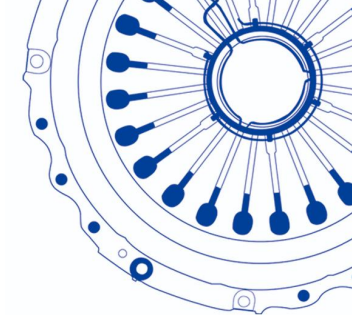
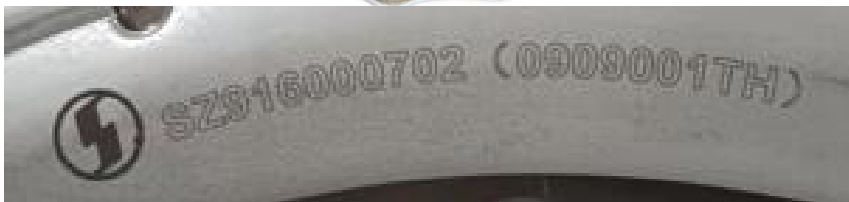
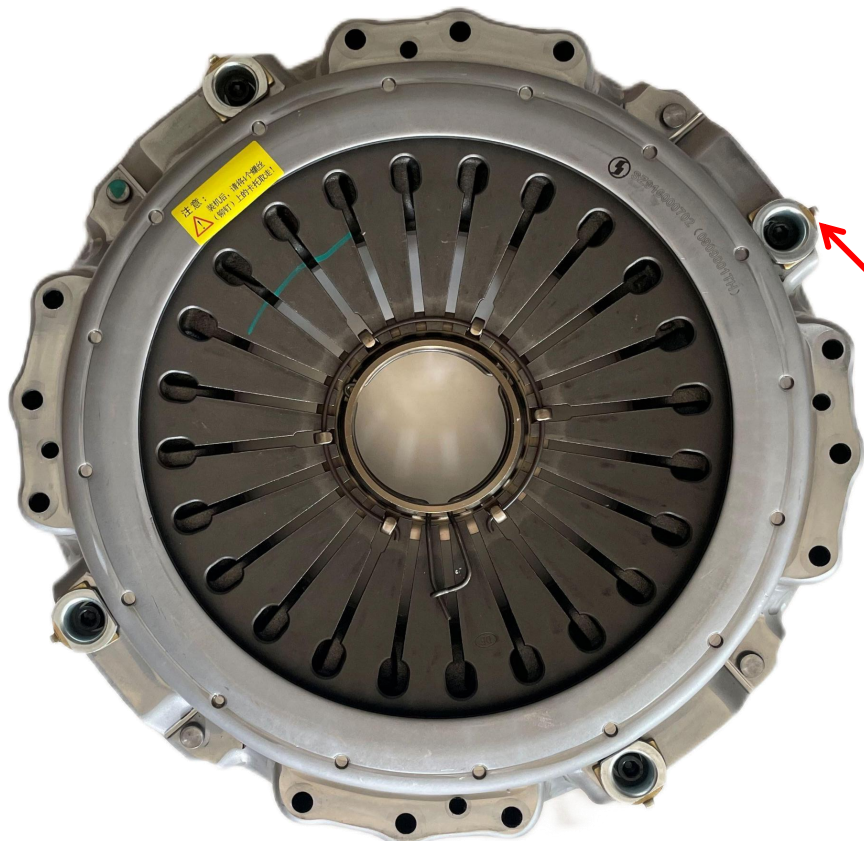




# Clutch Product Description



# 1. Cover assembly (Pull Type)      Part Number: SZ916000702



Applicable to engines with 380-500 HP and flywheel recess diameter of 240mm (excluding Renault engines)

Attention: Please make sure to remove the FOUR positioning pins after assembly.

|                                     |         |                                  |          |
|-------------------------------------|---------|----------------------------------|----------|
| Outer Diameter of Pressure Plate    | 430mm   | Inner Diameter of Pressure Plate | 238mm    |
| Pillow Height                       | 10mm    | Mounting Height                  | 65±3.7mm |
| Locating Diameter                   | 475mm   | Pull Ring Action Diameter        | 120mm    |
| Working Clamping Force              | ≥41000N | Release Force                    | ≤7800N   |
| Mounting Hole Pitch Circle Diameter | 450mm   | Mounting Hole Diameter           | 11mm     |
| Belt Height                         | 53.5mm  | Maximum Overall Height           | ≤ 83 mm  |

