

ZD Helicopter Factory

Unlike a company like Boeing that has many subcontractors producing large portions of their aircrafts, CHC makes over 99.9% of their helicopters at the ZD factory. The reason why CHC does so much of the manufacturing at ZD is so that it can maintain an extremely high level of quality. The factory produces all the different parts of the helicopters.

To request helicopter parts from ZD you need to fill in the order form. According to the example below, ZD will produce 4 Helicopter templates with the parameters Material, Body Width (B), Body Length (C), Wing Length (D), Paper Clips (K), Folded wing-tips (L), Taped Body (M) and Taped Wings (N) set to their respective levels, see Table 1 in the [Helicopter Experiment](#) description.

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| | Material | B | C | D | K | L | M | N |
|---|----------|----|----|----|----|----|----|----|
| 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 |
| 2 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 |
| 3 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 |
| 4 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 |

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Fig 1: ZD Order Form

Each helicopter part produced at ZD is assigned a unique ID number that can be used to identify its manufacturing date, parameters and other details.

Submit your order(s) as a MS Word/Excel document to ZD at dmitrii@chalmers.se.

Note: ZD shall not in any event be liable for any direct, indirect, punitive, special, incidental, or consequential damages, including, without limitation, lost revenues, or lost profits, arising out of or in any way connected with the wrong assembling of the helicopters.

Dmitrii Zholud, January 01, 2010