
Heavy <i>Shocks & Vibration</i>	Crushers, extruders, rubber mixers, reciprocating pumps and conveyors, reciprocating compressors, vibrating screens	2.4	2.8	3.2



Flexible Shaft Couplings

Technical Data

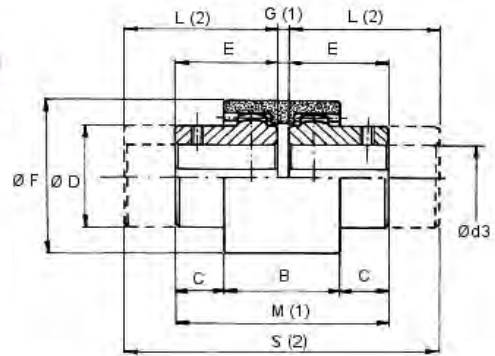
Operating Hours Factor (Table 2)				
>	-	2	8	16
<=	2	8	16	-
L	0.9	1	1.1	1.2

Starting Frequency Factor (Table 3)				
>	-	1	30	60
<=	1	30	60	-
S	1	1.2	1.3	1.5

rpm	Size of Coupling							
	KW							
	70	90	110	130	150	180	230	280
100	0.35	0.88	1.75	3.44	6.59	10.43	22	34.65
200	0.69	1.75	3.52	6.88	13.18	20.86	44.02	69.3
400	1.39	3.51	7.04	13.77	26.37	41.72	88.04	138.6
600	2.08	5.25	10.6	20.65	39.55	62.58	132.06	207.9
800	2.78	7	14.1	27.53	52.73	83.44	176.08	277.2
1000	3.47	8.75	17.6	34.42	65.92	104.3	220.1	346.5
1200	4.16	10.5	21.1	41.3	79.1	125.2	264.12	415.8
1400	4.86	12.25	24.6	48.18	92.28	146.02	308.13	485.1
1600	5.55	14	27.1	55.07	105.47	166.88	352.15	554.1
1800	6.25	15.76	31.7	61.95	118.65	187.74	396.17	623.7
2000	6.94	17.51	35.2	68.83	131.83	208.6	440.19	693
2200	7.64	19.26	38.7	75.72	145.01	229.46	484.21	762.3
2400	8.33	21	42.2	82.6	158.2	250.32	528.23	-
2600	9.02	22.76	45.7	89.48	171.38	271.18	572.25	-
2800	9.72	24.51	49.3	96.37	184.57	292.04	-	-
3000	10.41	26.26	52.8	103.25	197.75	312.9	-	-
3500	12.15	30.64	61.6	120.46	230.71	-	-	-
4000	13.88	35.01	70.4	136.67	-	-	-	-
4500	15.62	39.39	79.1	-	-	-	-	-
5000	17.35	43.76	87.9	-	-	-	-	-
5500	19.09	48.14	-	-	-	-	-	-
6000	20.82	52.52	-	-	-	-	-	-
6500	25.56	-	-	-	-	-	-	-
7000	24.3	-	-	-	-	-	-	-
7500	26.03	-	-	-	-	-	-	-

Dynamic Balance Required

If a dimension is critical to your application please contact our sales department for confirmation.
Please note : errors and omissions excepted.



Nylon Sleeve Gear Couplings

Industry Standard

Coupling Type	Nominal Bore ⁽³⁾	Max. Bore	Standard Hubs								Long Hubs		Number of Teeth	Tooth O/D mm	Tooth Length mm
			B	C	Ø D	E	Ø F	G ⁽¹⁾	M ⁽¹⁾	L ⁽²⁾	S ⁽²⁾				
GF14	6	14	38	6.5	25	23.5	41	4	51	30	64	21	33.8	8	
GF19	8	19	38	8.5	32	25.5	48	4	55	40	84	26	41.3	8	
GF24	10	24	42	7.5	36	26.5	52	4	57	50	104	28	44.5	8	
GF28	10	28	48	19	45	41	68	4	86	60	124	35	54.5	10	
GF32	12	32	48	18	50	40	75	4	84	60	124	38	58.8	10	
GF38	14	38	50	17	58	40	85	4	84	80	164	44	67.6	12	
GF42	20	42	50	19	63	42	95	4	88	110	224	47	71.6	12	
GF48	20	48	50	27	68	50	100	4	104	110	224	50	76	12	
GF55	25	55	65	29.5	82	60	120	4	124	110	224	46	94.7	15	
GF65	25	65	72	36	95	70	140	4	144	140	284	56	115	18	

All dimensions in mm unless specified

(1) Assembled length.

(2) Coupling hub length to fully fit standard shafts of UNEL-MEC range of motors.

(3) Finished bores to H7 tolerance and keyways on request.

If a dimension is critical to your application please contact our sales department for confirmation.

Please note : errors and omissions excepted.