

Product data sheet https://autonoxfinder.com/en/A 00901-T1-F0

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DuoPod RVS3Y-T1-1150-3kg

Article number: A_00901-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 two (2) translational and one (1) rotational degree(s) of freedom.

Scope of delivery:

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



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Technical specifications:

Field of application	Standard (not hygienic)
Kinematics	Parallel
Translatory Degrees of Freedom (X,Y,Z)	2
Rotational Degrees of Freedom (α,β,γ)	1
Nominal payload [kg lbs] *	3 6.6
Working area-width [mm in]	1150 45.3
Working height outside [mm in]	400 15.7
Working height center [mm in]	590 23.2
Output type of the tool actuation	Flange (T)
Number of the tool actuation (telescopic shaft(s))	1
Max. acceleration torque of the rotation β around Y at the output [Nm \mid in.lbs]	16 141.6
Nominal torque of the rotation β around Y at the output [Nm \mid in.lbs]	16 141.6
Max. speed of the rotation $\boldsymbol{\beta}$ around Y at the output [1/min]	82
Nominal speed of the rotation $\boldsymbol{\beta}$ around \boldsymbol{Y} at the output [1/min]	82
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm in.lbs]	13,3 117.7
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs]	13,3 117.7
Max. speed of the tool actuation T/TS1 at the output [1/min]	228
Nominal speed of the tool actuation T/TS1 at the output [1/min]	228
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	No high pressure
Ambient temperature [°C °F]	0 to +40 +32 to +104
Relative humidity level [%]	95 (free of condensation)
Mounting position	Floor, 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.