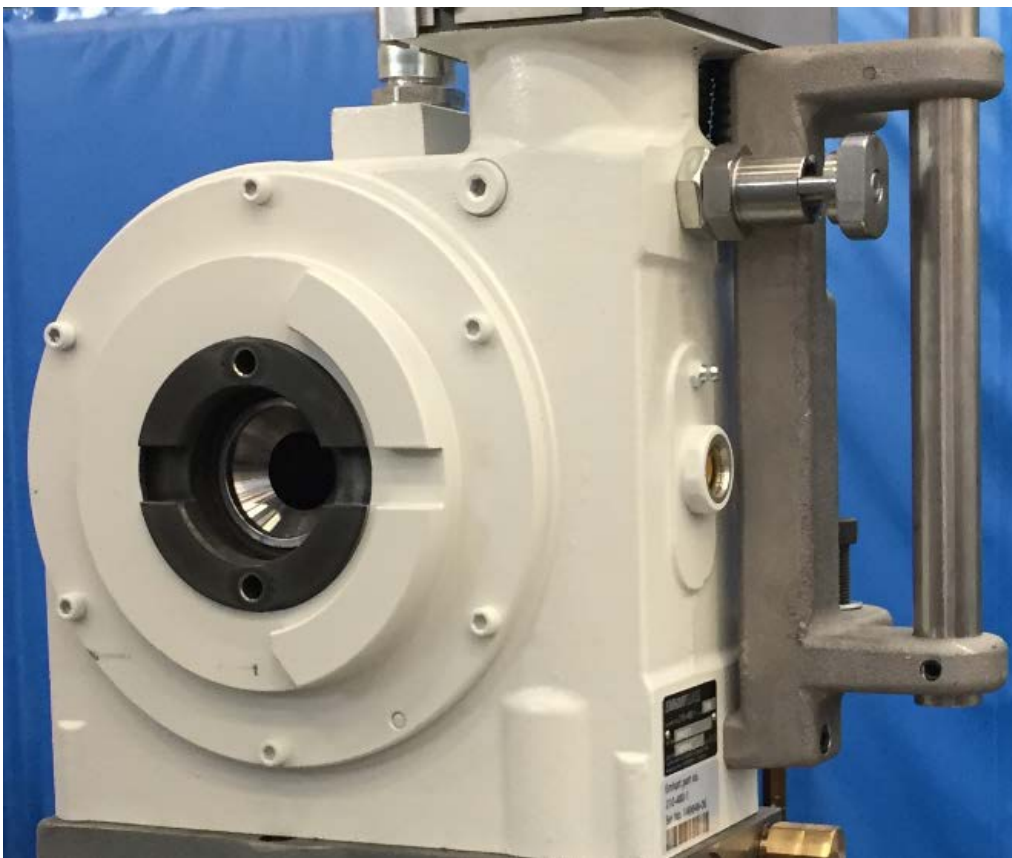


Technical News Bulletin

Steinhausen, October 2016



Servo Electric Take Out Spare Parts

- SETO employs a straightforward mechanism design.
- Provides the appropriate balance between takeout motion and increased mold contact time.
- Reliable and efficient ware handling provided by the Servo Electric Takeout.

Introduction

The Bucher Emhart Glass Servo Electric Takeout Mechanism (SETO) was introduced in 2003 and is a well proven design and has become an industry standard. It is designed to meet the Glass Industry requirements for precise and stable ware transfer from the molds to the conveyor dead plate. Newly formed containers are very susceptible to defects. This makes a controlled takeout motion critical for the ware handling process.

The SETO employs a straightforward mechanism design. In combination with Bucher Emhart Glass Servo control it makes the takeout motions precise and repeatable. The AC Servo control allows optimizing the speed and profiles of the takeout IN and OUT motions for each different container. This provides the appropriate balance between takeout motion and increased mold contact time.

The reliable and efficient ware handling provided by the Servo Electric Takeout is another way that Bucher Emhart Glass is making the Glass Industry more productive.

System Description

Information regarding the SETO gearbox to clarify spare parts identification and specification on installed base. The Servo Take out gear box 210-480-1 was introduced in January 2003. From January 2012 the Gear box was updated. As a complete gearbox it was a 1:1 replacement, but components within the gearbox assembly are different and this TNB is to inform of differences. Having sub-components different has caused logistic problems when receiving requests for spare parts. To improve the situation we like to inform about the differences between the two gearboxes and how to identify which one is which.

