

DELTA RL3-ATS-1600-20kg

Article number: A_00066-ATS

Lubricant variant: Synthetic lubricants



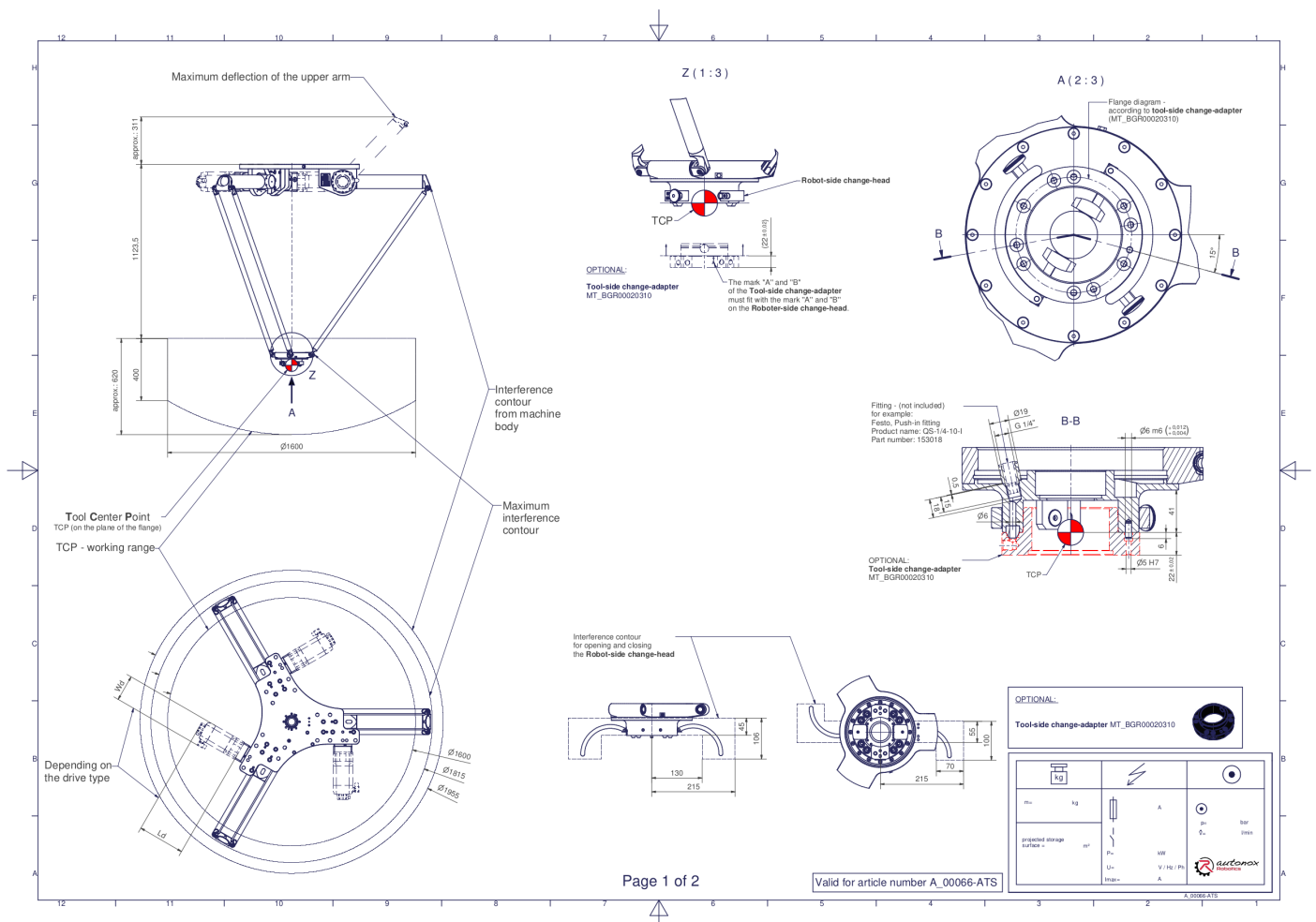
Description:

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 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, β, γ)	0
Nominal payload [kg lbs] *	20 44.1
Working area-diameter [mm in]	1600 63.0
Working height outside [mm in]	400 15.7
Working height center [mm in]	620 24.4
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	Synthetic
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)
Robot weight without drive engineering (esp. drive) [kg lbs]	83 183.0

* 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.