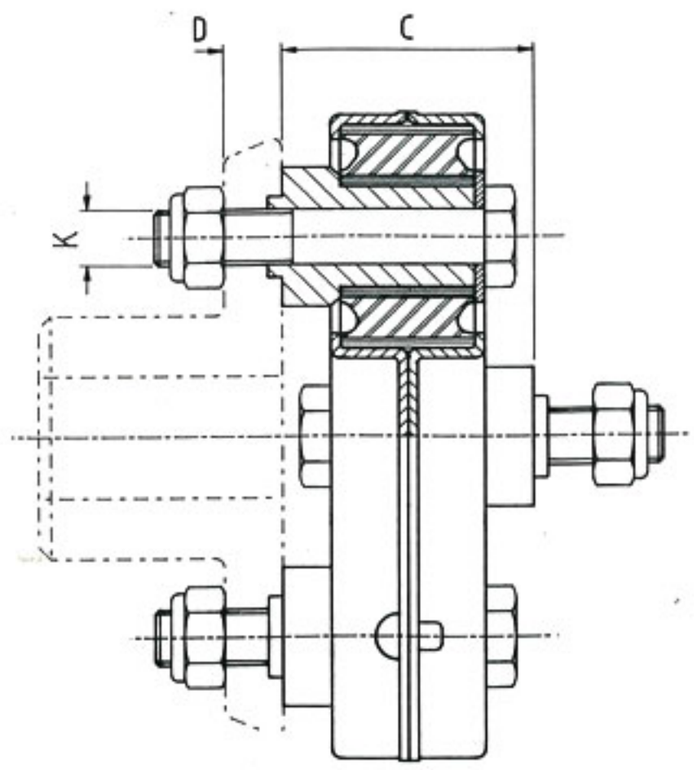
2/4 Series Couplings

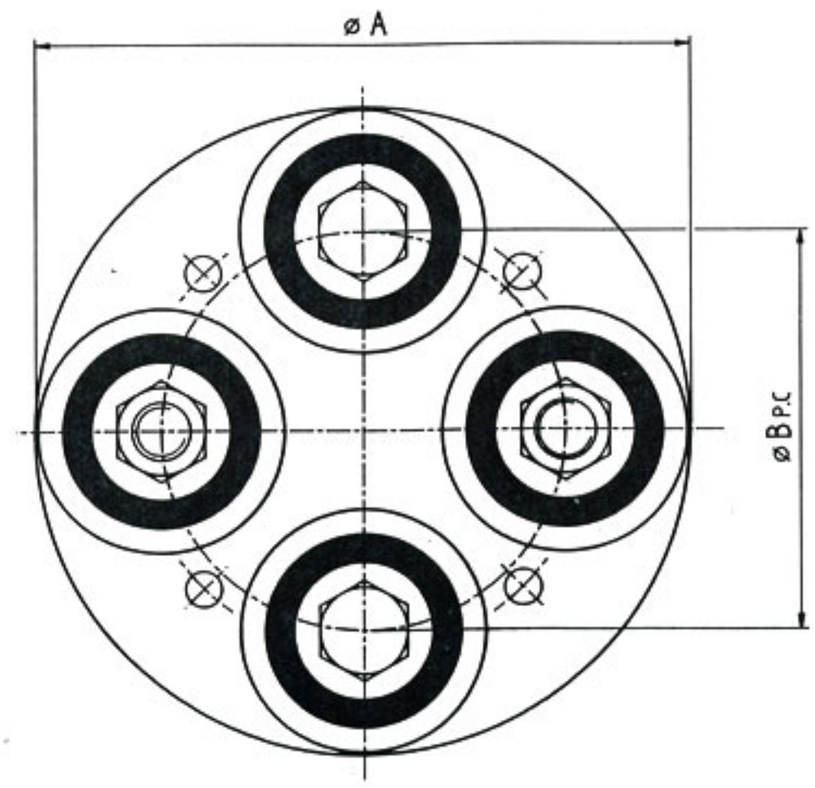
Typical Applications

Dumper Trucks, Excavators, Rollers, Cranes, Tractors, Rolling Mills, Commercial Vehicles, Electric Vehicles, Automotive P.T.Os, Dynamometers, Marine P.T.O.s, Diesel Auxiliary Drives

