

Selected SAE Standards (Continued)

TABLE 1 — INDUSTRIAL POWER TAKE-OFF FOR OVERCENTER CLUTCHES

B1	B	Cb	D	E	F +0.0000 -0.0010	G	H	J	N	O	T	SAE No., Flywheel Housing								
												6	5	4	3	2	1	1/2	0	00
1	6-1/2	2.81	5.56	3.50	1.4375															
1	7-1/2	2.81	5.56	3.50	1.4375	3/8 x 3/16	0.88	4.50	0.591	2.0472	0.06	*	*	*d						
1	8	3.94	7.06	6.00	1.7500	3/8 x 3/16	0.88	4.50	0.591	2.0472	0.06	*	*	*d						
1	10	3.94	8.62	5.50	2.2500	1/2 x 1/4	2.31	5.00	0.669	2.4409	0.06	*	*	*d						
						5/8 x 5/16	3.75	5.75	1.188	2.8346	0.06	*	*	*d						
1	11-1/2	3.94	9.25	6.50	2.2500	5/8 x 5/16	3.75	5.75	1.188	2.8346	0.06	*	*	*d						
2	11-1/2	3.94	9.62	6.50	2.5000	5/8 x 5/16	3.00	6.00	1.188	2.8346	0.06	*	*	*d						
1	14	3.94	12.12	8.50	3.0000	3/4 x 3/8	3.75	6.62	1.375	3.1496	0.12	*	*	*d						
2	14	3.94	13.75	10.00	3.5000	7/8 x 7/16	2.86	7.56	1.375	3.1496	0.12	*	*	*d						
3	14	3.94	14.50	10.00	3.9375	1 x 1/2	2.86	7.56	1.562	3.9370	0.12	*	*	*d						
2	16	3.94	14.75	10.00	3.9375	1 x 1/2	2.88	7.56	1.562	3.9370	0.12	*	*	*d						
3	16	3.94	16.69	10.00	3.9375	1 x 1/2	2.88	7.56	1.562	3.9370	0.12	*	*	*d						
4	18	3.94	14.75	10.00	3.9375	1 x 1/2	2.88	7.56	1.562	3.9370	0.12	*	*	*d						
2	18	3.94	16.69	10.00	3.9375	1 x 1/2	2.86	7.56	1.562	3.9370	0.12	*	*	*d						
3	18	3.94	18.25	10.00	4.5000	1 x 1/2	1.86	10.00	1.936	4.7244	0.12	*	*	*d						
1	21	3.94	16.50	10.00	4.5000	1 x 1/2	2.88	9.50	2.125	5.1181	0.12	*	*	*d						
2	21	3.94	18.00	10.00	4.7500	1-1/4 x 5/8	3.12	10.00	2.125	5.1181	0.12	*	*	*d						
3	21	3.94	19.88	10.00	4.7500	1-1/4 x 5/8	2.75	11.00	2.125	5.1181	0.12	*	*	*d						
1	24	3.94	19.75	10.00	4.5000	1 x 1/2	2.88	9.50	1.936	4.7244	0.12	*	*	*d						
2	24	3.94c	20.31	10.00	4.7500	1-1/4 x 5/8	3.12	10.00	2.125	5.1181	0.12	*	*	*d						

a) A, pilot dia + 0.000 or - 0.005. Maximum eccentricity 0.0025 (indicated runout 0.005).

Maximum variation of face from its true position, when rotated about its axis shall be 0.0025 (indicated runout 0.005). See drawing.

b) C is from face of flywheel housing to bottom of bearing bore.

c) 5.25 optional — this will decrease dimension D 1.31 in.

d) Requires a flywheel housing and flywheel to provide a 2.81 E dimension per SAE J617.

e) Requires a flywheel housing and flywheel to provide a 3.94 E dimension per SAE J617.

HYDRAULIC POWER PUMPS — SAE J744c

SAE Standard

Report of Construction and Industrial Machinery Technical Committee approved January 1952 and last revised June 1970.

This SAE Standard has been developed by the Subcommittee IV of the Construction and Industrial Machinery Technical Committee and is intended primarily for power pumps and motors on construction and industry machinery equipment.

