DELTA RL3-ATS-1200-6kg

Article number: A_00050-02-ATS-FO

Lubricant variant: Food-grade lubricants (FO)

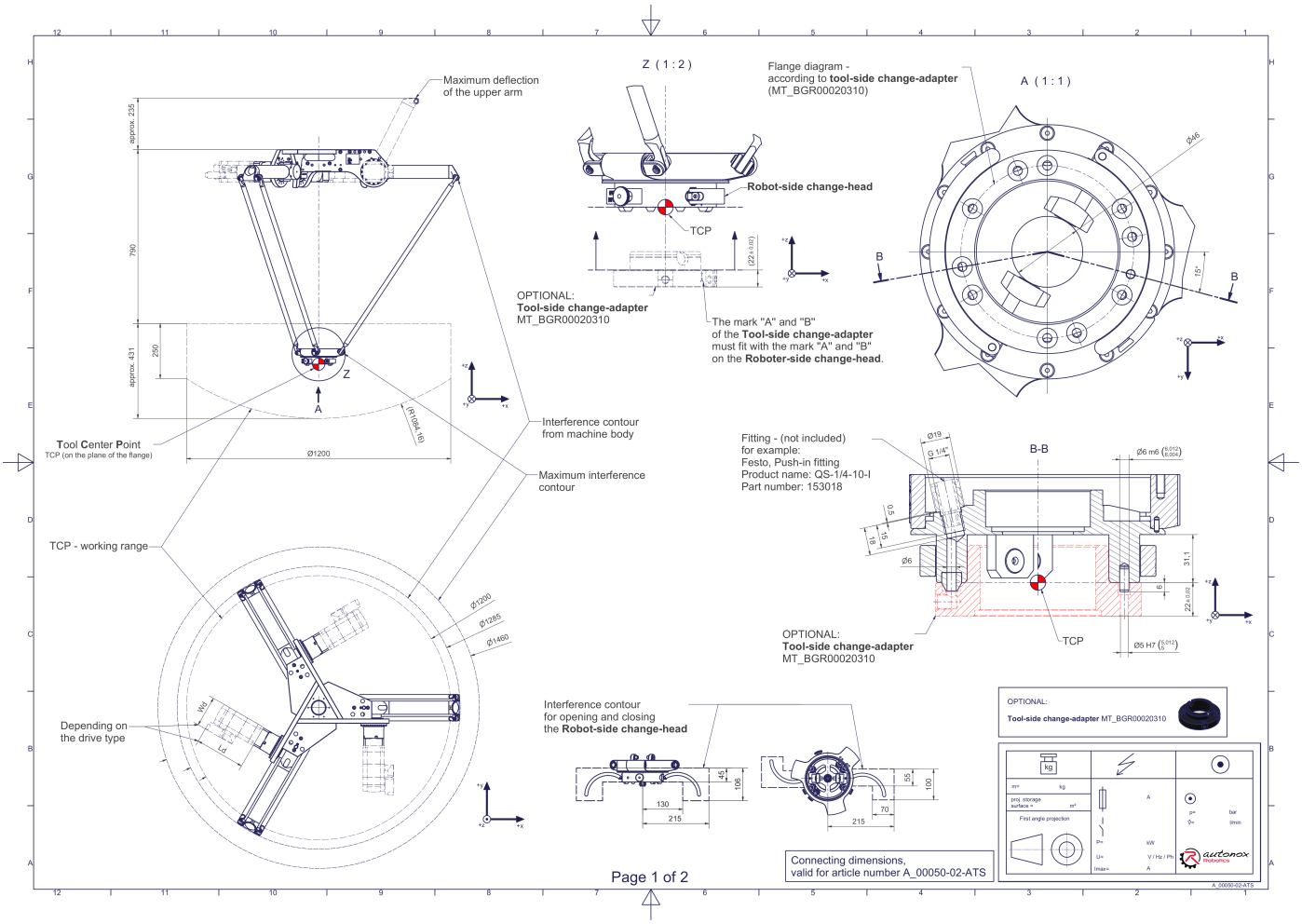
Description:

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 three (3) 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)	3
Rotational Degrees of Freedom (α,ß,γ)	0
Nominal payload [kg|lbs] *	6 | 13.2
Working area-diameter [mm|in]	1200 | 47.2
Working height outside [mm|in]	250 | 9.8
Working height center [mm|in]	431 | 17.0
Manual tool changing system ATS	Tenfold media transmission (Compressed air 6 bar | 87.0 psi / vacuum -850 mbar | -12.3 psi / min. inner-Ø: 6 mm | 0.24 in)
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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