



HRC KYTKIMET

Sähkömoottoreihin

HRC 150 B

Kytkin esiporattu akselireikä

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



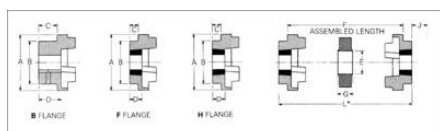
TUOTEKUVAUS

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.

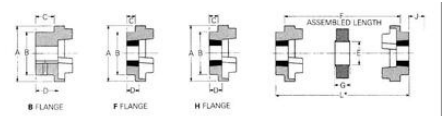
TEKNISET TIEDOT

TIEDOT

A	150 mm
B	115 mm
C	46 mm
D	56 mm
E	62 mm
F	60 mm
G	40 mm
Koko	150
Ruuvien koko	M10
Onton akselin maksimi halkaisija	70 mm



Speed rpm/min	Coupling Size						
	70	90	110	130	150	180	230
100	0.33	0.64	1.08	3.30	6.28	9.95	20.90
200	0.66	1.28	2.16	6.60	12.56	19.90	41.80
400	1.32	2.56	4.32	13.20	25.12	39.80	83.60
600	1.98	3.84	6.48	19.80	37.68	59.70	125.40
720	2.37	4.63	7.72	23.76	45.20	71.60	151.00
900	2.94	5.76	9.60	29.40	56.50	87.90	187.80
1140	3.71	7.36	12.36	37.10	73.40	109.44	234.00
1440	4.75	9.44	16.16	47.50	95.80	142.00	297.00
1800	5.94	11.84	20.16	59.40	119.76	178.56	376.20
2000	6.60	13.12	22.32	66.00	131.20	196.80	415.80
2250	7.29	14.56	24.48	72.90	145.60	217.92	460.80
2400	7.92	15.36	26.16	79.20	153.60	230.40	491.40
2700	9.24	17.92	30.24	92.40	179.20	268.80	567.00
3000	10.56	20.48	34.56	105.60	204.80	307.20	630.00
3600	12.67	24.32	40.32	126.67	243.20	368.64	756.00
4800	16.89	32.44	53.76	168.89	324.40	491.52	972.00
6000	21.11	40.56	67.20	211.11	405.60	614.40	1224.00
7200	25.33	48.68	80.64	253.33	486.80	737.28	1476.00
9000	31.67	61.36	101.76	316.67	613.60	921.60	1836.00
10800	37.00	72.96	122.88	370.00	729.60	1094.40	2202.00
14400	49.33	96.64	163.84	493.33	966.40	1459.20	2844.00
18000	61.67	120.32	204.96	616.67	1203.20	1814.40	3504.00
21600	74.00	144.00	246.08	740.00	1440.00	2179.20	4164.00
27000	92.00	181.12	307.68	920.00	1811.20	2726.40	5220.00
36000	122.67	242.24	409.92	1226.67	2422.40	3635.20	6888.00
48000	163.33	322.88	546.24	1633.33	3228.80	4915.20	9144.00
60000	199.00	403.52	715.10	1990.00	4035.20	6144.00	11300.00
72000	238.67	484.16	853.18	2386.67	4841.60	7372.80	13656.00
90000	311.11	640.00	1137.57	3111.11	6400.00	9691.20	17568.00
108000	373.33	768.00	1365.44	3733.33	7680.00	11628.80	20712.00
144000	493.33	1011.20	1813.92	4933.33	10112.00	15504.00	27288.00
180000	616.67	1254.40	2262.40	6166.67	12544.00	19379.20	34044.00
216000	740.00	1497.60	2710.88	7400.00	14976.00	23254.40	40344.00
270000	920.00	1872.00	3384.38	9200.00	18720.00	29068.80	50400.00
360000	1226.67	2496.32	4511.07	12266.67	24963.20	38758.40	66888.00
480000	1633.33	3328.00	5948.16	16333.33	33280.00	51678.40	89112.00
600000	1990.00	4035.20	7151.04	19900.00	40352.00	64544.00	111360.00
720000	2386.67	4841.60	8531.84	23866.67	48416.00	76774.40	133632.00
900000	3111.11	6400.00	11375.68	31111.11	64000.00	100958.40	171840.00
1080000	3733.33	7680.00	13654.40	37333.33	76800.00	121158.40	202224.00
1440000	4933.33	10112.00	18139.20	49333.33	101120.00	161548.80	269760.00
1800000	6166.67	12544.00	22624.00	61666.67	125440.00	201939.20	339696.00
2160000	7400.00	14976.00	27108.80	74000.00	149760.00	241729.60	403776.00
2700000	9200.00	18720.00	33843.84	92000.00	187200.00	302120.00	504960.00
