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: DG101/12SHDOMDCF
SHAPE: Straight
CONNECTION 1 SIZE: 12 mm (O.D.)
CONNECTION 1 TYPE: Male 24° Cone
ACCESSORIES INCLUDED: n/a
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 minerl 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

DIVISION	High Pressure Connectors Europe Division
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MAXIMUM OPERATING PRESSURE	420 bar
FOR FLUID TYPE	Hydraulic Fluids
FOR FLUID TYPE	Chemicals
FOR FLUID TYPE	Fuels
FOR FLUID TYPE	Steam
FOR FLUID TYPE	Gases
INDUSTRY	Construction
INDUSTRY	Material Handling
INDUSTRY	Agriculture
INDUSTRY	Marine
INDUSTRY	Industrial Manufacturing Equipment
INDUSTRY	Automotive
INDUSTRY	Transportation
SPECIFICATIONS MET	ISO 8434
SHAPE	Straight
APPLICATION	Mobile Equipment
APPLICATION	Packaging
APPLICATION	Fuel Transfer
APPLICATION	Oilfield
APPLICATION	Hydraulics
APPLICATION	Chemical Transfer
BRAND	Ermeto
TECHNOLOGY	Fluid & Gas Handling
PRODUCT STYLE	Rotary
CONNECTION 1 SIZE	12 mm Tube O.D.

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