

- Subject : Holders for US oxygen cylinders
- Effectivity : Type DG-1000, variants DG-1000S, DG-1000T,
Type DG-500 variants all except DG-500M and MB
Type DG-400,
Type DG-600 variants DG-600M, DG-600/18M
Type DG-800 variants DG-800A,LA, DG-800B, DG-808C
- Accomplishment : Optional
- Reason : For US customers who wish to install oxygen cylinders supplied by the MH company, standard DG holders don't fit.
For two seaters type KF-022 which is a Kevlar fiber-wrapped cylinder or CFFC-022 which is a carbon fiber-wrapped cylinder.
For the single seaters type AL-682 or the smaller AL-415 which are aluminium cylinders.
DG developed and tested special holders for these cylinders.
- Instructions : 1. **Two seaters:**
Install the holder Z221 to the neck of the oxygen cylinder.
Fix the holder to the fuselage using the 2 existing M6 threads in the main bulkhead above the hole for the oxygen cylinder.
2. **Single seaters:**
Remove the glasfibre tube from the hole for the oxygen cylinder.
Tape the underside of the fuel tank with self-adhesive Teflon coated glasfabric tape to protect the tank and its outer copper-foil strips.
Install the holder Z222/1 to the fuselage using the 2 existing M6 threads in the main bulkhead above the hole for the oxygen cylinder.
Slide in the oxygen cylinder, type AL-682 as far as possible, the smaller AL-415 according to the photo on the next page.
Slip the oxygen bottle clamp supplied by MH according to the photo over cylinder and holder so that it matches the grooves in the holder. Tighten the nut of the clamp with 12 NM (8.85 ft*lbs).
Note: For removing the cylinder from the motorglider it is best to disassemble the holder from the main bulkhead instead of opening the clamp.
- Material : 1. holder Z221
Oxygen cylinder type KF-022 or CFFC-022 from MH
2. holder Z222/1
Teflon glass tape DG No. 30003143 or 30003136
Oxygen bottle clamp QR-T-Band-4.5, PIN: CMK-0048-02 from MH
Oxygen cylinder type AL-682 or the smaller AL-415 from MH
All variants: 2 screws M6x20 DIN965-4.8 zn DG No. 50062049
2 rosette (collar) 15x6 MS Ni DG No. 52150040
Note: MH means Mountain High Equipment & Supply Co.
- Weight and balance : Cylinder is located close in front of the C.G., so influence on balance is negligible.
- Remarks : Instructions be executed by the pilot/owner himself and are to be inspected and entered in the aircraft logs by a licensed inspector at latest with the next annual inspection.
- Bruchsal, date:
21. October 2015
Revision 1 20. January 2016
CFFC-022 as alternative to KF-022
- Author: Modifications approved by EASA Date 19.November 2015
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Wilhelm

Installation in single seater