3600000	12266.67	24963.20	45110.72	122666.67	249632.00	402816.00	668160.00
4800000	16333.33	33280.00	59481.60	163333.33	332800.00	537120.00	890880.00
6000000	19900.00	40352.00	71510.40	199000.00	403520.00	645440.00	1114560.00
7200000	23866.67	48416.00	85318.40	238666.67	484160.00	767744.00	1337280.00
9000000	31111.11	64000.00	113756.80	311111.11	640000.00	1009584.00	1719040.00
10800000	37333.33	76800.00	136544.00	373333.33	768000.00	1211584.00	2023680.00
14400000	49333.33	101120.00	181392.00	493333.33	1011200.00	1615488.00	2699040.00
18000000	61666.67	125440.00	226240.00	616666.67	1254400.00	2019392.00	3398400.00
21600000	74000.00	149760.00	271088.00	740000.00	1497600.00	2417296.00	4039680.00
27000000	92000.00	187200.00	338438.40	920000.00	1872000.00	3021200.00	5051520.00
36000000	122666.67	249632.00	451107.20	1226666.67	2496320.00	4028160.00	6684160.00
48000000	163333.33	332800.00	594816.00	1633333.33	3328000.00	5371200.00	8914560.00
60000000	199000.00	403520.00	715104.00	1990000.00	4035200.00	6454400.00	11152000.00
72000000	238666.67	484160.00	853184.00	2386666.67	4841600.00	7677440.00	13379200.00
90000000	311111.11	640000.00	1137568.00	3111111.11	6400000.00	10095840.00	17196800.00
108000000	373333.33	768000.00	1365440.00	3733333.33	7680000.00	12115840.00	20243200.00
144000000	493333.33	1011200.00	1813920.00	4933333.33	10112000.00	16154880.00	26996800.00
180000000	616666.67	1254400.00	2262400.00	6166666.67	12544000.00	20193920.00	33988800.00
216000000	740000.00	1497600.00	2710880.00	7400000.00	14976000.00	24172960.00	40403200.00
270000000	920000.00	1872000.00	3384384.00	9200000.00	18720000.00	30212000.00	50521600.00
360000000	1226666.67	2496320.00	4511072.00	12266666.67	24963200.00	40281600.00	66848000.00
480000000	1633333.33	3328000.00	5948160.00	16333333.33	33280000.00	53712000.00	89152000.00
600000000	1990000.00	4035200.00	7151040.00	19900000.00	40352000.00	64544000.00	111536000.00
720000000	2386666.67	4841600.00	8531840.00	23866666.67	48416000.00	76774400.00	133808000.00
900000000	3111111.11	6400000.00	11375680.00	31111111.11	64000000.00	100958400.00	172000000.00
1080000000	3733333.33	7680000.00	13654400.00	37333333.33	76800000.00	121158400.00	202464000.00
1440000000	4933333.33	10112000.00	18139200.00	49333333.33	101120000.00	161548800.00	269984000.00
1800000000	6166666.67	12544000.00	22624000.00	61666666.67	125440000.00	201939200.00	339904000.00
2160000000	7400000.00	14976000.00	27108800.00	74000000.00	149760000.00	241729600.00	404096000.00
2700000000	9200000.00	18720000.00	33843840.00	92000000.00	187200000.00	302120000.00	505280000.00
3600000000	12266666.67	24963200.00	45110720.00	122666666.67	249632000.00	402816000.00	668544000.00
4800000000	16333333.33	33280000.00	59481600.00	163333333.33	332800000.00	537120000.00	891616000.00
6000000000	19900000.00	40352000.00	71510400.00	199000000.00	403520000.00	645440000.00	1115440000.00
7200000000	23866666.67	48416000.00	85318400.00	238666666.67	484160000.00	767744000.00	1338160000.00
