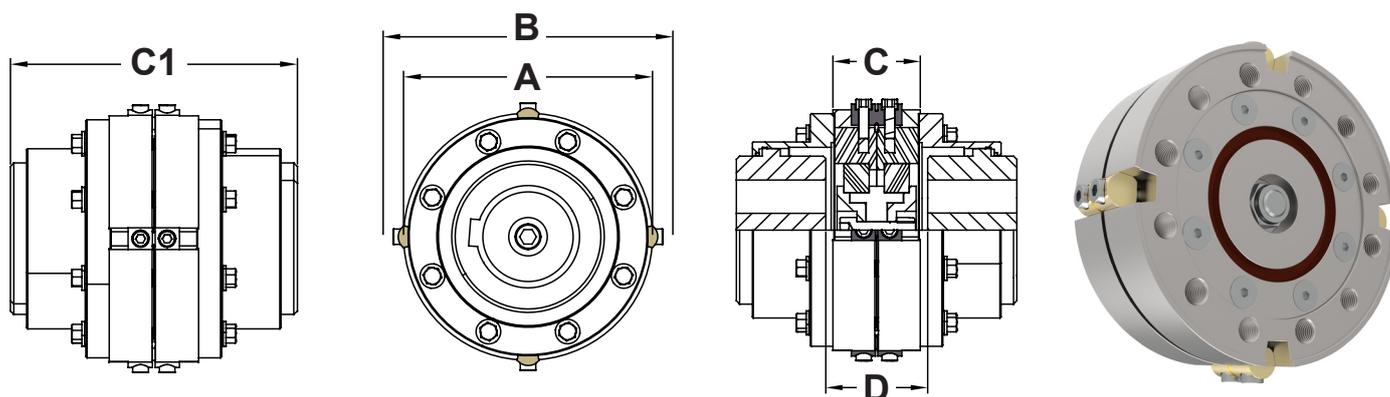


# Wedgegard® Gear Type Coupling Manual Reset

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	30291	73739	85710	102469	202776	237888	268612	-	-	-	-	-
	Steel	41603	101272	117712	140729	278505	326731	368928	872462	991796	1124389	1177426	1692705
Max Release/Shear (ft-lbs)	Brass	2524	6145	7142	8539	16898	19824	22384	-	-	-	-	-
	Steel	3467	8439	9809	11727	23209	27227	30744	72705	82649	93699	98119	141058
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. Inch dimensions are direct conversion from (mm).

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



Can't find the torque limiter you're looking for? Howdon offers a bespoke engineering design service.

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