Block Type	Maximum Torque Nm	• Normal Torque Nm	•• Maximum Vibratory Torque ± Nm	DYNAMIC TORSIONAL STIFFNESS MNm/RAD					† Static Axial Stiffness N/mm	† Static Radial Stiffness N/mm	† Dynamic Conical Stiffness Nm/deg	Inertia kg.m²
				NATURAL RUBBER 50/55	60/65	70/75	75/80	NEOPRENE 60/65				
40	147	49	24.5	.0012	.002	.0035	.004	0.0028	196	1472	4	.008
50	235	78	39.2	.0009	.0015	.0026	.003	0.0021	177	687	6	.0019
60+	392	131	65.3	.0024	.004	.007	.008	0.0056	265	1177	10	.005
65	598	199	100	.0036	.006	.0105	.012	0.0084	314	1560	16	.007
70	735	245	122	.0048	.008	.014	.016	0.0112	314	1765	21	.011
70+	929	310	155	.008	.013	.022	.025	0.018	350	2804	25	.011
80	1080	360	180	.0072	.012	.021	.024	0.0168	402	1962	30	.02
80+	1351	450	22.5	.009	.014	.025	.029	0.02	491	2453	43	.02
90	1492	497	249	.0102	.017	.0297	.034	0.0238	470	2256	47	.037
100	1898	633	316	.0108	.018	.0315	.036	0.0252	422	2060	48	.06
105	2712	904	452	.0102	.017	.0297	.034	0.0236	705	1962	77	.087
120	3254	1085	542	.0156	0.26	.0455	.052	0.0364	705	1962	101	.15

• Normal torque based on a service factor of 3. •• Maximum vibratory torque base frequency of 450 vpm † All stiffness values are for natural rubber 60°/65° duro.





Block Type	Maximum Coupling Angles		Maximum Extension or Compression per Coupling with $\theta_2°$ and $\theta_2°$ (mm)		Maximum Radial Mis-alignment of Single Couplings	†† Maximum Speed of Single Couplings	DIMENSIONS (mm)					Basic Coupling Assembly Number	Fixing Kit Number	Weight
	Con-tinuous $\theta_1°$	Mom-entary $\theta_2°$	$\theta_1°$	$\theta_2°$	(mm)	rev/min	A Dia	B PCD	C	D	K			Kg
40	2°	5°	1.2	3.2	0.3	6000	102	65.08	41.5	10	M10	LA21001	LA22001	0.6
50	3.5°	8°	1.6	4.0	0.3	5000	128	80.96	47.5	10	M12	LA21002	LA22002	1.0
60+	3.5°	8°	2.4	6.4	0.4	5000	153	96.84	57.0	10	M12	LA21004	LA22004	1.7
65	3.5°	8°	2.4	6.4	0.4	5000	167	104.78	57.0	12.5	M12	LA21005	LA22005	2.3
70	3.5°	8°	2.4	6.4	0.4	5000	178	109.54	68.5	16	M16	LA21006	LA22007	3.1
70+	3.5°	8°	2.4	3.2	0.4	5000	178	109.54	68.5	16	M16	LA21008	LA22009	3.1
80	3.5°	8°	3.2	7.9	0.5	4500	203	125.42	68.5	16	M16	LA21010	LA22010	4.2
80+	3.5°	8°	3.2	3.9	0.5	4500	203	125.42	68.5	16	M16	LA21011	LA22010	4.2
90	3.5°	8°	3.2	7.9	0.5	4000	229	141.28	76.0	19	M16	LA21012	LA22012	5.9
100	3.5°	8°	3.2	7.9	0.6	3500	254	157.12	79.5	19	M20	LA21013	LA22013	7.5
105	3.5°	8°	4.0	9.5	0.6	2500	270	157.12	92.0	25	M24	LA21014	LA22014	11.3
120	3.5°	8°	4.0	9.5	0.6	2000	305	187.32	92.0	25	M24	LA21015	LA22015	13.6