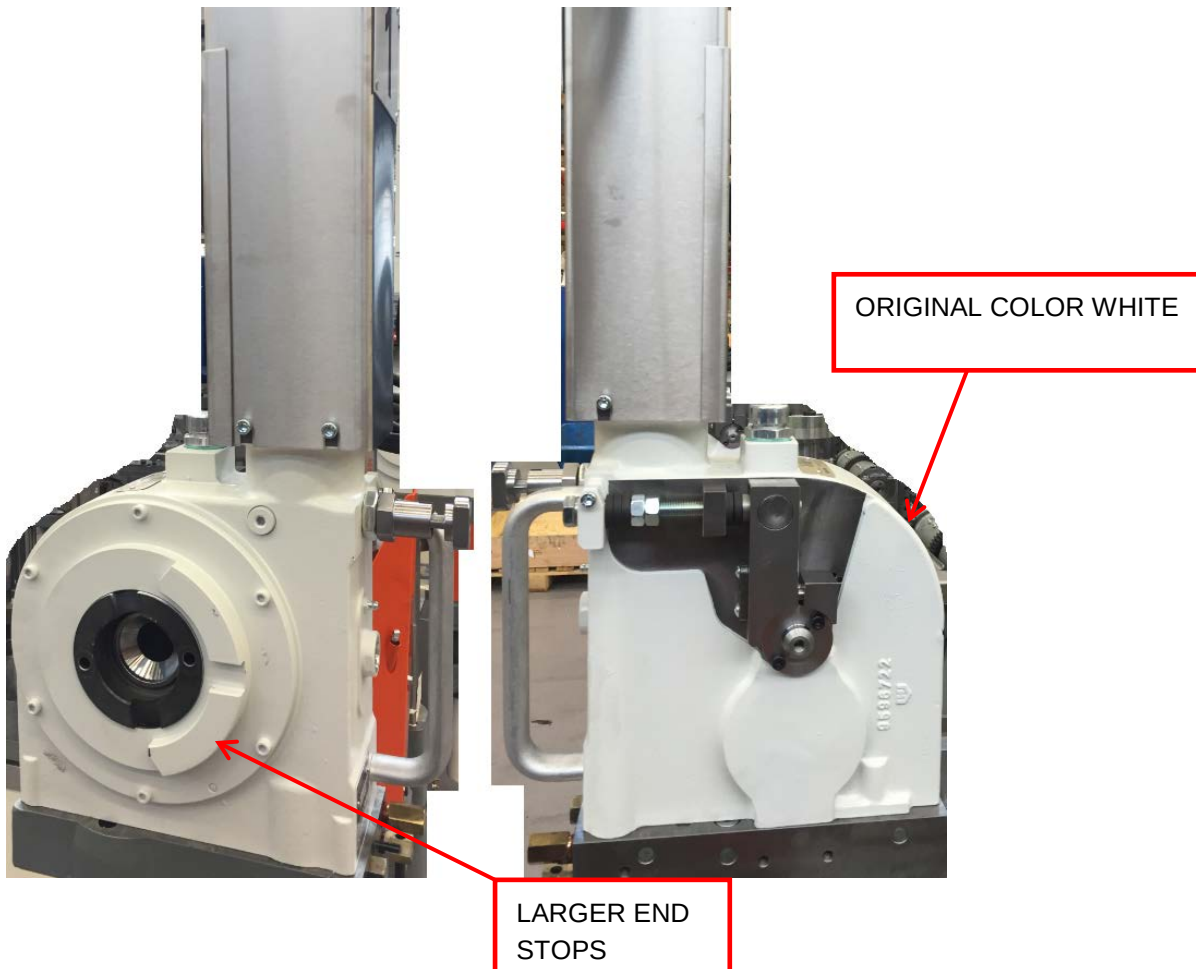
For spare parts orders and further communication contact Bucher Emhart glass Sales.

See following pages for identifying the two versions.

Below showing pictures of SETO gearbox Version 1 delivered between Jan 2003 to Jan 2014



Below showing pictures of SETO gearbox Version 2 delivered from Jan 2012 and to this date.



