Ortlinghaus SEIT 1898
DIE TECHNIK DER KONTROLLIERTEN MOMENTE

Technical Product Information No. 550 EN

Oil inlet, 1 channel
Series 0 086 - 010

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About this Technical Product Information (TPI)

Who is this TPI directed at?

This TPI is directed at qualified personnel who
– are entrusted with the assembly, commissioning and operation of the product and who
– have obtained the necessary qualifications by reading and understanding the instructions by training or instruction

It is intended for
– Fitters at the manufacturer of the machine / plant
– Maintenance fitters at the machine users.

What will you find in the TPI?

The TPI provides all the necessary information for the assembly and maintenance of the product described on the title page

Notes on the symbols used in the text

On the pages which follow, important sections of text are highlighted with the following symbols.

This symbol means:
There is a risk of injury during the activity described or in operational running!

This symbol means:
There is a risk of material damage during the activity described or in operational running!

This symbol indicates sections of text to which particular attention must be paid.

The Ortlinghaus numbering system

Example: 0 111 - 222 - 33 - 444 555

0 = Code for products
Code number for the model rage
Code number for design features
Size
Sequencial number
Other design features

Pass this TPI on to your customers ! You can either order further copies of this TPI from us or you are free to make copies, for use by your customers.

Design variation

0 086 - 010 - 0 . - 160 000

1	size of connections	G 3/8 A
2		G 1/2 A
3		G 3/4 A
4		G 1 A

Delivered state

All units are fully tested for operational efficiency and leakage before delivery. The oil inlets are supplied fully assembled.

supply covers:

- oil inlet
- short elbow
- O-ring

Transport

Avoid hard impacts during transport which might damage the bearings or electronic flange mountings.
Any dirt to come into the oil inlet must be avoided.

Initial assembly and commissioning

From our own experience we have learned that the installation of new units must be carried out with the utmost care and cleanliness. Any leakage's developing shortly after commissioning are, almost without exception, due to contaminated working fluid. It is therefore important to flush out all new pipes, tanks, valves etc. , before fitting them to the system.

It is not necessary to fit a torque arm to prevent the body of the oil inlet from turning, since a free-running balanced sliding seal is fitted. It is essential to fit a flexible connecting piece to allow for misalignment (fig. 1). Hoses should be rated at 120 bar nom. The use of stiff pipe connections is **not** permitted.

To avoid damage to bearings

the oil inlet must not be held in a vice, and should be assembled by the following method. Grip the hose or elbow in the vice, and screw on the rotor of the oil inlet, using the appropriate spanner. The rotary inlet is screwed in using a "c" spanner (DIN 1810 form B, with pins).

Assembly

- The oil inlet can be mounted as shown in fig. 2 in the shaft-end counterbore. The 'O' ring must be compressed either by a cover plate or lugs holding the inlet against the bottom of the counterbore.

- The oil inlet can also be arranged as shown in fig. 3, with the rotor screwed into the shaft-end. The run-out between the end face and the threaded diameter of the shaft **must be less than 0,03 mm**. The arrangement described in Fig. 2. Above is considered the better of the two systems.

- The flexible hose should be connected to the supply line via a 45° elbow, and a screwed pipe connection. Fig. 1 illustrates the use of a 45° elbow to create the slight bend in the flexible line, which helps ensure that there is no tension in the flexible line both at full press and at atmospheric pressure. Please note: All connections etc. are only finger tight (for case of installation). Please ensure that they are fully tightened on installation.

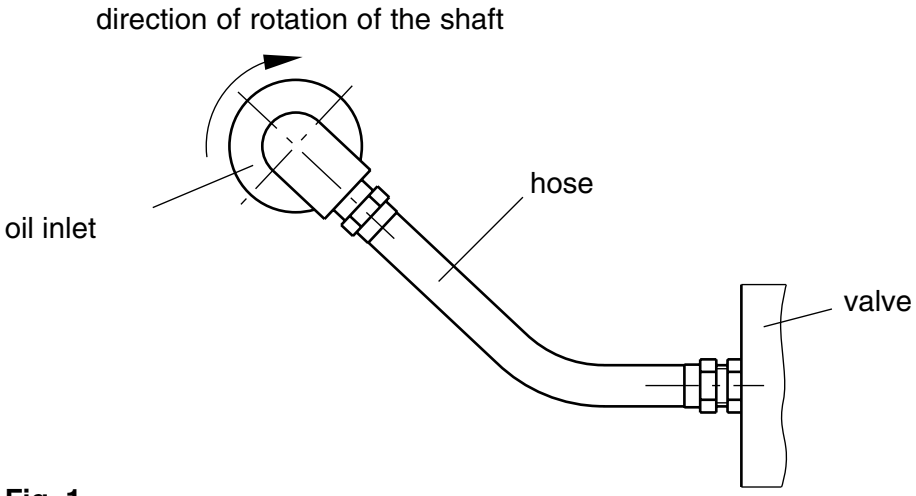

Fig. 1

Engagement and delay times as stated in the calculation are applicable for pipes up to 500 mm length (nominal width according to oil inlet).

