



Capacity

The following tables show the operating range in Torque and H. P. per 100 R. P. M. for various sizes of Fawick Clutches at various loadings, which are within practical limits. The ultimate capacity with modern moulded asbestos compound facings, as used in the Fawick Clutch, is above 80# per square inch.

All average service, such as in Farm Tractors, Industrial Power Units, or the like, where a proper proportion between size, cost and effective life is desired, a loading of 7 to 8 pounds has been found to be satisfactory practice.

We have shown the Torque and H. P. at 7½# in red in the table below, and these figures may be taken as normal capacity for each of the different size clutches.

There are some classes of severe service, however, that may require loadings as low as 5# per square inch, and then again it is quite possible to have satisfactory performance in intermittent service with loadings up to 10#.

Selecting the proper clutch for any particular service is very largely a matter of experience. The resources of our Engineering

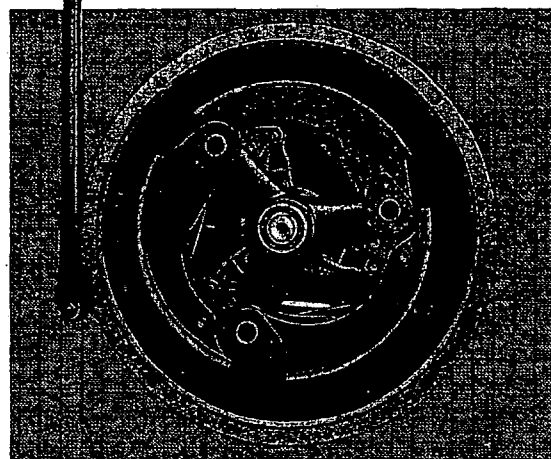


Fig. 5 Front view of 12" clutch in No. 3 housing.

Department with years of experience in making clutch recommendations are at your disposal.

See data sheets for detailed information on size and mounting dimensions of each clutch and power take-off.

Capacity of Fawick Industrial Clutches

Torque, in pound inches. Horsepower per 100 R. P. M.

Tan. Load	10x2¾ Clutch		12x2¾ Clutch		14x3¼ Clutch		16x3½ Clutch		20x5" Clutch		28x7" Clutch	
	Torque	H.P.	Torque	H.P.	Torque	H.P.	Torque	H.P.	Torque	H.P.	Torque	H.P.
5#	1800	2.86	2593	4.11	4169	6.61	5864	9.30	13090	20.77	35228	55.88
5½	1981	3.14	2852	4.53	4586	7.28	6451	10.23	14399	22.84	38751	61.47
6	2161	3.43	3111	4.94	5003	7.94	7037	11.16	15708	24.92	42274	67.06
6½	2341	3.71	3370	5.35	5420	8.60	7624	12.09	17017	27.00	45796	72.64
7	2521	4.00	3630	5.76	5837	9.26	8210	13.02	18326	29.08	49317	78.23
7½	2701	4.28	3889	6.17	6254	9.92	8796	13.95	19635	31.16	52840	83.82
8	2881	4.57	4148	6.58	6671	10.58	9383	14.88	20944	33.23	56363	89.41
8½	3061	4.85	4408	6.99	7088	11.25	9969	15.81	22253	35.31	59886	95.00
9	3241	5.15	4667	7.40	7505	11.91	10556	16.74	23562	37.39	63408	100.58
9½	3421	5.43	4926	7.82	7922	12.57	11142	17.67	24871	39.46	66931	106.17
10	3601	5.72	5186	8.22	8339	13.23	11729	18.60	26180	41.54	70454	111.76

The Fawick Industrial Clutch comes in six standard sizes, each with capacities equal to any normal duty:

10 x 2¾—12 x 2¾—14 x 3¼
16 x 3½—20 x 5 —28 x 7

Special clutches of the same general type may be built to your specifications.

In the Fawick Industrial Clutch, you will find a unit that performs its functions more smoothly and effectively than has heretofore been possible.

It is not just another clutch, but due to its practical features marks a distinct advance in efficient clutch construction.