Serial number and Manufacturing number plate

Documentation specifying replacements:

SETO (Servo Electric Take Out)	Part Number
210-480-1 Gearbox complete from 2003 to 2012 Jan replaced by:	210-480-03
ED-7295 Gearbox complete from 2008 to 2012 Jan replaced by:	210-480-04 (210-480-02 for ref)

Spare parts for 210-480-1 from 2003 to 2012 & ED-7295 from 2008 to 2012	Part Number
OIL LEVEL GAUGE GLASS	59-18072
SLEEVE	210-12701
LEVER	210-475-01
VENT SCREW	210-487-01
NOSE SPRING PLUNGER	210-478-01
NUT	210-12197
COUPLING	59-19554
HEXNUT M10	1180-3318
HEX XOC PIPE PLUG G1/8	2260-1095
HEX SOC SET SCREW M10x40	2640-5177
LUBRICATION FITTING NPTF 1/8	1780-30
NOSE SPRING PLUNGER	210-478-01
PIPE PLUG R1/4	2260-1043
SOCHD SCREW M6x30	2640-1563
SOCHD SCREW M6x35	2640-1840
COVER, MOTOR	210-12349
COVER, MOTOR	210-12429
HANDLE	59-94637
SOCHD SCREW M6x12	2640-1718
SOCHD SCREW M6x20	2640-1719

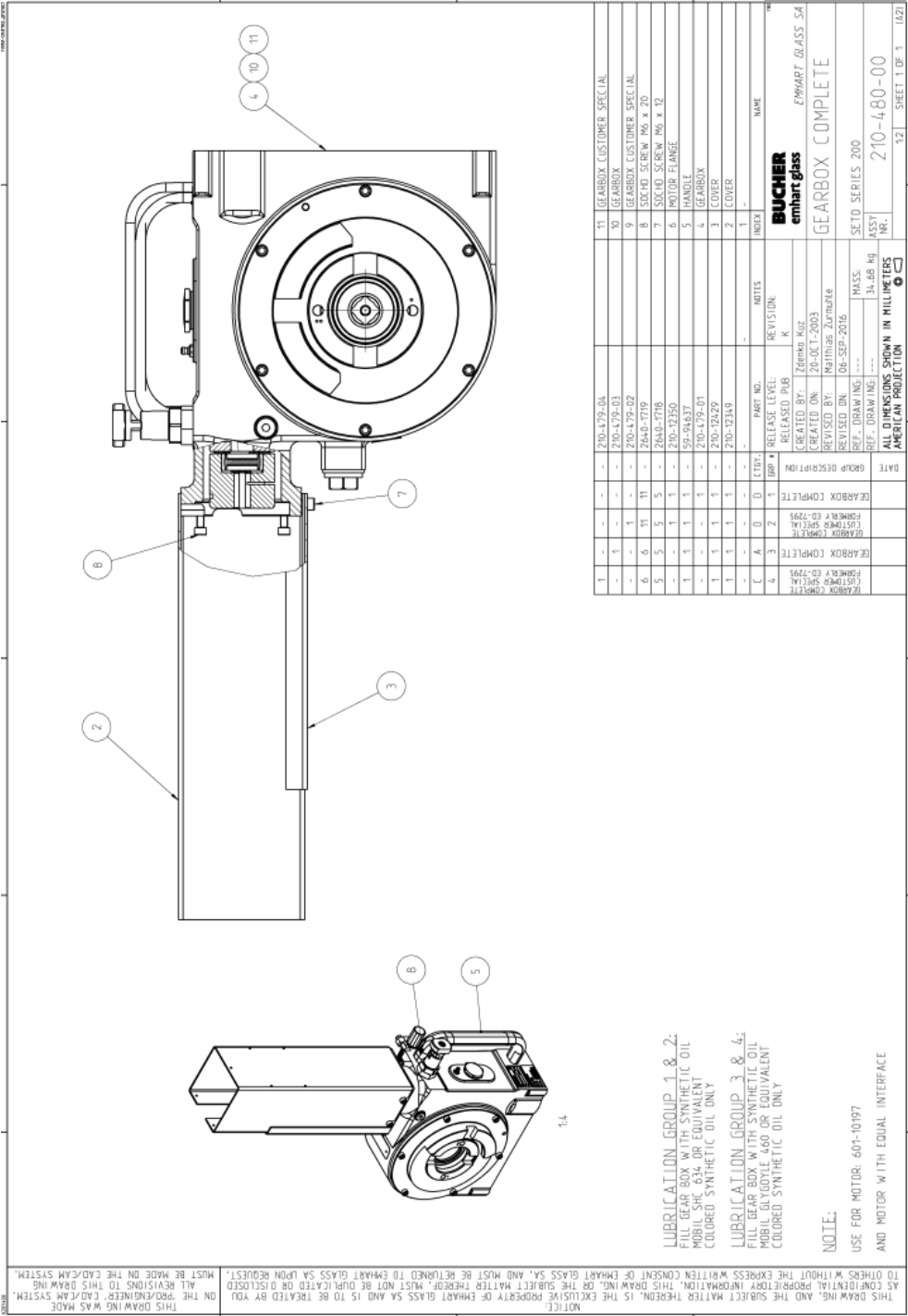
SETO (Servo Electric Take Out)	Part Number
210-480-1 Gearbox complete from 2012 and onward replaced by:	210-480-03
ED-7295 Gearbox complete from 2012 and onward replaced by:	210-480-04

