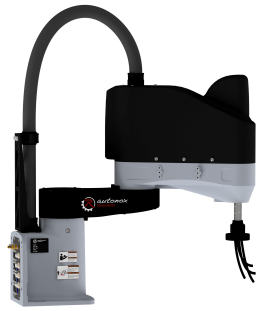
# ARTICULATED sCara4-600-6kg



**Article number:** AT_00038-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, except the stationary axis 1, are moved along. The robot has three (3) translational and one (1) rotational degree(s) of freedom.

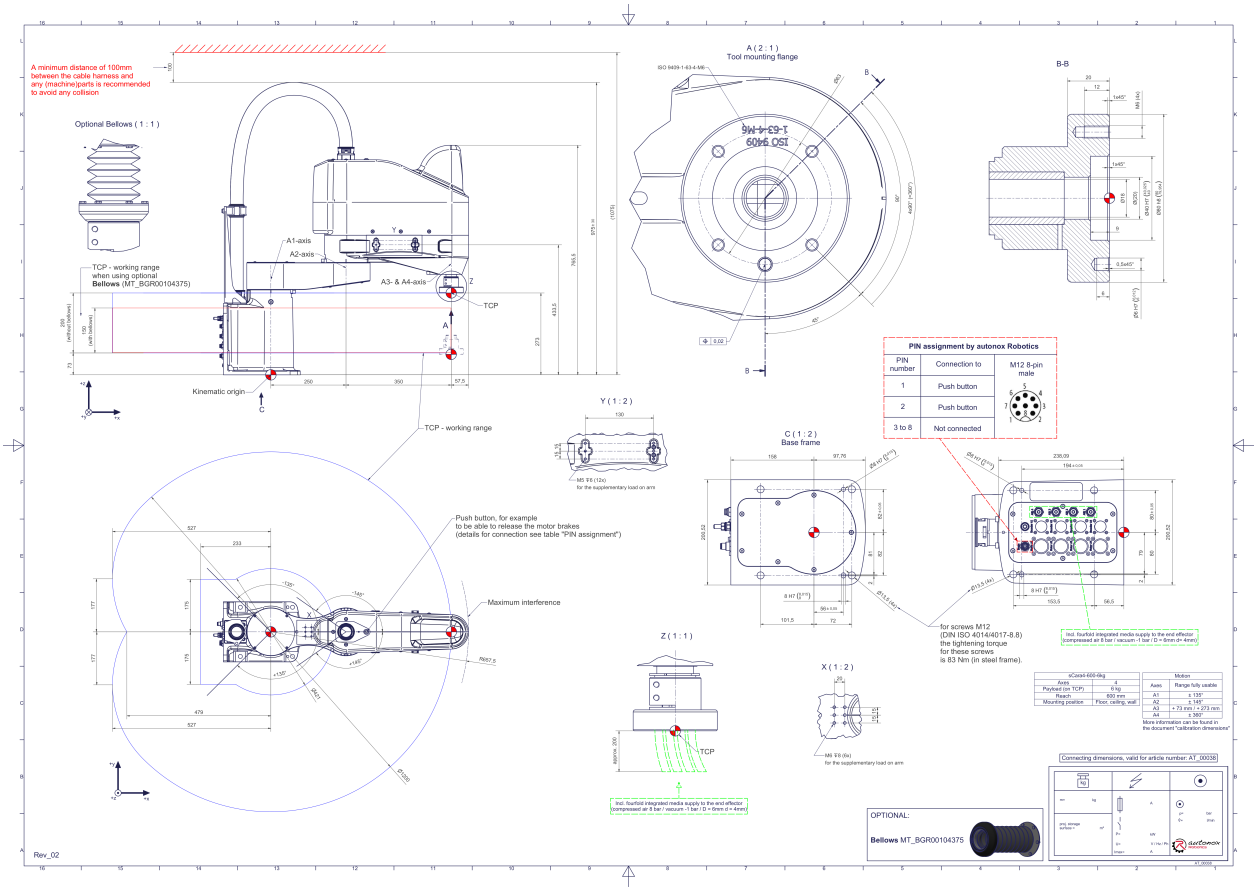
**Scope of delivery:**

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) and media supply to the end effector.

**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** | Serial |
| **Translatory Degrees of Freedom (X,Y,Z)** | 3 |
| **Rotational Degrees of Freedom (α,ß,γ)** | 1 |
| **Nominal payload [kg\|lbs] *** | 6 \| 13.2 |
| **Working area-reach [mm\|in]** | 600 \| 23.6 |
| **Working height [mm\|in]** | 200 \| 7.9 |
| **Lubricants of the bearings** | Food-grade (FO) |
| **Lubricants of the gearboxes** | Food-grade (FO) |
| **Integrated media supply** | Fourfold integrated media supply to the end effector (compressed air 8 bar \| 116.0 psi / vacuum -1 bar \| -14.5 psi / D=6 mm \| 0.24 in ; d=4 mm \| 0.16 in) |
| **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 |
| **Robot weight without drive engineering (esp. motors) [kg\|lbs]** | 32 \| 70.5 |

* 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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