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Fenner®

HRC KYTKIMET

Sähkömoottoreihin

HRC 090 G
Kytkinelementti

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



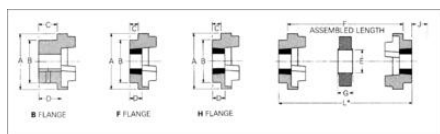
TUOTEKUVAUS

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 kytkimiä on myöskin saatavana palonkestävänä ja antistaattisena.

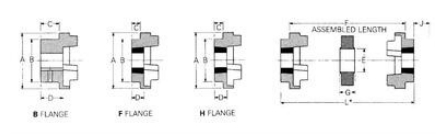
TEKNISET TIEDOT

TIEDOT

A	85 mm
B	70 mm
E	32 mm
F	30,5 mm
G	22,5 mm
Koko	90



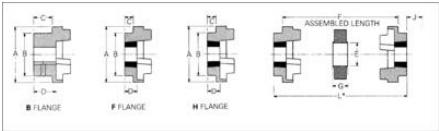
Speed rpm/min	70	90	110	130	150	180	230	280
100	0.33	0.84	1.68	3.36	6.28	9.95	20.90	33.00
200	0.66	1.68	3.36	6.72	12.56	19.90	41.80	66.00
400	1.32	3.36	6.72	13.44	25.12	39.80	83.60	132.00
600	2.00	5.04	10.08	20.16	37.70	59.70	125.40	198.00
720	2.37	6.02	12.04	23.88	43.20	71.80	151.00	238.00
900	2.97	7.56	15.12	29.52	53.76	88.30	188.00	297.00
1100	3.58	9.12	18.24	35.36	64.32	106.80	226.00	358.00
1400	4.75	12.16	24.32	47.52	86.40	143.00	302.00	475.00
1600	5.28	13.44	26.88	52.80	95.04	158.40	336.00	528.00
1800	5.84	14.88	29.76	58.80	105.12	175.20	370.00	584.00
2000	6.40	16.32	32.64	64.64	115.20	193.60	404.00	640.00
2200	7.00	17.84	35.68	70.72	125.76	212.80	438.00	700.00
2400	7.60	19.36	38.72	76.80	136.32	232.00	472.00	760.00
2600	8.24	20.96	41.92	83.04	147.36	252.00	506.00	824.00
2800	8.90	22.56	45.12	89.28	158.40	272.00	540.00	890.00
3000	9.60	24.16	48.32	95.52	169.44	292.00	574.00	960.00
3600	11.52	28.80	57.60	115.20	204.48	350.00	688.00	1152.00
Nominal Torque (Nm)	31.5	80	160	315	600	950	2000	3150
Max Torque (Nm)	72	180	360	720	1500	2350	5000	7200



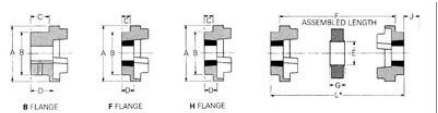
PHYSICAL DIMENSIONS AND CHARACTERISTICS																
Size	Common Dimensions					Type F & H					Type B					
	A	B	E	F	G	Bush mm	Max. bore mm	C	D	J	Bore Dia mm	Pilot mm	Score over key	C	D	
70	69	31	25.0	18.0	1008	25	17	20.0	23.5	29	32	8	M 6	20	23	
90	85	32	30.5	22.0	1108	28	19	19.5	23.5	29	42	10	M 6	26	30	
110	112	48	40.0	29.0	1810	42	19	18.5	28.5	38	50	10	M10	37	45	
130	130	50	53.0	36.0	1610	42	19	18.0	25.5	38	60	15	M10	39	47.5	
150	150	62	60.0	40.0	2010	60	2	22.5	33.5	42	70	20	M10	46	56	
180	180	77	73.0	49.0	2517	60	2	34.5	48.5	48	80	25	M10	59	70	
230	225	155	88	88.5	59.0	3200	75	3	38.5	52.5	55	100	25	M12	77	92
280	275	200	119	105.5	74.5	3025	100	4	51.0	66.5	67	115	30	M16	90	105.5

1. All the strength values are indicated for tightening/loosening the bush on the shaft. A shortened version will allow this dimension to be reduced.
2. F.F. refers to combinations of Torques: FF FH, FH FF, FF HH, HH FF.
3. Bush length 100 unless otherwise specified.

