

### Product data sheet https://autonoxfinder.com/en/A\_00099-T1

Date of download: Oct 16, 2025 Time of download: 01:37 UTC

### HHD DuoPod RVS3-T1-400-12kg

Article number: A\_00099-T1

Lubricant variant: Synthetic lubricants



#### 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 two (2) translational and one (1) rotational degree(s) of freedom.

#### Scope of delivery:

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



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### **Technical specifications:**

Field of application	Hygienic 'HHD'	
Kinematics	Parallel	
Translatory Degrees of Freedom (X,Y,Z)	2	
Rotational Degrees of Freedom $(\alpha,\beta,\gamma)$	1	
Nominal payload [kg lbs] *	12   26.5	
Working area-width [mm in]	400   15.7	
Working height outside [mm in]	220   8.7	
Output type of the tool actuation	Flange (T)	
Number of the tool actuation (telescopic shaft(s))	1	
Max. acceleration torque of the rotation γ around Z at the output [Nm in.lbs]	110   973.6	
Nominal torque of the rotation y around Z at the output [Nm in.lbs]	110   973.6	
Max. speed of the rotation γ 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]	13,1   115.9	
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs]	13,1   115.9	
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	Synthetic	
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)	
Robot weight without drive engineering (esp. drive) [kg lbs]	146   321.9	

<sup>\*</sup> 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.



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### **Gearbox article number for this robot mechanics:**

Function	Article number	Document
Drive of the upper arms	MT_BGR00021815-xx	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation $\boldsymbol{\gamma}$ around $\boldsymbol{Z}$	MT_WST00064258-xx	Operating manual gearbox type 7 (PDF)
Drive of the telescopic shaft for tool actuation T/TS1	MT_BGR00013360-xx	Operating manual gearbox type 1 (PDF)