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Fenner®

HRC KYTKIMET

Sähkömoottoreihin

HRC 280 G

Kytkelementti

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



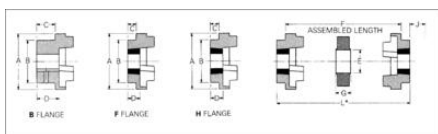
TUOTEKUVAUS

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.

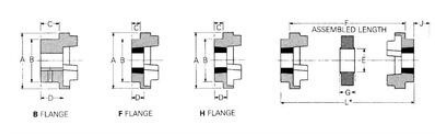
TEKNISET TIEDOT

TIEDOT

A	275 mm
B	206 mm
E	119 mm
F	105,5 mm
G	74,5 mm
Koko	280



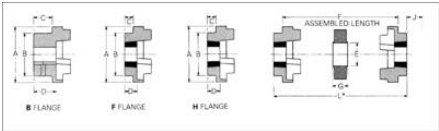
Speed rpm/min	Coupling Size									
	70	90	110	130	150	180	230	280		
100	0.33	0.84	1.68	3.36	6.28	9.95	20.90	33.00		
200	0.66	1.68	3.36	6.72	12.56	19.90	41.80	66.00		
400	1.32	3.36	6.72	13.44	25.12	39.80	83.60	132.00		
600	1.98	5.04	10.08	20.16	37.68	59.70	125.40	198.00		
720	2.37	6.03	12.10	23.80	45.20	71.80	151.00	238.00		
900	2.97	7.54	15.08	29.76	56.50	86.30	181.00	297.00		
1100	3.58	9.05	18.10	35.76	67.80	103.60	211.00	358.00		
1300	4.19	10.56	21.12	41.76	79.20	120.90	241.00	419.00		
1500	4.79	12.07	24.14	47.82	90.60	138.20	271.00	479.00		
1800	5.78	14.48	28.96	57.92	108.90	166.60	325.00	578.00		
2000	6.39	16.00	32.00	63.96	120.00	181.80	355.00	639.00		
2200	6.99	17.52	35.04	69.96	131.10	197.10	385.00	699.00		
2500	8.19	20.24	40.48	81.96	150.60	225.60	445.00	819.00		
2800	8.79	21.76	43.52	87.96	161.70	240.90	475.00	879.00		
3000	9.39	23.28	46.56	93.96	172.80	256.20	505.00	939.00		
3600	11.19	27.60	55.20	111.96	207.60	311.40	605.00	1119.00		
Nominal Torque (Nm)	31.5	80	160	315	600	950	2000	3150		
Max Torque (Nm)	72	180	360	720	1500	2350	5000	7200		



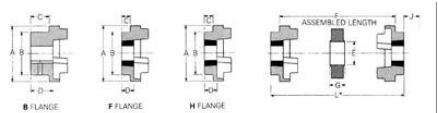
PHYSICAL DIMENSIONS AND CHARACTERISTICS									
Size	Common Dimensions				Type F & H				Type B
	A	B	E	F	Bush mm	Max. Bush mm	C	D	Bore Dia's mm
70	69	60	31	25.0	18.0	1008	25	17	20.0
90	85	70	32	30.5	22.0	1108	28	19	23.5
110	112	100	48	45.0	29.0	1810	42	19	28.5
130	130	105	50	53.0	36.0	1610	42	19	30.5
150	150	115	62	65.0	40.0	2010	50	2	33.5
180	180	125	77	73.0	49.0	2517	60	7	34.5
230	225	155	88	88.5	59.0	3200	75	3	38.5
280	275	200	119	105.5	74.5	3025	100	4	51.0

F & H refers to the strength characteristics indicated for tightening/bolting the bush on the shaft. A shortened version will allow this dimension to be reduced.
Bore Dia's M6 unless otherwise specified.

