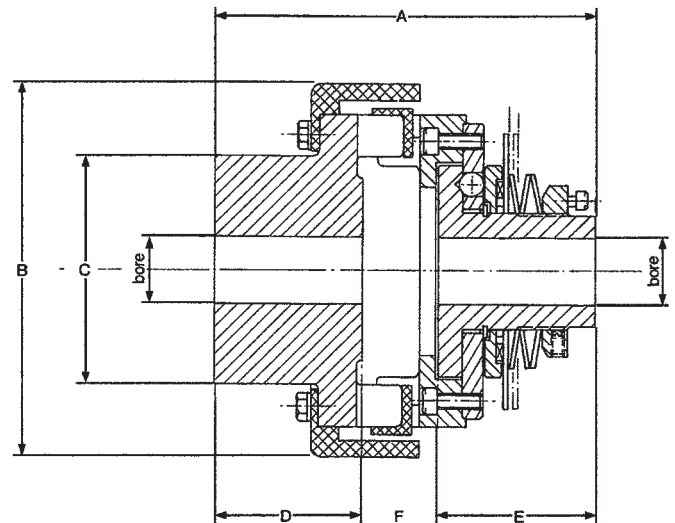


Crossgard Overload Couplings



Crossgard CG-ES Couplings

The ES Couplings consist of two close grained cast iron jaws with hard rubber drive elements interposed. It is a low inertia coupling combining quiet operation with torsional elasticity to absorb shock loads and damp vibration.



Tel: +44 121 360 0155 Fax: +44 121 325 1079 Email: sales@crossmorse.com

CG-ES Crossgard Coupling

Model	Setting Torque Nm	Max Speed RPM	Misalignment		Clutch		Coupling		A	B	C	D	E	F	Weight kg	Inertia kg m ² x10 ³
			Parallel	Angular	Pilot Bore	Max Bore	Pilot Bore	Max Bore								
CG20-ES	9.6 - 45	700	0.5	0.7°	8	20	-	40	118	92	65	45	47	26	2.7	0.38
CG30L-ES CG30H-ES	19.8 - 54 53.6 - 167	500	0.7	0.7°	12	30	-	55	146	143	88	57	60	29	6.3	1.49
CG50L-ES CG50M-ES CG50H-ES	68 - 147 136 - 407 196 - 540	300	0.9	0.6°	22	50	-	75	199	202	120	75	81	43	16.6	9.2
CG70-ES	294 - 1080	160	1.2	0.5°	32	70	-	90	261	257	145	89	110	62	37.6	30.3

Dimensions in mm.

For further dimensions of Crossgard Clutch refer to page 15.

Crossgard Couplings can be supplied with both clutch and coupling hub finish bored, keyseated, with setscrew to customers' requirements on 48-hour re-work service.

Installation of Crossgard CG Clutches

For optimum performance of CG Clutches and couplings it is necessary to have a good fit(transition) between shafts and hubs. Drives should be via a parallel key with interference fit with ideally two set screws to maintain axial position on shaft.

The chain/belt drive should be accurately aligned to avoid axial loading of the clutch; and coupling assemblies should be carefully aligned at installation to minimise operating loads.

All units should be installed with a limit switch or proximity switch to shut down the drive in the event of an overload, refer to page 29 for details standard units available.

Installation of Crossgard Couplings

Prior to installation it is necessary to separate the Crossgard and Coupling half by either removing the duplex chain, or for the ES Coupling removing the outer cover and the rubber element. Fit Crossgard and Coupling half to shafts, for ES Coupling ensure cover is fitted to hub prior to installation. Adjust distance between Crossgard and Coupling according to catalogue dimensions, and align shafts as accurately as possible. Refit duplex chain or rubber element and cover, ensure chain is free to move, and shafts rotate freely.