Acoplamiento de ENGRANAJES

El acoplamiento modular Dodge Gear es modular el diseño del sistema es mitad por mitad intercambiable con acoplamientos de engranajes AGMA competitivos.

Diseñado para mejorar la operación, el Dodge el acoplamiento de engranajes se fabrica con alta calidad acero forjado para una vida útil más larga y características Un alto índice de torque para una reducción eficiente.

Capaces de transmitir hasta 5 340 000 Nm de torque y tienen como diámetro interior hasta 42", dependiendo del tamaño.

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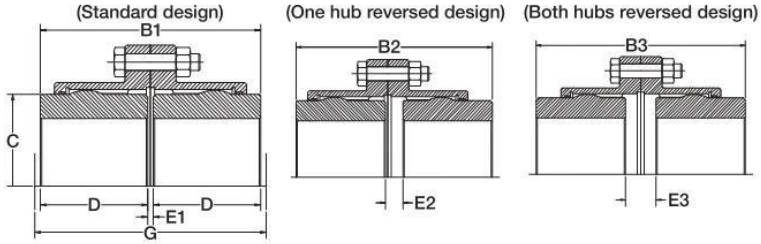
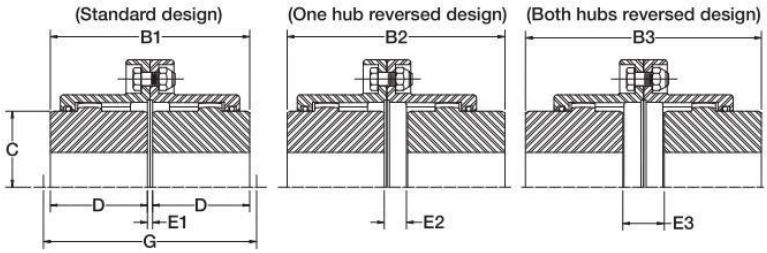
Ratings/dimensions

Dodge® DGF Gear couplings

Exposed bolt design



Shrouded bolt design



Gear couplings

Coupling size	Min. bore (mm)	Max. bore (mm)		kW / 100[1]	Torque[1] (N-m)	Max. RPM[2]	Max. parallel offset[3]	Mass (Kg)[4]	Dimensions (mm)									Inertia[5] (Kg-m²)
		Flex hub	Rigid hub						B1	B2	B3	C	D	E1	E2	E3	G	
DGF 1.0	11	42	56	9	847	6,000	1.4	4	89	97	105	59	43	3	11	19	106	0.006
DGF 1.5	18	56	76	22	2,135	5,500	1.52	9	102	108	114	76	49	3	10	16	121	0.02
DGF 2.0	24	73	95	37	3,559	5,000	2.16	15	127	148	162	102	62	3	21	38	152	0.04
DGF 2.5	37	85	114	67	6,406	4,400	2.67	25	159	179	198	117	77	5	25	44	181	0.1
DGF 3.0	37	107	134	112	10,677	4,000	2.92	39	187	204	221	143	91	22	21	38	206	0.19
DGF 3.5	46	125	150	179	17,095	3,500	3.3	61	219	233	138	165	106	6	21	35	238	0.43
DGF 4.0	62	145	176	261	24,924	3,000	3.81	88	248	265	283	191	121	6	24	41	260	0.8
DGF 4.5	76	165	202	358	34,178	2,700	4.45	122	278	305	332	216	135	8	35	62	292	1.25
DGF 5.0	76	180	230	515	49,137	2,500	5.08	179	314	348	383	241	153	8	42	76	330	2.42
DGF 5.5	101	200	260	679	64,797	2,200	5.59	239	359	397	435	175	175	8	46	84	365	3.74
DGF 6.0	101	225	285	887	84,739	2,100	3.05	312	384	420	456	292	188	8	44	79	432	5.05
DGF 7.0	127	255	320	1,193	113,934	2,000	3.43	461	451	484	518	330	221	10	43	76	508	9.4
DGF 8.0	152	310	375	1,565	149,500	1,900	4.06	708	568	—	—	394	279	10	—	—	625	—
DGF 9.0	177	340	415	2,161	206,400	1,800	4.19	914	597	—	—	432	292	13	—	—	660	—
Made-to-order		1,050	1,200	55,916	5,340,000	Contact Dodge for additional information.												

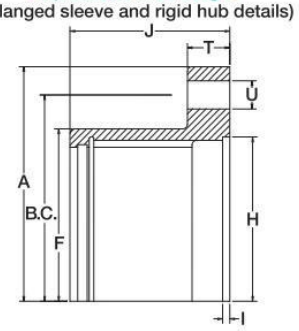
(1) Ratings are based on interference fit
(2) Higher speed capabilities are available by balancing. Contact Dodge engeneering for further details
(3) Based on 1.5° angular misalignment per gear mesh for sizes 1-5.5, 3 / 4° angular angular misalignment per gear mesh for sizes 6 and 7. Flex-Rigid configurations do not accept parallel misalignment
(4) Weight of complete coupling at maximun bore
(5) Inertia based on maximum bores

Flanged sleeve and rigid hub

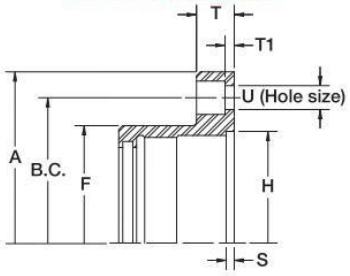
Coupling size	Outside diameter		Flange width	Flange thickness	Hub diameter	Undercut depth	Undercut diameter	Hole diameter	Bolt circle	Number of bolts
	A	J	T	T1	F	I	H	U	B.C.	
	Dimensions (mm)									
1 EB	116	42	14	—	76	2	73	6	86	5
1 SB	116	42	14	13	76	2	73	6	86	6
1.5 EB	152	48	19	—	98	2	94	10	122	8
1.5 SB	152	48	19	13	98	2	94	10	122	8
2 EB	178	60	19	—	122	2	117	13	149	6
2 SB	178	60	19	13	122	2	117	10	148	10
2.5 EB	213	73	24	—	148	2	138	16	181	6
2.5 SB	213	73	24	8	148	2	138	13	178	10
3 EB	240	84	24	—	173	2	164	16	206	8
3 SB	240	84	24	8	173	2	164	13	203	12
3.5 EB	279	97	29	—	199	2	187	19	241	8
3.5 SB	279	97	29	10	199	2	187	16	236	12
4 EB	318	108	29	—	233	5	222	19	279	8
4 SB	318	108	29	10	233	5	222	16	270	14
4.5 EB	346	122	29	—	262	5	248	19	305	10
4.5 SB	346	122	29	10	262	5	248	16	298	14
5 EB	389	140	38	—	291	5	273	22	343	8
5 SB	389	140	38	14	291	5	273	10	335	14
5.5 EB	425	152	38	—	267	5	308	22	368	14
5.5 SB	425	152	38	14	267	5	308	19	367	16
6 EB*	457	170	25	—	354	5	340	22	400	14
7 EB*	527	187	29	—	400	6	371	25	464	16

EB = Exposed bolt pattern
SB = Shrouded bolt pattern
* Sizes 6 - 9 only available in exposed bolt pattern

Exposed bolt design
(Flanged sleeve and rigid hub details)



Shrouded bolt design



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