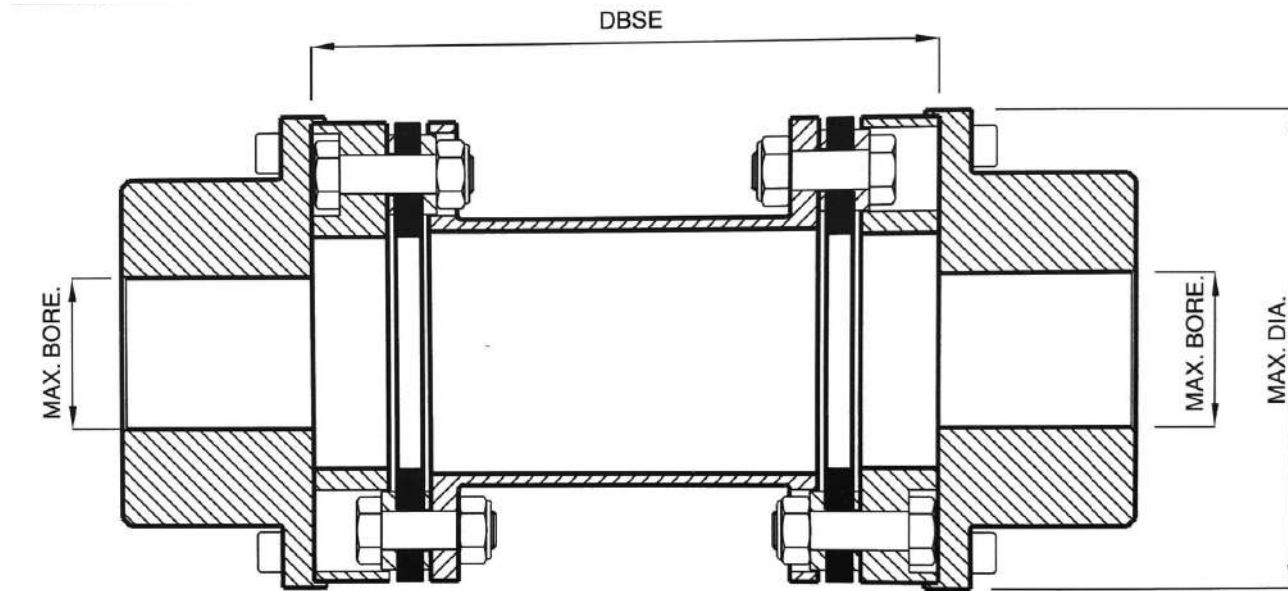




**Geometric Precision  
Manufacturing Pvt. Limited**

# Standard Coupling Model Tables:



# 6-Bolt Design

## 6- Bolt Design

Coupling size	speed kW/1000 rpm	Torque			Max speed	Min D.B.S.E.	Max Bore	Outside diameter	Weight	Moment of inertia	Torsional stiffness	Misalignment capacity			Axial Thrust
		Continuous / Nominal	Peak kNm	Short Circuit								Axial	Angular	Radial	
		kNm			n-min	mm	mm	mm	kg	kgm <sup>2</sup>	MNm- m/rad	-/+mm	Degree	-/+mm	N
80	90	0.9	1.7	2.6	28500	200	60	110	6.5	0.012	0.04	2.07	0.5	2.24	1380
100	184.5	1.8	3.5	5.3	22000	200	70	135	12	0.023	0.10	2.61	0.5	2.26	1920
120	333	3.2	6.4	9.5	20000	200	90	160	20	0.062	0.19	3.15	0.5	2.38	3000
140	531	5.1	10.1	15.2	17000	200	100	185	30	0.126	0.37	3.69	0.5	2.66	4140
160	810	7.7	15.5	23.2	16000	200	110	210	43	0.241	0.58	4.23	0.5	2.71	5520
180	1179	11.3	22.5	33.8	13000	250	130	240	64	0.461	0.72	4.77	0.5	3.20	7080
200	1638	15.6	31.3	46.9	11500	250	140	260	83	0.712	1.03	5.31	0.5	3.32	8820
220	2209.5	21.1	42.2	63.3	11000	250	150	280	110	1.116	1.48	5.85	0.5	3.43	10800
240	2781	26.6	53.1	79.7	10000	300	170	310	150	1.923	2.03	6.39	0.5	3.53	12360
270	4041	38.6	77.2	115.8	8000	300	190	350	215	3.245	2.83	7.2	0.5	3.93	15840
300	5625	53.7	107.4	161.2	6500	300	210	390	290	5.562	3.98	8.01	0.5	4.14	19740
315	7236	69.1	138.2	207.3	6500	350	220	410	350	7.286	4.82	8.28	0.5	4.33	23520
330	8613	82.3	164.5	246.8	5500	350	240	440	470	11.285	5.00	8.55	0.5	5.17	25620
360	11187	106.8	213.7	320.5	5000	400	250	480	600	15.284	6.75	9	0.5	5.49	30900

