

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: DG103/12SHDOMDCF

SHAPE: Elbow 90°

CONNECTION 2 SIZE: 12 mm (O.D.)

ACCESSORIES INCLUDED: n/a

CONNECTION 2 TYPE: Male 24° Cone

CONNECTION 1 SIZE: 12 mm (O.D.)

CONNECTION 1 TYPE: Male 24° Cone

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

FOR FLUID TYPE	Hydraulic Fluids
PRODUCT SERIES	EO Heavy
INDUSTRY	Construction
FOR FLUID TYPE	Chemicals
CONNECTION 2 TYPE	Male
INDUSTRY	Automotive
DIVISION	High Pressure Connectors Europe Division
MINIMUM AMBIENT TEMPERATURE	-40 °F
PRODUCT TYPE	Hydraulic DIN Fittings
DIVISION	High Pressure Connectors Europe Division
SPECIFICATIONS MET	ISO 8434
MINIMUM AMBIENT TEMPERATURE	-40 °C
TECHNOLOGY	Fluid & Gas Handling
MAXIMUM FLUID TEMPERATURE	300 °C
PRODUCT STYLE	Rotary
ACCESSORIES INCLUDED	n/a
MAXIMUM FLUID TEMPERATURE	572 °F
MAXIMUM AMBIENT TEMPERATURE	300 °C
CONFIGURATION	Tube to Tube
SEAL MATERIAL	n/a
BODY MATERIAL	Steel
MAXIMUM AMBIENT TEMPERATURE	572 °F
BRAND	Ermeto
MINIMUM FLUID TEMPERATURE	-40 °F

APPLICATION	Packaging
APPLICATION	Chemical Transfer
NOMINAL INSIDE DIAMETER	DN 9.5
CONNECTION 1 SIZE	12 mm Tube O.D.
APPLICATION	Mobile Equipment
MAXIMUM OPERATING PRESSURE	420 bar
MINIMUM FLUID TEMPERATURE	-40 °C
APPLICATION	Oilfield
APPLICATION	Fuel Transfer
CONNECTION 2 SIZE	12 mm Tube O.D.
SHAPE	Elbow 90°
APPLICATION	Hydraulics
INDUSTRY	Material Handling
FOR FLUID TYPE	Gases
INDUSTRY	Industrial Manufacturing Equipment
INDUSTRY	Agriculture
INDUSTRY	Transportation
FOR FLUID TYPE	Fuels
CONNECTION 1 TYPE	24° Cone
FOR FLUID TYPE	Steam
INDUSTRY	Marine
CONNECTION 2 TYPE	24° Cone
CONNECTION 1 TYPE	Male
SEAL TYPE	Sealing Edge