†† For speeds in excess of specified values or maximum shaft speeds, please consult our Engineering Department

× Type 50 has a ø22 hole through the centre

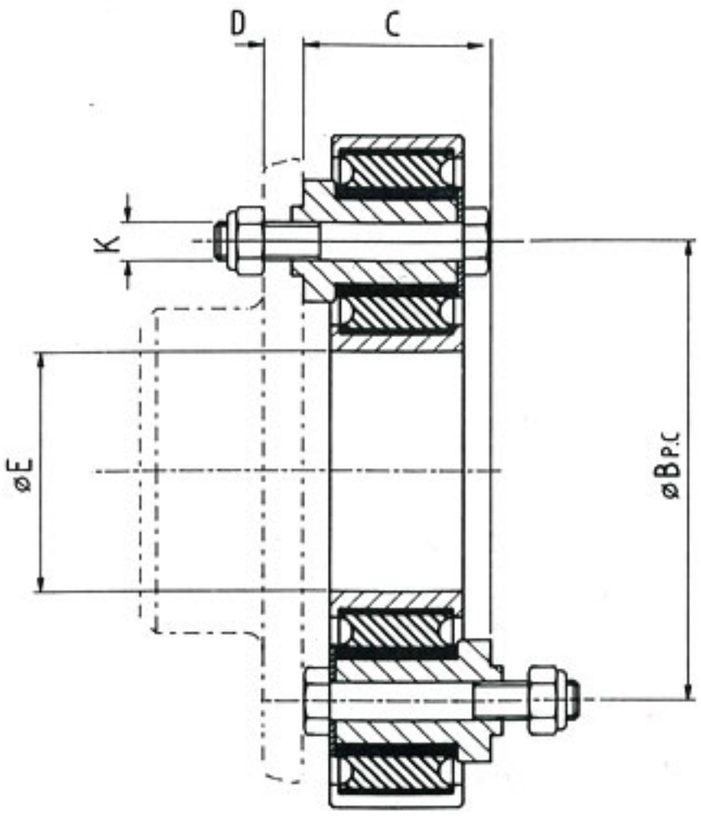
3/6 Series Couplings

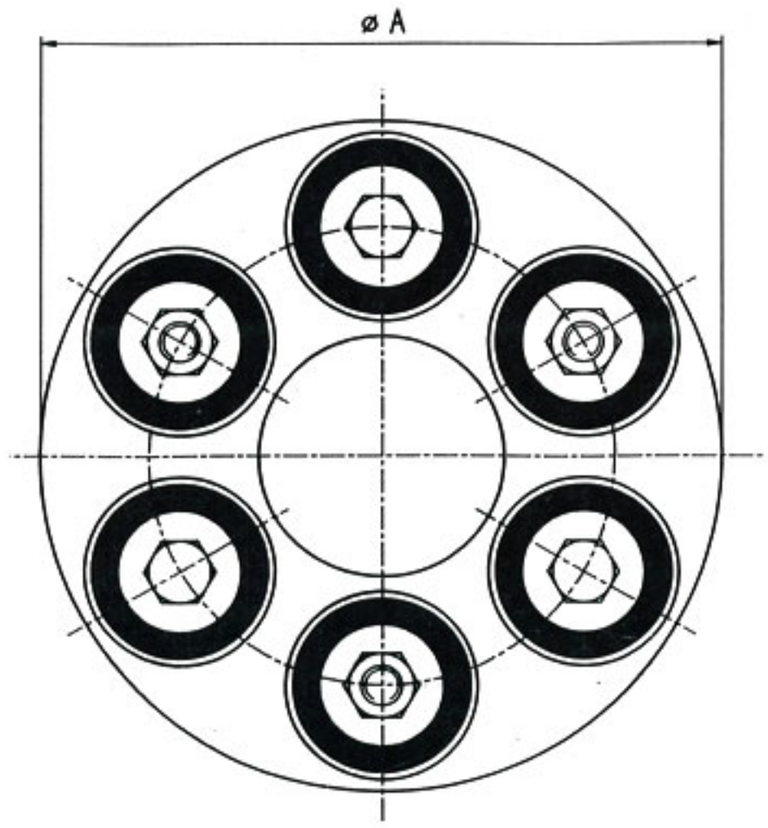
Typical Applications

Generating Sets
Dumper Trucks
Compressor Sets
Marine Maindrives and P.T.O.s
Pump Sets
Diesel Multiple Units
Locomotives
Automotive Transmissions and P.T.Os.

Block Type	Maximum Torque Nm	• Normal Torque Nm	•• Maximum Vibratory Torque ± Nm	DYNAMIC TORSIONAL STIFFNESS MNm/RAD					† Static Axial Stiffness N/mm	† Static Radial Stiffness N/mm	† Dynamic Conical Stiffness Nm/deg	Inertia kg.m²
				NATURAL RUBBER				NEOPRENE				
				50/55	60/65	70/75	75/80	60/65				
70	1356	452	226	.012	.02	.035	.04	.028	470	2650	42	.025
80	2033	678	339	.016	.027	.047	.054	.038	600	2940	64	.058
90	3119	1040	520	.028	.047	.082	.094	.066	706	3385	106	.09
100	4340	1447	723	.041	.068	.119	.136	.095	630	3090	141	.153
120	5831	1944	972	.032	.054	.094	.108	.076	1080	2940	205	.317
140	8140	2713	1357	.044	.074	.129	.148	.104	880	2500	265	.516

