SELECTION GUIDE & RATING CHART

RATING CHART

SERIES	SIZE COUPLING	NOMINAL TORQUE (in-lbs.)	MAX. BORE	BUSHINGS PER HUB	HUB OD	HP @	HP @	HP @ 3600 RPM
1	FC-1-200	67,769	2.000"	6	5.250"	1,291	1,936	3,873
	FC-1-300	155,666	3.000"	10	6.750"	2,965	4,448	8,895
	FC-1-400	230,241	4.000"	12	8.000"	4,386	6,578	13,157
	FC-1-500	446,003	5.000"	16	11.000"	8,495	12,743	25,486
2	FC-2-400	547,344	4.000"	10	10.000"	10,426	15,638	31,277
	FC-2-500	737,108	5.000"	12	11.000"	14,040	21,060	42,120
	FC-2-600	953,636	6.000"	14	12.000"	18,164	27,247	54,493
	FC-2-700	1,303,990	7.000"	16	14.000"	24,838	37,257	74,514
3	FC-3-600	1,737,693	6.000"	12	15.000"	33,099	49,648	99,297
	FC-3-700	2,189,494	7.000"	14	16.000"	41,705	62,557	125,114
	FC-3-800	2,872,987	8.000"	16	18.000"	54,724	82,085	164,171
	FC-3-900	3,649,156	9.000"	18	20.000"	69,508	104,262	208,523
	FC-3-1000	4,518,003	10.000"	20	22.000"	86,057	129,086	258,172
4	FC-4-800	3,323,104	8.000"	12	20.000"	63,297	94,946	189,892
	FC-4-900	4,344,057	9.000"	14	22.000"	82,744	124,116	248,232
	FC-4-1000	5,498,469	10.000"	16	24.000"	104,733	157,099	314,198
	FC-4-1100	6,786,339	11.000"	18	26.000"	129,264	193,895	387,791
5	FC-5-1000	4,931,770	10.000"	12	22.000"	93,938	140,908	281,815
	FC-5-1100	6,675,600	11.000"	14	24.000"	127,154	190,731	381,463
	FC-5-1300	7,025,275	13.000"	14	26.000"	133,815	200,722	401,444
	FC-5-1400	8,755,481	14.000"	16	28.000"	166,771	250,157	500,313
	FC-5-1600	11,076,047	16.000"	18	31.000"	210,972	316,458	632,917
	FC-5-1700	13,214,964	17.000"	20	33.000"	251,714	377,570	755,141

NOTE: Due to the high power density of Frontline Couplings, in most cases you can select the right coupling, based solely on max. shaft diameter of your application. Always consult Frontline if you are unsure about your choice.

SELECTION GUIDE

1. Determine the nominal torque (Tn) in "in-lb" as follows:

NOMINAL TORQUE = (HP x 63025) / RPM

- 2. Refer to "Service Factors" chart on the previous page and select the appropriate service factor for your application.
- 3. Calculate the "Design Torque" as follows:

DESIGN TORQUE = NOMINAL TORQUE x SERVICE FACTOR

- Using the "Coupling Rating Chart," compare the calculated Design Torque with the Nominal Torque column, locate the nearest higher rating and find the corresponding coupling size to the left.
- 5. Compare the driver/driven shaft size to the maximum bore available for the coupling selected. If it is smaller than the driver/driven shaft sizes, then go further down the "max.bore" column to select the coupling that can accommodate these shaft sizes.

Although the performance and useful life of Frontline Couplings are greatly enhanced by their unique features and advantages, there is no substitute for:

- 1. Accurately sizing the Coupling for the specific application.
- 2. Proper installation and setting.
- 3. Precision shaft alignment.
- 4. Taking into consideration the proper service factor.
- 5. Allowing for environmental conditions such as extreme temperature, excessive dust and humidity.
- 6. Periodic Inspections.