9000000000	31111111.11	64000000.00	113756800.00	311111111.11	640000000.00	1009584000.00	1720160000.00
10800000000	37333333.33	76800000.00	136544000.00	373333333.33	768000000.00	1211584000.00	2024800000.00
14400000000	49333333.33	101120000.00	181392000.00	493333333.33	1011200000.00	1615488000.00	2699920000.00
18000000000	61666666.67	125440000.00	226240000.00	616666666.67	1254400000.00	2019392000.00	3399120000.00
21600000000	74000000.00	149760000.00	271088000.00	740000000.00	1497600000.00	2417296000.00	4041120000.00
27000000000	92000000.00	187200000.00	338438400.00	920000000.00	1872000000.00	3021200000.00	5053040000.00
36000000000	122666666.67	249632000.00	451107200.00	1226666666.67	2496320000.00	4028160000.00	6685600000.00
48000000000	163333333.33	332800000.00	594816000.00	1633333333.33	3328000000.00	5371200000.00	8916320000.00
60000000000	199000000.00	403520000.00	715104000.00	1990000000.00	4035200000.00	6454400000.00	11154800000.00
72000000000	238666666.67	484160000.00	853184000.00	2386666666.67	4841600000.00	7677440000.00	13382240000.00
90000000000	311111111.11	640000000.00	1137568000.00	3111111111.11	6400000000.00	10095840000.00	17202240000.00
108000000000	373333333.33	768000000.00	1365440000.00	3733333333.33	7680000000.00	12115840000.00	20249600000.00
144000000000	493333333.33	1011200000.00	1813920000.00	4933333333.33	10112000000.00	16154880000.00	26999840000.00
180000000000	616666666.67	1254400000.00	2262400000.00	6166666666.67	12544000000.00	20193920000.00	33991600000.00
216000000000	740000000.00	1497600000.00	2710880000.00	7400000000.00	14976000000.00	24172960000.00	40412800000.00
270000000000	920000000.00	1872000000.00	3384384000.00	9200000000.00	18720000000.00	30212000000.00	50531200000.00
360000000000	1226666666.67	2496320000.00	4511072000.00	12266666666.67	24963200000.00	40281600000.00	66857600000.00
480000000000	1633333333.33	3328000000.00	5948160000.00	16333333333.33	33280000000.00	53712000000.00	89164800000.00
600000000000	1990000000.00	4035200000.00	7151040000.00	19900000000.00	40352000000.00	64544000000.00	111550400000.00
720000000000	2386666666.67	4841600000.00	8531840000.00	23866666666.67	48416000000.00	76774400000.00	133824000000.00
900000000000	3111111111.11	6400000000.00	11375680000.00	31111111111.11	64000000000.00	100958400000.00	172024000000.00
1080000000000	3733333333.33	7680000000.00	13654400000.00	37333333333.33	76800000000.00	121158400000.00	202500000000.00
1440000000000	4933333333.33	10112000000.00	18139200000.00	49333333333.33	101120000000.00	161548800000.00	269999200000.00
1800000000000	6166666666.67	12544000000.00	22624000000.00	61666666666.67	125440000000.00	201939200000.00	339917600000.00
2160000000000	7400000000.00	14976000000.00	27108800000.00	74000000000.00	149760000000.00	241729600000.00	404132000000.00
2700000000000	9200000000.00	18720000000.00	33843840000.00	92000000000.00	187200000000.00	302120000000.00	505316000000.00
3600000000000	12266666666.67	24963200000.00	45110720000.00	122666666666.67	249632000000.00	402816000000.00	668