2. Clutch Disc, Part Number: DZ93189260240



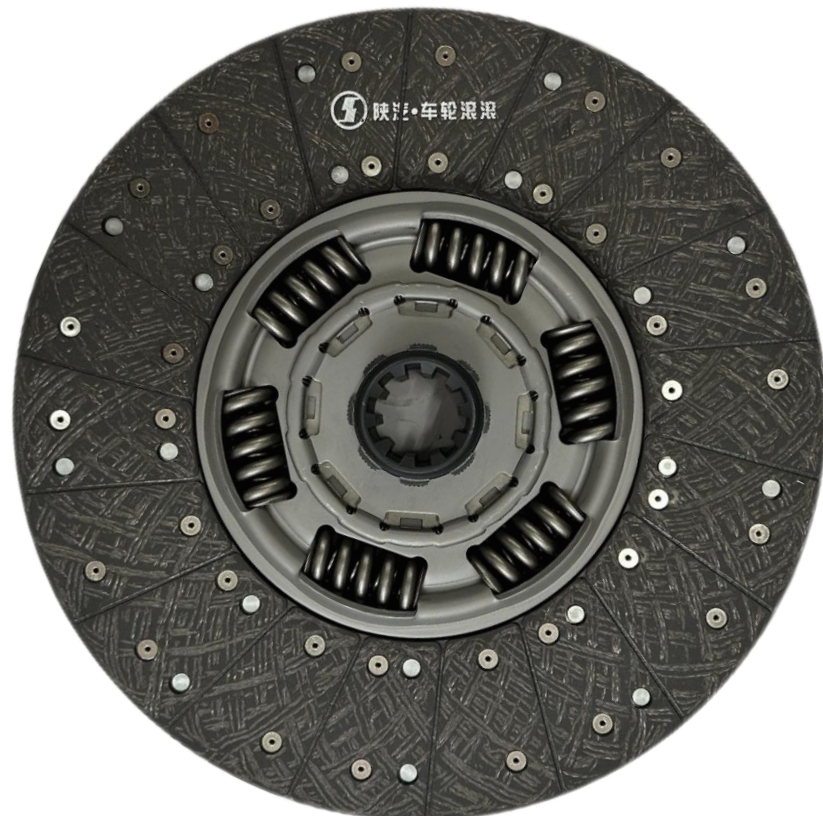
Fit: 380-500 horsepower, disc and flywheel bore diameter 240mm engine.

Product Features

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |       |                                  |                                       |
|----------------------------------|-------|----------------------------------|---------------------------------------|
| Outer diameter of friction plate | 430mm | Inner diameter of friction plate | 240mm                                 |
| Vibration damper outer diameter  | 232mm | Spline outer diameter            | 50.8mm<br>Compatible with 52.5 / 54.8 |
| Total thickness                  | 10mm  | Number of main damper springs    | 6                                     |
| Pre-damper                       | YES   | Maximum torque                   | 3210N.m                               |

### 3. Clutch Disc, Part Number: DZ91189160210



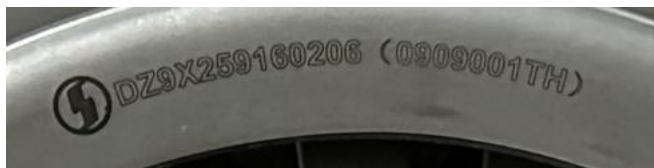
Fit: 380-500 horsepower, disc and flywheel bore diameter 240mm engine.

#### Product Features

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |       |                                  |                                       |
|----------------------------------|-------|----------------------------------|---------------------------------------|
| Outer diameter of friction plate | 430mm | Inner diameter of friction plate | 240mm                                 |
| Vibration damper outer diameter  | 232mm | Spline outer diameter            | 50.8mm<br>Compatible with 52.5 / 54.8 |
| Total thickness                  | 10mm  | Number of main damper springs    | 6                                     |
| Pre-damper                       | YES   | Maximum torque                   | 3210N.m                               |

4. Cover Assembly (Pull Type)      Part Number: DZ9X259160206



Application: Suitable for 500-600 horsepower manual engines with flywheel recess diameter of 260mm.

