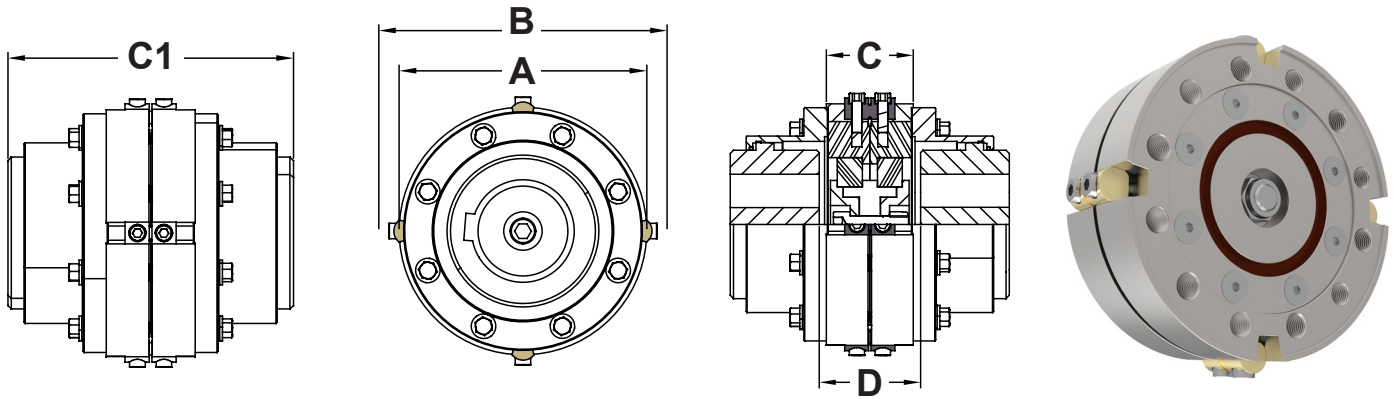


Wedgegard® Gear Type Coupling Manual Reset

DATASHEET Version 4/2020 - in-lb-ft



- Gear Type Wedgegard Couplings can be supplied bored and keyed to customer requirements.
- All Couplings manufactured to AGMA standards.
- Standard Units for release torques up to 280,000 lbs/ft. Torque is adjustable by Wedgepin ratings.
- Designs to suit special drive requirements are available.
- Maximum Speed 1250 RPM.
- For speeds greater than 1250 RPM please consult Howdon's engineering team.
- **Higher Release/Shear Torques may be available.**

Unit		GS10	GS15	GS20	GS25	GS30	GS35	GS40	GS45	GS50	GS55	GS60	GS70
Max Release/Shear (in-lbs)	Brass	30287	73744	85711	102474	202771	237890	268620	–	–	–	–	–
	Steel	41607	101270	117715	140727	278506	326734	368926	872462	991797	1124390	1766140	3385410
Max Release/Shear (ft-lbs)	Brass	2524	6145	7143	8539	16898	19824	22385	–	–	–	–	–
	Steel	3467	8439	9810	11727	23209	27228	30744	72705	82650	93699	147178	282117
Nominal Drive Torque (in-lbs)		9770	19,500	32,100	56,700	96,000	151,000	240,000	315,000	447,000	583,000	756,000	1,166,000
Wedgeslot Quantity		4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	6 x	8 x
Wedgepin Type		W37	W50	W50	W50	W75	W75	W75	W100	W100	W100	W100	W120
Pin Working Radius (PWR)		2.343	3.031	3.524	4.213	4.547	5.335	6.024	6.476	7.362	8.346	8.740	10.039
Max Bore (Gear Coupling Hubs)		1.654	2.244	2.874	3.74	4.331	5	5.906	6.535	7.323	8.11	9.055	10.827
Outside Diameter (A)		4.921	6.299	7.283	8.661	9.843	11.417	12.795	13.976	15.748	17.717	18.504	21.26
Clearance Diameter (B)		5.709	7.48	8.268	9.646	11.417	12.992	14.173	15.354	17.323	19.291	20.079	23.425
Spacer Length (C)		2.126	2.913	2.913	2.913	4.094	4.094	4.094	4.094	4.921	4.921	4.921	4.921
Overall Length (C1)		5.63	6.929	7.913	9.173	11.476	12.736	13.839	15.039	17.283	18.504	20.039	22.677
Shaft Gap (D)		2.26	3.05	3.05	3.11	4.3	4.3	4.3	4.4	5.23	5.23	5.23	5.3
Bolt Fixing Quantity		6 x	8 x	6 x	6 x	8 x	8 x	8 x	10 x	8 x	14 x	14 x	16 x
Bolt Fixing Size (UNF)		1/4"	3/8"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	1"
Flange Bolt P.C.D.		3.75	4.813	5.875	7.125	8.125	9.5	11	12	13.5	14.5	15.75	18.25
Cartridge Weight (lbs) Approx		10	21	28	41	73	99	128	154	233	293	321	438
Incl Gear Coupling (lbs) Approx		19	38.5	58	100	154	231	328	423	622	758	970	1429

*All dimensions in Inches unless otherwise specified

Maximum Release/Shear Torques shown are for RED coded Wedgepins fitted.
Dimensions and specifications may change for improvement without notice.



