

This release support is manufactured in cooperation with Gomolzig company. It is suitable for those tugs of the type Cessna 172 and their types B / C / D / E / H / J / K / L / M / N / P, which are certified for towing, applicable type certification no. 539, from the Luftfahrt-Bundesamt. Also for the Cessna 172 FR and their types E / F / G / H / J / K, applicable type certification no. 739, from the Luftfahrt-Bundesamt.

The type support is a tube construction from steel LW 1.7734.4, argon-arc welded, the surface is varnished. Length of the support - without release = 740 mm, mass without release = 1700 g. Safe operating load 7,5 kN.  
Delivery with EASA Form 1.

The support is constructed for installation of the Tost release E 85, p/n 014100. Type Certificate Data Sheet No. 60.230/1, weight 520 g, maximum cable load 14,1 kN. Delivery with EASA Form 1.

An operating cable in the form of a Bowden cable is included in the ship set. The Bowden cable can simply be fixed to suitable points on the fuselage; it need not be led over deflecting pulleys. Operating cable length is 10 meters. One end of the cable is finished with an eyelet and an adjusting screw, while the other end is left unfinished. The thimble and sleeve are included separately, so the customer can adjust the length precisely by himself.

### **Installation instructions**

Mounting of the release support onto the fuselage see pictures.

**Before mounting the Bowden cable**, lubricate the inside of the Bowden spiral casing with MoS<sub>2</sub> (Liqui Moly or similar lubricant), using a pressure-feed oil gun. Force the lubricant through the whole spiral and then feed the Bowden cable through. This lubrication is essential to avoid increased frictions. High friction could prevent the release from locking completely and could thus result in the release opening prematurely during towing.

The Bowden cable must have at least 5 mm "end play" (extra length), to ensure complete locking of the release. Premature automatic releasing under load can only occur if the release is incompletely locked (see hints in the E 85 Release Operating Manual).

For a first-time mounting of a tow support to the aircraft the workshop in charge of the installation has to reinforce the aircraft structure if necessary.

## **TOST GmbH Flugzeuggerätebau München**