• Normal torque based on a service factor of 3. •• Maximum vibratory torque base frequency of 450 vpm † All stiffness values are for natural rubber 60°/65° duro.





Block Type	Maximum Coupling Angles		Maximum Extension or Compression per Coupling with $\theta_2°$ and $\theta_2°$ (mm)		Maximum Radial Mis-alignment of Single Couplings	†† Maximum Speed of Single Couplings	DIMENSIONS (mm)						Basic Coupling Assembly Number	Fixing Kit Number	Weight
	Con-tinuous $\theta_1°$	Mom-entary $\theta_2°$	$\theta_1°$	$\theta_2°$	(mm)	rev/min	A Dia	B PCD	C	D	E Dia.	K			Kg
70	2.5°	6.0°	2.4	6.4	0.3	3000	220	139.70	68.5	16	63.5	M16	LA21018	LA220116	4.6
80	2.5°	6.0°	3.2	7.9	0.4	3000	251	160.32	68.5	16	66.5	M16	LA21019	LA22017	7.8
90	2.5°	6.0°	3.2	7.9	0.4	3000	286	188.88	76.0	19	92.0	M16	LA21020	LA22018	9.1
100	2.0°	5.0°	3.2	7.9	0.5	2500	350	241.30	79.5	19	130.0	M20	LA21021	LA22019	11.2
120	2.5°	6.0°	3.2	7.9	0.5	2500	353	225.40	92.0	19	101.0	M24	LA21022	LA22020	18.1
140	2.5°	6.0°	3.2	7.9	0.6	2500	423	279.40	101.5	25	139.0	M24	LA21023	LA22021	26.0

†† For speeds in excess of specified values or maximum shaft speeds, please consult our Engineering Department