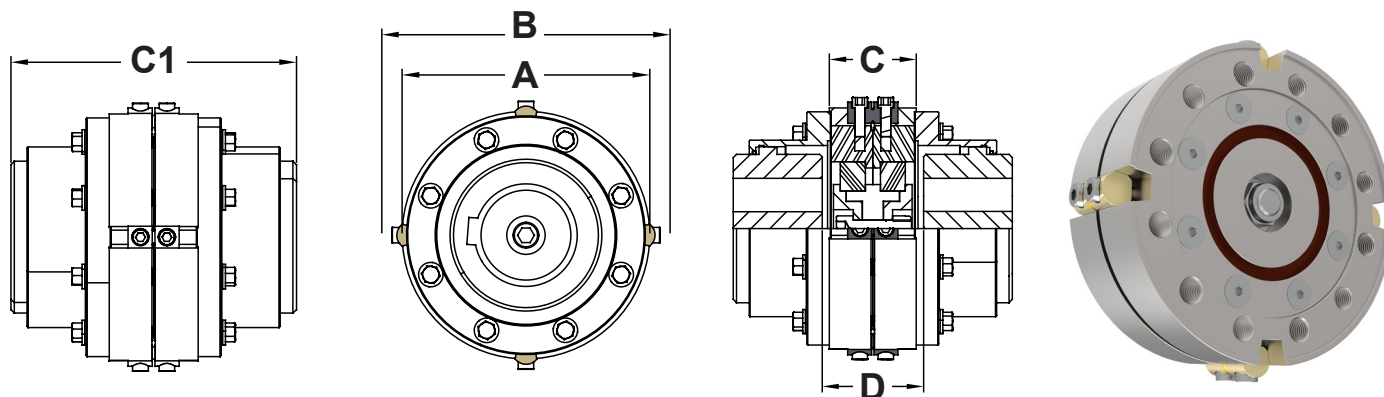
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Wedgegard® Gear Type Coupling Manual Reset

DATASHEET Version 4/2020 - mm-Nm



- Gear Type Wedgegard Couplings can be supplied bored and keyed to customer requirements.
- All Couplings manufactured to AGMA standards.
- Standard Units for release torques up to 286,800 Nm. Torque is adjustable by Wedgepin ratings.
- Designs to suit special drive requirements are available.
- Maximum Speed 1250 RPM.
- For speeds greater than 1250 RPM please consult Howdon's engineering team.
- **Higher Release/Shear Torques may be available.**

Unit		GS10	GS15	GS20	GS25	GS30	GS35	GS40	GS45	GS50	GS55	GS60	GS70
Max Release/Shear (Nm)	Brass	3422	8332	9684	11578	22910	26878	30350	–	–	–	–	–
	Steel	4701	11442	13300	15900	31467	36916	41683	98575	112058	127039	199547	382500
Nominal Drive Torque (Nm)		1100	2200	3600	6400	10850	17000	27100	35600	50500	65800	85400	131700
Wedgeslot Quantity		4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	6 x	8 x
Wedgepin Type		W37	W50	W50	W50	W75	W75	W75	W100	W100	W100	W100	W120
Pin Working Radius (PWR)		59.5	77	89.5	107	115.5	135.5	153	164.5	187	212	222	255
Max Bore (Gear Coupling Hubs)		42	57	73	95	110	127	150	166	186	206	230	275
Outside Diameter (A)		125	160	185	220	250	290	325	355	400	450	470	540
Clearance Diameter (B)		145	190	210	245	290	330	360	390	440	490	510	595
Spacer Length (C)		54	74	74	74	104	104	104	104	125	125	125	137
Overall Length (C1)		143	176	201	233	291.5	323.5	351.5	382	439	470	509	576
Shaft Gap (D)		57.5	77.5	77.5	79	110	110	110	112	133	133	133	147
Bolt Fixing Quantity		6 x	8 x	6 x	6 x	8 x	8 x	8 x	10 x	8 x	14 x	14 x	16 x
Bolt Fixing Size (UNF)		1/4"	3/8"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	1"
Flange Bolt P.C.D.		95.25	122.25	149.225	180.975	206.375	241.3	279.4	304.8	342.9	368.3	400.05	463.55
Cartridge Weight (kg) Approx		4.5	9.5	12.5	18.5	33	45	58	70	106	133	146	199
Incl Gear Coupling (kg) Approx		8.5	17.5	26.5	45.5	70	105	149	192	282	344	440	648

*All dimensions in mm unless otherwise specified

Maximum Release/Shear Torques shown are for RED coded Wedgepins fitted.
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