

# HHD DELTA RL4-1120-3kg

Article number: A\_00880-FO Lubricant variant: Food-grade lubricants (FO)



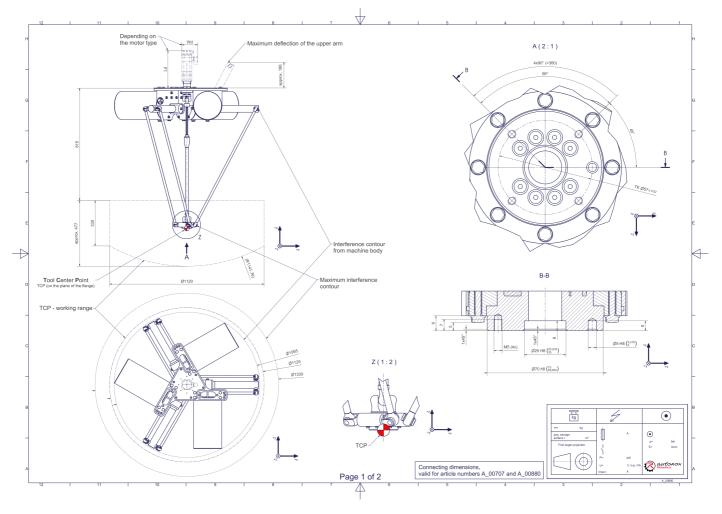
## **Description:**

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 and one (1) rotational degree(s) 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, Terms of use and Disclaimer and Copyright notices.

© 2023 autonox Robotics GmbH | www.autonox.com



## **Technical specifications:**

Field of application	Hygienic 'HHD'
Kinematics	Parallel
Translatory Degrees of Freedom (X,Y,Z)	3
Rotational Degrees of Freedom $(\alpha,\beta,\gamma)$	1
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
Max. acceleration torque of the rotation <b>y</b> around <b>Z</b> at the output [Nm in.lbs]	6   53.1
Nominal torque of the rotation y around Z at the output [Nm in.lbs]	4,8   42.5
Max. speed of the rotation <b>y</b> around <b>Z</b> at the output [1/min]	800
Nominal speed of the rotation <b>y</b> around <b>Z</b> 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	ІРб9К
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.

We refer to our General Terms of Sale and Supply, Terms of use and Disclaimer and Copyright notices.