

# HHD DELTA RL3-T1-1120-3kg

Article number: A\_00881-T1-FO

Lubricant variant: Food-grade lubricants (FO)



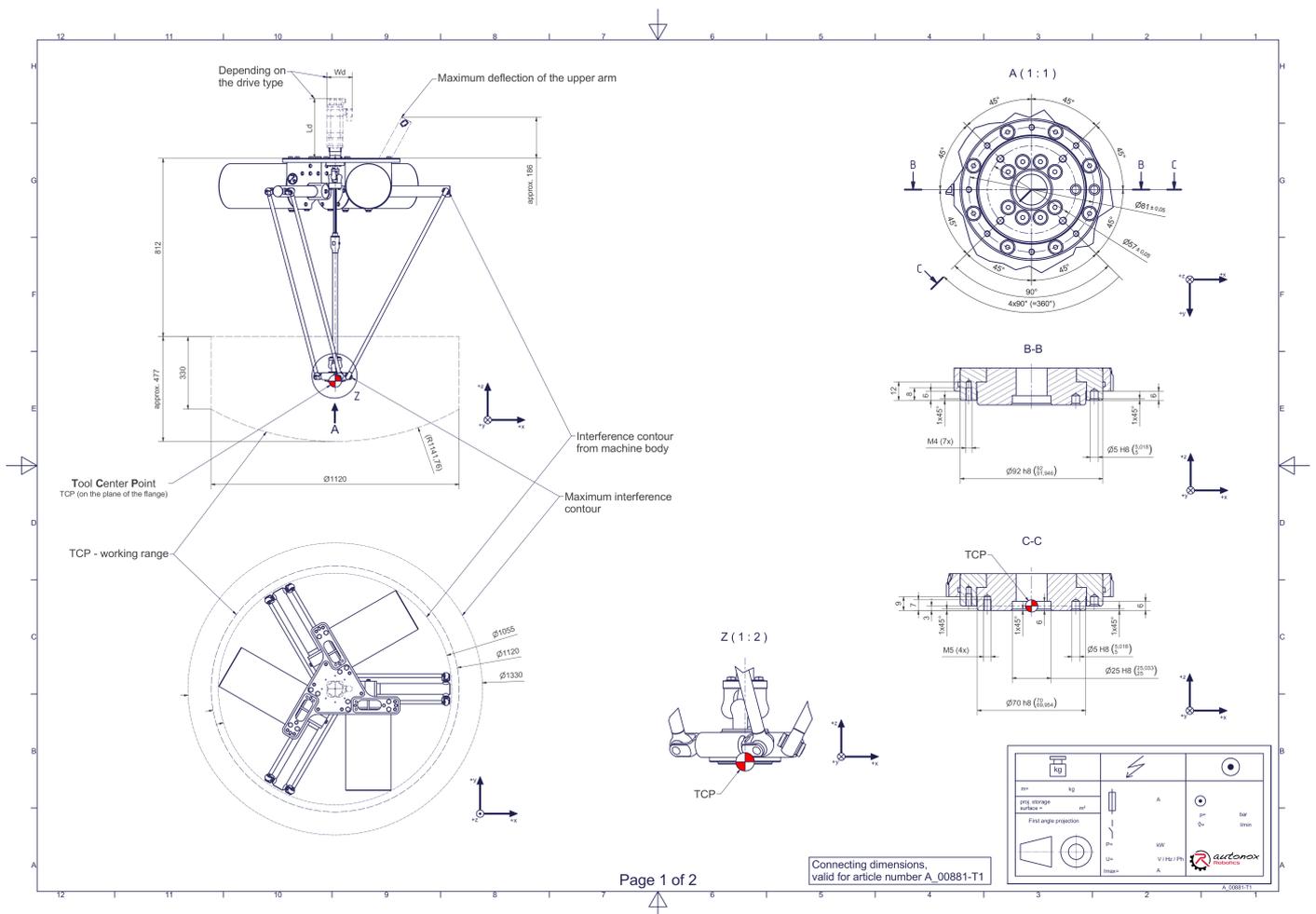
**Description:**

This type of robot is based on the principle of parallel kinematics. All drives are mounted in a fixed position on the robot head. Motor cables are not moved. The robot has three (3) translational degrees of freedom.

**Scope of delivery:**

Robot mechanics incl. gearbox, Servo motor adapter, Transport and packing instructions

**Connecting dimensions:**



**Downloads:** [Connecting dimensions \(PDF\)](#), [3D model \(STP\)](#), [3D model \(PDF\)](#)

We refer to our [General Terms of Sale and Supply](#) and [Terms of use](#).

## Technical specifications:

|  |  |
|--|--|
| Field of application   | Hygienic 'HHD'                                 |
| Kinematics   | Parallel                                       |
| Translatory Degrees of Freedom (X,Y,Z)   | 3  |
| Rotational Degrees of Freedom ( $\alpha,\beta,\gamma$ )                          | 0  |
| Nominal payload [kg   lbs] *   | 3   6.6  |
| Working area-diameter [mm   in]  | 1120   44.1                                    |
| Working height outside [mm   in]   | 330   13.0                                     |
| Working height center [mm   in]  | 477   18.8                                     |
| Output type of the tool actuation  | Flange (T)                                     |
| Number of the tool actuation (telescopic shaft(s))                               | 1  |
| Max. acceleration torque of the tool actuation T/TS1 at the output [Nm   in.lbs] | 6   53.1                                       |
| Nominal torque of the tool actuation T/TS1 at the output [Nm   in.lbs]           | 4,8   42.5                                     |
| Max. speed of the tool actuation T/TS1 at the output [1/min]                     | 800  |
| Nominal speed of the tool actuation T/TS1 at the output [1/min]                  | 460  |
| Bearing type of the telescopic shaft(s)  | Roller bearing                                 |
| Bearing type of the arm joints   | Roller bearing                                 |
| Lubricants of the bearings   | Food-grade (FO)                                |
| Lubricants of the gearboxes  | Food-grade (FO)                                |
| Cleaning   | Up to 28 bar   406 psi high pressure           |
| Protection class   | IP69K  |
| Ambient temperature [°C   °F]  | 0 to +40   +32 to +104                         |
| Relative humidity level [%]  | 95 (free of condensation)                      |
| Mounting position  | Ceiling, Wall (on request), Angle (on request) |

\* All given values are nominal values (nominal payload referred to a nominal performance) and can vary under realworld conditions depending on the application (tool specifications, load distances, reduction (partly) of the nominal performance when using food-grade lubricants, ...). Please consider our technical data sheets regarding the load capacity.