



## ORC ARUGOS Clutch Series

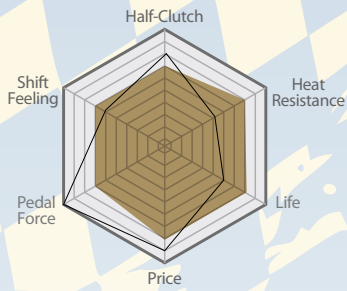
ARUGOS is Ogura Racing Clutches' brand designed for non-Japanese vehicles. ORC entered the Japanese racing scene in 1998, quickly building a world-class reputation. Driven by the demand for excellence, the ARUGOS brand now combines advanced technology, experience, and passion to deliver exceptional performance and reliability to global markets. The Arugos ARS 559 and ARS 659 Metal Series twin disc clutches are the most popular and supported by ORC.



- ④ **Improved clutch pedal feel:** The feeling is both mild and sensitive.
- ④ **Easy to drive:** Two sets of specially designed torsion springs have been added to the disc for ease of driving.
- ④ **Increased clutch capacity:** Capacity has been greatly improved by increasing the friction area while maintaining a light pedal feel and stable half-clutch characteristics.
- ④ **Highly durable:** It is durable with operation improved by using a drive hub system.
- ④ **Easy to install**
- ④ **Solid transfer of torque:** The engine torque gets to your wheels solidly. Excellent heat management: All heat created by the clutch is 120% contained and controlled for maximum durability and reliability.



## Arugos Light Clutch Series



\*Shift gears quickly  
\*Compatible for both street and circuit driving

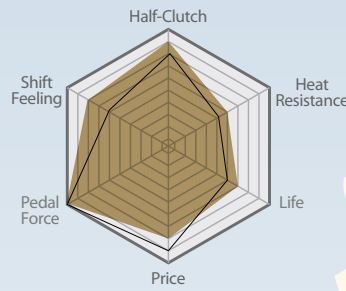
High-quality sports driving is made possible with the lightweight clutch disc that provides half-clutch control with quick shift feeling and sports feel, as well as quick engine response with the Light Clutch.

Performance Radar Chart

### Series Lineup:

ARS 250 Light	Light clutch, single disc
ARS 400 Light	Light clutch, single disc

## Arugos Metal Clutch Series



\*Flexible, high-performance clutch  
\*Compatible for both street and circuit driving

Offers a versatile driving experience with a smooth pedal feel, reliable torque transmission, and high-performance half-clutch control. Responds quickly to the driver's input, providing excellent vehicle control and faster track times.

Performance Radar Chart

### Series Lineup:

ARS 309	Metal clutch, single disc
ARS 559/659	Metal clutch, twin disc



**CLUTCH COVER:** Specially designed clutch cover with aluminum + anodized aluminum treatment to ensure sufficient strength and durability through FEM (finite element method) analysis while being lightweight. The reliable crimping force provided by the special diaphragm spring and the nine high-strength bolt connections coupled to the flywheel provide additional reliability.

**PRESSURE PLATE:** Thoroughly pursues durability and weight reduction. In order to achieve a cooling effect and segmentation of the friction surface, slits are provided on the friction surface to improve stability by making the contact uniform.

**CLUTCH DISC:** This high-friction metal disc, developed exclusively for competition, uses a damper-type design to balance improved torque transmission without sacrificing operability. It offers excellent performance for both demanding circuit use and everyday driving on public roads. Additionally, hub-drive carbon discs are available for select vehicle models. Leveraging carbon's unique properties—where its friction coefficient varies with temperature—these discs deliver outstanding operability and high torque transmission across a wide range of conditions.

**MID PLATE:** With a slit on the friction surface. The cooling effect and the segmentation of the friction surface achieve uniformity and contribute to stable torque transmission.

**FLYWHEEL:** Lightweight and made of chromoly steel for improved engine response. Coupled to the cover by nine mounting bolts, it distributes the load on the discs due to sudden changes in torque, suppresses deformation of each part, and improves stability.

### ARUGOS Single Plate Clutch

Maker	Material	Torque lb-ft [Nm]
Lotus	Metal	251 (340)

### ARUGOS Light Clutch

Maker	Material	Torque lb-ft [Nm]
Porsche	Organic	412 (558)
Alpha Romeo	Organic	288 (390)
BMW	Organic	288 (390)
Abarth	Organic	231 (313)
Lotus	Organic	231 (313)
Lancia	Organic	288 (390)

### ARUGOS Twin Plate Clutch

Maker	Material	Torque lb-ft [Nm]
Porsche	Metal	542 (735)
BMW	Metal	472 (640)
Ferrari	Metal	472 (640)
Hyundai	Metal	472 (640)
Audi	Metal	472 (640)

### ARUGOS Carbon Clutch

Maker	Material	Torque lb-ft [Nm]
Ferrari	Carbon	472 (640)

