

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: DG104/12SMHDCF

ACCESSORIES INCLUDED: Pre-assembled with Nut and EO-PSR Cutting Ring

SHAPE: Elbow 90°

CONNECTION 1 TYPE: Male 24° Cone

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

CONNECTION 2 SIZE: M18x1.5

CONNECTION 2 TYPE: Male Metric

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

DIVISION	High Pressure Connectors Europe Division
PRODUCT STYLE	Stud Fitting
DIVISION	High Pressure Connectors Europe Division
MINIMUM FLUID TEMPERATURE	-40 °F
ACCESSORIES INCLUDED	Pre-assembled with Nut and EO-PSR Cutting Ring
NOMINAL INSIDE DIAMETER	DN 10
TECHNOLOGY	Fluid & Gas Handling
SPECIFICATIONS MET	ISO 9974
MAXIMUM FLUID TEMPERATURE	300 °C
PRODUCT STYLE	Rotary
PRODUCT TYPE	Hydraulic DIN Fittings
SEAL MATERIAL	NBR
CONNECTION 1 SIZE	12 mm Tube O.D.
MAXIMUM FLUID TEMPERATURE	572 °F
MINIMUM FLUID TEMPERATURE	-40 °C
CONNECTION 2 SIZE	M18x1.5 mm Thread
BODY MATERIAL	Steel
CONNECTION 2 TYPE	Male
INDUSTRY	Automotive
CONNECTION 1 TYPE	Male
APPLICATION	Packaging
SEAL TYPE	ED Seal
CONNECTION 2 TYPE	Metric
BRAND	Ermeto
MAXIMUM AMBIENT TEMPERATURE	572 °F
PRODUCT SERIES	EO Heavy

INDUSTRY	Construction
CONNECTION 1 TYPE	24° Cone
APPLICATION	Oilfield
FOR FLUID TYPE	Steam
INDUSTRY	Agriculture
CONFIGURATION	Tube to Port
MAXIMUM AMBIENT TEMPERATURE	300 °C
FOR FLUID TYPE	Fuels
INDUSTRY	Transportation
MINIMUM AMBIENT TEMPERATURE	-40 °F
APPLICATION	Chemical Transfer
FOR FLUID TYPE	Chemicals
INDUSTRY	Industrial Manufacturing Equipment
MAXIMUM OPERATING PRESSURE	420 bar
APPLICATION	Mobile Equipment
FOR FLUID TYPE	Gases
INDUSTRY	Material Handling
MINIMUM AMBIENT TEMPERATURE	-40 °C
APPLICATION	Fuel Transfer
FOR FLUID TYPE	Hydraulic Fluids
INDUSTRY	Marine
SHAPE	Elbow 90°
APPLICATION	Hydraulics