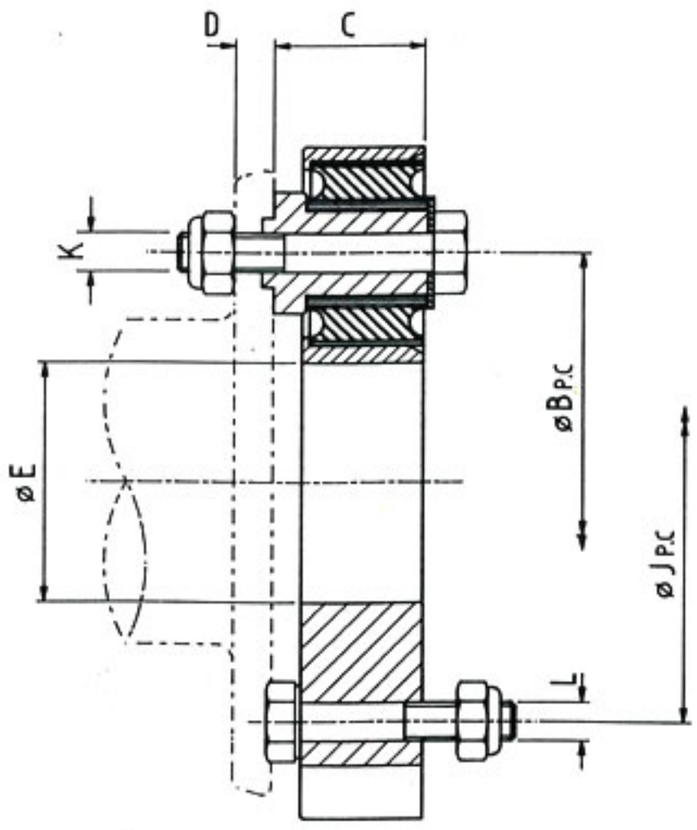
6/6 Series Couplings

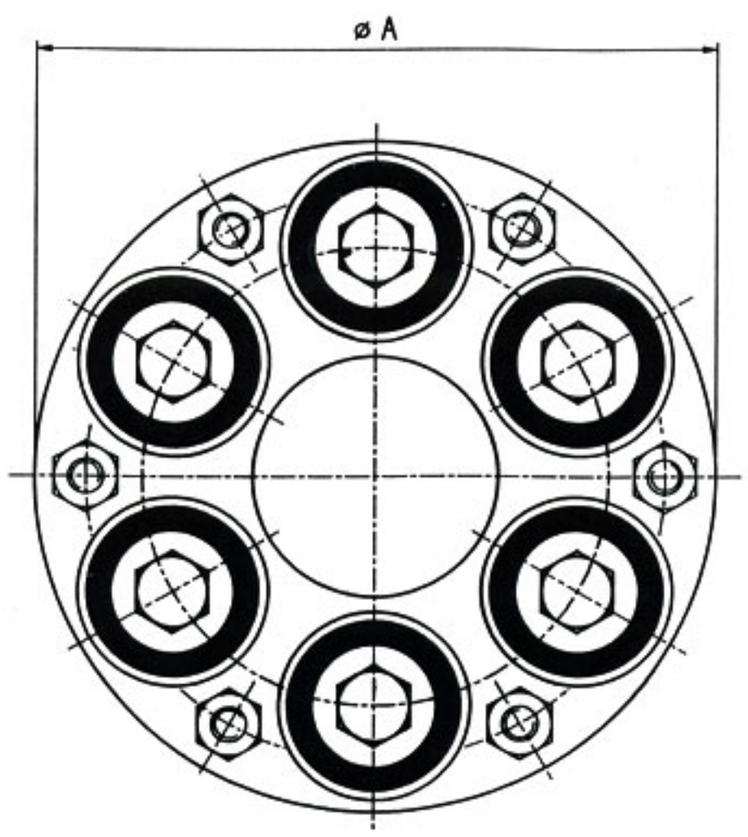
Typical Applications

Generating Sets — Compressor Sets — Steel Mills — Fans
Pump Sets — Marine Maindrives — Dynamometers — Tractor P.T.Os.