Spare parts for 210-480-1 & ED-7295 from 2012 and onward Parts represented on drawing 210-479-03	Part Number
LEVER ASSEMBLY	210-475-02
AIR PLUG	59-27877
OIL LEVEL GLASS	59-27875
SPRING PLUNGER ASSY	210-478-02
SEALING KIT	59-27879
COUPLING	59-19554

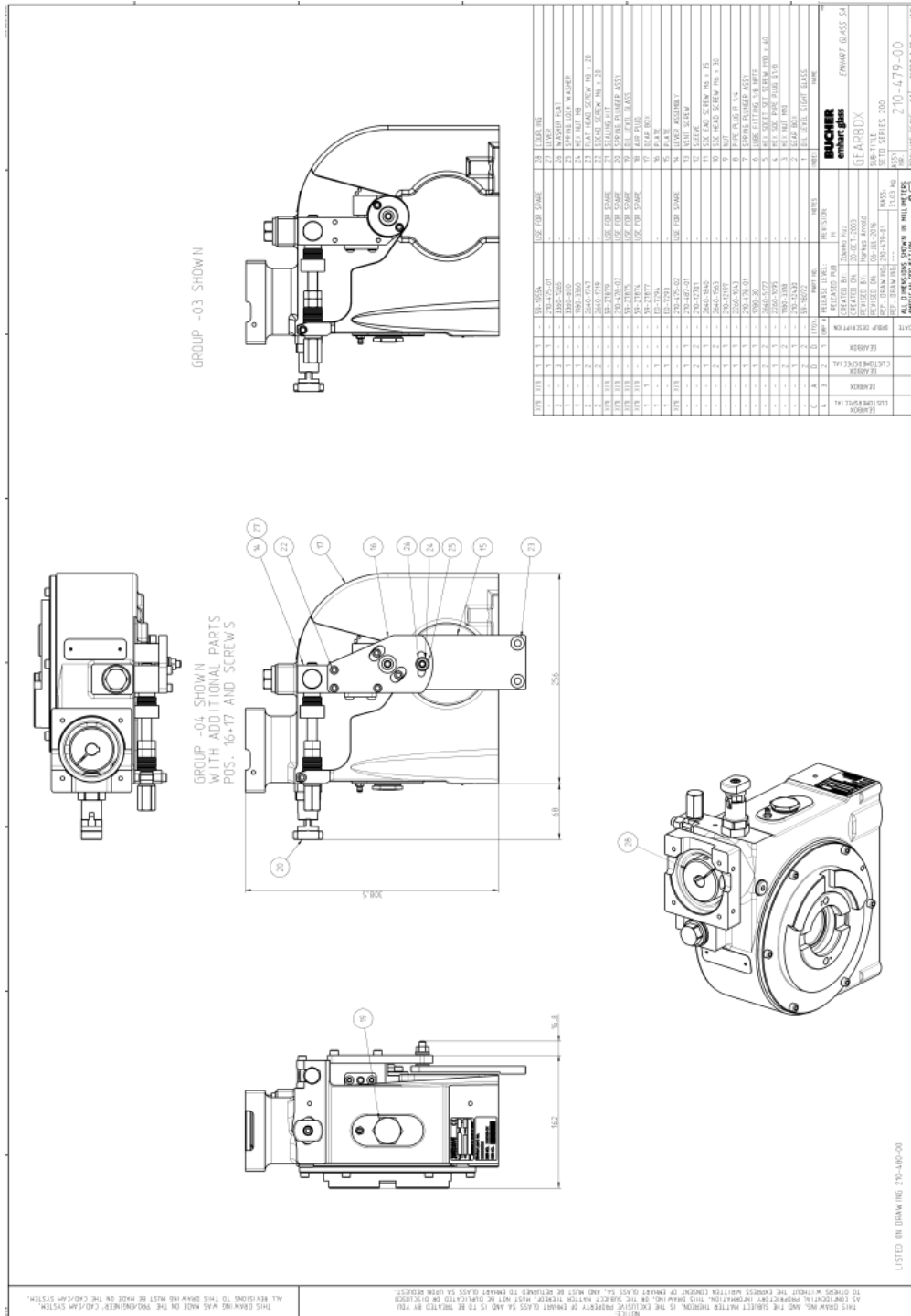
For reference:

