Date of download: Jul 31, 2025 Time of download: 02:00 UTC

DuoPod RVS3-T1-750-12kg

Article number: A_00921-T1

Lubricant variant: Synthetic lubricants



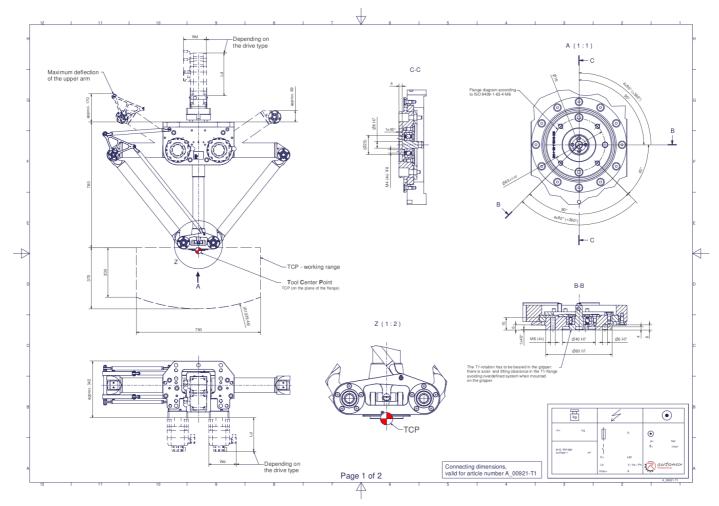
Description:

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, Threaded protection caps, 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_00921-T1_

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Technical specifications:

Field of application Standard (not have been standard).	
Kinematics Parallel	ygienic)
Translatory Degrees of Freedom (X,Y,Z) 2	
Rotational Degrees of Freedom (α,β,γ)	
Nominal payload [kg lbs] * 12 26.5	
Working area-width [mm in] 750 29.5	
Working height outside [mm in] 300 11.8	
Working height center [mm in] 370 14.6	
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] 40 354.0	
Nominal torque of the rotation y around Z at the output [Nm in.lbs] 40 354.0	
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] 5,5 48.7	
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs] 5,5 48.7	
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] 800	
Bearing type of the telescopic shaft(s) Roller bearing	
Bearing type of the arm joints Roller bearing	
Lubricants of the bearings Synthetic	
	nthetisch; Achse 3: Lebensmitteltauglich (FO)
	re
Lubricants of the gearboxes Achsen 1-2: Syr	
Lubricants of the gearboxes Achsen 1-2: Syr Cleaning No high pressure	to +104

^{*} 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.

Gearbox article number for this robot mechanics:

Function	Article number	Document
Drive of the upper arms	MT_BGR00017292-U-xx	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation y around Z	MT_WST00064258-xx	Operating manual gearbox type 7 (PDF)