Block Type	Maximum Torque Nm	• Normal Torque Nm	•• Maximum Vibratory Torque ± Nm	DYNAMIC TORSIONAL STIFFNESS MNm/RAD					† Static Axial Stiffness N/mm	† Static Radial Stiffness N/mm	† Dynamic Conical Stiffness Nm/deg	INERTIA Kg m²	
				NATURAL RUBBER 50/55	NATURAL RUBBER 60/65	NATURAL RUBBER 70/75	NATURAL RUBBER 75/80	NEOPRENE 60/65				I_1	I_2
40	515	172	86	.0108	.018	.0315	.036	.0252	1176	8820	31	.002	.0006
50	814	271	136	.0084	.014	.0245	.028	.0196	1078	4116	43	.005	.001
60+	1373	458	229	.0204	.034	.0595	.068	.0476	1568	7056	87	.013	.003
65	2170	723	362	.033	.055	.0962	.11	.077	1860	9410	130	.022	.006
70	2850	950	475	.0462	.077	.1347	.154	.1078	1860	10585	175	.037	.009
70+	3530	1176	588	.074	.123	.215	.246	.172	2106	16812	205	.037	.009
80	4460	1490	743	.078	.13	.2275	.26	.182	2450	11760	294	.084	.021
80+	5605	1868	934	.097	.162	.284	.324	.227	2942	14711	358	.084	.021
90	6100	2030	1020	.114	.19	.3325	.38	.266	2940	13525	426	.136	.034
100	7300	2430	1220	.114	.19	.3325	.38	.266	2450	12350	426	.185	.046
120	11800	3930	1970	.138	.23	.4025	.46	.322	4215	11760	837	.385	.096
140	14900	4970	2480	.156	.26	.455	.52	.364	3530	10000	940	.68	.17

• Normal torque based on a service factor of 3. •• Maximum vibratory torque base frequency of 450 vpm † All stiffness values are for natural rubber 60°/65° duro.





Block Type	Maximum Coupling Angles		Maximum Extension or Compression per Coupling with θ_2° and θ_2° (mm)		Maximum Radial Mis-alignment of Single Couplings	†† Maximum Speed of Single Couplings	DIMENSIONS (mm)								Basic Coupling Assembly Number	Fixing Kit Number	Weight
	Con-tinuous θ_1°	Mom-entary θ_2°	θ_1°	θ_2°	(mm)	rev/min	A Dia	B PCD	C	D	E Dia.	J PCD	K	L			Kg
40	1°	2°	0.6	1.6	0.13	6000	115	76.2	32.5	10	34.93	98.4	M10	M8	LA21024	LA22022	1.5
50	1°	2°	0.8	2.0	0.13	6000	145	95.26	37.0	10	44.45	125.42	M12	M10	LA21025	LA22023	2.2
60+	1°	2°	1.2	3.2	0.15	5000	172	114.3	45.0	10	55.56	152.4	M12	M10	LA21026	LA22024	4.0
65	1°	2°	1.2	3.2	0.15	5000	191	127.0	45.0	11	60.32	165.1	M16	M12	LA21027	LA22025	5.5
70	1°	2°	1.2	3.2	0.15	5000	210	139.7	53.0	14	68.26	184.16	M16	M12	LA21028	LA22026	7.2
70+	1°	2°	1.2	3.2	0.15	5000	210	139.7	53.0	14	68.26	184.16	M16	M12	LA21029	LA22027	7.3
80	1°	2°	1.6	4.0	0.18	4000	253	171.46	55.0	14	88.90	215.9	M16	M12	LA21030	LA22028	11.0
80+	1°	2°	1.6	4.0	0.18	4000	253	171.46	55.0	14	88.90	215.9	M16	M12	LA21031	LA22029	11.0
90	1°	2°	1.6	4.0	0.20	3500	276	188.88	61.0	16	98.43	234.94	M16	M16	LA21032	LA22030	15.1
100	1°	2°	1.6	4.0	0.25	3500	296	200.2	65.0	19	101.60	250.82	M20	M16	LA21033	LA22031	18.2
120	1°	2°	2.0	4.8	0.25	3000	346	228.6	73.0	19	107.95	298.44	M24	M16	LA21034	LA22032	30.4
140	1°	2°	2.0	4.8	0.30	2500	394	260.34	80.5	25	127.00	339.72	M24	M20	LA21035	LA22033	39.5

