

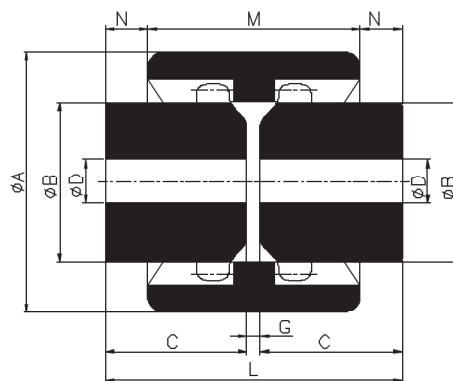
# POLYGEAR COUPLINGS TYPE RPG



- Double cardanic curve tooth gear coupling
- Operating temp.. range -25° C to +100° C
- Accommodated axial, parallel and angular shaft misalignment
- Suitable for vertical and horizontal application
- Simple & easy to assemble - Axial Plug In
- Low weight & low inertia
- Maintenance free due to combination of steel & nylon
- Useful for all applications of general engineering & hydraulics

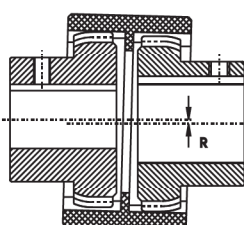


**RPG Coupling**

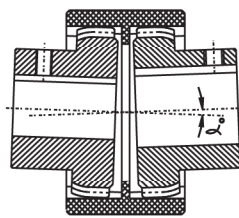


## TECHNICAL DATA

Coupling Size	Rating at 100 rpm		Rated Torque (N-m)	Max. Speed rpm	Pilot Bore	Max. Bore (ØD) mm	ØA	ØB	C	G	M	N	Wt. in kg.	M.I. (WR <sup>2</sup> ) in kgm <sup>2</sup>	Maximum Misalignment		
	KW	HP													Axial ± mm	Radial ± mm	Angular °
RPG-14	0.10	0.13	10	14000	5	15	40	25	23	4	37	6.5	0.10	0.26	1	0.3	±1°
RPG-19	0.17	0.22	16	11800	10	20	48	31	25	4	37	8.5	0.23	0.47	1	0.3	±1°
RPG-24	0.21	0.28	20	10600	10	24	52	36	26	4	41	7.5	0.32	0.93	1	0.4	±1°
RPG-28	0.47	0.63	45	8500	10	28	66	44	40	4	46	19	0.74	3.09	1	0.4	±1°
RPG-32	0.63	0.84	60	7500	10	32	76	50	40	4	48	18	0.95	5.48	1	0.4	±1°
RPG-38	0.84	1.12	80	6700	10	38	83	58	40	4	48	18	1.23	8.68	1	0.4	±1°
RPG-42	1.00	1.34	100	6000	10	42	92	65	42	4	50	19	1.50	14.28	1	0.4	±1°
RPG-48	1.50	2.01	140	5600	10	48	95	68	50	4	50	27	1.81	18.34	1	0.4	±1°
RPG-65	4.00	5.36	380	4000	10	65	132	96	55	4	68	23	4.35	84.80	1	0.4	±1°



**RADIAL MISALIGNMENT (R)**



**ANGULAR MISALIGNMENT (α)**

Order Sequence	Coupling Size	Finish Bore (Driver)	Finish Bore (Driven)
<b>Example</b>	RPG-28	Ø 20	Ø 25

- All dimensions are in mm unless otherwise specified. For vertical installation contact RATHI.
- Weight & Inertia figures are at Max Bore.

## GUIDELINES FOR ASSEMBLY

Both the hubs must be assembled in such a way that they are flush with shaft ends. Maintain gap 'G' as mentioned in the table. If it is difficult to measure dimension 'G', use overall length to determine the same.

It is important that the sleeve slides easily in the axial direction. Accurate alignment of shafts improves the life of this coupling.