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Fenner®

HRC KYTKIMET

Sähkömoottoreihin

HRC 110 G

Kytinelementti

- Helppo ja nopea asennus
- Saatavana myöskin antistaattisena
- Erinomainen suorituskyky edullisesti



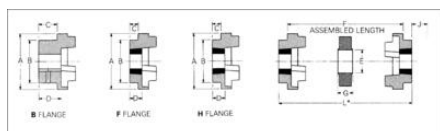
TUOTEKUVAUS

HRC kytkimet ovat joustavia ja ne on helppo ja nopea asentaa paikalleen, esimerkiksi Taper-Lock -holkeilla. Ne soveltuvat siksi erinoimaisesti sähkömoottorien kanssa käytettäväksi. Saatavilla myös esiporattuna. HRC kytкимиä on myöskin saatavana palonkestävänä ja antistaattisena.

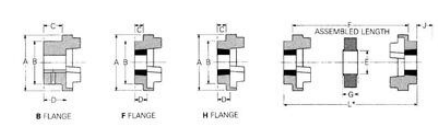
TEKNISET TIEDOT

TIEDOT

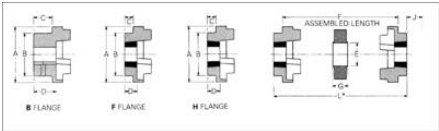
A	112 mm
B	100 mm
E	45 mm
F	45 mm
G	29 mm
Koko	110



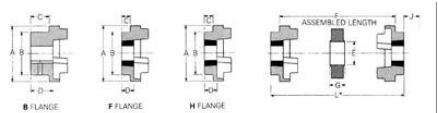
Speed rpm/min	Coupling Size									
	70	90	110	130	150	180	230	280	350	450
100	0.33	0.84	1.68	3.36	6.28	9.95	20.90	33.00	45.00	60.00
200	0.66	1.68	3.36	6.72	12.56	19.90	41.80	66.00	90.00	120.00
400	1.32	3.36	6.72	13.44	25.12	39.80	83.60	132.00	180.00	240.00
600	1.98	5.04	10.08	20.16	37.68	59.70	125.40	200.00	270.00	360.00
720	2.37	6.03	12.10	23.80	45.20	71.60	151.00	238.00	318.00	420.00
900	2.97	7.56	15.12	29.76	56.52	87.90	185.40	285.00	378.00	504.00
1100	3.58	9.24	18.48	35.52	67.84	105.48	222.48	342.00	450.00	600.00
1300	4.19	10.92	21.84	41.28	79.12	122.96	259.52	399.00	525.00	700.00
1500	4.79	12.60	25.20	47.04	90.40	140.44	296.56	456.00	600.00	800.00
1800	5.78	15.12	30.24	56.64	108.00	165.60	345.60	528.00	700.00	960.00
2000	6.39	16.80	33.60	63.36	120.00	181.92	384.00	594.00	780.00	1040.00
2200	7.00	18.48	36.96	69.12	132.00	198.24	423.00	660.00	870.00	1160.00
2500	8.12	21.12	42.24	80.64	153.60	230.40	489.60	756.00	1000.00	1320.00
2800	9.24	23.76	47.52	92.16	174.72	261.12	556.32	846.00	1120.00	1480.00
3000	9.96	25.44	50.88	98.88	187.20	277.44	595.20	900.00	1200.00	1600.00
3500	11.96	30.24	60.48	119.04	224.64	336.96	716.16	1104.00	1440.00	1920.00
Nominal Torque (Nm)	31.5	80	160	315	600	950	2000	3150	4500	6000
Max Torque (Nm)	72	180	360	720	1500	2350	5000	7500	10500	14000