Size	Assembled Length (L*)			Mass (kg)	Inertia (kgm²)	Dynamic Stiffness (Nm/rad)	Maximum Misalignment		Nominal Torque (Nm)
	FF FH HH	FF HH	HH				Parallel	Angular	
70	65.0	65.0	65.0	1.00	0.00066	-	0.3	+0.2	31
90	85.0	85.0	85.0	1.18	0.00115	-	0.3	+0.3	80
110	105.0	105.0	105.0	1.40	0.00160	60	0.3	+0.8	160
130	125.0	125.0	125.0	1.60	0.00210	120	0.4	+0.8	215
150	142.0	142.0	142.0	1.80	0.00260	175	0.4	+0.9	260
180	164.5	164.5	164.5	2.00	0.00310	225	0.5	+1.1	310
230	205.0	205.0	205.0	2.50	0.00460	275	0.5	+1.3	390
280	245.0	245.0	245.0	3.00	0.00610	325	0.5	+1.7	490



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		
900	2.96	7.74	15.40	30.40	60.40	94.40	198.00	304.00		
960	3.17	8.04	16.10	31.70	63.30	99.00	201.00	312.00		
1140	4.76	12.16	24.16	47.90	95.40	148.00	302.00	476.00		
1400	4.76	12.16	24.16	47.90	95.40	148.00	302.00	476.00		
1600	5.24	13.40	26.80	52.80	105.00	160.00	320.00	528.00		
1800	5.91	15.10	30.20	60.40	119.00	179.00	377.00	594.00		
2000	6.60	16.80	33.60	66.00	132.00	199.00	418.00	660.00		
2200	7.26	18.40	36.80	72.60	145.00	219.00	460.00	726.00		
2400	7.92	20.10	40.20	79.20	158.00	239.00	503.00	792.00		
2500	8.58	21.80	43.60	85.80	171.00	259.00	546.00	858.00		
2800	9.60	24.16	48.30	96.00	191.00	288.00	594.00	960.00		
3000	9.60	24.16	48.30	96.00	191.00	288.00	594.00	960.00		
3600	11.90	30.10	60.20	119.00	238.00	357.00	716.00	1190.00		
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	Bore Dimensions					Max. Bore					Bore Dia's						
	A	B	E	F, I	G	Bush size	mm	in.	C	D	J1	Max.	Pilot	HB	Screw	key	
70	60	60	31	25.0	18.0	1008	25	1"	20.0	23.5	29	32	8	M 6	20	23.5	
90	85	85	30	32	22.5	1108	28	1 1/4	18.5	23.5	29	42	10	M 6	26	30.0	
110	112	100	40	45.0	29.0	1810	42	1 1/2	18.5	26.5	38	50	10	M10	31	45.0	
130	130	109	50	53.0	36.0	1610	42	1 1/2	18.0	26.5	38	60	16	M10	39	47.5	
150	150	115	62	62.0	40.0	2002	60	2	25.5	33.5	42	70	20	M10	46	56.0	
180	180	125	77	73.0	49.0	2517	60	2 1/4	34.5	48.5	48	80	25	M10	55	70.0	
230	225	105	99	85.5	69.0	3000	75	3	39.5	52.5	55	100	25	M12	77	90.0	
280	275	205	119	105.5	74.5	3025	100	4	51.0	66.5	67	115	30	M16	90	105.5	

1. F is the screw diameter related to the coupling size. The bore on the shaft. A shortened screw will allow this dimension to be reduced.
2. F refers to combinations of flanges: FF, FH, HH, FE, HB, BB.
Bore limits H7 unless otherwise specified.

Size	Assembled Length (L*) Coupling Range (F*)				Mass (kg)	Inertia M ² (kgm ²)	Dynamic Stiffness (Nm/r)	Maximum Misalignment		Nominal Torque (Nm)
	FF	FH	HH	BB				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	80
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	107.0	129.5	152.0	11	0.01810	175	0.4	+0.9	600	
180	142.0	165.5	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	285.0	50.00	0.44693	1025	0.5	+1.7	3150	