# 8-Bolt Design

Coupling size	speed kW/1000 rpm	Torque				Max speed	Min D.B.S.E.	Max Bore	Outside diameter	Weight	Moment of inertia	Torsional stiffness	Misalignment capacity			Axial Thrust
		Continuou s / Nominal	Peak kNm	Short Circuit									Axial	Angular	Radial	
		kNm			n-min								mm	mm	mm	
80	133.2	1.3	2.5	3.8	25500	200	60	110	5.64	0.01	0.04	1.5	0.375	1.55	2510	
100	265.5	2.5	5.1	7.6	19503	200	70	135	10.03	0.02	0.11	1.9	0.375	1.67	3430	
120	472.5	4.5	9.0	13.5	17416	200	90	160	14.66	0.04	0.25	2.3	0.375	1.7	5150	
140	756	7.2	14.4	21.7	15627	200	100	185	24.27	0.10	0.40	2.7	0.375	1.97	6900	
160	1152	11.0	22.0	33.0	14596	200	110	210	32.95	0.17	0.68	3.1	0.375	2	9200	
180	1669.5	15.9	31.9	47.8	11418	250	130	240	45.88	0.29	0.94	3.5	0.375	2.34	11700	
200	2340	22.3	44.7	67.0	10334	250	140	260	63.34	0.48	1.34	3.9	0.375	2.56	14500	
220	3150	30.1	60.2	90.2	9816	250	150	280	80.57	0.73	1.95	4.3	0.375	2.58	17600	
240	4005	38.2	76.5	114.7	8630	300	170	310	102.46	1.09	2.57	4.7	0.375	2.71	20300	
270	5751	54.9	109.8	164.8	6200	300	190	350	142.02	1.89	3.44	5.3	0.375	3.03	25900	
600	8001	76.4	152.8	229.2	5148	300	210	390	181.06	2.90	4.78	5.9	0.375	3.18	32300	
315	10287	98.2	196.5	294.7	5340	350	220	410	226.45	4.07	5.66	6	0.375	3.33	37500	
330	12258	117.1	234.1	351.2	4092	350	240	440	262.38	5.06	5.73	6.2	0.375	3.93	40200	
360	15912	152.0	303.9	455.9	3832	400	250	480	346.91	8.00	7.96	6.8	0.375	4.05	48470	

# 10-Bolt Design

		Torque								Weight	Moment of inertia	Torsional stiffness	Misalignment capacity		
Coupling size	speed kW/1000 rpm	Continuou s / Nominal	Peak kNm	Short Circuit	Max speed	Min D.B.S.E.	Max Bore	Outside diameter	Coupling assembly	Coupling assembly	Coupling assembly	Axial	Angular	Radial	Axial Thrust
		kNm			n-min	mm	mm	mm	kg	kgm2	MNm-m/rad	-/+mm	Degree	-/+mm	N
120	612	5.8	11.7	17.5	16109	200	90	160	17.90	0.06	0.26	1.6	0.25	1.18	4830
140	976.5	9.3	18.7	28.0	14629	200	100	185	25.66	0.11	0.44	1.8	0.25	1.31	6300
160	1485	14.2	28.4	42.5	13758	200	110	210	37.04	0.19	0.73	2.1	0.25	1.37	8250
180	2142	20.5	40.9	61.4	10529	250	130	240	48.82	0.31	1.00	2.4	0.25	1.56	10300
200	3006	28.7	57.4	86.1	9508	250	140	260	68.37	0.52	1.49	2.6	0.25	1.7	12600
220	4050	38.7	77.4	116.0	9080	250	150	280	86.46	0.77	2.11	2.9	0.25	1.76	15300
240	5089.5	48.6	97.2	145.8	7912	300	170	310	107.51	1.16	2.71	3.2	0.25	1.8	17700
270	7398	70.7	141.3	212.0	5402	300	190	350	149.86	1.99	3.51	3.6	0.25	2.02	22400
600	10287	98.2	196.5	294.7	4349	300	210	390	195.86	3.14	4.86	4	0.25	2.12	27800
315	13239	126.4	252.9	379.3	4680	350	220	410	252.05	4.46	6.12	4	0.25	2.25	31100
330	15768	150.6	301.2	451.8	3344	350	240	440	287.38	5.49	6.02	4.1	0.25	2.65	32700
360	20479.5	195.6	391.2	586.7	3142	400	250	480	394.39	9.50	8.27	4.5	0.25	2.74	39300