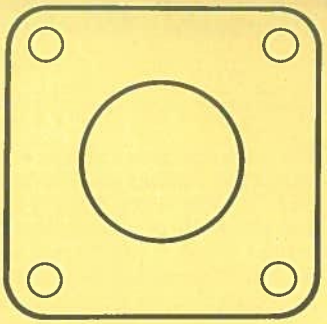
GCS 4 Bolt Range
Standard Couplings with Hubs
0·013 to 0·8 HP/RPM



Couplings in this series are intended for use on slow speed drives up to 4,600 r.p.m. They are the cheapest of the various TURBOFLEX ranges and, in the standard form, are not intended to be balanced, but within the recommended speed range, the degree of imbalance should be found acceptable. Their main application will be found on standard motor drive pumps, fans and a wide variety of slow speed machinery drives. They are robust in design and offer a large degree of misalignment capacity with low axial thrust.

The standard design has fabricated spacers, regardless of length with very long couplings such as those met with in cooling tower fan drives, spacers may be balanced where necessary to ensure smooth running.

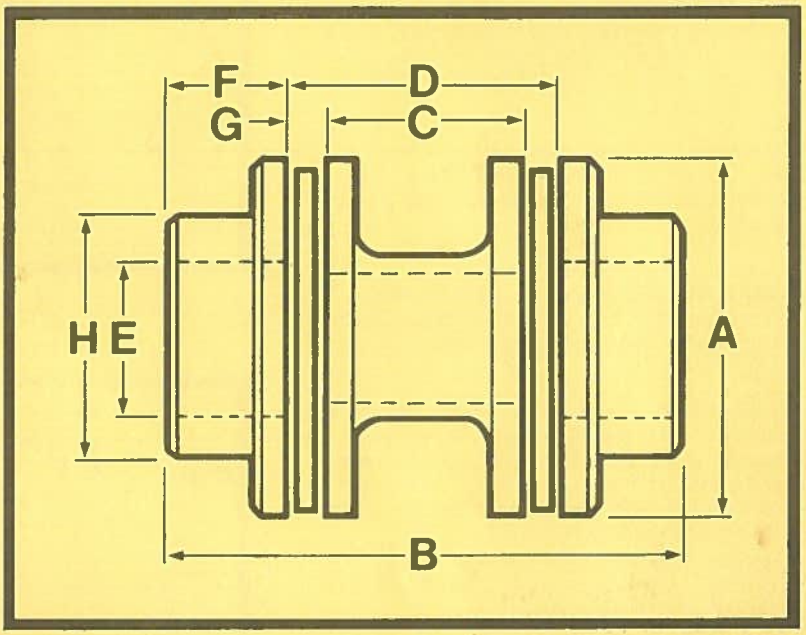
Where specific torsional stiffnesses are required different from those obtained with the standard design, the spacer tube size can be varied to give a wide range of stiffness values.

Although it is not recommended to use non-spacer couplings (i.e. with no spacer or floating shaft) they can be supplied in this form where the customer desires to fit his own intermediate shaft.

The normal materials of construction for the main component is Mild Steel but alternatives such as Stainless Steel can be provided where required.

This series can be modified to provide limited end float, eddy current insulation, adaptors, vertical operation and spark free protection.

Maximum angular misalignment 1° per element
Maximum radial/parallel misalignment 0.017 in/in of element centres.



Dimensions given relate to the standard range and are for design layout only. Hub and spacer lengths can be readily increased to suit requirements.

Size	HP/RPM *KW/RPM*	**Torque** lb in *kg m*	**A** in. *mm*	**B** in. *mm*	**C** in. *mm*	**D** MIN.	**D** in. *mm*	**E max** in. *mm*	**F** in. *mm*	**G** in. *mm*	**H** in. *mm*
13-4	0·013 *0·010*	819 *9·4*	3·19 *81*	5·18 *132*	1·68 *42·7*	50	2·18 *55·4*	1·24 *31·5*	1·50 *38*	0·250 *6·35*	1·8 *46*
26-4	0·026 *0·019*	1638 *18·8*	3·65 *93*	5·97 *152*	2·00 *50·8*	62	2·65 *67·3*	1·38 *35·0*	1·66 *42*	0·324 *8·23*	2·0 *51*
36-4	0·036 *0·027*	2268 *26*	4·08 *104*	6·92 *178*	2·25 *57·2*	68	2·94 *74·7*	1·66 *42·0*	1·99 *51*	0·344 *8·74*	2·4 *61*
80-4	0·080 *0·060*	5040 *58*	4·95 *126*	7·81 *198*	2·25 *57·2*	78·5	3·17 *80·5*	1·93 *49·0*	2·32 *59*	0·460 *11·68*	2·8 *71*
125-4	0·125 *0·093*	7875 *91*	5·63 *143*	9·63 *245*	3·25 *82·6*	90	4·15 *105·4*	2·28 *58·0*	2·74 *70*	0·450 *11·43*	3·3 *84*
160-4	0·160 *0·119*	10080 *116*	6·63 *168*	11·26 *286*	3·25 *82·6*	95	4·32 *109·7*	2·90 *73·5*	3·47 *88*	0·535 *13·59*	4·2 *107*
255-4	0·255 *0·190*	16065 *185*	7·64 *194*	13·24 *388*	4·25 *108*	112	5·49 *139·5*	3·24 *82·5*	3·90 *99*	0·619 *15·72*	4·7 *119*
345-4	0·345 *0·257*	21735 *250*	8·43 *214*	14·82 *376*	5·25 *133*	114	6·50 *165·1*	3·72 *94·5*	4·46 *113*	0·625 *15·88*	5·4 *137*
560-4	0·560 *0·418*	35280 *406*	9·69 *246*	17·03 *433*	5·25 *133*	126	6·75 *171·5*	4·28 *109*	5·14 *131*	0·749 *19·02*	6·2 *157*
800-4	0·800 *0·600*	50400 *580*	10·85 *276*	19·45 *494*	6·25 *159*		8·37 *212·6*	4·62 *117*	5·54 *140*	1·060 *26·92*	6·7 *170*