

FRONTLINE

COUPLINGS

SELECTION GUIDE

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

$$\text{NOMINAL TORQUE} = (\text{HP} \times 63025) / \text{RPM}$$

2. Select the appropriate “Service Factor” for your application.

3. Calculate the “Design Torque” as follows:

$$\text{DESIGN TORQUE} = \text{NOMINAL TORQUE} \times \text{SERVICE FACTOR}$$

4. Using the “Coupling Rating Chart” given below, in the Design 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.

RATING CHART

SERIES	COUPLING SIZE	NOMINAL TORQUE (IN-LB)	MAX. BORE	BUSHINGS PER HUB	HUB OD	HP @ 1200 RPM	HP @ 1800 RPM	HP @ 3600 RPM
1	FL-A1	17,632	1.375"	3	4.500"	335	503	1,007
	FL-B1	43,661	2.000"	6	5.250"	831	1246	2,493
	FL-C1	69,037	2.500"	8	6.000"	1,314	1,971	3,943
	FL-D1	100,290	3.000"	10	6.750"	1,909	2,864	5,728
	FL-E1	137,141	3.750"	12	7.500"	2,611	3,916	7,833
2	FL-F2	139,681	2.375"	6	7.000"	2,659	3,989	7,978
	FL-G2	222,195	3.000"	8	8.000"	4,230	6,345	12,691
	FL-H2	258,149	3.750"	8	9.000"	4,915	7,372	14,745
	FL-I2	367,629	4.375"	10	10.000"	6,999	10,499	20,999
	FL-J2	495,086	5.000"	12	11.000"	9,426	14,193	28,279
3	FL-K3	557,566	4.000"	8	11.000"	10,616	15,924	31,848
	FL-L3	860,947	5.000"	10	13.000"	16,392	24,588	49,177
	FL-M3	1,131,531	6.000"	12	14.000"	21,544	32,316	64,633
	FL-N3	1,549,705	7.000"	14	16.000"	29,506	44,259	88,519
	FL-O3	1,664,498	8.000"	14	17.000"	31,692	47,538	95,076
4	FL-P4	783,901	5.000"	6	13.000"	14,925	22,388	44,776
	FL-Q4	1,151,259	6.000"	8	14.000"	21,920	32,880	65,760
	FL-R4	1,704,219	7.000"	10	16.000"	32,448	48,672	97,345
	FL-S4	1,836,791	8.000"	10	17.000"	34,972	52,458	104,917
	FL-T4	2,363,237	9.000"	12	18.000"	44,996	67,494	134,988
	FL-U4	2,942,628	10.000"	14	19.000"	56,027	84,041	168,083
	FL-V4	3,787,331	11.000"	16	21.000"	72,111	108,166	216,333
	FL-Z4	4,738,008	12.000"	18	23.000"	90,211	135,317	270,635