PHYSICAL DIMENSIONS AND CHARACTERISTICS																
Size	Common Dimensions					Type F & H					Type B					
	A	B	E	F	G	Bush mm	Max. Bore			Bore Dia		Covers over bore	C			
							mm	in	C	D	J ₁			Pick up		
70	69	60	31	25.0	18.0	1008	25	17	20.0	23.5	29	32	8	M 6	20	23
90	85	70	32	30.5	22.0	1108	28	19	19.5	23.5	32	35	8	M 8	20	25
110	112	100	48	45.0	29.0	1810	42	19	19.5	28.5	38	50	10	M10	37	45
130	130	105	50	53.0	36.0	1610	42	19	19.0	25.5	38	50	10	M 8	37	45
150	150	115	62	60.0	40.0	2010	60	2	22.5	33.5	42	70	20	M10	46	56
180	180	125	77	73.0	49.0	2517	60	2	34.5	48.0	48	80	25	M10	50	60
230	225	155	88	88.5	59.0	3200	75	3	38.5	52.5	55	100	32	M12	70	80
280	275	200	119	105.5	74.5	3025	100	4	51.0	66.5	62	125	40	M16	90	100
350	350	250	150	135.0	95.0	3500	125	5	63.5	82.5	70	150	50	M20	110	120
450	450	300	180	165.0	115.0	4000	150	6	76.0	100.0	80	180	63	M24	130	140
600	600	360	220	200.0	140.0	4500	180	8	91.0	120.0	90	220	80	M30	160	170
750	750	420	260	235.0	165.0	5000	210	10	106.0	140.0	100	270	100	M36	190	200
900	900	480	300	270.0	190.0	5500	240	12	121.0	160.0	110	320	125	M42	220	230
1100	1100	540	340	305.0	215.0	6000	270	14	136.0	180.0	120	380	150	M48	250	260
1300	1300	600	380	340.0	240.0	6500	300	16	151.0	200.0	130	450	180	M56	280	290
1500	1500	660	420	375.0	265.0	7000	330	18	166.0	220.0	140	530	210	M64	320	330
1800	1800	720	460	410.0	290.0	7500	360	20	181.0	240.0	150	630	250	M72	360	370
2000	2000	780	500	445.0	315.0	8000	390	22	196.0	260.0	160	750	300	M80	400	410
2300	2300	840	540	480.0	340.0	8500	420	24	211.0	280.0	170	880	360	M90	450	460
2800	2800	900	580	515.0	365.0	9000	450	26	226.0	300.0	180	1030	420	M100	500	510
3500	3500	960	620	550.0	390.0	9500	480	28	241.0	320.0	190	1200	500	M112	560	570
4500	4500	1020	660	585.0	415.0	10000	510	30	256.0	340.0	200	1400	600	M125	630	640
6000	6000	1080	700	620.0	440.0	10500	540	32	271.0	360.0	210	1630	720	M140	720	730
7500	7500	1140	740	655.0	465.0	11000	570	34	286.0	380.0	220	1880	840	M160	800	810
9000	9000	1200	780	690.0	490.0	11500	600	36	301.0	400.0	230	2150	960	M180	900	910
11000	11000	1260	820	725.0	515.0	12000	630	38	316.0	420.0	240	2450	1100	M200	1000	1010
13000	13000	1320	860	760.0	540.0	12500	660	40	331.0	440.0	250	2780	1250	M224	1100	1110
15000	15000	1380	900	795.0	565.0	13000	690	42	346.0	460.0	260	3150	1400	M250	1200	1210
18000	18000	1440	940	830.0	590.0	13500	720	44	361.0	480.0	270	3550	1600	M280	1300	1310
20000	20000	1500	980	865.0	615.0	14000	750	46	376.0	500.0	280	4000	1800	M315	1400	1410
23000	23000	1560	1020	900.0	640.0	14500	780	48	391.0	520.0	290	4500	2000	M355	1500	1510
28000	28000	1620	1060	935.0	665.0	15000	810	50	406.0	540.0	300	5100	2200	M400	1600	1610
35000	35000	1680	1100	970.0	690.0	15500	840	52	421.0	560.0	310	5800	2500	M450	1700	1710
45000	45000	1740	1140	1005.0	715.0	16000	870	54	436.0	580.0	320	6600	2800	M500	1800	1810
60000	60000	1800	1180	1040.0	740.0	16500	900	56	451.0	600.0	330	7500	3200	M560	1900	1910
75000	75000	1860	1220	1075.0	765.0	17000	930	58	466.0	620.0	340	8500	3600	M630	2000	2010
90000	90000	1920	1260	1110.0	790.0	17500	960	60	481.0	640.0	350	9700	4000	M710	2100	2110
110000	110000	1980	1300	1145.0	815.0	18000	990	62	496.0	660.0	360	11000	4500	M800	2200	2210
130000	130000	2040	1340	1180.0	840.0	18500	1020	64	511.0	680.0	370	12500	5000	M900	2300	2310
150000	150000	2100	1380	1215.0	865.0	19000	1050	66	526.0	700.0	380	14200	5600	M1000	2400	2410
180000	180000	2160	1420	1250.0	890.0	19500	1080	68	541.0	720.0	390	16200	6300	M1120	2500	2510
200000	200000	2220	1460	1285.0	915.0	20000	1110	70	556.0	740.0	400	18400	7100	M1250	2600	2610
230000	230000	2280	1500	1320.0	940.0	20500	1140	72	571.0	760.0	410	20900	8000	M1400	2700	2710
280000	280000	2340	1540	1355.0	965.0	21000	1170	74	586.0	780.0	420	23700	9000	M1600	2800	2810
350000	350000	2400	1580	1390.0	990.0	21500	1200	76	601.0	800.0	430	26800	10000	M1800	2900	2910
450000	450000	2460	1620	1425.0	1015.0	22000	1230	78	616.0	820.0	440	30200	11000	M2000	3000	3010
600000	600000	2520	1660	1460.0	1040.0	22500	1260	80	631.0	840.0	450	33900	12000	M2240	3100	3110
750000	750000	2580	1700	1495.0	1065.0	23000	1290	82	646.0	860.0	460	37900	13000	M2500	3200	3210
900000	900000	2640	1740	1530.0	1090.0	23500	1320	84	661.0	880.0	470	42200	14000	M2800	3300	3310
1100000	1100000	2700	1780	1565.0	1115.0	24000	1350	86	676.0	900.0	480	46900	15000	M3150	3400	3410
1300000	1300000	2760	1820	1600.0	1140.0	24500	1380	88	691.0	920.0	490	51900	16000	M3550	3500	3510
1500000	1500000	2820	1860	1635.0	1165.0	25000	1410	90	706.0	940.0	500	57200	17000	M4000	3600	3610
1800000	1800000	2880	1900	1670.0	1190.0	25500	1440	92	721.0	960.0	510	62900	18000	M4500	3700	3710
2000000	2000000	2940	1940	1705.0	1215.0	26000	1470	94	736.0	980.0	520	68900	19000	M5000	3800	3810
2300000	2300000	3000	1980	1740.0	1240.0	26500	1500	96	751.0	1000.0	530	75200	20000	M5600	3900	3910
2800000	2800000	3060	2020	1775.0	1265.0	27000	1530	98	766.0	1020.0	540	81900	21000	M6300	4000	4010
3500000	3500000	3120	2060	1810.0	1290.0	27500	1560	100	781.0	1040.0	550	89000	22000	M7100	4100	4110
4500000	4500000	3180	2100	1845.0	1315.0	28000	1590	102	796.0	1060.0	560	96500	23000	M8000	4200	4210
6000000	6000000	3240	2140	1880.0	1340.0	28500	1620	104	811.0	1080.0	570	104500	24000	M9000	4300	4310
7500000	7500000	3300	2180	1915.0	1365.0	29000	1650	106	826.0	1100.0	580	113000	25000	M10000	4400	4410
9000000	9000000	3360	2220	1950.0	1390.0	29500	1680	108	841.0	1120.0	590	121500	26000	M11200	4500	4510
11000000	11000000	3420	2260	1985.0	1415.0	30000	1710	110	856.0	1140.0	600	130500	27000	M12500	4600	4610
13000000	13000000	3480	2300	2020.0	1440.0	30500	1740	112	871.0	1160.0	610	139500	28000	M14000	4700	4710
15000000	15000000	3540	2340	2055.0	1465.0	31000	1770	114	886.0	1180.0	620	149000	29000	M16000	4800	4810
18000000	18000000	3600	2380	2090.0	1490.0	31500	1800	116	901.0	1200.0	630	159000	30000	M18000	4900	4910
20000000	20000000	3660	2420	2125.0	1515.0	32000	1830	118	916.0	1220.0	640	169500	31000	M20000	5000	5010
23000000	23000000	3720	2460	2160.0	1540.0	32500	1860	120	931.0	1240.0	650	180500	32000	M22400	5100	5110
28000000	28000000	3780	2500	2195.0	1565.0	33000	1890	122	946.0	1260.0	660	192000	33000	M25000	5200	5210
35000000	35000000	3840	2540	2230.0	1590.0	33500	1920	124	961.0	1280.0	670	204000	34000	M28000	5300	5310
45000000	45000000	3900	2580	2265.0	1615.0	34000	1950	126	976.0	1300.0	680	216500	35000	M31500	5400	5410
60000000	60000000	3960	2620	2300.0	1640.0	34500	1980	128	991.0	1320.0	690	229500	36000	M35500	5500	5510
75000000	75000000	4020	2660	2335.0	1665.0	35000	2010	130	1006.0	1340.0	700	243000	37000	M40000	5600	5610
90000000	90000000	4080	2700	2370.0	1690.0	35500	2040	132	1021.0	1360.0	710	257000	38000	M45000	5700	5710
110000000	110000000	4140	2740	2405.0	1715.0	36000	2070	134	1036.0	1380.0	720	271500	39000	M50000	5800	5810
130000000	130000000	4200	2780	2440.0	1740.0	36500	2100	136	1051.0	1400.0	730	286500	40000	M56000	5900	5910
150000000	150000000	4260	2820	2475.0	1765.0	37000	2130	138	1066.0	1420.0	740	302000	41000	M6300		



