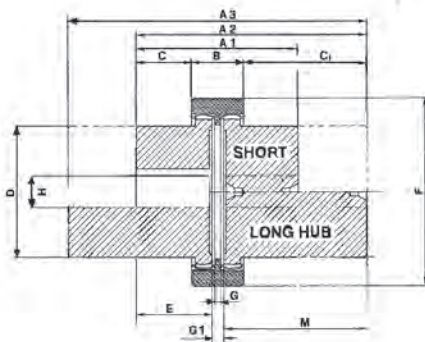


GDR Series



Design features:

GDR couplings comprise of two externally toothed solid steel hubs coupled by means of a 6,6 polyamide nylon outer sleeve having internally moulded teeth. The hub teeth are both crowned and barrelled, to eliminate tooth edge pressures, to minimise tooth reactive forces and to provide for radial, angular and axial misalignment. The combination of steel and nylon tooth engagement provides a low friction characteristic resulting in freedom from wear, lubrication, and maintenance. Continuous operating temperatures from -25°C to +90°C, with short peaks up to +125°C, are permissible.



Dimensions in millimetres

Type	A1	A2	A3	B	C	D	E	F	G	G1	M** long	Standard coupling stock bore, bored to H7 and keywayed	Weight kg.*
GDR 0.6/14	50	57	64	25	12.5	25	23	41	2	4	30	11-14	0.200
GDR 1.2/19	54	69	84	28	13.0	32	25	50	2	4	40	11-14-19	0.380
GDR 2/24	65	85	105	30	17.5	38	30	60	3	5	50	14-19-24	0.560
GDR 3.6/28	85	105	125	35	25.0	43	40	70	3	5	60	19-22-24-28	1.030
GDR 6.5/38	105	135	165	40	32.5	56	50	82	3	5	80	24-26-32-38	2.090
GDR 10/48	106	166	226	45	30.5	64	50	92	4	6	110	32-38-42-48	2.650
GDR 19/55	138	183	228	55	41.5	80	65	112	5	8	110	38-42-48-55	5.600
GDR 35/65	169	229	289	60	54.5	95	80	134	6	9	140	48-55-60-65	9.700

- * The weight refers to standard couplings unbored.
 **The extended hubs are available from stock, only unbored.
 Set screw holes are normally positioned over the keyway

Performance Table

Cat No.	Torque Nm		Max. rating kw/100rpm	Permissible kw power rating. (rpm)												rpm. max	kg cm ² *	Max. misalignment		Axial misalignment
	norm	max		500		750		1000		1500		3000		°C	mm					
	norm	max	norm	max	norm	max	norm	max	norm	max	norm	max								
GDR 0.6/14	10	20	0.21	0.50	0.62	0.75	1.57	1.00	1.24	1.50	3.15	3.00	6.30	7000	0.28	±2°	±0.4	±1		
GDR 1.2/19	16	32	0.33	0.85	1.65	1.27	2.47	1.70	3.30	2.55	4.95	5.10	9.90	7000	0.86	±2°	±0.4	±1		
GDR 2/24	20	40	0.41	1.00	2.05	1.50	3.08	2.00	4.10	3.00	6.15	6.00	12.3	6000	1.43	±2°	±0.5	±1		
GDR 3.6/28	45	90	0.94	2.35	4.70	3.52	7.05	4.70	9.40	7.05	14.1	14.1	28.2	6000	5.52	±2°	±0.5	±1		
GDR 6.5/38	80	160	1.67	4.15	8.35	6.22	12.5	8.30	16.7	12.4	24.0	24.0	48.0	5500	21.38	±2°	±0.5	±1		
GDR 10/48	138	276	2.89	7.20	14.4	10.8	21.6	14.4	28.9	21.6	43.3	43.2	86.7	5000	63.99	±2°	±0.5	±1		
GDR 19/55	280	560	5.86	14.5	29.3	21.7	43.9	29.0	58.6	43.5	87.9	87.0	176	4000	117.00	±2°	±0.6	±1		
GDR 35/65	386	770	8.06	20.1	40.3	30.2	60.4	40.3	80.6	60.4	121	121	242	3500	305.00	±2°	±0.6	±1		

*The moments of inertia figures refer to standard couplings, bored to the maximum value shown on the dimensions table below