

Date of download: Sep 13, 2025 Time of download: 05:33 UTC

HHD DELTA RL4-T1-1000-6kg

Article number: A_00027-T1-FO

Lubricant variant: Food-grade lubricants (FO)



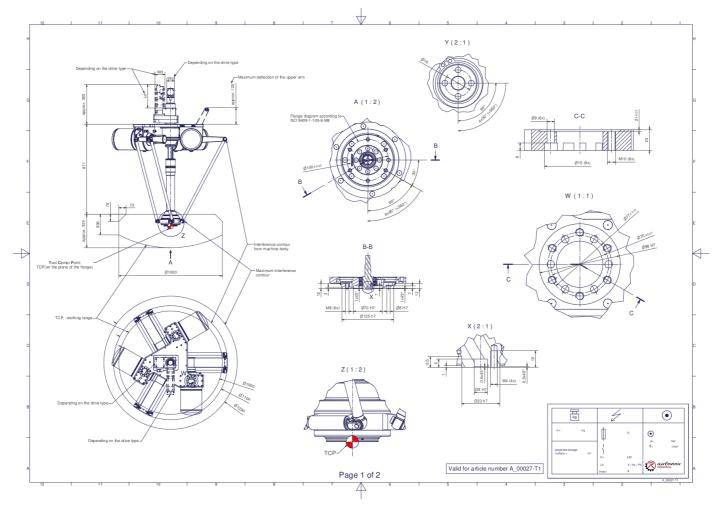
Description:

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 and one (1) rotational degree(s) of freedom.

Scope of delivery:

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

Connecting dimensions:



<u>Downloads:</u> <u>Connecting dimensions (PDF)</u> <u>3D model (STP)</u> <u>3D model (PDF)</u>



Product data sheet https://autonoxfinder.com/en/A_00027-T1-FO

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Technical specifications:

Field of application Hygienic 'HHD' Kinematics Parallel Translatory Degrees of Freedom (X,Y,Z) 3	
Translatory Degrees of Freedom (X,Y,Z) 3	
Rotational Degrees of Freedom (α,β,γ)	
Nominal payload [kg lbs] * 6 13.2	
Working area-diameter [mm in] 1000 39.4	
Working height outside [mm in] 200 7.9	
Working height center [mm in] 324 12.8	
Output type of the tool actuation Flange (T)	
Number of the tool actuation (telescopic shaft(s))	
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 50 442.5	
Nominal torque of the rotation y around Z at the output [Nm in.lbs] 50 442.5	
Max. speed of the rotation y around Z at the output [1/min] 260	
Nominal speed of the rotation y around Z at the output [1/min] 160	
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm in.lbs] 9 79.7	
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs] 9 79.7	
Max. speed of the tool actuation T/TS1 at the output [1/min] 450	
Nominal speed of the tool actuation T/TS1 at the output [1/min] 300	
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	
Cleaning Up to 28 bar 406 psi high pressure Protection class IP69K	
Protection class IP69K	
Protection class IP69K Ambient temperature [°C °F] 0 to +40 +32 to +104	uest)

^{*} 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.