ARTICULATED sCara4-450-1kg

Article number: AT_00039-400

Lubricant variant: Synthetic lubricants

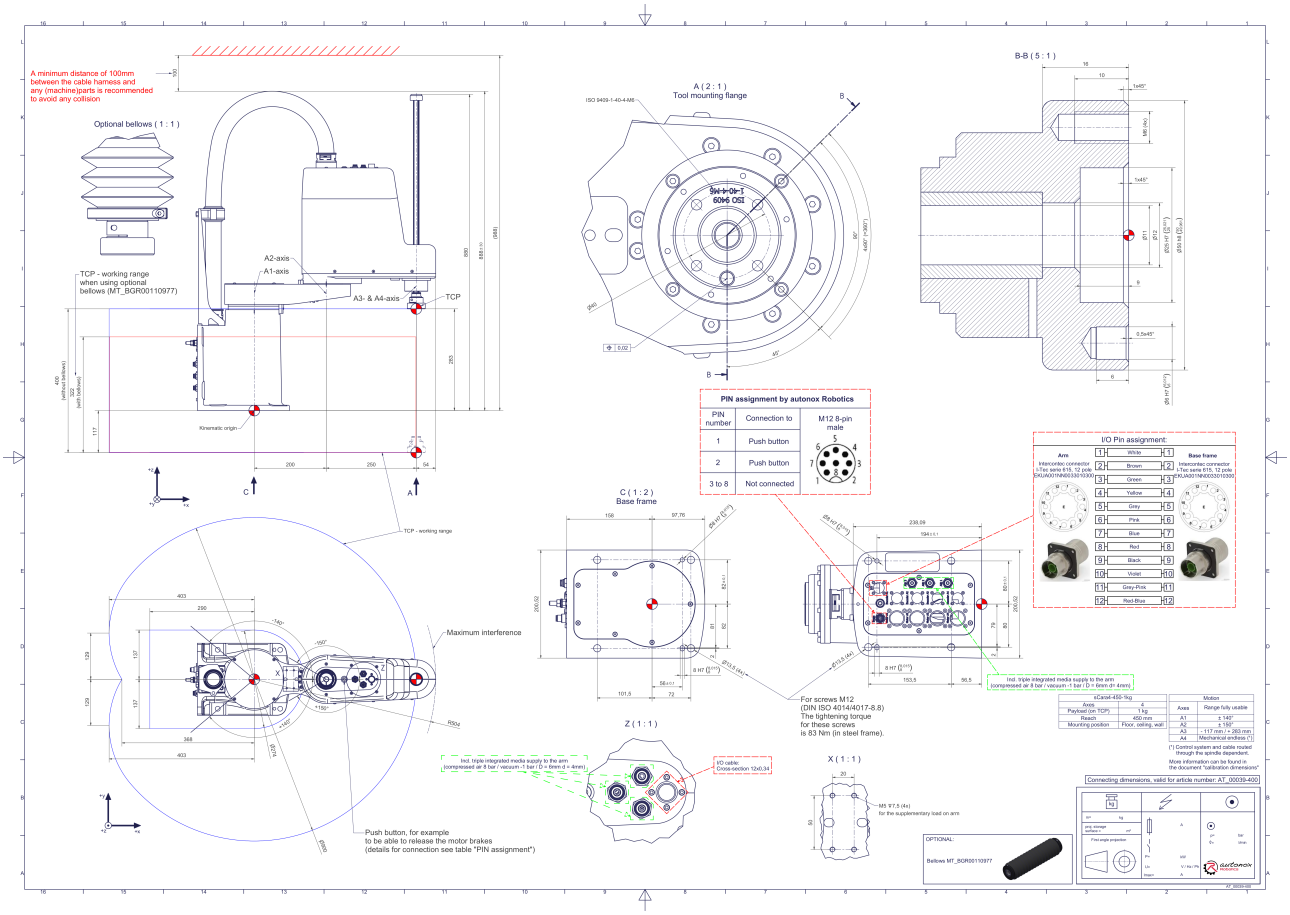
Description :

This type of robot is based on the principle of serial kinematics. All drives and motor cables, except the stationary axis 1, are moved along. The robot has three (3) translational and one (1) rotational degree(s) of freedom. It is not necessary to select motors for this mechanics. They are already included in the drive technology parts set. **Scope of delivery**
Robot mechanics incl. gearbox, Installation of drive technology (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, servo motors and adapters, servo motor cable, transmission input pinion, plug board (usually on the base frame) and media supply to the arm.

Connecting dimensions:



Downloads: Connecting dimensions (PDF) 3D model (STP) 3D model (PDF)

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Technical specifications:

Field of application	Standard (not hygienic), Precision
Kinematics	Serial
Translatory Degrees of Freedom (X,Y,Z)	3
Rotational Degrees of Freedom (α,ß,γ)	1
Nominal payload [kg|lbs] *	1 | 2.2
Working area-reach [mm|in]	450 | 17.7
Working height [mm|in]	400 | 15.7
Lubricants of the bearings	Synthetic
Lubricants of the gearboxes	Synthetic
Integrated media supply	Yes, to the arm (refer to document "Connecting dimensions")
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), Wall

* 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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