Attention: Ensure that the **FOUR** limit pins are removed after assembly.

|                                     |         |                                  |           |
|-------------------------------------|---------|----------------------------------|-----------|
| Outer Diameter of Pressure Plate    | 430mm   | Inner Diameter of Pressure Plate | 260mm     |
| Pillow Height                       | 10.6mm  | Mounting Height                  | 65±3.7 mm |
| Locating Diameter                   | 475mm   | Pull Ring Action Diameter        | 120mm     |
| Working Clamping Force              | ≥42000N | Release Force                    | ≤8000N    |
| Mounting Hole Pitch Circle Diameter | 450mm   | Mounting Hole Diameter           | 11mm      |
| Belt Height                         | 53.5mm  | Maximum Overall Height           | ≤ 83 mm   |



## 5. Clutch Disc, Part Number: DZ9X259160207

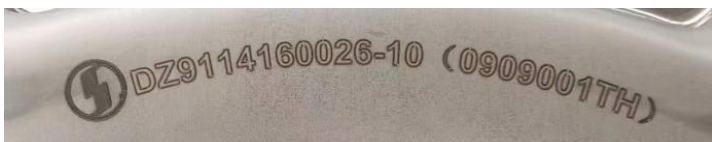
Application: Suitable for 500-600 horsepower manual engines with disc and flywheel bore diameter of 260mm.

### Product Features

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |         |                                  |                                 |
|----------------------------------|---------|----------------------------------|---------------------------------|
| Outer diameter of friction plate | 430mm   | Inner diameter of friction plate | 260 mm                          |
| Vibration damper outer diameter  | 252mm   | Spline outer diameter            | 52.5mm (Compatible with 54.8mm) |
| Total thickness                  | 10.6 mm | Number of main damper springs    | 6                               |
| Pre-damper                       | YES     | Maximum torque                   | 3400N.m                         |

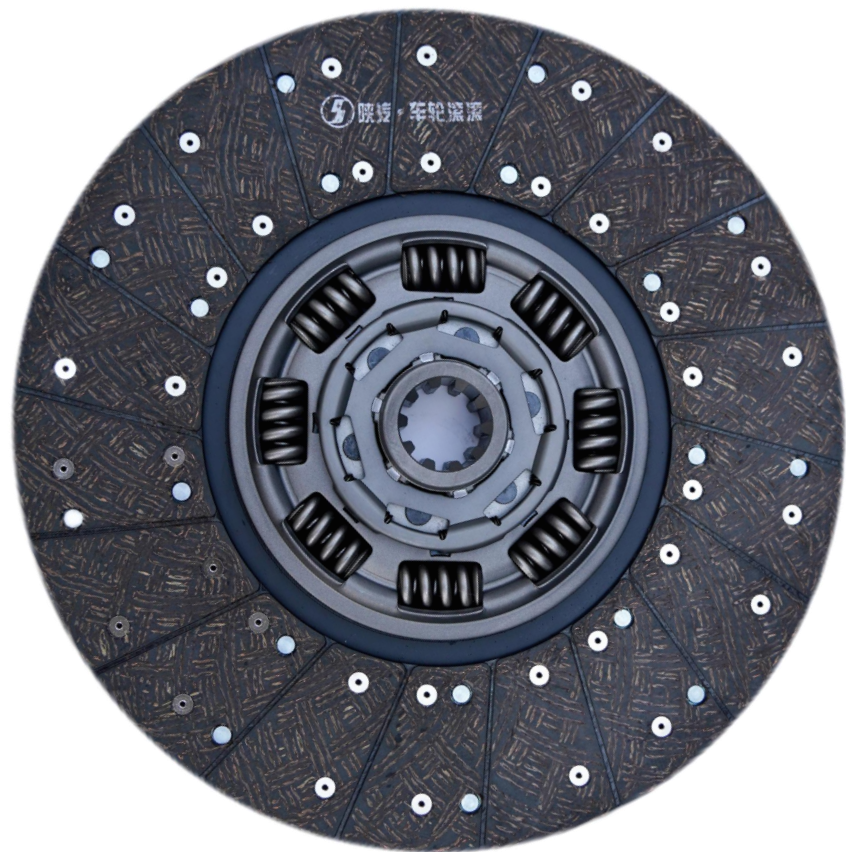
## 6. Cover Assembly (Push Type) Part Number: DZ9114160026-10



Application: Push-type 430, suitable for flywheels with three holes and four evenly distributed groups.

