ARTICULATED articc.p6-2257-30kg

Article number: AT_00006-01-FO

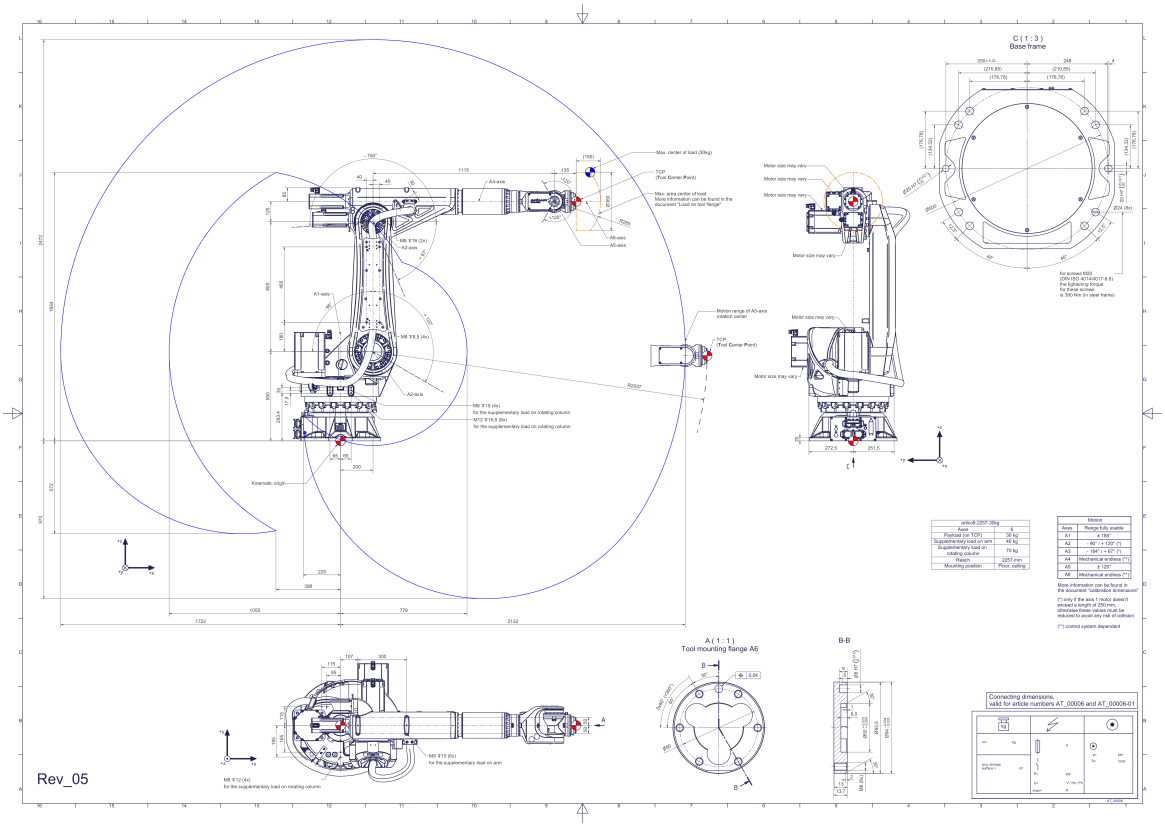
Lubricant variant: Food-grade lubricants (FO)

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. This robot mechanism has increased precision due to a reinforced gearbox between the base frame and the rotating column (axis 1). This gives the mechanism a higher torque, increased tilting rigidity and reduced backlash.

Scope of delivery:
Robot mechanics incl. gearbox, Free installation of drive technology provided (including incoming goods inspection), 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)

Technical specifications:

Field of application	Standard (not hygienic)
Kinematics	Serial
Translatory Degrees of Freedom (X,Y,Z)	3
Rotational Degrees of Freedom (α,ß,γ)	3
Nominal payload [kg|lbs] *	30 | 66.1
Supplementary load on the rotating column [kg|lbs]	70 | 154.3
Supplementary load on the arm [kg|lbs]	40 | 88.2
Working area-reach [mm|in]	2257 | 88.9
Lubricants of the bearings	Food-grade (FO)
Lubricants of the gearboxes	Food-grade (FO)
Cleaning	No high pressure
Protection class	IP64
Ambient temperature [°C|°F]	0 to +40 | +32 to +104
Relative humidity level [%]	95 (free of condensation)
Mounting position	Floor, Ceiling
Special features	Increased precision through the use of a reinforced gearbox between the base frame and rotating column (axis 1) with increased torque, increased tilting rigidity and reduced backlash

* 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.