

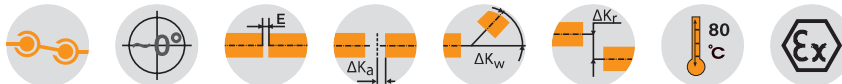
GEARex® FA, FB and FAB

All-steel gear couplings

Coupling in accordance with AGMA 9008-B00, high power density



For legend of pictogram refer to flapper on the cover



Dimensions																
Size	Pilot bore	Max. finish bore	Dimensions [mm]													
		d ₁ , d ₂	I ₁ , I ₂	Hub lengthened max. I ₁ , I ₂ ²⁾	EFA	EFB	EFAB	LFA	LFB	LFAB	L ₃	D	DA ₁	DA ₂	F ¹⁾	d ₃ ¹⁾
10	26	50	43	105	3	21	12	89	107	98	55	67	111	83	74	52
15	26	65	50	115	3	15	9	103	115	109	59	87	142	106	84	68
20	31	82	62	130	3	31	17	127	155	141	79	108	174	129	107	85
25	38	100	76	150	5	29	17	157	181	169	93	130	213	157	126	105
30	44.5	115	90	170	5	33	19	185	213	199	109	153	240	181	148	125
35	46	135	105	185	6	40	23	216	250	233	128	180	280	213	172	150
40	52	160	120	215	6	42	24	246	282	264	144	214	318	249	192	175
45	80	175	135	245	8	50	29	278	320	299	164	233	347	273	216	190
50	80	195	150	295	8	56	32	308	356	332	182	260	390	308	241	220
55	90	215	175	300	8	70	39	358	420	389	214	283	425.5	333	279	250
60	100	240	190	305	8	84	46	388	464	426	236	312	457	364.5	316	265
70	100	285	220	310	10	76	43	450	516	483	263	371	527	424	360	300

Technical data										
Size	Torque [Nm] ³⁾		Max. speed [rpm]	Weight with max. bore [kg]			Mass moment of inertia with max. bore [kgm ²]	Dowel screw (10.9)		
	T _{KN}	T _{KN} (42CrMo4)		Sleeve	Hub	Total		z	M	T _A [Nm]
10	930	1580	8500	0.75	0.55	2.75	0.004	6	M 6	15
15	2000	3300	6400	1.50	1.10	5.60	0.015	8	M 8	36
20	3500	6300	5400	2.40	2.10	9.50	0.037	6	M 10	72
25	6500	11000	4500	4.30	3.60	16.60	0.096	6	M 12	125
30	10000	17400	4000	5.70	6.20	25.00	0.178	8	M 12	125
35	17000	28800	3500	9.50	9.90	40.90	0.410	8	M 14	200
40	28500	48500	3100	11.60	16.00	57.50	0.746	8	M 14	200
45	37000	62000	3000	15.40	21.40	76.40	1.163	10	M 14	200
50	51000	86000	2500	25.30	29.50	113.50	2.229	8	M 18	430
55	65000	110000	2300	31.00	40.20	149.00	3.415	14	M 18	430
60	85000	145000	2100	32.10	52.80	175.70	4.514	14	M 18	430
70	135000	240000	1850	42.50	85.50	265.50	9.212	16	M 20	610

■ = Standard

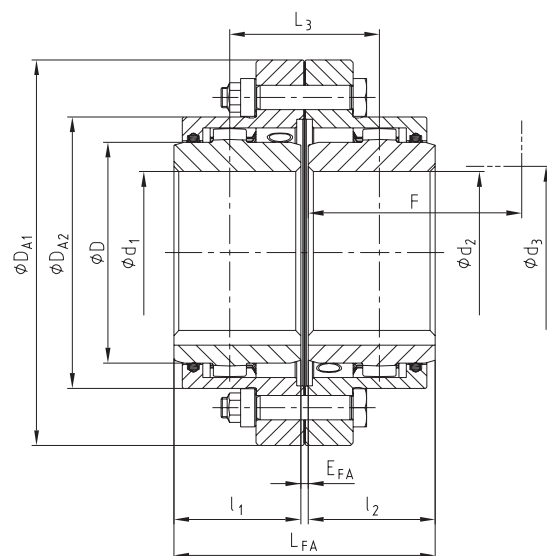
¹⁾ Space required to align the coupling and replace the gasket

²⁾ Lengthened hubs available as a standard for type FA only. For type FB and FAB lengthened hubs are available on request only.

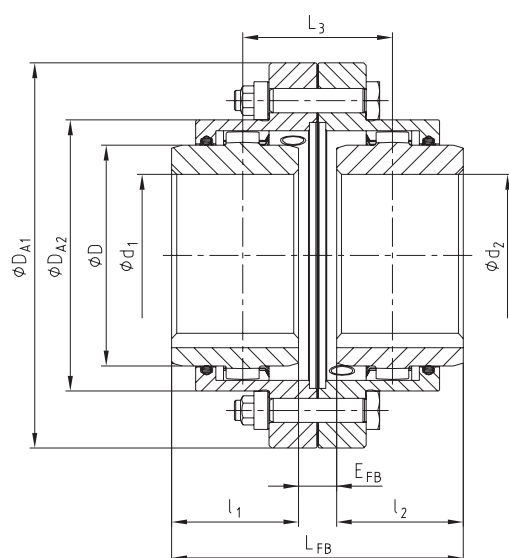
³⁾ Maximum torque of the coupling T_{K max} = rated torque of the coupling T_{KN} x 2. For selection see page 14 et seqq.

Ordering example:	GEARex® FA 10	d ₁ Ø50	d ₂ Ø50
	Type and size of coupling	Finish bore with keyway to DIN 6885 sheet 1	Finish bore with keyway to DIN 6885 sheet 1

Type FA



Type FB



Type FAB