Attention: For constant-contact release bearings, it is essential to periodically adjust the free clearance between the bearing face and diaphragm spring fingers. This clearance must not be eliminated.

|                                     |                      |                                  |                     |
|-------------------------------------|----------------------|----------------------------------|---------------------|
| Outer Diameter of Pressure Plate    | 430mm                | Inner Diameter of Pressure Plate | 218mm               |
| Pillow Height                       | 10mm                 | Mounting Height                  | 75mm                |
| Locating Diameter                   | 475mm                | Pull Ring Action Diameter        | 85mm                |
| Working Clamping Force              | $\geq 22000\text{N}$ | Release Force                    | $\leq 6000\text{N}$ |
| Mounting Hole Pitch Circle Diameter | 450mm                | Mounting Hole Diameter           | 11mm                |
| Belt Height                         | 44.5mm               | Maximum Overall Height           | $\leq 79\text{ mm}$ |



## 7. Clutch Disc, Part Number: DZ1560160012

Application: 430 clutch compatible with 44.5mm spline, suitable for engines up to 350 HP.

### Product Features

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |       |                                  |         |
|----------------------------------|-------|----------------------------------|---------|
| Outer diameter of friction plate | 430mm | Inner diameter of friction plate | 240mm   |
| Vibration damper outer diameter  | 212mm | Spline outer diameter            | 44.5mm  |
| Total thickness                  | 10mm  | Number of main damper springs    | 8       |
| Pre-damper                       | YES   | Maximum torque                   | 3000N.m |

## 8.Cover Assembly (Push Type) Part Number: DZ9114160028



Application: Push-type 430, suitable for flywheels with three-hole pattern in four evenly spaced groups.

Attention: For constant-contact release bearings, the free clearance between the bearing face and diaphragm spring fingers must be maintained and periodically adjusted. This clearance is essential.

|                                     |                      |                                  |                     |
|-------------------------------------|----------------------|----------------------------------|---------------------|
| Outer Diameter of Pressure Plate    | 430mm                | Inner Diameter of Pressure Plate | 218mm               |
| Pillow Height                       | 10mm                 | Mounting Height                  | 75mm                |
| Locating Diameter                   | 475mm                | Pull Ring Action Diameter        | 85mm                |
| Working Clamping Force              | $\geq 22000\text{N}$ | Release Force                    | $\leq 6000\text{N}$ |
| Mounting Hole Pitch Circle Diameter | 450mm                | Mounting Hole Diameter           | 11mm                |
| Belt Height                         | 44.5mm               | Maximum Overall Height           | $\leq 79\text{ mm}$ |

## 9. Clutch Disc, Part Number: DZ1560160014

Application: 430 clutch with 44.5mm spline, suitable for engines up to 315 HP. Ensure that the original vehicle flywheel does not have a third-stage damper.

### Product Features

- 1.Classic structure with lower cost.
- 2.No third-stage damping; ensure structural compatibility with the original vehicle to avoid idle noise.
- 3.Low transmission torque; not recommended for high-horsepower engines.



|                                  |       |                                  |         |
|----------------------------------|-------|----------------------------------|---------|
| Outer diameter of friction plate | 430mm | Inner diameter of friction plate | 240mm   |
| Vibration damper outer diameter  | 212mm | Spline outer diameter            | 44.5mm  |
| Total thickness                  | 10mm  | Number of main damper springs    | 9       |
| Pre-damper                       |       | Maximum torque                   | 2200N.m |