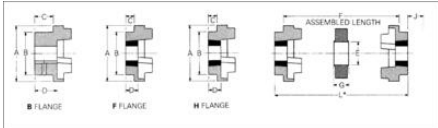


PHYSICAL DIMENSIONS AND CHARACTERISTICS

Common Dimensions										Type F & H					Type B		
Size	Common Dimensions					Max. Bore		Bore Dia's			Max. Bore		Bore Dia's		Screw over key		
	A	B	E	F x H	G	Bush size	mm	in.	C	D	J1	Max.	Pilot H8				
70	69	31	25.0	18.0	1008	25	1"	20.0	23.5	29	32	8	M 6	20	23.5		
90	85	30	32	30.5	22.5	1108	25	1 1/8	18.5	23.5	29	42	10	M 6	26	30.0	
110	112	100	45	40.0	29.0	1610	42	1 1/8	18.5	26.5	38	55	15	M10	31	45.0	
130	130	105	60	60.0	36.0	1610	42	1 1/8	18.0	26.5	38	60	15	M10	39	47.5	
150	150	115	62	60.0	40.0	2012	60	2	24.5	33.5	42	70	20	M10	46	56.0	
180	180	125	77	73.0	49.0	2517	60	2 1/2	34.5	48.5	48	80	25	M10	55	70.0	
230	225	185	99	85.5	69.5	3000	75	3	39.5	52.5	55	100	25	M12	77	90.0	
280	275	208	119	105.5	74.5	3525	100	4	51.0	66.5	67	115	30	M16	90	105.5	

J1 is the wrench clearance required for tightening/loosening the bolt on the shaft. A shortened wrench will allow this dimension to be reduced.
 F, H refers to combinations of flanges: FF, FH, HH, FE, HE, HB, BB.
 Bore limits H7 unless otherwise specified.

Size	Assembled Length (L*) Comprising Flange Types				Mass (kg)	Inertia M ² (kgm ²)	Dynamic Stiffness (N/m)	Maximum Misalignment		Nominal Torque (Nm)
	FF	FH	HH	BB				Parallel	Axial	
70	65.0	65.0	65.0	65.0	1.00	0.00095	-	0.3	+0.2	31
90	76	76	76	76	1.78	0.00115	-	0.3	+0.5	60
110	82.0	100.0	119.0	119.0	5.02	0.00405	66	0.3	+0.8	160
130	88.0	100.0	131.0	131.0	5.48	0.00780	130	0.4	+0.9	315
150	101.0	129.5	152.0	152.0	11.1	0.01810	175	0.4	+0.9	600
180	142.0	155.5	188.0	188.0	16.60	0.04340	229	0.4	+1.1	900
230	164.5	202.0	239.5	239.5	26.00	0.12068	587	0.5	+1.3	2000
280	207.5	246.5	285.5	285.5	50.00	0.44853	1025	0.5	+1.7	3150



