

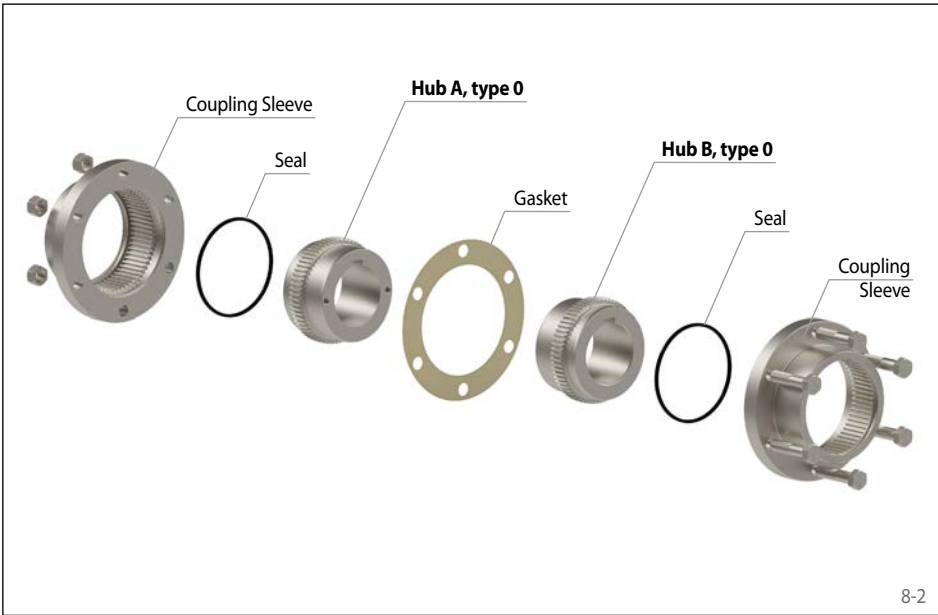
Gear Couplings GFF

double engagement gearing – lubricated
with fully crowned teeth



Features

- High nominal torques up to 1 033 200 inch-lb or 116 750 Nm
- Compensation of axial, radial and angular misalignments
- Angular misalignments up to 1.5° permissible
- Sleeve with extended toothing allows greater axial displacements
- Flange geometry in accordance with ANSI/AGMA – compatible with standard AGMA interfaces
- Interchangeable with standard AGMA couplings of the same size
- High power density
- Typical applications: Roller drives in the steel and paper industry, pumps, conveyor systems, fans and blowers



Custom designs available upon request

- Heat-treated, alloyed or nitrided steels
- Balanced couplings for high speeds
- Other sizes and special versions
- Lubrication ports: NPT (BSP and metric on request)
- Documentation: imperial / metric

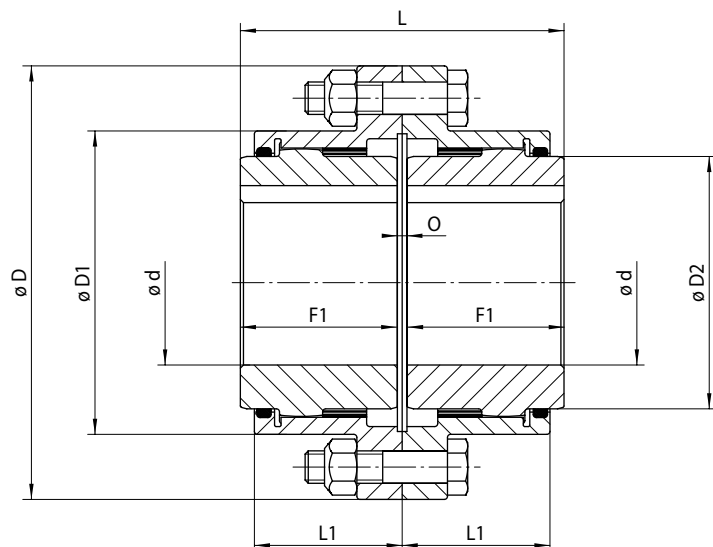
Order example

	Code
Coupling design	GFF
Coupling size	1010
Type	DTO
Material of the hub: • Steel	STA
Hub A, type: • 0, standard	0
Hub A, design: • finish bored with keyway • pilot bored	FB VA
Bore diameter hub A in inch: 3/4" * or bore diameter hub A in mm: 19 mm**	AAM 019
Hub B, type: • 0, standard	0
Hub B, design: • finish bored with keyway • pilot bored	FB VA
Bore diameter hub B in inch: 1" * or bore diameter hub B in mm: 25 mm**	ABA 025

GFF 1010 DTO-STA-0FBAAM-0FBABA

* Bores are made in accordance with AGMA 9002-C14. Please specify the required bore tolerance in accordance with the order code on page 19.
** Metric bores are produced with the standard tolerance H7. Other bore tolerances are available on request.