## 10. Cover Assembly (Push Type) Part Number: SZ916000001-10

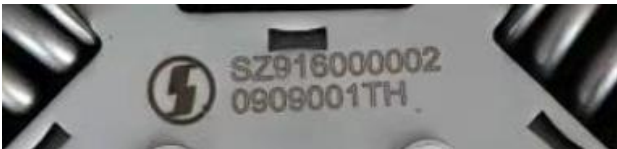
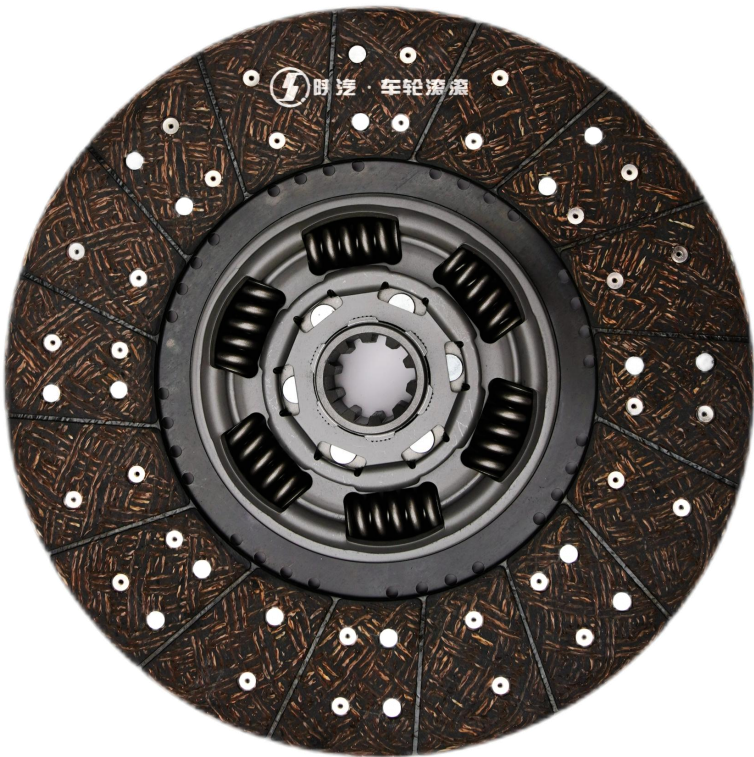


Compatibility: Suitable for engines below 240 HP. The pressure plate mounting holes on the  $\phi 395$  flywheel are M10.

Attention: The release bearing requires periodic adjustment of the free clearance between the bearing surface and the diaphragm spring fingers. Do not neglect this adjustment.

|                                     |                      |                                  |                     |
|-------------------------------------|----------------------|----------------------------------|---------------------|
| Outer Diameter of Pressure Plate    | 395mm                | Inner Diameter of Pressure Plate | 228mm               |
| Pillow Height                       | 11mm                 | Mounting Height                  | 70mm                |
| Locating Diameter                   | 435mm                | Pull Ring Action Diameter        | 78mm                |
| Working Clamping Force              | $\geq 17000\text{N}$ | Release Force                    | $\leq 5000\text{N}$ |
| Mounting Hole Pitch Circle Diameter | 410mm                | Mounting Hole Diameter           | 10.7mm              |
| Belt Height                         | 40mm                 | Maximum Overall Height           | $\leq 82\text{ mm}$ |

11. Clutch Disc, Part Number: SZ916000002



Compatibility: For medium-duty trucks equipped with 395mm clutches and engines of 240 HP or below.

- Product Features**
- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
  - 2.Equipped with high-performance PHC springs for superior damping effect.
  - 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
  - 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
  - 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
  - 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
  - 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |       |                                  |         |
|----------------------------------|-------|----------------------------------|---------|
| Outer diameter of friction plate | 395mm | Inner diameter of friction plate | 230mm   |
| Vibration damper outer diameter  | 188mm | Spline outer diameter            | 44.5mm  |
| Total thickness                  | 10mm  | Number of main damper springs    | 6       |
| Pre-damper                       | YES   | Maximum torque                   | 1650N.m |



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## 12. Cover assembly (Pull Type)

Part Number: DZ9114160031



Compatibility: Suitable for engines with 380-500 HP and flywheel recess diameter of 240mm (excluding Renault engines).

Attention: Ensure that the four limit pins are removed after assembly.

|                                     |                |                                  |                 |
|-------------------------------------|----------------|----------------------------------|-----------------|
| Outer Diameter of Pressure Plate    | 430mm          | Inner Diameter of Pressure Plate | 238mm           |
| Pillow Height                       | 10mm           | Mounting Height                  | $65 \pm 3.7$ mm |
| Locating Diameter                   | 475mm          | Pull Ring Action Diameter        | 120mm           |
| Working Clamping Force              | $\geq 40000$ N | Release Force                    | $\leq 7800$ N   |
| Mounting Hole Pitch Circle Diameter | 450mm          | Mounting Hole Diameter           | 11mm            |
| Belt Height                         | 53.5mm         | Maximum Overall Height           | $\leq 81$ mm    |

