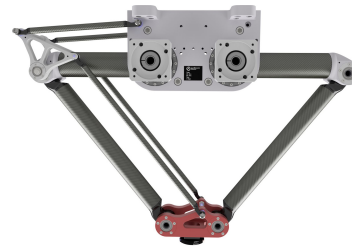


# DuoPod RVS2-ATS-750-3kg

Article number: A\_00911-ATS

Lubricant variant: Synthetic lubricants



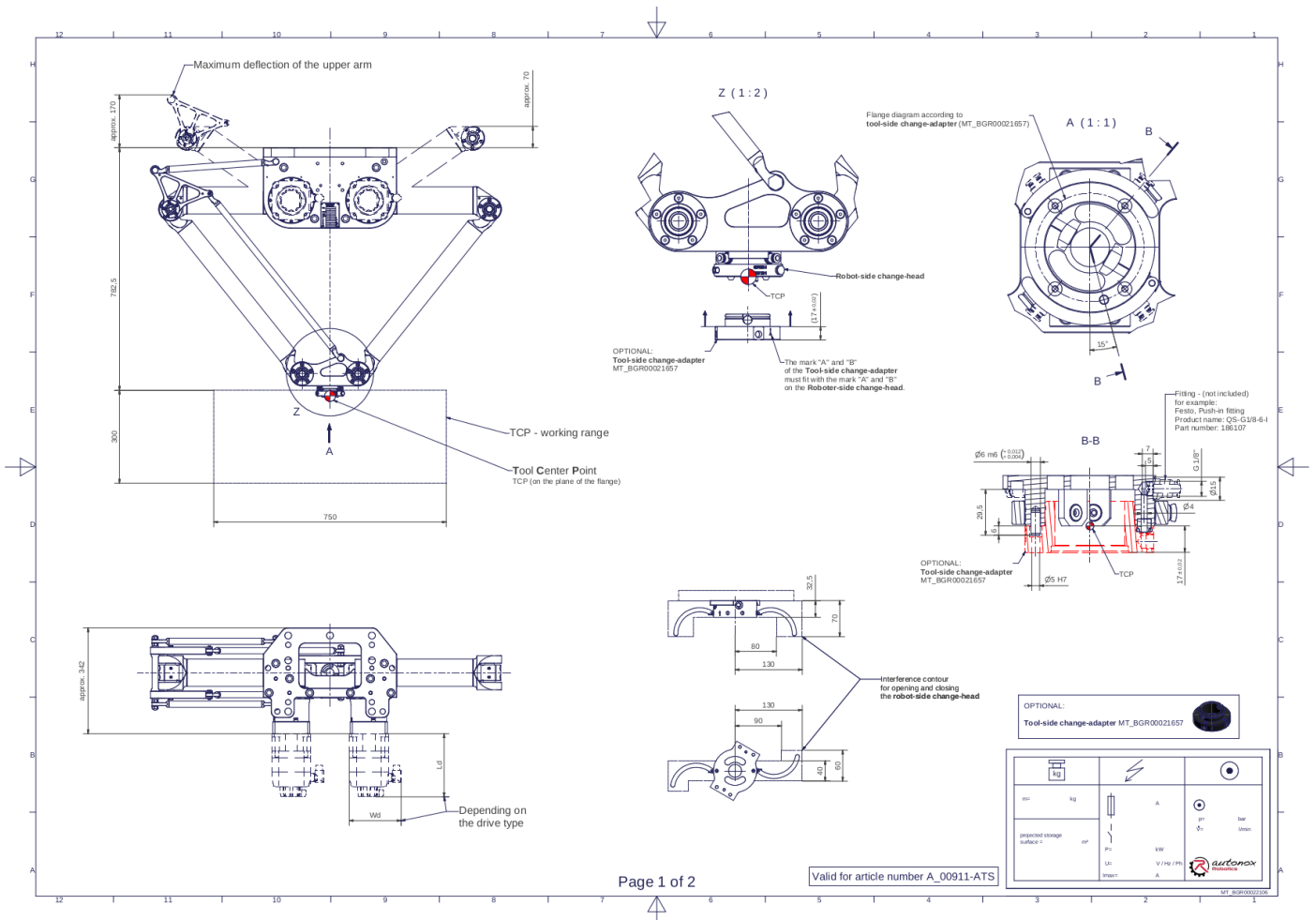
**Description:**

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 two (2) 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)                          | 2   |
| Rotational Degrees of Freedom ( $\alpha, \beta, \gamma$ )       | 0   |
| Nominal payload [kg   lbs] *                                    | 3   6.6   |
| Working area-width [mm   in]                                    | 750   29.5  |
| Working height outside [mm   in]                                | 300   11.8  |
| Working height center [mm   in]                                 | 370   14.6  |
| Manual tool changing system ATS                                 | Fourfold media transmission (Compressed air 6 bar   87.0 psi / vacuum -850 mbar   -12.3 psi / min. inner- $\varnothing$ : 4 mm   0.16 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 [ $^{\circ}\text{C}$   $^{\circ}\text{F}$ ] | 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]  | 50   110.2  |

\* 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.

## Gearbox article number for this robot mechanics:

| Function                | Article number      | Document                              |
|-------------------------|---------------------|---------------------------------------|
| Drive of the upper arms | MT_BGR00020777-U-xx | Operating manual gearbox type 3 (PDF) |