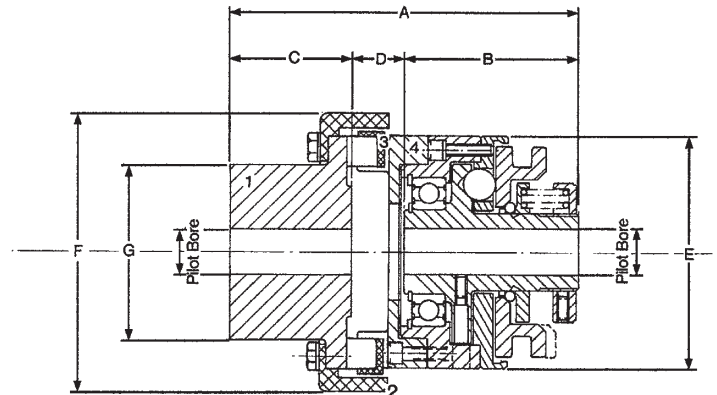


# Type CGZ Crossgard Flexible Couplings



For shaft to shaft connection the CGZ Couplings provides total disengagement in the event of overload. Suitable for mounting on high speed shafts. The coupling consists of two close grain cast iron jaws with hard rubber drive elements interposed. A low inertia coupling which combines quiet operation with torsional elasticity to absorb shock loads and damp vibrations.



1 Coupling Hub  
2 Cover  
3 Rubber Element  
4 Connecting Flange

For Selection of Crossgard CGZ Clutch Couplings refer to page 14.

Model	Setting Torque Range Nm	Max Running Speed x RPM	Colours of Spring x Number	Coupling Model	Max Allowable Misalignment			Weight kg	Inertia kgm <sup>2</sup> (x10 <sup>-2</sup> )
					Parallel mm	Angular	Axial mm		
CGZ20 L-ES	2.4 - 8.3	1800	Yellow x 3	10SF	0.6	0.7°	±1.0	4.87	1.29
CGZ20 M-ES	4.1 - 15.7		Blue x 3						
CGZ20 H-ES	8.2 - 31.4		Blue x 6						
CGZ30 L-ES	6 - 20	1800	Yellow x 4	25SF	0.7	0.7°	±1.0	8.5	3.5
CGZ30 M-ES	20 - 52		Red x 4						
CGZ30 H-ES	39 - 108		Red x 8						
CGZ40 L-ES	26 - 93	1800	Blue x 5	63SF	0.8	0.6°	±1.2	17.5	11.5
CGZ40 M-ES	44 - 127		Red x 5						
CGZ40 H-ES	88 - 245		Red x 10						
CGZ50 L-ES	63 - 157	1800	Red x 5	100SF	0.9	0.6°	±1.2	25.7	26.6
CGZ50 M-ES	128 - 304		Red x 10						
CGZ50 H-ES	245 - 450		Green x 10						

\*Weight and inertia values for couplings with max. bore.

Dimensions in mm

Model	Crossgard		*Coupling	A	B	C	D	E	F	G
	Pilot Bore	Max Bore	Max Bore							
CGZ20-ES	8	20	45	142	73	48	21	96	114	72
CGZ30-ES	12	30	55	167	82	57	28	118	143	88
CGZ40-ES	17	40	70	202	100	67	35	152	181	110
CGZ50-ES	22	50	75	229	112	75	42	178	202	120

For detail dimensions of CGZ Clutch refer to page 20.

\*Couplings halves are stocked unbored and centred.

Stock Couplings can be reworked to customers' bore and keyway requirements on short delivery lead time.

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