

# Parker Product Datasheet



Parker Ball Bearing Rotary Fittings are used to connect a fixed point to a rotating, swinging or moving part via hoses. These products are used to prevent torsion and small hose radius.

**PART NUMBER:** DG107/12SHDCF  
**SHAPE:** Straight  
**CONNECTION 1 SIZE:** 12 mm (O.D.)  
**CONNECTION 1 TYPE:** Male 24° Cone  
**ACCESSORIES INCLUDED:** Pre-assembled with Nut and EO-PSR Cutting Ring  
**CONNECTION 2 TYPE:** Male 24° Cone  
**CONNECTION 2 SIZE:** 12 mm (O.D.)

## PRODUCT OVERVIEW

Parker ball bearing rotary fittings are used to connect a fixed point to a rotating, swinging or moving part via hoses. These products are used to prevent torsion and small hose radius.

The ball bearing rotary fittings are suitable for hydraulic oils and lubricants on mineral oil base as flow media.

The construction of this service-proved product range is characterized by a compact, maintenance-free construction. The ball bearing rotary fittings have a combined ball and plain bearing with constant lubrication, a low starting torque and wear-resistant annular piston sealings.

Markets:

- Chemical Industries
- Plant engineering
- Power stations
- Cable storage

Applications:

- Suitable for general hydraulic applications.

Features/ Benefits of the ball bearing rotary fittings:

- Parker ball bearing rotary fittings help to avoid torsion of hoses and therefore improve the life cycle of these products
- Parker ball bearing rotary fittings have a high corrosion resistant surface.
- The construction of the ball bearing fittings is maintenance-free, so that the costs for maintenance will be reduced.

Technical specifications:

Materials: Casing, body nut of steel. Annular piston sealing: POM/FKM. Eolastic sealing: NBR, also available in FKM.

Nominal temperatures: -40 °C up to +95 °C

Construction Systems:

8 different versions with one rotational axis. Multiaxial rotary couplings on request. Tube connections according to DIN 2353, series S. Maximum working pressure 350 bar (peak pressure)

Male stud sealing by Eolastic seals of NBR

Male stud with metric parallel or BSPP thread.

## TECH SPECIFICATIONS

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| <b>DIVISION</b>                   | High Pressure Connectors Europe Division |
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| <b>MAXIMUM OPERATING PRESSURE</b> | 420 bar                                  |
| <b>FOR FLUID TYPE</b>             | Steam                                    |
| <b>FOR FLUID TYPE</b>             | Chemicals                                |
| <b>FOR FLUID TYPE</b>             | Gases                                    |
| <b>FOR FLUID TYPE</b>             | Hydraulic Fluids                         |
| <b>FOR FLUID TYPE</b>             | Fuels                                    |
| <b>INDUSTRY</b>                   | Agriculture                              |
| <b>INDUSTRY</b>                   | Industrial Manufacturing Equipment       |
| <b>INDUSTRY</b>                   | Marine                                   |
| <b>INDUSTRY</b>                   | Construction                             |
| <b>INDUSTRY</b>                   | Material Handling                        |
| <b>INDUSTRY</b>                   | Automotive                               |
| <b>INDUSTRY</b>                   | Transportation                           |
| <b>SPECIFICATIONS MET</b>         | ISO 8434                                 |
| <b>SHAPE</b>                      | Straight                                 |
| <b>APPLICATION</b>                | Hydraulics                               |
| <b>APPLICATION</b>                | Packaging                                |
| <b>APPLICATION</b>                | Chemical Transfer                        |
| <b>APPLICATION</b>                | Fuel Transfer                            |
| <b>APPLICATION</b>                | Mobile Equipment                         |
| <b>APPLICATION</b>                | Oilfield                                 |
| <b>BRAND</b>                      | Ermeto                                   |
| <b>TECHNOLOGY</b>                 | Fluid & Gas Handling                     |
| <b>PRODUCT STYLE</b>              | Rotary                                   |
| <b>PRODUCT STYLE</b>              | Bulkhead                                 |

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| <b>CONNECTION 1 SIZE</b>           | 12 mm Tube O.D.                                |
| <b>BODY MATERIAL</b>               | Steel                                          |
| <b>CONNECTION 1 TYPE</b>           | Male                                           |
| <b>CONNECTION 1 TYPE</b>           | 24° Cone                                       |
| <b>PRODUCT SERIES</b>              | EO Heavy                                       |
| <b>PRODUCT TYPE</b>                | Hydraulic DIN Fittings                         |
| <b>SEAL MATERIAL</b>               | n/a                                            |
| <b>CONFIGURATION</b>               | Tube to Tube                                   |
| <b>ACCESSORIES INCLUDED</b>        | Pre-assembled with Nut and EO-PSR Cutting Ring |
| <b>CONNECTION 2 TYPE</b>           | 24° Cone                                       |
| <b>CONNECTION 2 TYPE</b>           | Male                                           |
| <b>CONNECTION 2 SIZE</b>           | 12 mm Tube O.D.                                |
| <b>MAXIMUM AMBIENT TEMPERATURE</b> | 300 °C                                         |
| <b>MAXIMUM AMBIENT TEMPERATURE</b> | 572 °F                                         |
| <b>MINIMUM AMBIENT TEMPERATURE</b> | -40 °F                                         |
| <b>MINIMUM AMBIENT TEMPERATURE</b> | -40 °C                                         |
| <b>MAXIMUM FLUID TEMPERATURE</b>   | 300 °C                                         |
| <b>MAXIMUM FLUID TEMPERATURE</b>   | 572 °F                                         |
| <b>MINIMUM FLUID TEMPERATURE</b>   | -40 °F                                         |
| <b>MINIMUM FLUID TEMPERATURE</b>   | -40 °C                                         |
| <b>SEAL TYPE</b>                   | Sealing Edge                                   |
| <b>NOMINAL INSIDE DIAMETER</b>     | DN 9.5                                         |