†† For speeds in excess of specified values or maximum shaft speeds, please consult our Engineering Department

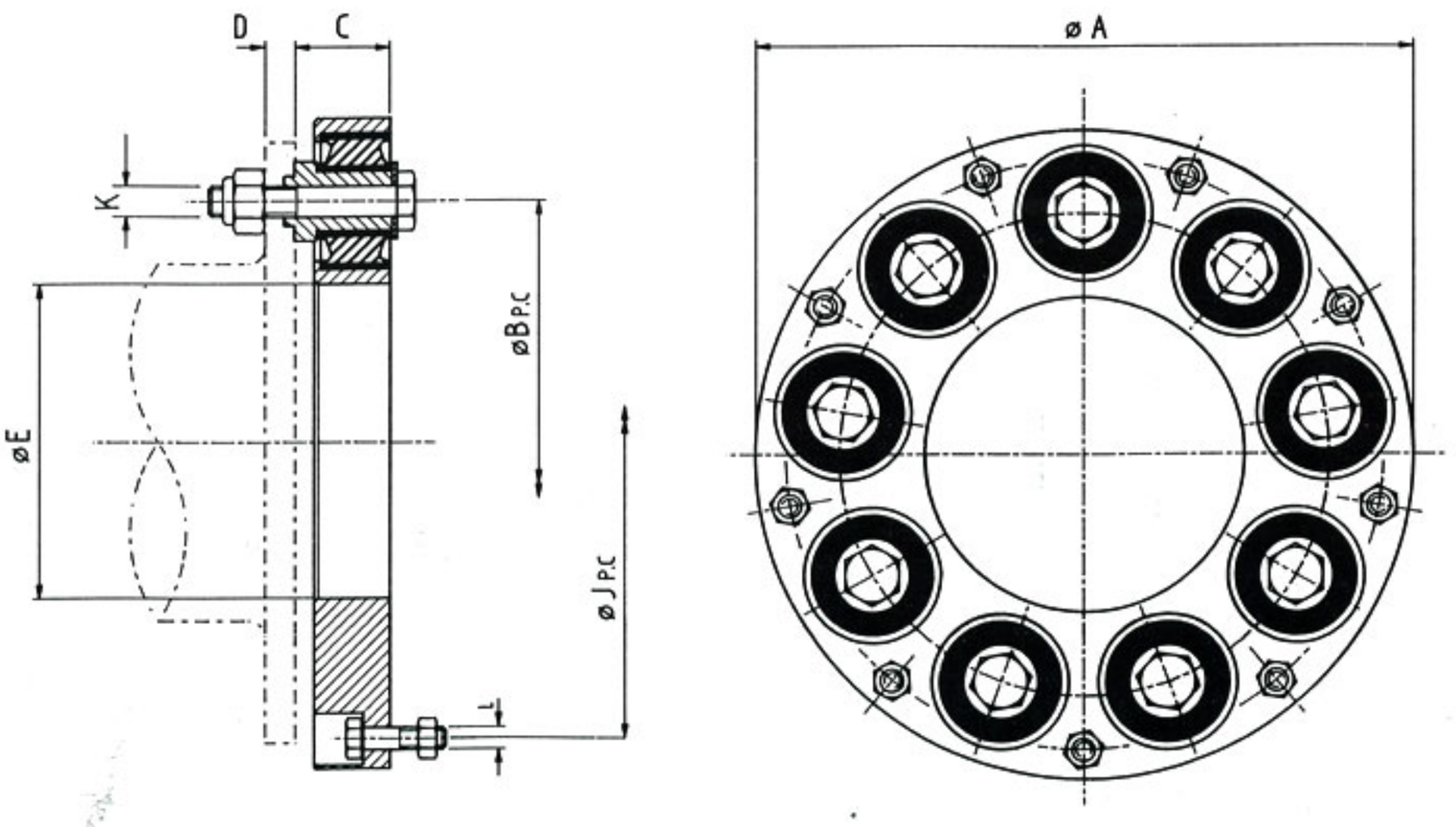
Multi-Point Couplings

Typical Applications

Marine Maindrives
Rail Traction
Hovercraft
Dynamometers
Helicopters
Gas Turbine Generating Sets

Coupling Type	Maximum Torque Nm	• Normal Torque Nm	•• Maximum Vibratory Torque ± Nm	DYNAMIC TORSIONAL STIFFNESS MNm/RAD					† Static Axial Stiffness N/mm	† Static Radial Stiffness N/mm	† Dynamic Conical Stiffness Nm/deg	INERTIA Kg m²	
				NATURAL RUBBER				NEOPRENE					
				50/55	60/65	70/75	75/80	60/65				I_1	I_2
120-8/8	20300	6770	3380	.3	.5	.875	1	.7	5700	15700	1770	0.84	0.21
140-8/8	27050	9020	4510	.348	.58	1.015	1.16	.812	4700	13350	2062	1.50	0.38
140-9/9	33800	11270	5630	.486	.81	1.417	1.62	1.134	5300	15000	2797	2.01	0.50
140-10/10	40600	13530	6770	.654	1.09	1.907	2.18	1.526	5900	16700	3532	2.68	0.67
140-12/12	63700	21230	10620	1.338	2.23	3.902	4.46	3.122	7050	20000	6915	5.26	1.31

• Normal torque based on a service factor of 3.
•• Maximum vibratory torque base frequency of 450 vpm
