



A Product of the
Cooperative Engineering Program

SAE J373 AUG87

**Housing Internal
Dimensions for
Single and Two Plate
Spring Loaded
Clutches**

SAE Recommended Practice
Reaffirmed August 1987

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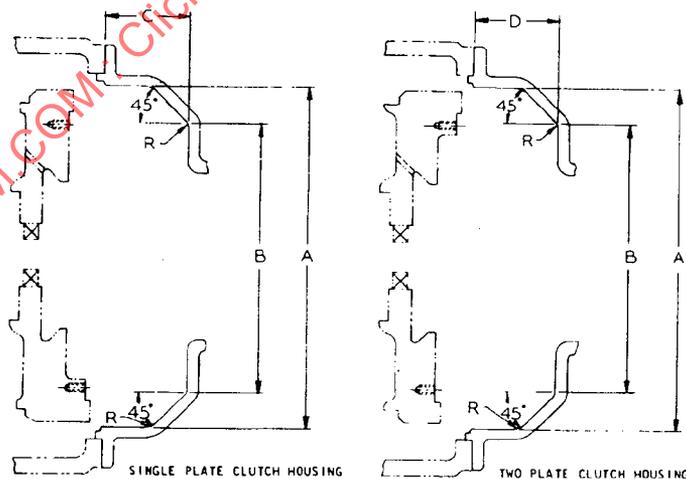
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Ø HOUSING INTERNAL DIMENSIONS FOR SINGLE
AND TWO PLATE SPRING LOADED CLUTCHES

1. **SCOPE:** This SAE Recommended Practice defines the minimum internal dimensions for clutch housings to provide adequate clearance for single and two plate spring loaded clutches.

Consult SAE J617c (June, 1976) for housing flange dimensions. Consult SAE J618 JUN80 and J619 JUN80 for spring loaded clutch flywheel dimensions F and G and other dimensional data.

Table 1 provides housing minimum internal dimensions for single and two flange spring loaded clutches.



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TABLE 1 - HOUSING MINIMUM INTERNAL DIMENSIONS, mm (in)

Clutch Number	SAE Flywheel Housing Number ^a	A	B	C	D	R
6	6	235.0 (9.25)	190.5 (7.50)	22.4 (0.88)	41.1 (1.62)	12.7 (0.50)
7	6	235.0 (9.25)	190.5 (7.50)	22.4 (0.88)	41.1 (1.62)	12.7 (0.50)
8	5	241.3 (9.50)	206.2 (8.12)	35.1 (1.38)	53.8 (2.12)	12.7 (0.50)
9	5	279.4 (11.00)	241.3 (9.50)	38.1 (1.50)	62.0 (2.44)	12.7 (0.50)
10	4	292.1 (11.50)	254.0 (10.00)	15.7 (0.62)	42.9 (1.69)	12.7 (0.50)
11	4	317.5 (12.50)	266.7 (10.50)	30.2 (1.19)	49.3 (1.94)	12.7 (0.50)
12	3	342.9 (13.50)	292.1 (11.50)	31.8 (1.25)	55.6 (2.19)	25.4 (1.00)
13	3	374.6 (14.75)	311.2 (12.25)	36.6 (1.44)	58.7 (2.31)	25.4 (1.00)
14	2	381.0 (15.00)	323.8 (12.75)	39.6 (1.56)	68.3 (2.69)	25.4 (1.00)
15	1	425.4 (16.75)	349.2 (13.75)	41.1 (1.62)	68.3 (2.69)	25.4 (1.00)
16	1	469.9 (18.50)	387.4 (15.25)	60.5 (2.38)	95.2 (3.75)	50.8 (2.00)
17	1/2	520.7 (20.50)	419.1 (16.50)	60.5 (2.38)	95.2 (3.75)	50.8 (2.00)

^aColumn shows minimum SAE Flywheel Housing Size adaptable to clutch.

The phi (ϕ) symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.

RATIONALE:

Not applicable.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

Not applicable.

REFERENCE SECTION:

SAE J617c, Engine Flywheel Housings

SAE J618 JUN80, Flywheels for Single-Plate Spring-Loaded Clutches

SAE J619 JUN80, Flywheels for Two-Plate Spring-Loaded Clutches

APPLICATION:

This SAE Recommended Practice defines the minimum internal dimensions for clutch housings to provide adequate clearance for single and two plate spring loaded clutches.

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