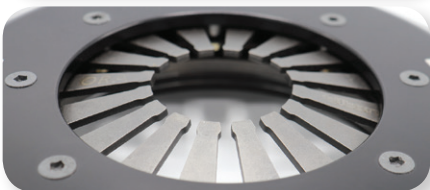


## Features



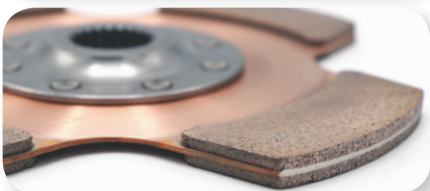
*Open, one-piece clutch cover design provides lower operating temperature, high strength and minimal deflection for quick shifting.*



*Chrome vanadium diaphragm springs and an engineered pressure plate geometry provide a high clamp load-to-wear ratio, low release load and quick shifting.*



*High-strength steel is used in both the pressure plates and the floater plates.*



*.283"-thick friction disc withstands elevated temperatures while providing low inertia and excellent wear resistance.*



*Hardened steel thrust buttons provide smooth and durable surface for pressure and floater plates.*



*Every Tilton OT clutch is dynamically balanced to ensure the highest level of performance.*

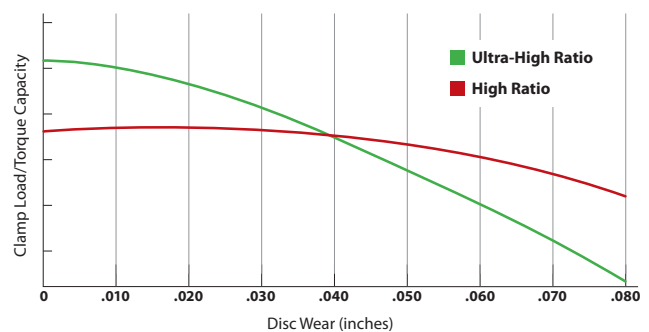


*Each OT clutch is individually inspected for proper assembly and balance, and initialed by the quality personnel as confirmation.*



Tilton OT-Series cerametallic clutches share many of the same features with OT-Series metallic clutches, but feature thicker friction discs that utilize a unique blend of ceramic and metallic materials. The engagement characteristics of the cerametallic discs provide smoother engagement characteristics than metallic discs, making them a good choice for applications that require some clutch modulation (such as rally, hill climb and autocross). In addition, the thicker friction discs provide a higher heat capacity than metallic discs due to the increased mass they provide.

OT-Series cerametallic clutches offer the low weight, low inertia, torque capacity and the strength needed for the most demanding racing applications. OT-Series cerametallic clutches are available in 7.25" diameter, with 1 or 2 friction discs and multiple diaphragm spring rate options to suit a wide range of applications.



### High Ratio Pressure Plate

- Short release travel for quick engagement and shifting
- Flat clamp load curve for longest wear range

### Ultra-High Ratio Pressure Plate

- 20% more release travel than High Ratio for improved modulation
- 20% more clamp load than High Ratio for higher peak torque capacity
- Clamp load drops more quickly with wear than High Ratio



### Features

- Disc Diameter: 7.25" (185mm)
- Disc Count: 1, 2-disc
- Pressure Plate Ratios: High, Ultra-High
- Diaphragm Spring Rates: W, BF, ORA, G, GG, GGG

### Weight & Inertia

Clutch	Weight (lbs/kg)	Inertia (lb-in <sup>2</sup> /kg-m <sup>2</sup> )
1 Disc	5.6/2.5	52.4/.0154
2 Disc	8.2/3.7	76.3/.0225

### Typical Applications

- Rally
- Import Drag Racing
- Club Racing
- Off-Road
- Road Racing

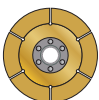
### Clutch Service Parts

Description	Part Number
Pressure Plate, High Ratio	<b>66-118HR-R</b>
Pressure Plate, Ultra High Ratio	<b>66-118UHR-R</b>
Floater Plate	<b>66-119</b>

1-Disc	Pressure Plate	Diaphragm Spring	Torque Capacity (lb-ft/Nm)	Release Load (lb/daN)	Part Number
	High	W	200/272	400/180	<b>66-301HW</b>
	High	BF	240/326	480/211	<b>66-301HBF</b>
	High	ORA	280/381	560/247	<b>66-301HORA</b>
	High	G	340/462	680/299	<b>66-301HG</b>
	High	GG	380/517	760/334	<b>66-301HGG</b>
	Ultra High	W	240/326	400/180	<b>66-301UW</b>
	Ultra High	BF	285/388	480/211	<b>66-301UBF</b>
	Ultra High	ORA	335/456	560/247	<b>66-301UORA</b>
	Ultra High	G	380/517	680/299	<b>66-301UG</b>
	Ultra High	GG	455/619	760/334	<b>66-301UGG</b>
2-Disc	Pressure Plate	Diaphragm Spring	Torque Capacity (lb-ft/Nm)	Release Load (lb/daN)	Part Number
	High	W	400/544	400/180	<b>66-302HW</b>
	High	BF	480/652	480/211	<b>66-302HBF</b>
	High	ORA	560/762	560/247	<b>66-302HORA</b>
	High	G	680/925	680/299	<b>66-302HG</b>
	High	GG	760/925	760/334	<b>66-302HGG</b>
	Ultra High	W	480/652	400/180	<b>66-302UW</b>
	Ultra High	BF	570/775	480/211	<b>66-302UBF</b>
	Ultra High	ORA	670/911	560/247	<b>66-302UORA</b>
	Ultra High	G	820/1115	680/299	<b>66-302UG</b>
	Ultra High	GG	910/1238	760/334	<b>66-302UGG</b>

#### Notes:

- Unless noted, clutches are designed for the use with flywheels that have a .100" (2.54mm) step for the friction surface to register the clutch by the ID of the clutch cover legs. Contact Tilton for options available for "pot type" flywheels.
- Weight and inertia values listed include friction discs (sold separately)
- Release load values listed are based on the use of a release bearing with 44mm contact diameter. Larger contact diameter will increase release load.



See page 18 for available clutch disc packs options

Installation drawing for OT-II 7.25" Cerametallic Clutches is available at  
[www.tiltonracing.com/technical/installation-drawings](http://www.tiltonracing.com/technical/installation-drawings)