### 13. Clutch Disc, Part Number: DZ9114160032

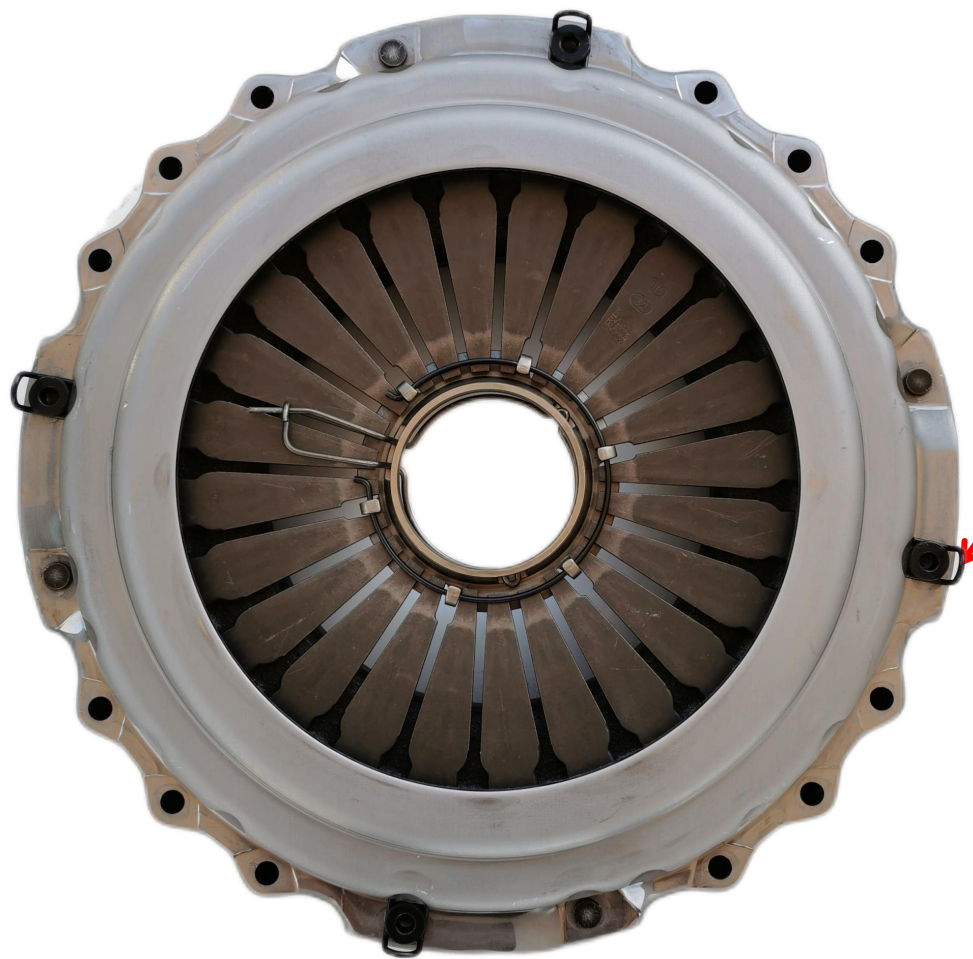
Compatibility: For 380-500 HP engines with a pressure plate and flywheel locating diameter of 240mm. Applicable to Renault engines of 450 HP or above.



#### Product Features

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |       |                                  |                                    |
|----------------------------------|-------|----------------------------------|------------------------------------|
| Outer diameter of friction plate | 430mm | Inner diameter of friction plate | 240mm                              |
| Vibration damper outer diameter  | 232mm | Spline outer diameter            | 54.8mm (Compatible with 50.8/52.5) |
| Total thickness                  | 10mm  | Number of main damper springs    | 6                                  |
| Pre-damper                       | YES   | Maximum torque                   | 3210N.m                            |



Application: For 500-600 HP non-automatic engines with a 260mm flywheel locating diameter.

Attention: Ensure that the four limit pins are removed after assembly.

|                                     |         |                                  |           |
|-------------------------------------|---------|----------------------------------|-----------|
| Outer Diameter of Pressure Plate    | 430mm   | Inner Diameter of Pressure Plate | 258mm     |
| Pillow Height                       | 10.6mm  | Mounting Height                  | 65±3.7 mm |
| Locating Diameter                   | 475mm   | Pull Ring Action Diameter        | 120mm     |
| Working Clamping Force              | ≥42000N | Release Force                    | ≤8000N    |
| Mounting Hole Pitch Circle Diameter | 450mm   | Mounting Hole Diameter           | 11mm      |
| Belt Height                         | 53.5mm  | Maximum Overall Height           | ≤ 83 mm   |

## 15. Clutch Disc, Part Number: DZ9X259160205



Fitment: Suitable for 500-600 HP manual engines with a 260mm locating diameter of the pressure plate and flywheel.

