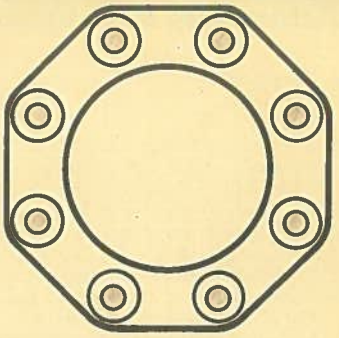
HBS 8 Bolt Range
Standard Couplings with Hubs
0·54 to 28 HP/RPM



Couplings in this range have a good power/weight ratio with a permissible misalignment capability adequate for the majority of applications. They are used extensively for Turbine, Boiler-Feed-Pump, Axial and Centrifugal Compressor and similar drives. Design changes can be made to provide a wide range of torsional stiffness to suit particular applications and, in certain instances, reduction in weight is possible. In slow speed applications, spacers can be fabricated to reduce cost. Alternative materials are available where necessary for weight reduction or environmental conditions.

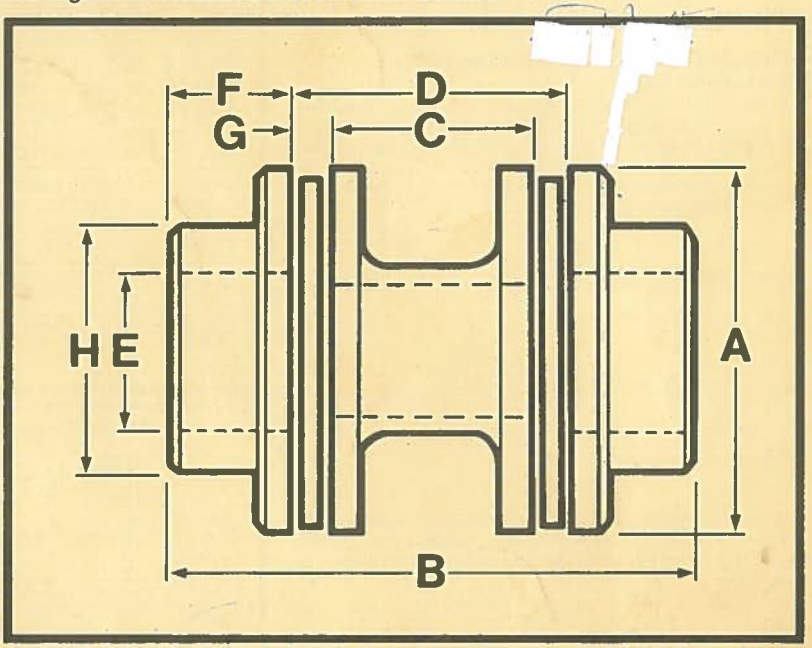
For couplings with greater flexibility refer to 4 or 6 bolt ranges. Where less flexibility is required, refer to 10 or 12 bolt ranges to save weight and, in some cases, cost.

Where shaft sizes are larger than can be accommodated in Standard hubs shown, refer to coupling range with adaptors.

Larger sizes in this range are available up to 86 HP/RPM with blade laminations or 157 HP/RPM with links. Larger powers can be accommodated.

As with all the other ranges of Turboflex couplings, these can be modified to provide limited end-float, eddy current insulation and continuous torque measurement etc.

Maximum angular misalignment 0.5° per element. Maximum Radial/Parallel misalignment 0.0085 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. Dimension E_1 is maximum bore with enlarged boss H_1

Size	HP/RPM KW/RPM	Torque lb.in. kg.m.	A in. mm.	B in. mm.	C in. mm.	D in. mm.	E in. mm.	E1 in. mm.	F in. mm.	G in. mm.	H in. mm.	H1 in. mm.
540·8	0·54 0·40	34020 392	8·43 214	13·11 333	3·64 92·5	4·6 116·8	3·75 95	4·10 104	4·25 108	0·480 12·192	5·40 137	5·91 150
1000·8	1·00 0·75	63000 726	9·69 246	14·58 370	3·92 99·6	5·0 127·0	4·25 108	4·63 118	4·75 121	0·540 13·716	6·15 156	6·73 171
1500·8	1·50 1·12	94500 1089	10·85 276	16·00 406	4·63 117·6	6·0 152·4	4·38 111	5·10 130	5·00 127	0·685 17·400	6·35 ~~161~~ 165	7·35 187
2000·8	2·00 1·50	126000 1452	10·85 276	16·00 406	4·51 114·6	6·0 152·4	4·38 111	5·10 130	5·00 127	0·745 18·923	6·35 ~~161~~ 165	7·35 187
2500·8	2·50 1·86	157500 1815	12·13 308	18·25 464	5·26 133·6	6·75 171·5	5·25 133	5·82 148	5·75 146	0·745 18·923	7·60 193	8·42 214
3600·8	3·60 2·70	226800 2613	13·63 346	20·50 521	5·80 147·3	7·5 190·5	6·00 152	6·52 166	6·50 165	0·850 21·59	8·60 218	9·45 240
5300·8	5·30 3·95	333900 3847	14·76 375	22·25 565	6·87 174·5	8·75 222·3	6·50 165	7·08 180	6·75 171	0·940 23·876	9·45 240	10·27 261
7000·8	7·00 5·20	441000 5081	16·15 410	25·00 635	7·81 198·4	10·0 254	7·00 178	7·63 194	7·50 191	1·095 27·813	10·15 258	11·08 281
9200·8	9·20 6·90	579600 6678	17·50 445	26·65 677	8·29 210·6	10·6 269·2	7·38 187	8·10 206	8·00 203	1·155 29·337	10·70 272	11·70 297
11000·8	11·00 8·20	693000 7984	18·50 470	28·75 730	8·24 209·3	10·7 271·8	8·10 206	8·75 222	9·00 229	1·230 31·242	11·70 297	12·70 323
13000·8	13·00 9·70	819000 9436	20·10 511	31·30 795	8·84 224·5	11·3 287·0	9·10 231	9·80 249	10·00 254	1·230 31·242	13·15 334	14·20 361
15300·8	15·30 11·40	963900 11165	21·90 556	32·50 826	9·04 229·6	11·5 292·1	10·00 254	10·62 270	10·50 267	1·230 31·245	14·36 364	15·40 391
18500·8	18·50 13·80	1165500 13428	23·10 587	34·25 870	9·65 245	12·2 309·9	10·38 264	11·25 286	11·00 279	1·275 32·385	15·05 382	16·33 415
24000·8	24·00 17·90	1512000 17420	24·75 629	36·50 927	10·74 272·8	13·5 342·9	10·85 276	11·75 298	11·50 292	1·380 35·052	15·70 399	17·00 432
28000·8	28·00 20·90	1764000 20323	25·75 654	38·00 965	11·18 284	14·0 355·6	11·38 289	12·38 314	12·00 305	1·410 35·814	16·50 419	17·95 456