Speed rpm/min	Coupling Size									
	70	90	110	130	150	180	230	280		
100	0.33	0.64	1.68	3.30	6.29	9.99	20.89	33.00		
200	0.66	1.28	3.36	6.60	12.58	19.98	41.78	66.00		
400	1.32	2.56	6.72	13.20	25.16	39.96	83.56	132.00		
600	2.00	3.84	10.08	19.80	37.74	59.94	125.34	198.00		
720	2.88	5.76	15.36	31.68	54.72	83.90	171.00	259.20		
800	3.33	6.66	17.60	35.20	62.88	95.88	201.00	310.00		
960	4.00	8.00	21.12	42.24	75.84	113.76	237.60	369.60		
1000	4.44	8.88	23.68	47.36	83.52	125.76	260.00	400.00		
1200	5.33	10.66	28.16	56.32	99.84	150.00	300.00	480.00		
1600	6.66	13.32	35.20	70.40	123.84	189.00	375.00	594.00		
2000	8.00	16.00	42.24	83.52	150.00	228.00	450.00	726.00		
2500	9.78	19.56	50.88	101.76	180.00	270.00	540.00	810.00		
3000	11.67	23.32	59.52	118.08	210.00	315.00	630.00	945.00		
3600	14.00	28.00	71.68	143.36	255.00	382.50	765.00	1147.50		
4000	16.00	32.00	80.00	160.00	288.00	432.00	864.00	1296.00		
5000	20.00	40.00	100.00	200.00	360.00	540.00	1080.00	1620.00		
6000	24.00	48.00	120.00	240.00	432.00	648.00	1296.00	1944.00		
7000	28.00	56.00	140.00	280.00	504.00	756.00	1512.00	2268.00		

Nominal Torque (Nm) 315 60 160 315 600 960 2000 3150
 Max Torque (Nm) 12 180 360 720 1000 2300 5000 7200

PHYSICAL DIMENSIONS AND CHARACTERISTICS

Common Dimensions						Type F & H					Type B							
Size	Common Dimensions					Max. Bore		Bore Dia's			Max. Bore		Bore Dia's					
	A	B	E	F x H	G	Bush mm	in.	C	D	J1	Max.	Pilot H8	Screw over key	C	D	Max.	Pilot H8	Screw over key
70	69	31	25	18.0	1008	28	1"	20.0	23.5	29	32	8	M 6	20	23.5	32	8	M 6
90	85	30	32	30.5	22.5	1108	28	1 1/8	18.5	23.5	29	42	10	M 6	26	30.0	10	M 6
110	112	100	45	40.0	29.0	1610	42	1 1/8	18.5	26.5	38	55	15	M10	31	45.0	15	M10
130	130	105	60	60.0	36.0	1610	42	1 1/8	18.0	26.5	38	60	15	M10	39	47.5	15	M10
150	150	115	62	60.0	40.0	2012	60	2	24.5	33.5	42	70	20	M10	46	56.0	20	M10
180	180	125	77	73.0	49.0	2517	60	2 1/2	34.5	48.5	48	80	25	M10	55	70.0	25	M10
230	225	185	99	85.5	69.5	3000	75	3	39.5	52.5	55	100	25	M12	77	90.0	25	M12
280	275	208	119	105.5	74.5	3525	100	4	51.0	66.5	67	115	30	M16	90	105.5	30	M16

J1 is the wrench clearance required for tightening/loosening the bolt on the shaft. A shortened wrench will allow this dimension to be reduced.
 F, H refers to combinations of flanges: FF, FH, HH, FE, HE, HB, BB.
 Bore limits H7 unless otherwise specified.

Size	Assembled Length (L*) Comprising Flange Types				Mass (kg)	Inertia M ² (kgm ²)	Dynamic Stiffness (N/m)	Maximum Misalignment		Nominal Torque (Nm)
	FF	FH	HH	BB				Parallel	Axial	
70	65.0	65.0	65.0	65.0	1.00	0.00095	-	0.3	+0.2	31
90	76	76	76	76	1.78	0.00115	-	0.3	+0.5	60
110	82.0	100.0	119.0	119.0	5.02	0.00405	66	0.3	+0.8	160
130	88.0	100.0	131.0	131.0	5.48	0.00780	130	0.4	+0.8	315
150	101.0	129.5	152.0	152.0	11.1	0.01810	175	0.4	+0.9	600
180	142.0	155.5	188.0	188.0	16.60	0.04340	229	0.4	+1.1	900
230	164.5	202.0	239.5	239.5	26.00	0.12068	587	0.5	+1.3	2000
280	207.5	246.5	285.5	285.5	50.00	0.44853	1025	0.5	+1.7	3150