TNB093 SETO (Servo Electric Take Out)

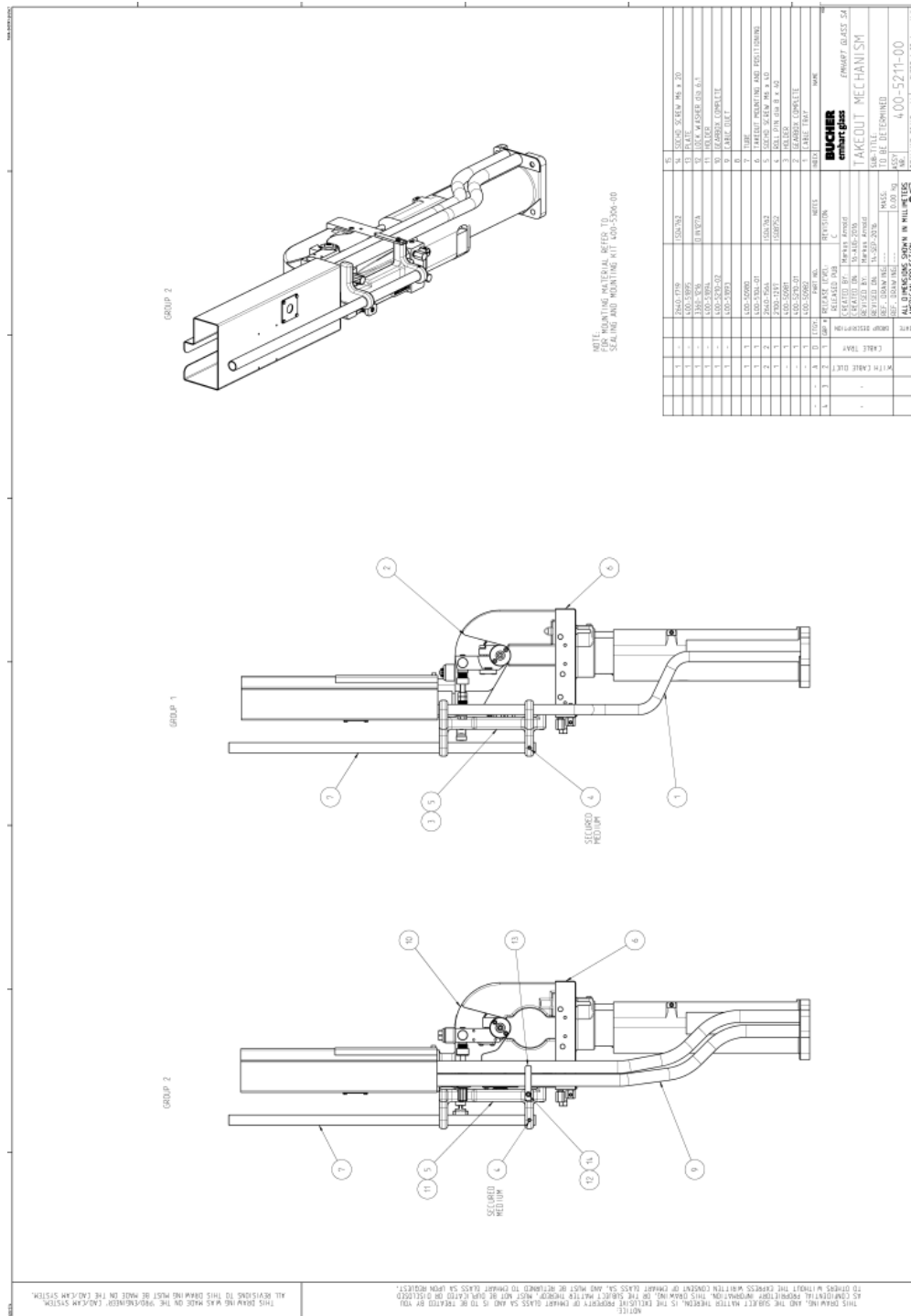
IS/AIS machine



Gearbox



NIS machine



NIS machine

