

Modification of Schempp-Hirth double seaters to Tost 5" Penta disk brake wheel

New wheel option to improve the brake force and to reduce the weight in Schempp-Hirth double seaters: Installation of a hydraulic 5" Penta disk brake wheel. In the approval the following aircraft types are listed:

Duo Discus, Duo Discus T (all variants)

Arcus (all variants)

Nimbus 4-DT and Nimbus 4-DM

The installation of the Penta wheel will reduce the weight of the non-supporting parts by 1500 g when a Tost disk brake wheel is installed. In case of a Behringer wheel the brake force will be increased additionally.

The retrofit can be performed and released in the context of the **Pilot-Owner-Maintenance** according to M.A.803.

Advantages

- Improved brake force
- Vented brake disk
- Wheel halves with asymmetric split for easy tire mounting and demounting
- Little modification effort with great result
- Weight reduction of non supporting parts
- Position of centre of gravity unchanged
- Scope of delivery of the complete retrofit kit:
5" Penta disk brake wheel 135-30, weight-optimised axle, bushings, hydraulic hose, brake assembly where necessary
- Enclosed documents: Technical Note, detailed working instructions, installation drawing, parts list, copy of Minor Change Approval

- **EASA Minor Change Approval:
10036618**

You can order the kit with the following p/n depending on the wheel installation situation:

051710 or 051720

The Penta wheel is also available as optional equipment when ordering a new Duo Discus or Arcus at Schempp-Hirth.

