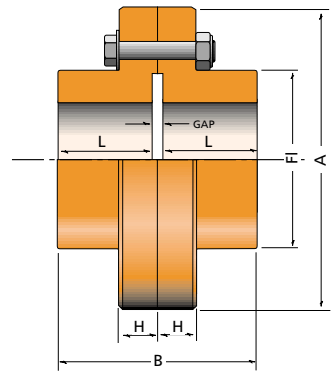
Type FR • Sizes 10 - 70

A full rigid coupling for horizontal and vertical shafts



The standard designs of FR couplings are fully rigid and allow for no misalignment of any kind.

Size	Coupling Rating kW/rpm	Coupling Rating kNm	Max Speed rpm ①	Bore Dia mm ② Max	Bore Dia mm ② Min	Dimensions in mm ③ A	B	Fl	H	L	GAP	⑤ Mass kg	⑤ MR² Inertia kgm²
10	0.125	1.2	8000	60	16	116	84	84	14	40	5	4.56	0.006
15	0.261	2.5	6500	80	24	152	98	107	19	47	5	9.43	0.022
20	0.521	5.0	5600	90	28	178	122	130	19	59	5	15.69	0.047
25	0.907	8.7	5000	110	35	213	152	157	22	74	5	28.00	0.118
30	1.344	12.9	4400	130	42	240	181	182	22	88	5	42.47	0.224
35	2.022	19.4	3900	150	50	279	209	212	29	102	5	68.51	0.50
40	3.179	30.5	3600	180	50	318	239	250	29	116	8	103.15	0.98
45	4.356	41.8	3200	200	55	346	269	276	29	131	8	138.25	1.55
50	5.940	57.0	2900	220	75	389	305	309	38	148	10	203.42	2.93
55	8.441	81.0	2650	240	75	425	356	334	38	173	10	274.46	4.58
60	9.900	95.0	2450	260	80	457	386	366	26	187	13	332.58	6.20
70	15.310	147.0	2150	300	100	527	457	425	29	220	17	526.50	13.10

① ***To attain the maximum speeds specified a separate balance operation may be necessary depending on the requirements. Special couplings can be supplied for higher speeds or more sensitive applications.***

② ***Maximum bores specified are for uniformly loaded drives only. See table 4 on page 3 for factors to apply when other than uniform loads are applied.***

③ ***All dimensions are subject to confirmation. General arrangement drawings are available which show certified dimensions.***

④ ***Puller holes can be supplied.***

⑤ ***Mass and Inertia are based on solid hubs. All Inertia figures are MR². Multiply this figure by 4 to obtain GD².***