DuoPod RVE2-T3-900-40kg

Article number: A_00095.01-T3-FO

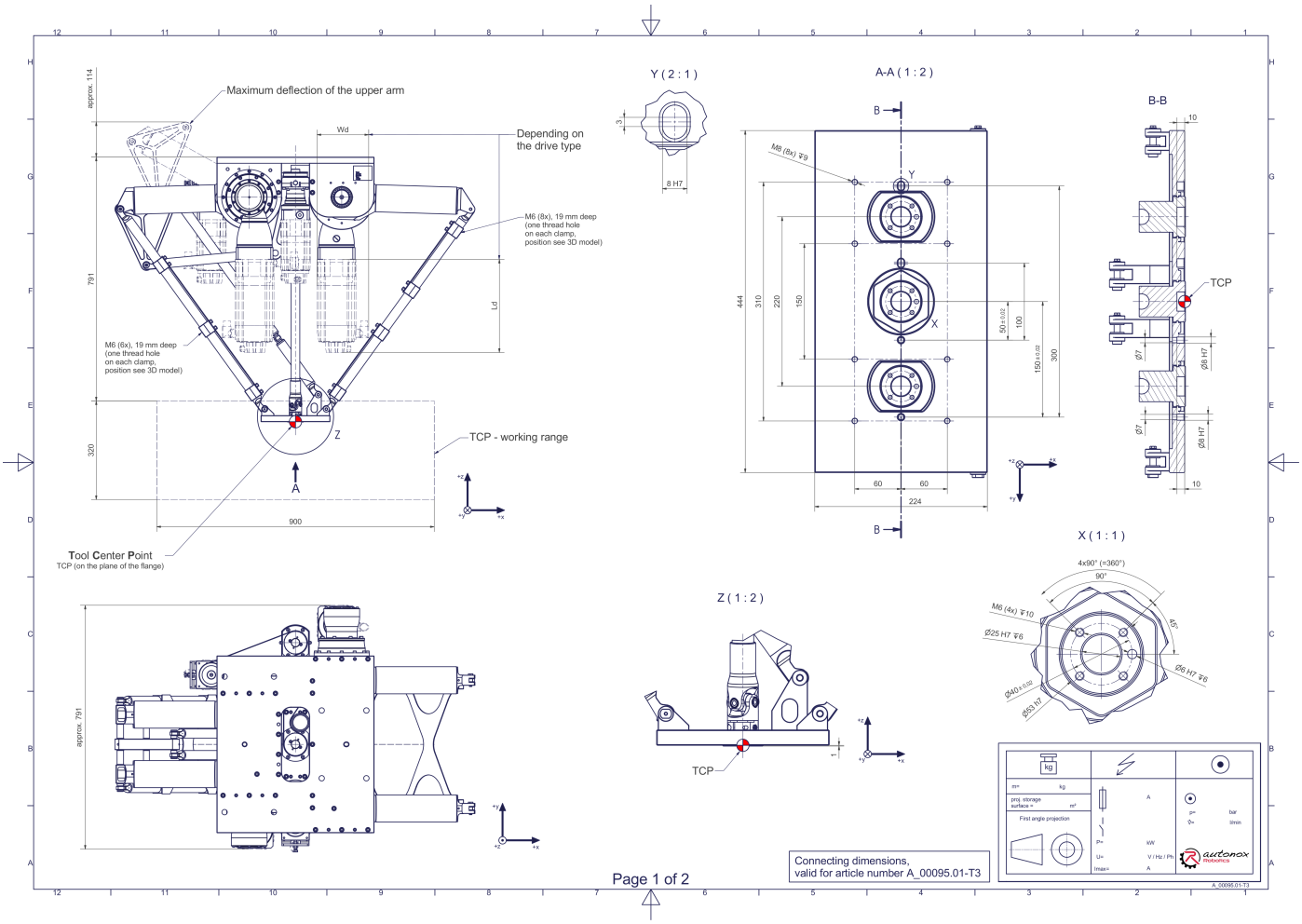
Lubricant variant: Food-grade lubricants (FO)



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 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
Output type of the tool actuation	Flange (T)
Number of the tool actuation (telescopic shaft(s))	3
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm|in.lbs]	26,8 | 237.2
Nominal torque of the tool actuation T/TS1 at the output [Nm|in.lbs]	26 | 230.1
Max. speed of the tool actuation T/TS1 at the output [1/min]	1000
Nominal speed of the tool actuation T/TS1 at the output [1/min]	571
Max. acceleration torque of the tool actuation T/TS2 at the output [Nm|in.lbs]	26,8 | 237.2
Nominal torque of the tool actuation T/TS2 at the output [Nm|in.lbs]	26 | 230.1
Max. speed of the tool actuation T/TS2 at the output [1/min]	1000
Nominal speed of the tool actuation T/TS2 at the output [1/min]	571
Max. acceleration torque of the tool actuation T/TS3 at the output [Nm|in.lbs]	26,8 | 237.2
Nominal torque of the tool actuation T/TS3 at the output [Nm|in.lbs]	26 | 230.1
Max. speed of the tool actuation T/TS3 at the output [1/min]	1000
Nominal speed of the tool actuation T/TS3 at the output [1/min]	571
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.

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