Size	Assembled Length (L*) Compensating Torque Types			Mass kg	Inertia I _{xx} kgm ²	Dynamic Stiffness N/mm	Maximum Misalignment		Nominal Torque (Nm)
	FF FH HH	FB HB	BB				Parallel	Axial	
70	65.0	65.0	65.0	1.00	0.00066	-	0.3	+0.2	31
90	69.5	70.0	70.0	1.18	0.00115	-	0.3	+0.5	80
110	85.0	100.0	119.0	5.00	0.00400	60	0.3	+0.8	180
130	89.0	100.0	121.0	5.48	0.00790	120	0.4	+0.8	215
150	107.0	129.0	152.0	11	0.01810	175	0.4	+0.9	600
180	142.0	165.0	188.0	16.60	0.04340	225	0.4	+1.1	950
230	164.5	202.0	238.5	26.00	0.12080	285	0.5	+1.3	2000
280	207.5	248.5	286.5	50.00	0.44600	3025	0.5	+1.7	3150



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	0.66	1.68	3.36	6.72	12.56	19.92	41.80	66.00		
400	1.32	3.36	6.72	13.44	25.12	39.84	83.60	132.00		
600	1.98	5.04	10.08	20.16	37.68	59.76	125.40	198.00		
720	2.37	6.03	12.10	23.80	45.20	71.80	151.00	238.00		
800	2.66	6.72	13.44	26.88	50.12	79.20	166.00	266.00		
900	3.17	8.04	16.10	31.70	60.30	95.00	201.00	317.00		
1000	3.36	8.40	16.80	33.60	63.40	100.00	212.00	336.00		
1100	3.75	9.36	18.72	37.44	69.84	110.00	232.00	375.00		
1200	4.04	10.08	20.16	40.32	74.88	119.00	248.00	404.00		
1400	4.71	11.76	23.52	47.04	86.40	134.00	282.00	471.00		
1600	5.28	13.44	26.88	53.76	97.92	150.00	316.00	528.00		
1800	5.94	15.12	30.24	60.48	110.00	167.00	350.00	594.00		
2000	6.60	16.80	33.60	67.20	121.00	183.00	384.00	660.00		
2200	7.26	18.48	36.96	73.92	132.00	199.00	418.00	726.00		
2400	7.92	20.16	40.32	80.64	143.00	215.00	452.00	792.00		
2600	8.58	21.84	43.68	87.36	154.00	231.00	486.00	858.00		
2800	9.24	23.52	47.04	94.08	165.00	247.00	520.00	924.00		
3000	9.90	25.20	50.40	100.80	176.00	263.00	554.00	990.00		
3600	11.88	30.24	60.48	121.00	212.00	316.00	660.00	1188.00		
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	Max. over key	Screw		
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	30.5	1108	28	1 1/4	18.5	23.5	29	42	10	M 6	26	23.5	
110	112	100	40	40.0	29.0	1310	42	1 1/2	18.5	26.5	38	50	10	M10	37	45.0	
130	130	109	50	50.0	36.0	1610	42	1 3/4	18.0	26.5	38	60	16	M10	39	47.5	
150	150	115	62	62.0	40.0	2002	60	2	23.5	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	59.5	3000	75	3	39.5	52.5	55	100	25	M12	77	90.0	
280	275	205	119	105.5	74.5	3525	100	4	51.0	66.5	67	115	30	M16	90	105.5	

1" = 25.4 mm. The search tolerance is indicated by the symbol $\pm$ on the shaft. A shortened search will allow this dimension to be reduced.
1" = 25.4 mm. The search tolerance is indicated by the symbol $\pm$ on the shaft. A shortened search will allow this dimension to be reduced.
Bore limits H7 unless otherwise specified.

Size	Assembled Length (L*) Coupling Range (Type)				Mass (kg)	Inertia I _x (kg·m ²)	Dynamic Stiffness (Nm/r)	Maximum Misalignment		Nominal Torque (Nm)
	FF	FB	HB	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	60	
110	82.0	100.0	119.0	5.02	0.00405	66	0.3	+0.6	160	
130	95.0	110.0	131.0	9.46	0.00780	130	0.4	+0.8	315	
150	107.0	129.0	152.0	11	0.01010	175	0.4	+0.9	600	
180	142.0	165.0	189.0	16.00	0.03430	229	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	0.44603	1025	0.5	+1.7	3150	