



Clutch Dimensions

Dim	Description	mm
A	Diameter of cover	229
B	Height of cover	57.5
C	Grip height	46.5
D	Minimum inside diameter of cover	86
E	Min/max thrust bearing fulcrum diameter	54
F	Minimum inside diameter of spring fingers	40
G	Mounting bolt/stud PCD - BASIC	214
H	Flywheel spigot diameter ±0.03	202
J	Flywheel inner diameter +0/-2	133
L	Clutch face to start of hub(s)	-
M	Clutch face to end of hub(s)	-
N	Flywheel spigot step height ±0.04	2.5

- Dimensions "L" and "M" are dependent on hub configurations selected at time of order. Please consult TTV Racing for details.

Clutch Fastener Specifications

- Clutch should be fastened to the flywheel using 6 off M8 studs/ mechanical locking nuts or M8 Cap head screws/ safety washers.
- Fastener strength should be grade 10.9 minimum.
- Fasteners to be gradually tightened to 22Nm (16lbft) in a criss-cross pattern.

Terms and Conditions.

TTV Racing parts are designed for motorsport requirements only and have not been designed/ tested/ homologated for road use. TTV Racing parts are sold without any express warranty or any implied warranty of merchantability or fitness for a particular purpose. TTV Racing shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, damage, or loss of property or equipment, loss of profits or revenue(s), cost of purchased or replacement goods, or claims of customers of the purchase, which may arise and/ or result from sale, installation or use of these parts. Installation of these parts may void vehicle manufacturers warranty coverage and/ or may cause the vehicle to be illegal in some countries. Please check with local laws on the road use of your vehicle. TTV Racing reserves the right to make product improvements and changes without notice and without incurring liability with respect to similar products previously manufactured. By using these parts you are accepting these terms and conditions.

TTV	Clutch Specifications	Doc Number: 4811-01-001	Revision: B
	Title: 4811 Series - 200mm Twin Plate Race Clutch	Author: SRV	Effective Date: 04/02/19

Clutch Performance Specifications

Clutch Type (Spring Colour)	Setup Height "K" mm		Torque Capacity Nm (lbft)	Max Release Load Kg	Spring Thickness mm
	New	Worn			
4811-06-002 (Blue)	44.6	47.2	723 (533)	275	2.65
4811-06-003 (Orange)	44.4	47	928 (685)	335	2.8
4811-06-004 (Silver)	44.3	46.9	1036 (764)	390	3

- Setup heights are from flywheel friction face and based on using an Ø54mm release bearing. Heights are subject to a tolerance of ±0.5mm.
- Release loads are based on an Ø54mm release bearing. A smaller diameter bearing will reduce release loads.

Clutch Mass and Inertias

Assembly Mass Kg	Assembly MMOI Kg.m ²
4.033	0.029

- Mass and inertias are for cover assemblies only and are estimated values.

Release Bearing Specification

- Release bearing should be of the steel caged, round nose type. Nominal Ø50-Ø54mm diameter.
- Release bearing travel must not exceed 5.5mm and should be limited by an external stop.
- Release bearing should be free of the spring fingers when clutch is fully engaged.

Maintenance

Type	Thickness mm		Flatness mm
	New	Worn	
Pressure Plate	16	15.8	0.1
Intermediate Plate	10	9.8	0.1
Drive Plate	7.6	6.8	0.15

- Total allowable wear shall be not more than 0.8mm for the whole assembly.
- Regular inspection and maintenance of the clutch is recommended for optimum performance over the life of the clutch.
- Pressure, intermediate and drive plates should be checked for flatness and wear.

Terms and Conditions.

TTV Racing parts are designed for motorsport requirements only and have not been designed/ tested/ homologated for road use. TTV Racing parts are sold without any express warranty or any implied warranty of merchantability or fitness for a particular purpose. TTV Racing shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, damage, or loss of property or equipment, loss of profits or revenue(s), cost of purchased or replacement goods, or claims of customers of the purchase, which may arise and/ or result from sale, installation or use of these parts. Installation of these parts may void vehicle manufacturers warranty coverage and/ or may cause the vehicle to be illegal in some countries. Please check with local laws on the road use of your vehicle. TTV Racing reserves the right to make product improvements and changes without notice and without incurring liability with respect to similar products previously manufactured. By using these parts you are accepting these terms and conditions.