

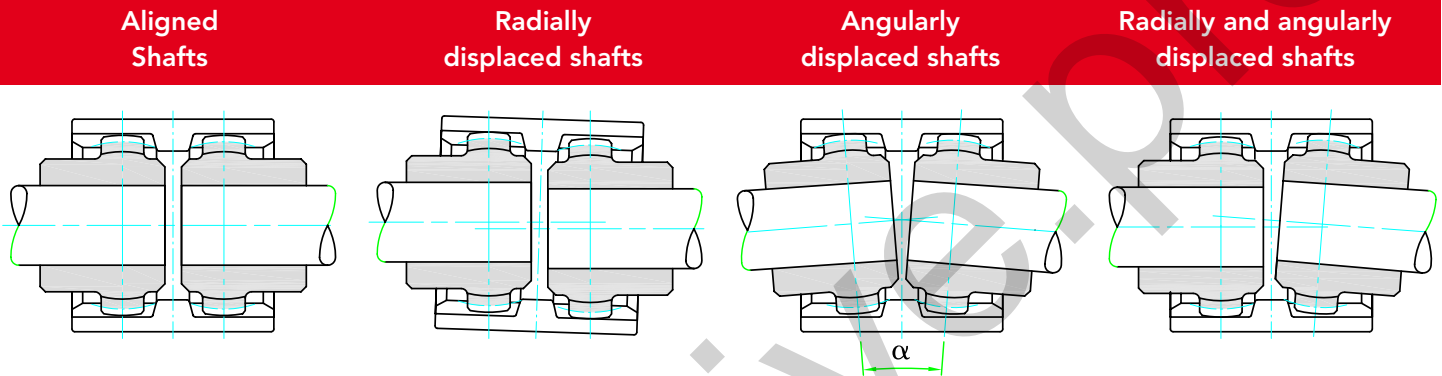


## COUPLING SELECTION

Torque based selection:  
the coupling must be selected so that the max motor torque does not exceed the coupling's per-mitted peak twisting moment.

## ASSEMBLY GUIDELINES

- Position the two semi-couplings on the shafts, taking care that the internal surfaces are in line with the shaft ends.
- Insert the sleeve on the two semi-couplings adjusting their distance (distance "G"), while the two shafts are aligned at the same time.
- Clamp the two parts to be coupled together in position.
- Check that the sleeve is free to move in an axial direction before the coupling is rotated.



## TECHNICAL DATA

COUPLING TYPE	Power factor Kw r.p.m.		Torque Nm		power transmitted in kw at r.p.m.								r.p.m. max	mass kg	J kg cm <sup>2</sup>	Maximum misalignment for each hub		Axial displacement mm
	norm	max	norm	max	750		1000		1500		3000					Angular a	Radial mm	
GF 14	0,0011	0,0023	11,5	23	0,8	1,5	1,1	2,0	1,6	3,0	3,3	6,0	14.000	0,166	0,27	± 2°	0,7	± 1
GF 19	0,0019	0,0037	18,5	36,5	1,3	2,7	1,8	3,7	2,7	5,5	5,4	11,1	12.000	0,276	0,64	± 2°	0,8	± 1
GF 24	0,0023	0,0047	23	46	1,7	3,5	2,3	4,7	3,4	7,0	6,9	14,1	10.000	0,312	0,92	± 2°	0,8	± 1
GF 28	0,0053	0,0106	51,5	103,5	3,9	7,9	5,2	10,6	7,8	15,9	15,6	31,8	8.000	0,779	3,45	± 2°	1,0	± 1
GF 32	0,0071	0,0142	69	138	5,2	10,5	7,0	14,1	10,5	21,1	21,0	42,3	7.100	0,918	5,03	± 2°	1,0	± 1
GF 38	0,0090	0,0181	88	176	6,7	13,5	9,0	18,0	13,5	27,0	27,0	54,0	6.300	1,278	9,59	± 2°	0,9	± 1
GF 42	0,0113	0,0226	110	220	8,4	16,8	11,2	22,5	16,8	33,7	33,6	67,5	6.000	1,473	13,06	± 2°	0,9	± 1
GF 48	0,0158	0,0317	154	308	11,8	23,6	15,8	31,6	23,7	47,4	47,4	94,8	5.600	1,777	18,15	± 2°	0,9	± 1
GF 55	0,029	0,058	285	570	21,7	43,5	29,0	58,0	43,5	87,0	87,0	174,0	4.800	3,380	49,44	± 2°	1,2	± 1
GF 65	0,0432	0,0865	420	840	32,1	64,3	42,9	85,8	64,3	128,7	128,7	257,4	4.000	4,988	106,34	± 2°	1,3	± 1