† All stiffness values are for natural rubber 60°/65° duro.



Coupling Type	Maximum Coupling Angles		Maximum Extension or Compression per Coupling with $\theta_2°$ and $\theta_2°$ (mm)		Maximum Radial Mis-alignment of Single Couplings	†† Maximum Speed of Single Couplings	DIMENSIONS (mm)								Basic Coupling Assembly Number	Fixing Kit Number	Weight
	Con-tinuous $\theta_1°$	Mom-entary $\theta_2°$	$\theta_1°$	$\theta_2°$	(mm)	rev/mn	A Dia	B PCD	C	D	E Dia.	J PCD	K	L			Kg
120-8/8	.75°	1.5°	2.0	4.75	0.25	2400	419	295.2	73	19	168.27	374.64	M20	M16	LA21036	LA22036	40.9
140-8/8	1.0 °	2.0°	2.0	4.75	0.30	2100	483	343.0	80.5	25	203.20	428.62	M24	M20	LA21037	LA22037	55.0
140-9/9	1.0 °	2.0°	2.0	4.75	0.30	1900	524	381.0	80.5	25	234.95	482.6	M24	M20	LA21038	LA22038	64.5
140-10/10	.75°	1.5°	2.0	4.75	0.30	1800	559	415.8	80.5	25	266.70	508.0	M24	M20	LA21039	LA22039	73.8
140-12/12	.75°	1.5°	2.0	4.75	0.30	1500	673	539.8	80.5	25	393.70	622.3	M24	M20	LA21040	LA22040	86.8

†† For speeds in excess of specified values or maximum shaft speeds, please consult our Engineering Department