The purpose is to match mounting flanges and shafts that are com-

patible with pump horsepower input and motor horsepower output.

The hydraulic power pump and motor flange and shaft designs are illustrated in Fig. 1, with the design dimensions for each design tabulated in Table 1.

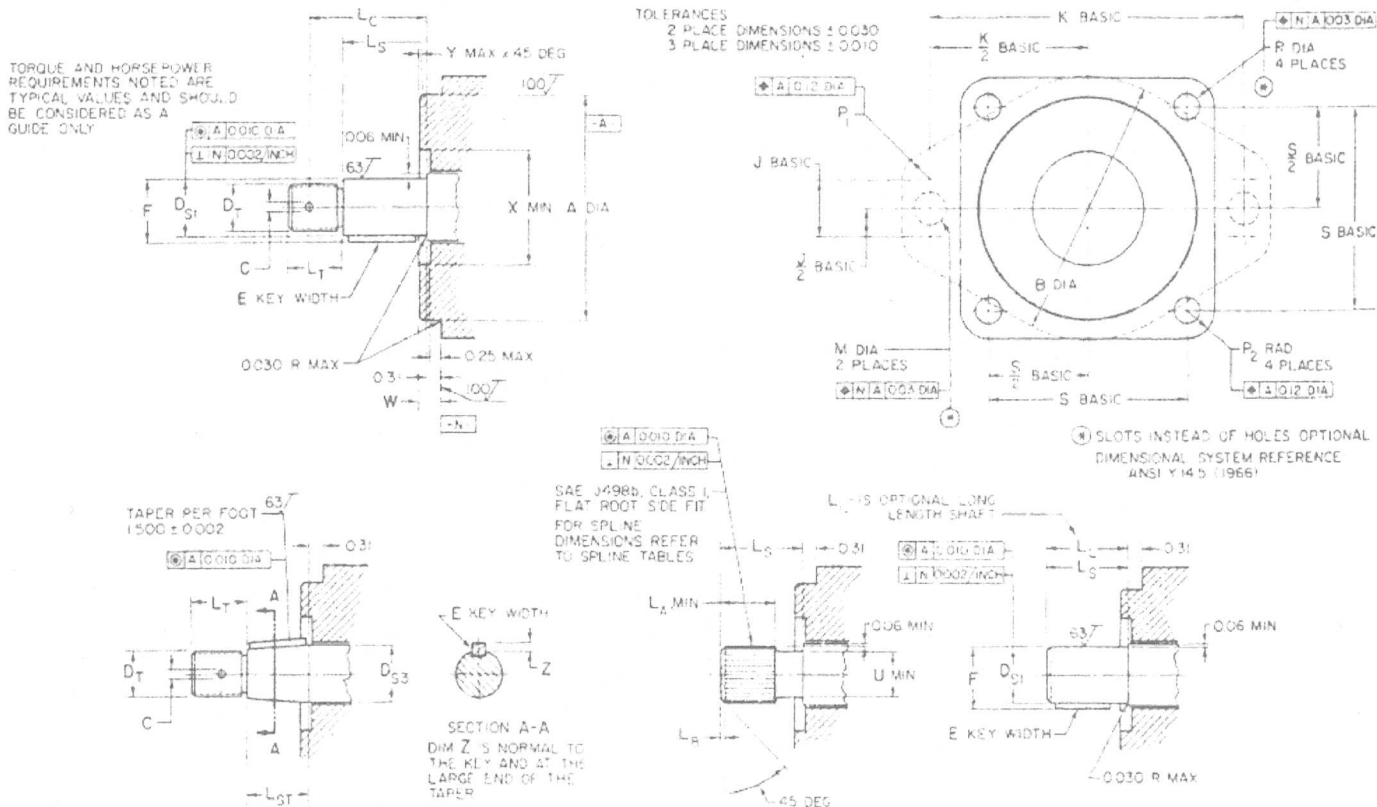


FIG. 1—HYDRAULIC POWER PUMP AND MOTOR MOUNTING FLANGE AND SHAFT