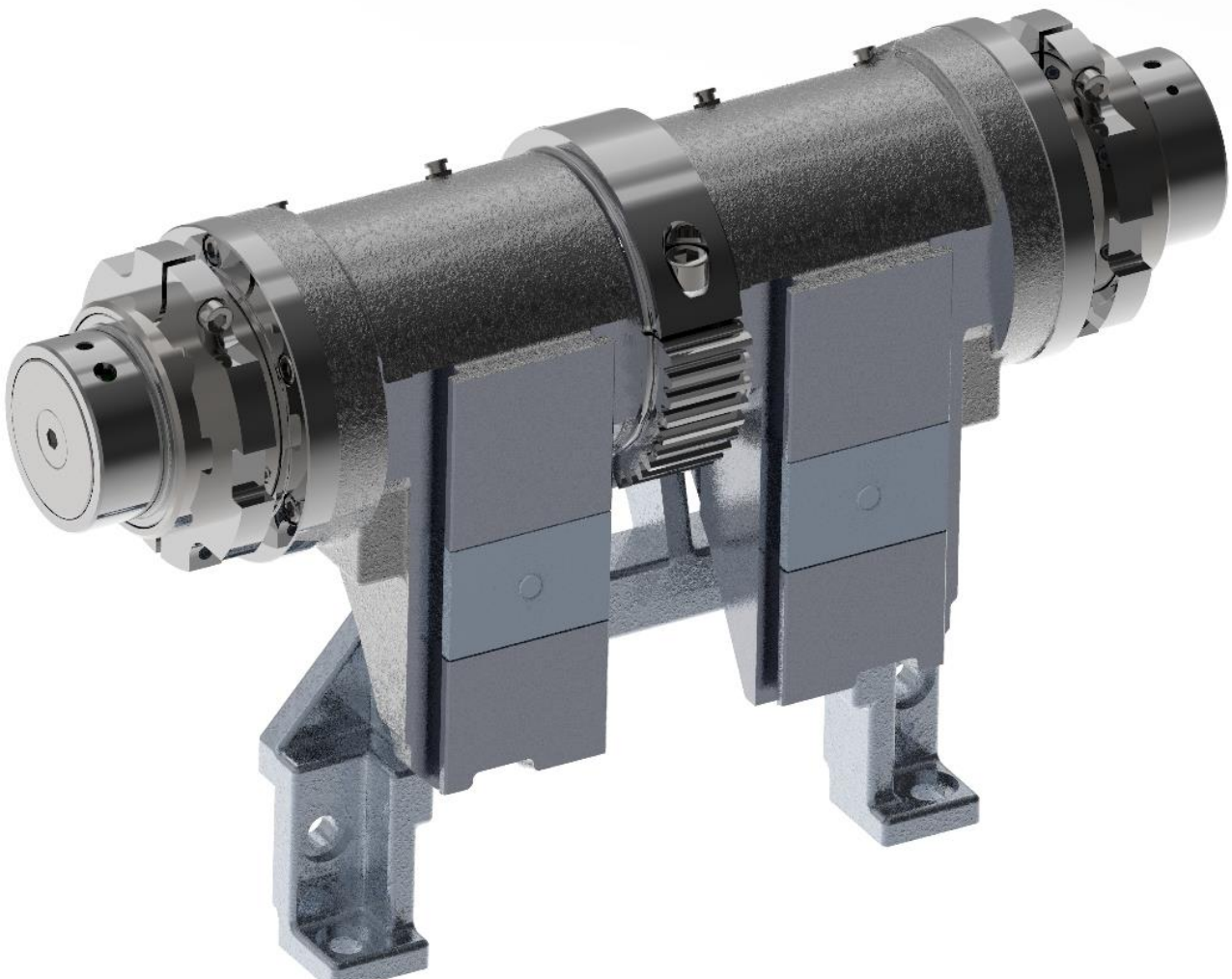


# Technical News Bulletin

Steinhausen, November 2022

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**Roller Bearing Neck Ring  
Mechanism for O-I legacy  
machines**

- Roller bearings ensure extended service life
- Internal sealing for higher efficiency
- Improved performances

## Introduction

The Roller Bearing Neckring Mechanism for type E, F and LSG machines has been developed to comply with the demand for increased performances, improved serviceability and reduced air consumption.

The Roller Bearing Neckring mechanism is available as option to the conventional Neck Ring mechanism OIS-01809 and is fully interchangeable on every existing type E, F and LSG machine.