Speed rpm/min	Coupling Size									
	70	90	110	130	150	180	230	280		
100	0.33	0.84	1.68	3.36	6.28	9.96	20.90	33.00		
200	0.80	1.96	3.26	6.40	12.40	19.80	41.80	66.00		
400	1.52	3.26	6.70	13.20	25.12	39.60	83.60	132.00		
600	1.96	4.00	8.10	16.40	37.00	59.50	126.00	198.00		
720	2.37	6.03	12.10	23.80	45.20	71.60	151.00	238.00		
800	2.96	7.74	15.40	30.40	60.40	95.00	199.00	304.00		
900	3.17	8.04	16.10	31.70	63.30	99.00	201.00	312.00		
1100	4.76	12.16	24.16	47.90	95.40	143.00	292.00	456.00		
1400	4.76	12.16	24.16	47.90	95.40	143.00	292.00	456.00		
1600	5.24	13.40	26.80	52.80	105.00	159.00	320.00	496.00		
1800	5.91	15.10	30.20	60.40	119.00	179.00	372.00	564.00		
2000	6.60	16.80	33.60	66.00	132.00	199.00	418.00	630.00		
2200	7.26	18.40	36.80	72.60	144.00	219.00	460.00	690.00		
2400	7.92	20.10	40.20	79.20	156.00	239.00	503.00	750.00		
2600	8.58	21.80	43.60	85.80	168.00	259.00	545.00	810.00		
2800	9.10	23.10	46.20	91.00	180.00	279.00	587.00	870.00		
3000	9.60	24.10	48.20	96.00	192.00	299.00	629.00	930.00		
3600	11.90	30.10	60.20	119.00	236.00	359.00	769.00	1150.00		
Nominal Torque (Nm)	31.5	80	160	315	600	950	2000	3150		
Max Torque (Nm)	72	180	360	720	1500	2350	5000	7200		



