

**Subject:** Alternative rim for main wheel

**Applicability:**

<b>ASW 24</b>	Type-Certificate LBA 366	all serial numbers
<b>ASW 24 E</b>	Type-Certificate LBA 859	all serial numbers
<b>ASW 27</b>	Type-Certificate EASA.A.220	all serial numbers
<b>ASW 28</b>	Type-Certificate EASA.A.017	all serial numbers
<b>ASW 28-18</b>	Type-Certificate EASA.A.017	all serial numbers
<b>ASW 28-18 E</b>	Type-Certificate EASA.A.034	all serial numbers
ASW 27-18 ( <b>ASG 29</b> )	Type-Certificate EASA.A.220	all serial numbers
ASW 27-18 E ( <b>ASG 29 E</b> )	Type-Certificate EASA.A.220	all serial numbers

**Classification:** Minor Change

**Urgency:** optional

**Reason:** The rim Tost Penta 125 – 1¼“ can be installed instead of the rim specified in the Maintenance Manual (Cleveland 40-78B).

**Action:** For the Tost-rim a tyre tube with short valve must be used, for the Cleveland-rim a tyre tube with long valve must be used.

For every rim model there is an appropriate set of space bushings, which are threaded onto the axle on both sides of the wheel. Whenever the rim models are exchanged, the space bushings have to be replaced. Exceptions see below.

The brake calliper retains unchanged.

**Material and Drawings:**

For the Tost-rim:

Part no	Pcs	Denomination	Remark
99.334.0058	1	Distanzbuchse I (right) für Tost Penta 125-1¼“	Length 24.5 ± 0.1 mm Outer Ø 40 mm
99.334.0059	1	Distanzbuchse II (left) für Tost Penta 125-1¼“	Length 33 ± 0.1 mm Outer Ø 40 mm
	1	Tyre tube with short valve	

When changing from the Cleveland- to the Tost-rim, alternatively the left space bushing can be kept, and the right space bushing can be trimmed to a length of 24.5 ± 0.1 mm. The left and right space bushings then have to add up to a total length of 57.5 ± 0.2 mm.

For the Cleveland-rim:

Part no	Pcs	Denomination	Remark
99.334.0055	1	Distanzbuchse I (right) für FW	Length 25 ± 0.1 mm Outer Ø 45 mm
99.334.0056	1	Distanzbuchse II (left) für FW	Length 33 ± 0.1 mm Outer Ø 45 mm
	1	Tyre tube with long valve	

For the Cleveland-rim the space bushings on both sides of the rim have to have an outer diameter of Ø 45 mm, since their outer surface contacts the felt ring of the rim and seals the bearings.

**Mass and Balance:**

The change in mass and C. of G. position is negligible.

**Notes:**

The structural measures must only be accomplished by the manufacturer Alexander Schleicher or by qualified staff according to applicable law (European Union Commission Regulation (EC) 1321/2014 Part M).

All actions have to be inspected as complex maintenance by certifying staff according to M.A.801 (EC 1321/2014) and have to be certified in the sailplane inspection documents and in the sailplane logbook.

In countries outside the scope of EC 1321/2014 the corresponding national rules shall apply.

Poppenhausen, 07.11.2019

**Alexander Schleicher**

GmbH & Co.

i.A. 

(P. Anklam)

This Technical Note bases on a change, which was approved by EASA under the minor change approval EASA 10036183.