double engagement gearing – lubricated with fully crowned teeth



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Coupling size	Nominal torque T_{KN}		Nominal power at 100 rpm P_{K100}		Max. speed n_{max} rpm	Moment of inertia (solid hubs) J_K		Permissible misalignments				
	inch-lb	Nm	HP	kW		lb-in ²	kgm ²	Axial		Radial		Angular
								inch	mm	inch	mm	°
1010	9600	1090	15.3	11,4	7000	18.25	0,005	±0.02	±0,5	0.054	1,37	1.5
1015	17000	1920	27	20,1	5400	63.15	0,018	±0.02	±0,5	0.057	1,45	
1020	31500	3560	50	37,3	4800	146.60	0,043	±0.02	±0,5	0.078	1,98	
1025	53500	6000	85	63,4	4300	360.00	0,110	±0.02	±0,5	0.102	2,59	
1030	94500	10600	150	111,8	4000	687.00	0,200	±0.02	±0,5	0.119	3,02	
1035	141500	16000	225	167,8	3600	1488.00	0,440	±0.04	±1,0	0.142	3,61	
1040	218500	24700	347	258,8	3200	2835.00	0,830	±0.04	±1,0	0.163	4,14	
1045	324000	36600	515	384,0	3200	4539.00	1,330	±0.04	±1,0	0.187	4,75	
1050	415500	47000	660	492,2	3200	8529.00	2,500	±0.04	±1,0	0.219	5,56	
1055	551000	62000	875	652,5	2400	13535.00	3,960	±0.04	±1,0	0.245	6,22	
1060	749500	84500	1190	887,0	2200	17957.00	5,250	±0.08	±1,0	0.274	6,96	
1070	1033000	116500	1640	1223,0	1800	35948.00	10,520	±0.08	±2,0	0.314	7,98	

Coupling size	Bore d						D		D1		D2		F1		L		L1		O		Weight varies by bore	
	Pilot		Square key max.*		Reduced key max.*																solid	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs.	kg	
1010	Solid	Solid	1.63	41,40	1.75	44,45	4.56	115,82	3.06	77,72	2.38	60,45	1.69	42,93	3.50	88,90	1.64	41,66	0.13	3,30	20	9
1015	Solid	Solid	2.25	57,15	2.38	60,45	6.00	152,40	3.92	99,57	3.13	79,50	1.94	49,28	4.00	101,60	1.82	46,23	0.13	3,30	35	16
1020	Solid	Solid	2.75	69,85	3.00	76,20	7.00	177,80	4.86	123,44	4.00	101,60	2.44	61,98	5.00	127,00	2.34	59,44	0.13	3,30	71	32
1025	Solid	Solid	3.50	88,90	3.75	95,25	8.37	212,60	5.86	148,84	4.88	123,95	3.03	76,96	6.25	158,75	2.86	72,64	0.19	4,83	123	56
1030	1.44	36,58	4.00	101,60	4.38	111,25	9.44	239,78	6.86	174,24	5.75	146,05	3.59	91,19	7.37	187,20	3.47	88,14	0.19	4,83	192	87
1035	1.44	36,58	4.50	114,30	5.00	127,00	11.00	279,40	7.88	200,15	6.50	165,10	4.19	106,43	8.63	219,20	3.91	99,31	0.25	6,35	302	137
1040	1.44	36,58	5.50	139,70	5.88	149,35	12.50	317,50	9.22	234,19	7.75	196,85	4.75	120,65	9.75	247,65	4.53	115,06	0.25	6,35	437	198
1045	2.00	50,80	6.25	158,75	6.75	171,45	13.63	346,20	10.35	262,89	9.00	228,60	5.31	134,87	10.94	277,88	5.00	127,00	0.31	7,87	615	279
1050	2.69	68,33	6.75	171,45	7.00	177,80	15.31	388,87	11.44	290,58	9.50	241,30	6.03	153,16	12.38	314,45	5.78	146,81	0.31	7,87	816	370
1055	3.00	76,20	7.50	190,50	7.75	196,85	16.75	425,45	12.69	322,33	10.50	266,70	6.62	168,15	13.56	344,42	6.34	161,04	0.31	7,87	970	440
1060	3.50	88,90	8.13	206,50	8.75	222,25	18.00	457,20	13.75	349,25	11.50	292,10	7.41	188,21	15.12	384,05	6.94	176,28	0.31	7,87	1442	654
1070	4.00	101,60	9.63	244,60	10.25	260,35	20.75	527,05	16.00	406,40	13.50	342,90	8.69	220,73	17.75	450,85	7.95	201,93	0.38	9,65	2233	1013

* Maximum bore diameter in accordance with AGMA 9002-C14. For bore tolerance, see order code. Lubrication connections in accordance with the order option (NPT / BSP / metric). Hubs up to and including size 1025 are only supplied with extracting threads on request. The maximum permissible bore diameters may be reduced by extracting threads.