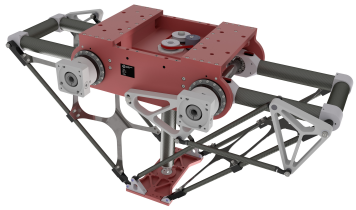
DuoPod RV2-T1-900-40kg



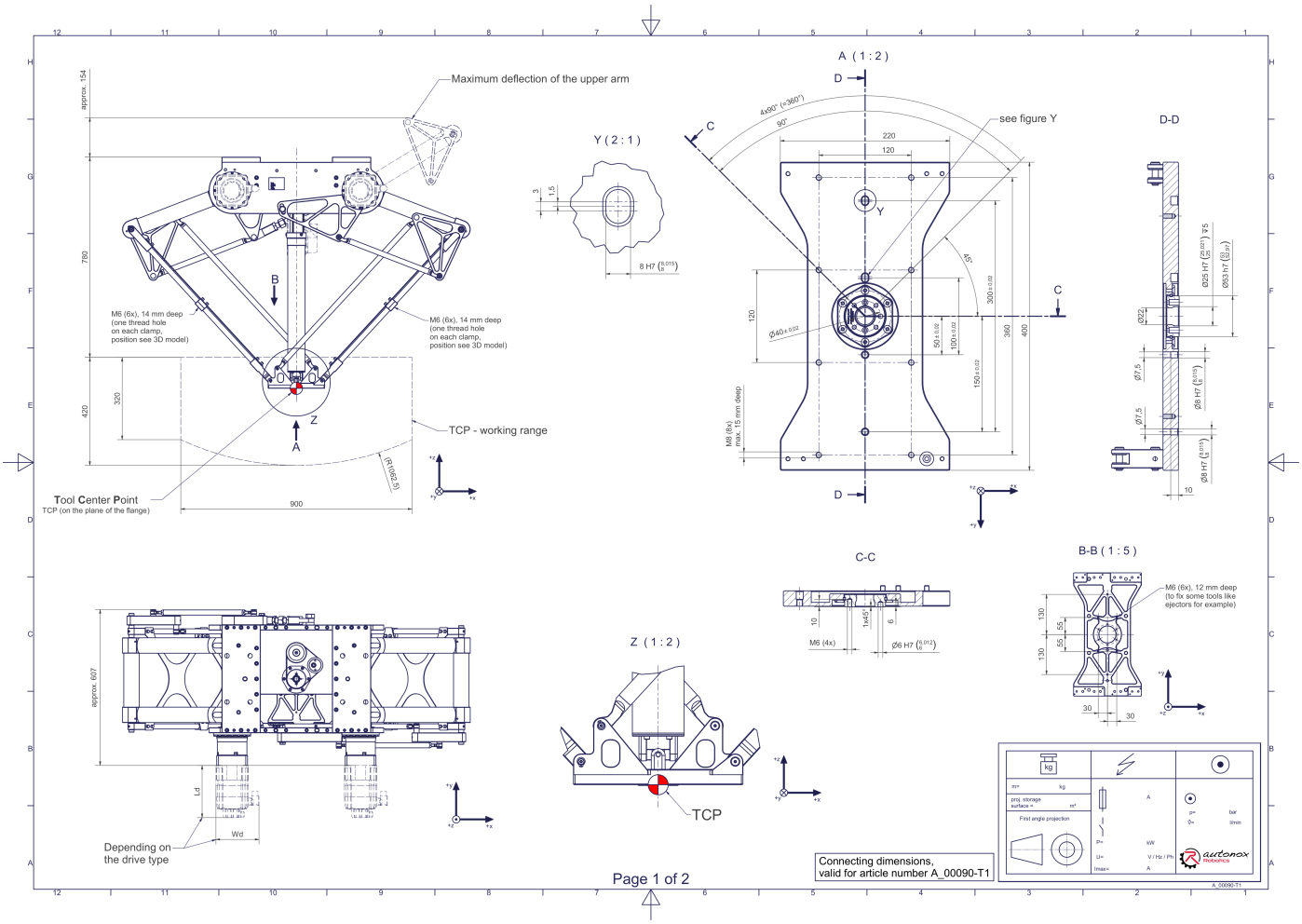
Article number: A_00090-T1

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 degrees of freedom.

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

Connecting dimensions:



Downloads: Connecting dimensions (PDF) 3D model (STP) 3D model (PDF)

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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,ß,γ)	0
Nominal payload [kg|lbs] *	40 | 88.2
Working area-width [mm|in]	900 | 35.4
Working height outside [mm|in]	320 | 12.6
Working height center [mm|in]	420 | 16.5
Output type of the tool actuation	Flange (T)
Number of the tool actuation (telescopic shaft(s))	1
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm|in.lbs]	10 | 88.5
Nominal torque of the tool actuation T/TS1 at the output [Nm|in.lbs]	10 | 88.5
Max. speed of the tool actuation T/TS1 at the output [1/min]	1500
Nominal speed of the tool actuation T/TS1 at the output [1/min]	660
Bearing type of the telescopic shaft(s)	Journal bearing
Bearing type of the arm joints	Roller bearing
Lubricants of the gearboxes	Synthetic
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.

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 tool actuation T/TS1	MT_BGR00015117-xx	Operating manual gearbox type 5 (PDF)

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