J inertia moment HUB A+B  
with bore Ø max

CAD drawings available on our site

Quantity, availability and prices





**POLYAMIDE SLEEVE**

INTERPRETATION CODES

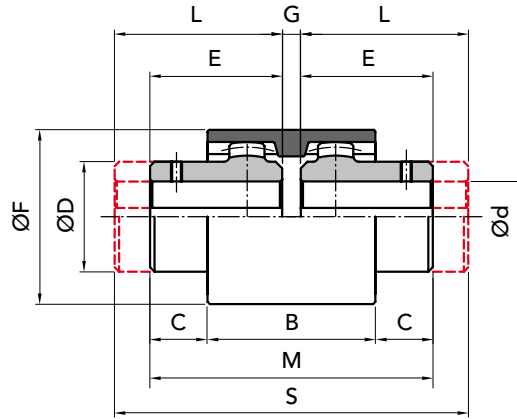
EXAMPLE

**GF 14-NN** with 2 normal hubs

**GF 14-NL** with 1 normal hubs  
and 1 long hub

**GF 14-LL** with 2 long hubs

The characteristic size of the coupling is defined by the maximum diameter bore.



**PART NUMBERS FOR COMPLETE COUPLING**

**PART NUMBERS FOR SIMPLE COMPONENTS**

COUPLING TYPE	P. NUMBER			HUB NORMAL	HUB LONG	Sleeve NYLON
	GF NN	GF NL	GF LL			
GF 14	00101402	00101400	00101404	00101420	00101440	00101410
GF 19	00101902	00101900	00101904	00101920	00101940	00101910
GF 24	00102402	00102400	00102404	00102420	00102440	00102410
GF 28	00102802	00102800	00102804	00102820	00102840	00102810
GF 32	00103202	00103200	00103204	00103220	00103240	00103210
GF 38	00103802	00103800	00103804	00103820	00103840	00103810
GF 42	00104202	00104200	00104204	00104220	00104240	00104210
GF 48	00104802	00104800	00104804	00104820	00104840	00104810
GF 55	00105502	00105500	00105504	00105520	00105540	00105510
GF 65	00106502	00106500	00106504	00106520	00106540	00106510

**MEASUREMENTS - WEIGHTS**

COUPLING TYPE	without bore	Ød available holes with H7 tolerance		measurement in mm										Kg		
		ON REQUEST		for normal range hubs								long hubs series		sleeve	HUB normal	HUB long
		min	max	B	C	ØD	E	ØF	G	M	L	S				
GF 14	-	6	14	38	6,5	25	23,5	41	4	51	30	64	0,022	0,10	0,13	
GF 19	-	8	19	38	8,5	32	25,5	48	4	55	40	84	0,028	0,18	0,28	
GF 24	-	10	24	42	7,5	36	26,5	52	4	57	50	104	0,037	0,23	0,42	
GF 28	-	10	28	48	19	45	41	68	4	86	60	124	0,086	0,54	0,79	
GF 32	-	12	32	48	18	50	40	75	4	84	60	124	0,104	0,66	0,97	
GF 38	-	14	38	50	17	58	40	85	4	84	80	164	0,131	0,93	1,83	
GF 42	-	20	42	50	19	63	42	95	4	88	110	224	0,187	1,10	2,76	
GF 48	-	20	48	50	27	68	50	100	4	104	110	224	0,198	1,50	3,21	
GF 55	-	25	55	65	29,5	82	60	120	4	124	110	224	0,357	2,63	5,12	
GF 65	-	25	65	72	36	95	70	140	4	144	140	284	0,595	4,02	7,90	



**IMPORTANT**

The GF couplings can be ordered complete or for single items.

CAD drawings available on our site

Quantity, availability and prices



"GIFLEX®" SERIES GF with POLYAMIDE SLEEVE

