

ARTICULATED articc.m6-2407-150kg

Article number: AT_00016.01-SE01-FO

Lubricant variant: Food-grade lubricants (FO)



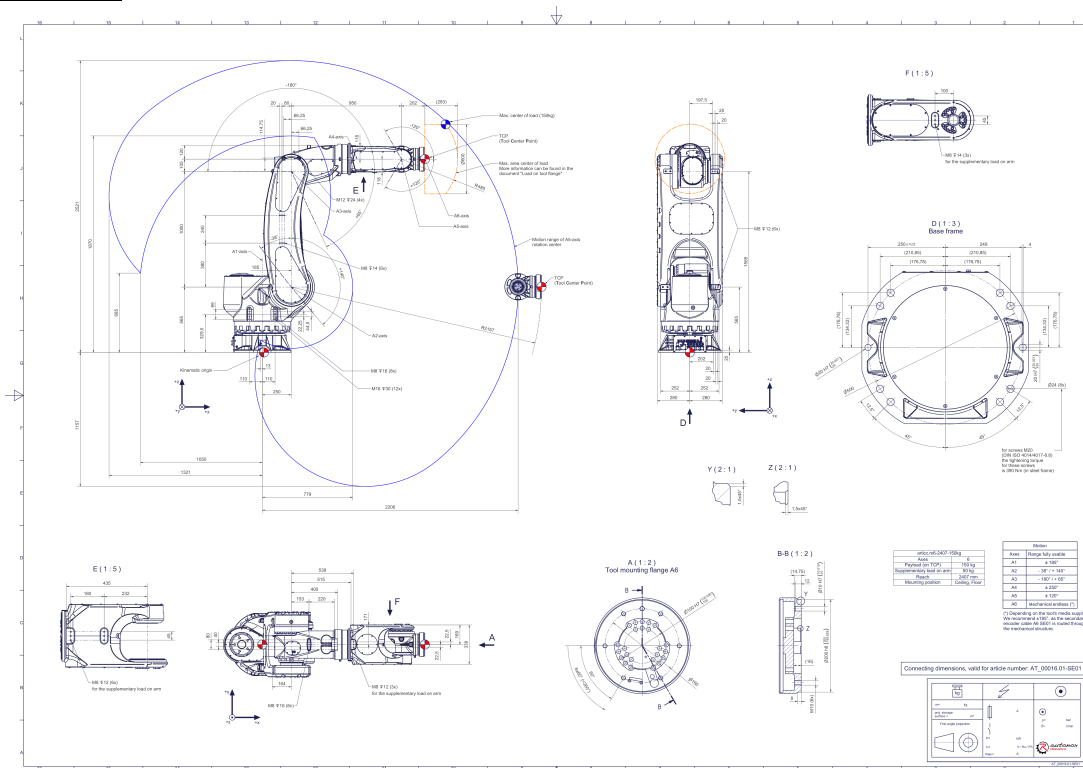
Description:

This type of robot is based on the principle of serial kinematics. All drives and motor cables are moved along. The robot has three (3) translational and three (3) rotational degrees of freedom. **Highlight** The use of secondary-encoders is prepared for axes 1-6. This robot mechanics was developed for applications that require high rigidity, good vibration damping and maximum precision. In the kinematics, axes 2, 3 and 5 are supported on both sides, which increases the rigidity accordingly. This model is sealed against abrasive dusts, liquids, etc. and can be pressurized with sealing air. Media supplies for the end effector can be routed protected inside the robot structure. **Legal notice** For patent law reasons not available and usable in the USA! **Scope of delivery** Robot mechanics incl. gearbox, Mounting adapters for secondary-encoders, Installation of drive technology and the secondary-encoders (to be provided free of charge in each case), Multi-hour, logged test run as final quality inspection, Threaded protection caps, Transport and packing instructions

Required accessories:

Set of parts for installing the drive technology. This set consists of, for example, a servo motor adapter, servo motor cable, transmission input pinion, plug board (usually on the base frame).

Connecting dimensions:



Downloads: [Connecting dimensions \(PDF\)](#), [3D model \(STP\)](#), [3D model \(PDF\)](#)

We refer to our [General Terms of Sale and Supply](#) and [Terms of use](#).

Technical specifications:

Field of application	Standard (not hygienic), CNC Robotics
Kinematics	Serial
Translatory Degrees of Freedom (X,Y,Z)	3
Rotational Degrees of Freedom (α,β,γ)	3
Nominal payload [kg lbs] *	150 330.7
Supplementary load on the arm [kg lbs]	50 110.2
Working area-reach [mm in]	2407 94.8
Lubricants of the bearings	Food-grade (FO)
Lubricants of the gearboxes	Food-grade (FO)
Integrated media supply to the end effector possible	Yes
Cleaning	No high pressure
Protection class	Axis 1: IP66, axis 2-6: IP67
Ambient temperature [$^{\circ}$C $^{\circ}$F]	0 to +40 +32 to +104
Relative humidity level [%]	95 (free of condensation)
Mounting position	Floor, Ceiling
Special features	The use of secondary encoders is prepared for axes 1-6. For applications that demand high rigidity, good vibration damping and maximum precision. Sealed against abrasive dusts, liquids, etc. Can be pressurized with sealing air.

* 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.