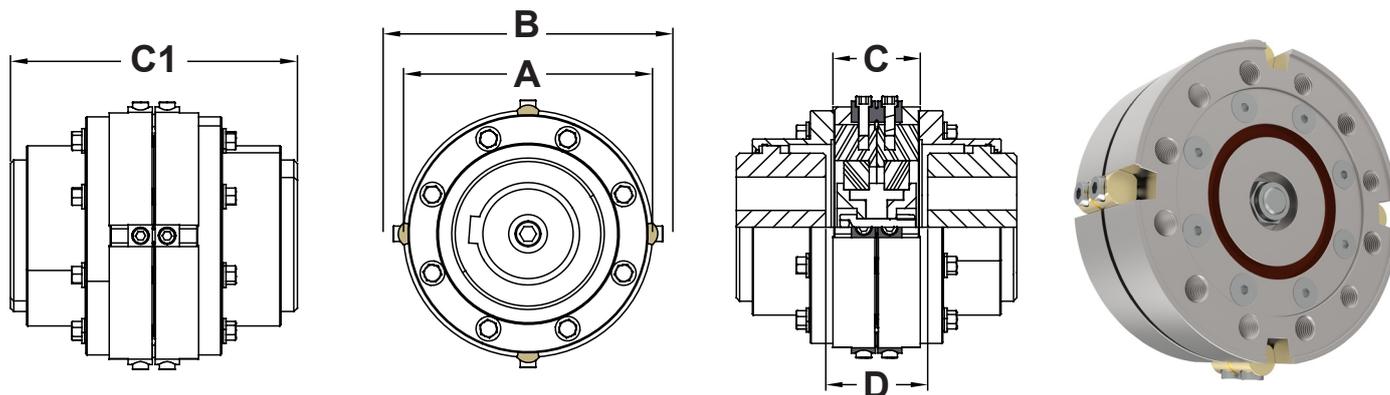


# Wedgear® Gear Type Coupling Manual Reset

DATASHEET Version 4/2020 - mm-Nm



- Gear Type Wedgear 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. 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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