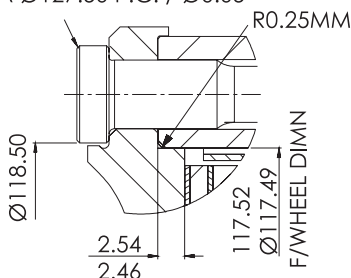


# METALLIC RACE CLUTCH - Mounting Information

## MOUNTING

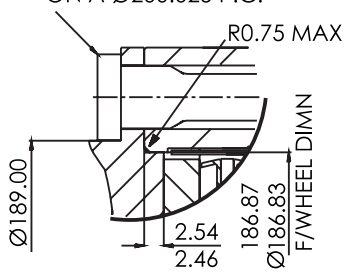
The drawings below, provide detailed information for all flywheel spigots / mounting for every size of race clutch in the publication. AP Racing recommend that all their race clutches are mounted to the flywheel by using either CP4703 / CP4702 studs. Mounting hole, P.C.D., and tightening torque details are given for all drawings below.

**MOUNTING HOLES.**  
10 HOLES Ø6.50/6.40 EQUI-SPACED  
ON A Ø127.50 P.C. / Ø0.05



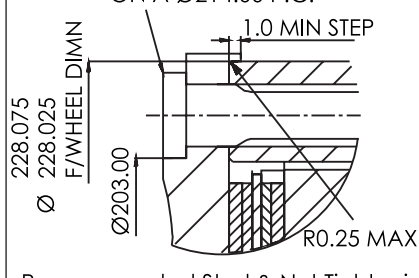
Recommended Stud & Nut Tightening  
Torque = 10Nm (7.5lb/ft)  
**Ø115mm Stepped Flywheel**

**MOUNTING HOLES. 6 / 12 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø200.025 P.C.



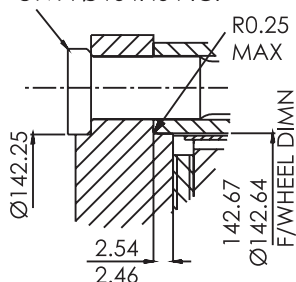
Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø184mm Stepped Flywheel**

**MOUNTING HOLES. 6 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø214.00 P.C.



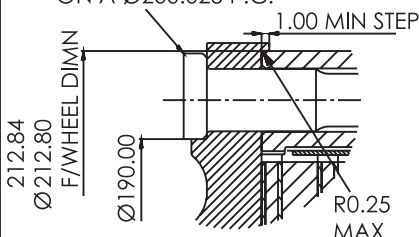
Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø200mm Flat Flywheel**

**MOUNTING HOLES. 8 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø154.45 P.C.



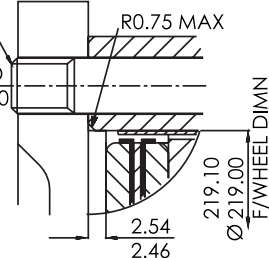
Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø140mm Stepped Flywheel**

**MOUNTING HOLES. 6 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø200.025 P.C.



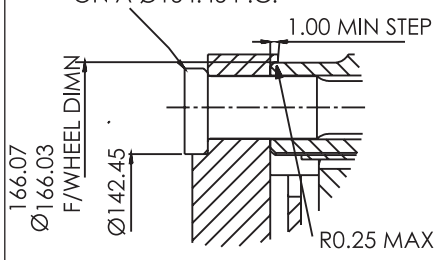
Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø184mm Flat Flywheel**

**MOUNTING HOLES. 6 OFF HOLES**  
EQUI-SPACED  
ON A Ø232.00 P.C. Ø0.05



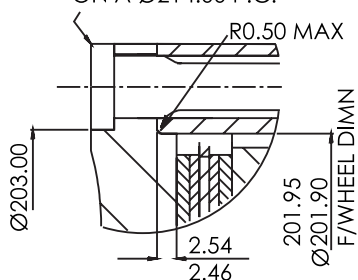
Recommended Stud & Nut Tightening  
Torque = 10Nm (7.5lb/ft)  
**Ø215mm Stepped Flywheel  
with Stud Fixing**

**MOUNTING HOLES. 8 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø154.45 P.C.



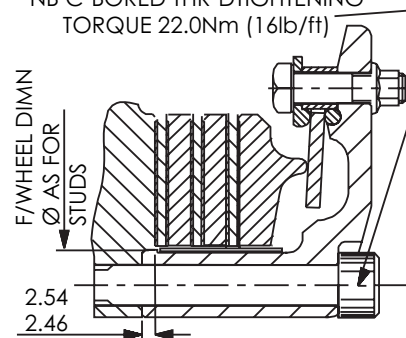
Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø140mm Flat Flywheel**

**MOUNTING HOLES. 6 HOLES**  
Ø8.020/8.005 EQUI-SPACED  
ON A Ø214.00 P.C.



Recommended Stud & Nut Tightening  
Torque = 22Nm (16lb/ft)  
**Ø200mm Stepped Flywheel**

**6 / 8 MOUNTING HOLES. EQUI-SPACED**  
ON A P.C.D AS FOR STUDS THREAD  
M8 OR 5/16UNF  
NB C' BORED THR'DTIGHTENING  
TORQUE 22.0Nm (16lb/ft)



**ALTERNATIVE FIXING USING BOLT  
FOR 140MM - 215MM  
STEPPED FLYWHEEL**

## FIXING / MOUNTING STUDS.

The recommended method of mounting the clutch to the flywheel is with a mounting stud and K-Lock nut.

The recommended tightening torque is 22Nm (16lb/ft) for M8 & 5/16" UNF. AP Racing offer a range, of studs for mounting clutches to flywheels, (see page 120). These high quality steel mounting studs are available in either M6, M8, 1/4" & 5/16" UNF to suit clutches of Ø115mm, and above.

All studs have rolled threads for improved fatigue resistance. The stud design incorporates offset head flats for location, necked down shanks and precision ground location diameters.

All kits come complete with relevant K-lock nuts. See above for flywheel mounting details.

## FLYWHEELS.

A purpose machined flywheel is required. The friction face should be a good quality close grained cast iron or steel (0.35 / 0.45 % carbon, hardness 200Hb minimum), with a surface finish of 75µm RA (30 CLA) maximum. Run out when assembled to the crankshaft must not exceed 0.08mm (0.003") maximum at 76mm (3.0") radius. Fixing holes and location spigot to be machined as shown above.

N.B. Cast Iron flywheels should not be used above 10000rpm.