### Product Features 5 large springs; Narrow type facing

- 1.The damper plate is made of 4.5mm premium acid-washed steel from Shougang, ensuring strength and stability.
- 2.Equipped with high-performance PHC springs for superior damping effect.
- 3.The curved large steel plate adopts laser welding technology, providing higher structural integrity and compatibility.
- 4.Fitted with premium friction pads, offering balanced wear resistance and vibration reduction.
- 5.Alloy hub sourced from leading OEM suppliers, tempered for enhanced strength, appearance, and durability.
- 6.Integrated with a pre-damper to effectively prevent idle vibration and resonance.
- 7.Semi-leaf spring design improves overall structural rigidity and significantly reduces the risk of core damage, making it ideal for heavy-duty, high-horsepower applications.

|                                  |        |                                  |         |
|----------------------------------|--------|----------------------------------|---------|
| Outer diameter of friction plate | 430mm  | Inner diameter of friction plate | 260mm   |
| Vibration damper outer diameter  | 252mm  | Spline outer diameter            | 54.8mm  |
| Total thickness                  | 10.6mm | Number of main damper springs    | 5       |
| Pre-damper                       | YES    | Maximum torque                   | 3300N.m |

**Thank You For Choosing Our Products!**

Our Commitment:

During the use of our products, if any manufacturing quality issues arise, we will strictly follow industry standards to provide warranty, repair, replacement, or refund services.

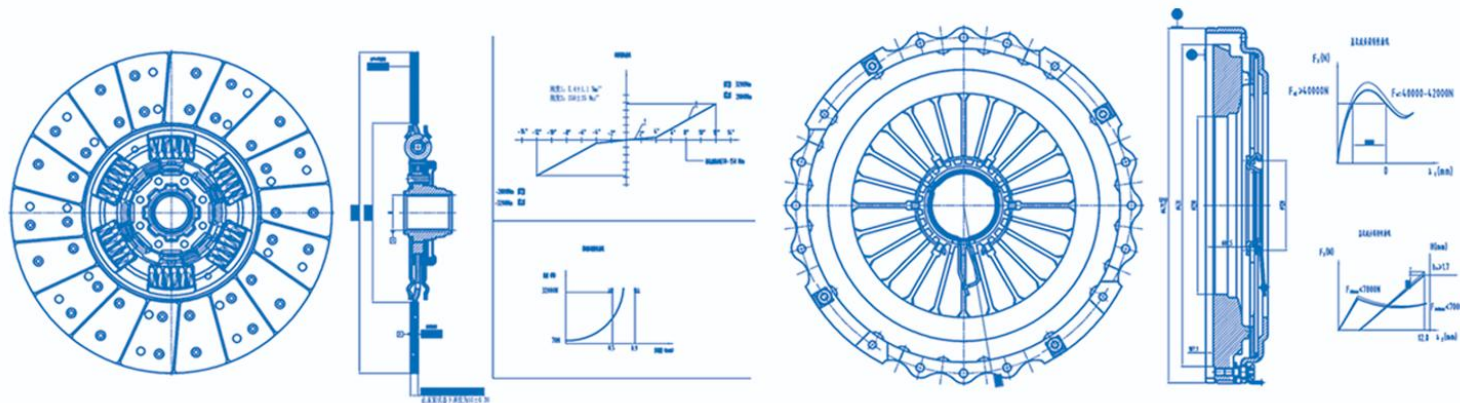
**I. Warranty Conditions:**

- 1.Clutch Cover: Within one year of normal use, the warranty applies if the pressure plate surface shows no severe burning or visible scoring.
- 2.Clutch Disc: Within one year of normal use, the warranty applies if the friction linings are not severely burned and have not worn down to the rivets.

**II. Common Failure Modes Not Related to Manufacturing Quality:**

Clutch burning, vehicle shudder during start, severe wear of the friction surface, mismatched clutch model, improper installation, incomplete contact of the friction surface, severe wear or burning of the release ring and diaphragm spring fingers, glazing of the pressure plate or friction disc, foreign objects inside the pressure plate, and impact wear on the clutch spline teeth are not considered manufacturing quality issues and are not covered by the warranty.

**In case of other failure conditions, the final determination shall be based on the factory inspection and evaluation results, subject to mutual confirmation between both parties.**



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