

# SPOT ARM

BostonDynamics



Meet the mobile robot arm designed to enable you to  
**act on data insights** and **perform real, physical work**  
in human-centric environments.

Equipped to operate through both **semi-autonomous**  
**actions** and **telematics**, the arm will  
open doors, pick, place, push or drag objects,  
and adapt to various situations at the  
touch of a button or **swipe of a screen**.



Génération  
**ROBOTS**

Official distributor **WORLDWIDE**

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## TABLET BEHAVIORS

### GRASPING, PICKING, PLACING

Manually or semi-autonomously grasp, lift, carry, place, and drag a wide variety of objects, including valve handles, door knobs, tools, etc.

**CONSTRAINED MANIPULATION** Semi-autonomously manipulate objects with constrained movement (e.g. turn valves, pull levers, open drawers, etc.).

### DOOR OPENING

Semi-autonomously turn handles and open standard push and pull doors.

## API OPTIONS

### JOINT-SPACE CONTROL

- Specify joint angles and velocities
- Move to predefined configurations

### END-EFFECTOR CONTROL

- Specify position, velocity, and force trajectories in Cartesian space
- Point the end-effector at a point in the world
- Perform tasks in contact with the environment (e.g. drawing, wiping, etc.)

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## SPECIFICATIONS

### GENERAL

Degrees of Freedom 6 + gripper  
Length (at full extension) 984 mm (38.7 in)  
Mass/Weight 8 kg (17.6 lbs)  
(including gripper)  
Max. Endpoint Speed 10 m/s  
Max. Lift Capacity\* Up to 11 kg (24.3 lbs)  
Continuous Lift Capacity\* 5 kg (11 lbs)  
(at 0.5 m extension)  
Max. Drag Capacity\* Up to 25 kg (55.1 lbs)  
(on carpet)

### ON ROBOT

Total Mass/Weight 39.7 kg (87.5 lbs)  
Max. Reach Height 1800 mm (70.9 in)

\*Payload capacities measured at 22°C

### GRIPPER

Depth	90 mm (3.5 in)
Max Aperture	175 mm (6.9 in)
Peak Clamp Force (at tip of opening)	130 N
Integrated Sensors	ToF, IMU, 4K RGB
Accessory Port	Gigabit Ethernet, 50W power, camera sync (PPS)

### ENVIRONMENT

Operating Temp.	-20°C to 45°C
Ingress Protection	Water and dust resistant



### JOINT RANGE OF MOTION + LINK LENGTHS (mm)