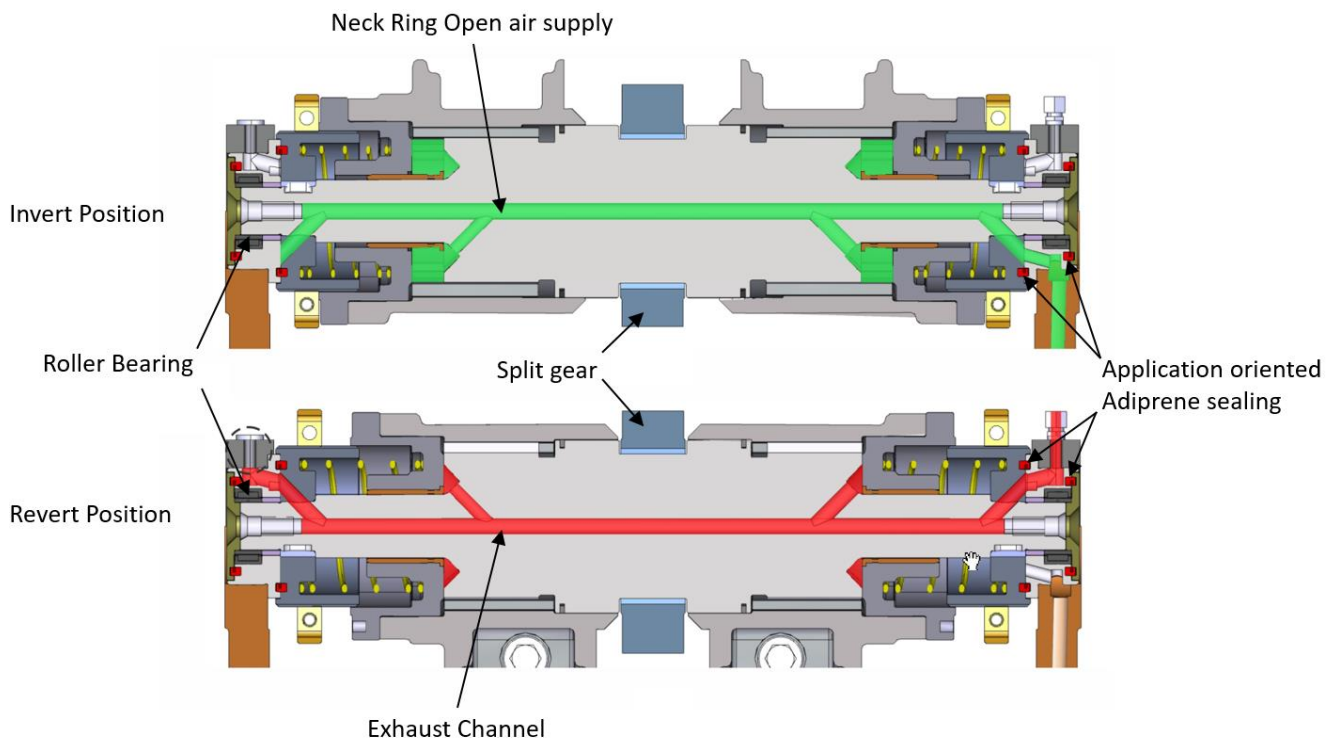
The Roller Bearing Neckring Mechanism for O-I legacy machines can only run in conjunction with the O-I locating bracket.

## System Description

The Neckring mechanism has been designed in order to allocate two roller bearings ensuring a smooth motion during the parison's handling from blank to blow molds and to allow for higher performances by reducing friction and dynamic loads

In addition to the roller bearing application further improvements have been achieved:

- ✓ Improved sealing.
- ✓ The Neckring mechanism is self-centering in between the bracket inside faces.
- ✓ Increased spring force.
- ✓ Enlarged exhaust channels.
- ✓ Auxiliary NR open on blank side.
- ✓ The blow bracket caps are now independently machined from the bracket.
- ✓ The split gear design simplify the mechanism maintenance.



## Specification

The Roller Bearing Neckring mechanism is available for sales with part number **210-2064-7** for type E, F and LSG machines and for all center distances.

## Installation Requirements

Retrofit to 210-2064-7 are possible ordering the conversion kit **210-2064-6**.

Since the Roller Bearing Mechanism 210-2064-7 is sealed to minimize air leakages, the 26 lines valve block must be adapted by replacing the existing needle for Neckring open adjustment with the fine needle 210-2102-4 to operate ad low pressure.

Wear plates installed on the blow mold bracket for the installation of the previous Neckring mechanism are not required anymore and must be removed.

### Features

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Roller bearing

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Center guided mechanism

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Improved air sealing

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Split gear

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Bracket independent caps

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### Benefits

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Extended service life, smoother dynamics

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Faster installation/replacement

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Less leakages, less air consumption, balanced NR opening, increased performances

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Increased maintainability, mechanism can be repaired.

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Easier spare parts handling

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