

Bot specification WF Wolves 2012

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Fig. 1. Bot WF Wolves 2012

- **Name:** Jonny, Hugh, Copper, Locutus
- **Number of degrees of freedom:** 20 DoF
- **Type of motors:**
 - wCK-1111K → 11kg torque
 - wCK-1108K → 8kg torque
- **Computing unit:**
 - Vision/AI processor: BF561 Dual-core DSP microcontroller with 2x 500MHz
 - Movement control: AT91SAM7X256 from Atmel with 50 MHz
- **Camera:** Omnivision OV2640
- **Sensors:** 2 cameras and an IMU (3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer)
- **Walking speed:** up to 300 cm/min
- **Other specs:**
 - Weight: 1,9 kg
 - Size: 36 cm