Filtering

The filtering of the working fluid has a strong effect on the working life of the seals. The filter fitted is approximately 10 micron grade.

Maintenance

We will undertake to repair any units returned to us. Any units repaired 'in house' will thereafter carry their full guarantee. Repairs are carried out as quickly as possible, and are charged according to labour and materials used. If the repair costs appear likely to exceed 60% of the value of the item, we normally recommend replacement.

Variant forms of execution

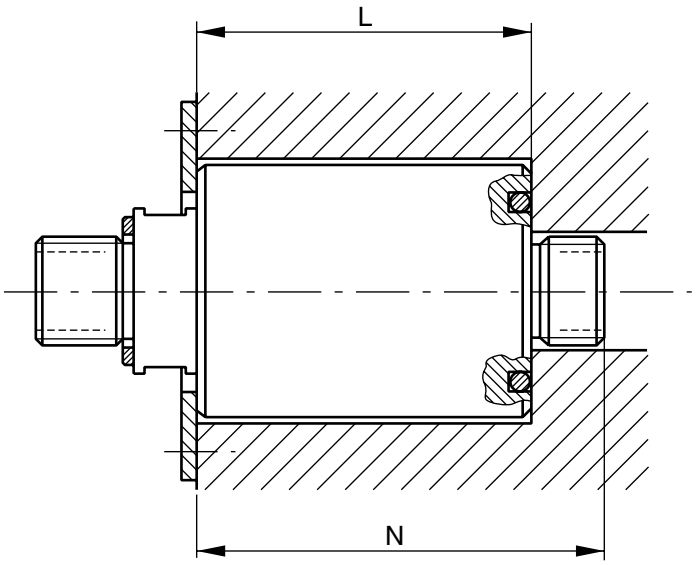

Fig. 2

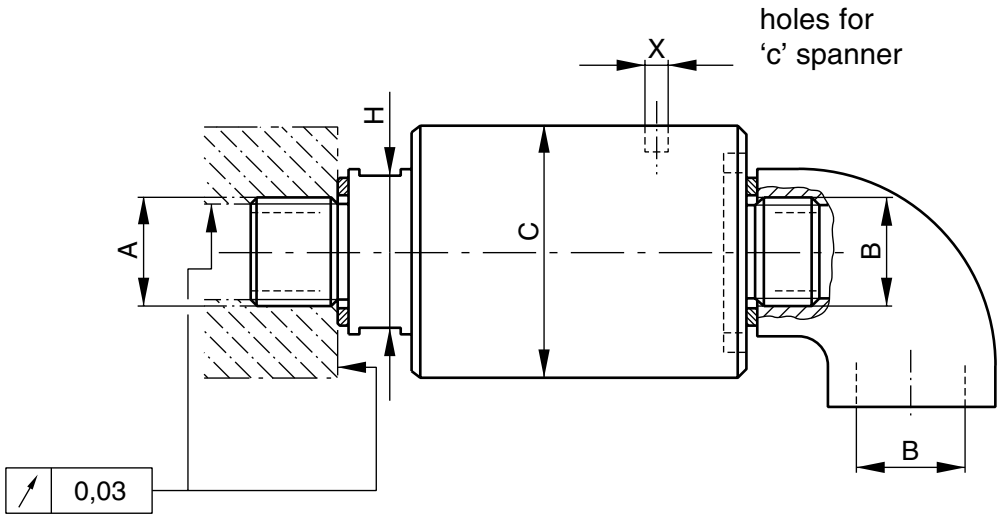

Fig. 3

Series number	**A**[1] Rotor-thread	**B**[2]	**C**	**H** SW	**L_{h11}**	**N**	**X**	**Spanner** DIN 1810
0 086-010-01-160 000	G 3/8 A	G 3/8 A	42	19	54,5	67	4	B 40-42
0 086-010-02-160 000	G 1/2 A	G 1/2 A	55	24	60,5	75	6	B 52-55
0 086-010-03-160 000	G 3/4 A	G 3/4 A	63	30	71,5	88	6	B 58-62
0 086-010-04-160 000	G 1 A	G 1 A	80	36	78,5	97	6	B 80-90

[1]) Tube thread G . . . A as per ISO 228/I and/or BS 2779.