

SKF MonoFlex dynamic distributors of product series 361

General

SKF MonoFlex single-line distributors of product series 361 are single-port dynamic distributors for MonoFlex single-line centralized lubrication systems for oil and fluid grease lubrication. These single-line distributors are designed for installation in manifolds. The combination of these single-line distributors with 1- to 6-port manifolds provides flexible options for designing the lubrication system on the machine/system requiring lubrication. Manifolds customized for product series 361 are available in an aluminum design.

The available metered quantities are in a range from 0,01 – 0,20 cm³. The distributor bodies have a mark indicating the metered quantity. Depending on the minimum actuating pressure, the single-line distributors can only be used for oil (minimum actuating pressure of 8 bar) or for oil and fluid grease (minimum actuating pressure of 25 bar).

The lubrication point line is connected to the dynamic distributor using a tapered sleeve union consisting of a tapered sleeve and a union nut. Lubrication point lines can be connected that are made of metal pipe, plastic pipe, or hose lines with metal pipe connectors. The diameter of the lubrication point line that will be connected is 4 mm.

The components made of elastomers inside the single-port single-line distributor are made of NBR.



The distributor body of the design for oil is made of brass. The design for oil/fluid grease has a distributor body made of steel (galvanized, Cr6-free). The seal of the internal thread for mounting the single-port single-line distributor in a manifold is available in a flat washer design.

See the following pages for further information on product series 361. Details on accessories for SKF MonoFlex single-line centralized lubrication systems are part of this catalog.

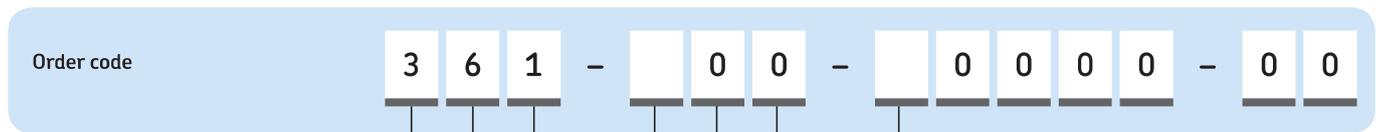
! Note on structure of a single-line centralized lubrication system:

MonoFlex single-line centralized lubrication systems with dynamic distributors can be equipped with a 4/2 directional control valve. The single-line centralized lubrication system must be designed such that the main line is preloaded to approx. 6 bar when the lubrication unit is running. For the lubrication procedure, the 4/2 directional control valve is switched so that the dynamic distributors are suddenly pressurized. This layout allows a significant increase in the lubrication cycle frequency, as required, for example, for chain lubrication when using small chain links or at high chain speeds. This allows lubrication cycle frequencies of up to 5 cycles/second to be achieved using low-viscosity lubricants.

! The configurator on the following page **does not** allow specification of manifolds and distributors in a single order code. The manifolds are listed under Accessories and must be ordered separately.

SKF MonoFlex dynamic distributors of product series 361

Configurator



Product series

Number of metering points (1)

Design code

Design of lubrication point line connection
(00 = tapered sleeve union)

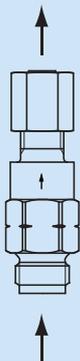
Metered quantity code

Design and metered quantity

| | | |
|-----------------------------------|--|----------------------------|
| Design code | 1 | 2 |
| Lubricant | Oil, fluid grease | Oil |
| ∅ lubrication point line [mm] | 4 | 4 |
| Distributor body material | Steel, galvanized | Brass |
| Metering nipple material | Steel, galvanized | Brass |
| Elastomer material | NBR | NBR |
| Threaded seal material | Flat washer* | Flat washer* |
| Lubrication point line connection | 00 | 00 |
| Metered quantity code | 0,01 0,02 0,03 0,05 0,10 0,20 | - 2 3 4 5 - |

* Flat washer must be ordered separately. Order number: 504-019

Order example

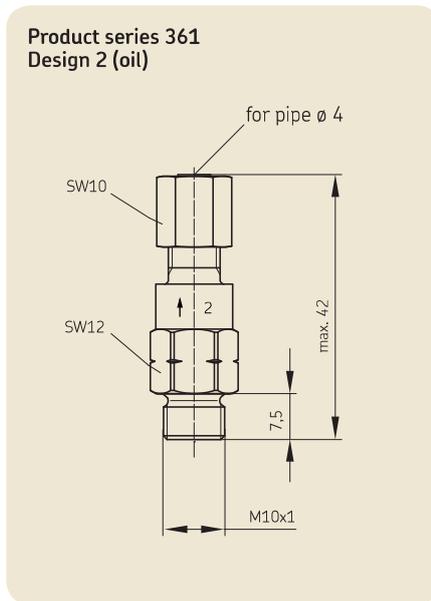
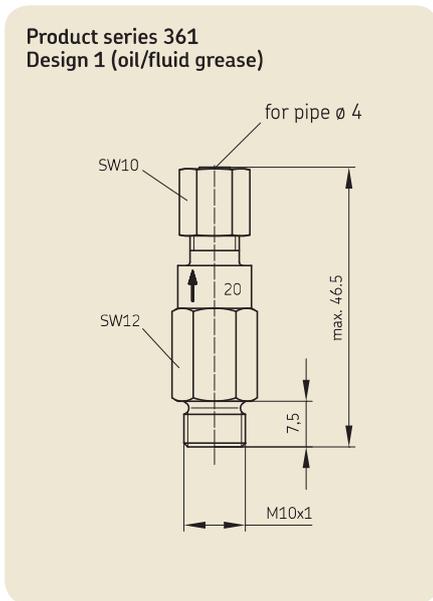


361-200-20000-00

- Single-port single-line distributor for oil
- NBR design
- Lubrication point line connection as tapered sleeve union for pipe ∅ 4 mm
- Metered quantity = 0,02 cm³
- With flat washer seal on internal thread

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Dimensions



Technical data

Product series 361

| Lubricant | Metering quantity [cm ³] | Operating pressure [bar] | | Relief pressure [bar] | Operating temperature [°C] |
|--|--------------------------------------|--------------------------|------|-----------------------|----------------------------|
| | | min. | max. | | |
| Mineral and synthetic oil 100 – 1 000 mm ² /s and fluid grease of NLGI Grade 000, 00; compatible with NBR, brass, steel | 0,01 – 0,20 | 25 | 80 | ≤ 1 | 0 – 80 |
| Mineral and synthetic oil 10 – 500 mm ² /s; compatible with NBR, brass, steel | 0,02 – 0,10 | 8 | 40 | max. 3 | 0 – 80 |

Mark on metering nipple

| Metered quantity [cm ³] | Mark |
|-------------------------------------|------|
| 0,01 | 1 |
| 0,02 | 2 |
| 0,03 | 3 |
| 0,05 | 5 |
| 0,10 | 10 |
| 0,20 | 20 |

Tightening torque for assembly

| Distributor | Seal | Tightening torques [Nm] |
|------------------|-------------|-------------------------|
| 361-xxx-x0000-00 | Flat washer | 10 |