PHYSICAL DIMENSIONS AND CHARACTERISTICS

Common Dimensions										Type F & H				Type B			
Size	A	B	E	F x I	G	Bushing size	Max. bore		J1	Bore Dia's		Screw	Pitch	Bore Dia's		Screw	Pitch
							mm	in.		C	D			Max.	Min.		
70	60	31	25.0	19.0	1000	26	1"	25.0	23.5	29	32	8	M 6	70	23.5	70	23.5
90	65	30	32	30.5	22.5	1108	28	1 1/8	19.5	23.5	29	42	10	M 6	26	30.0	30.0
110	112	500	45	45.0	29.0	1810	42	1 1/2	18.5	26.5	38	50	10	M10	37	45.0	45.0
130	130	105	60	60.0	36.0	1610	42	1 1/2	18.0	26.5	38	60	16	M10	39	47.5	47.5
150	150	115	62	62.0	40.0	2002	60	2	23.5	33.5	42	70	20	M10	46	56.0	56.0
180	180	125	77	73.0	49.0	2517	60	2 1/8	34.5	48.5	48	80	25	M10	55	70.0	70.0
230	225	105	99	88.5	69.0	3000	75	3	39.5	52.5	55	100	25	M12	77	90.0	90.0
280	275	205	119	105.5	74.5	3025	100	4	51.0	66.5	67	115	30	M16	90	105.5	105.5

J 1 is the screw diameter related to the coupling. The bore on the shaft A should be with this dimension to be reduced.
J 1 refers to combinations of flanges: FF, FH, HS, FE, HB, BS.
Bore limits H7 unless otherwise specified.

Size	Assembled Length (L*) Coupling Type/Size			Mass (kg)	Inertia Ix/Iy (kgm²)	Dynamic Coefficients (Nm/r)	Maximum Misalignment		Nominal Torque (Nm)
	FF	FH	HB				Parallel	Axial	
70	65.0	65.0	65.0	1.00	0.00095	-	0.3	+0.2	31
90	65.5	76.0	82.5	1.76	0.00115	-	0.3	+0.5	60
110	82.0	100.5	119.0	5.02	0.00405	66	0.3	+0.6	160
130	95.0	110.0	131.0	9.46	0.02780	130	0.4	+0.8	315
150	101.0	129.5	152.0	11	0.01810	175	0.4	+0.9	600
180	142.0	155.5	189.0	16.00	0.04390	220	0.4	+1.1	950
230	164.5	202.0	239.5	26.00	0.12068	587	0.5	+1.3	2000
280	207.5	246.5	286.5	50.00	0.44893	1025	0.5	+1.7	3150