
安装指引手册 Installation Guidebook

机器人保护支架/绳的安装与使用指引 Guidelines for Installation and Use of Protective Brackets/ Ropes



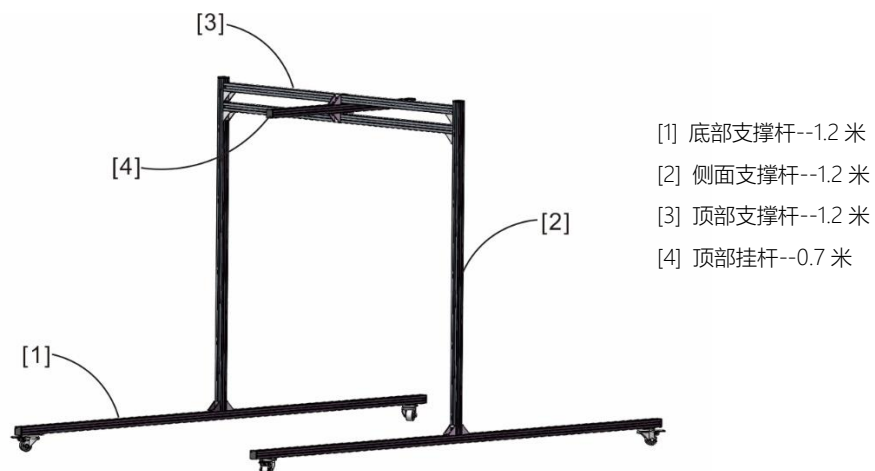
⚠ 注意! Notice!

1. 在未按软件手册中的要求用保护绳和保护架保护机器人时，请不要使用急停开关，否则将造成机器人严重损坏。由该原因造成的损坏，不在免费质保范围内。
1. When the protection rope and protective frame are not used to protect the robot according to the requirements of the software manual, please do not use the emergency stop switch, otherwise the robot will be seriously damaged. Damage caused by this reason is not covered by free warranty.
2. 收到机器人后，请先安装保护架保护绳，然后在使用机器人。
- 2 After receiving the goods, please install the protective rope first, and then use the robot.

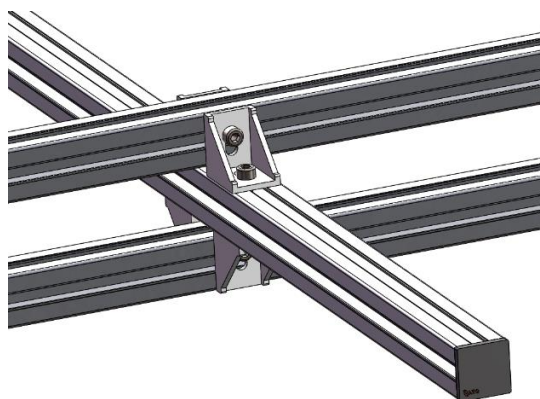


1. 如何安装保护支架和保护绳。

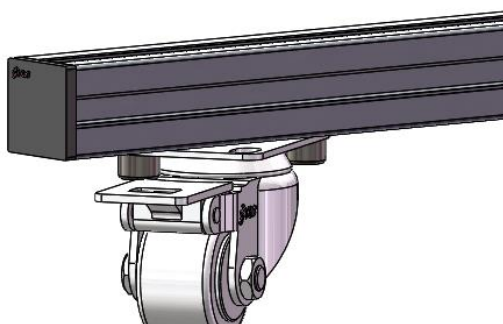
保护支架装配整体效果图及尺寸示意如下图：



顶部挂杆[4]与顶部支撑杆[3]连接示意图：



底部支撑杆的轮子安装示意图：



安装实际效果图：

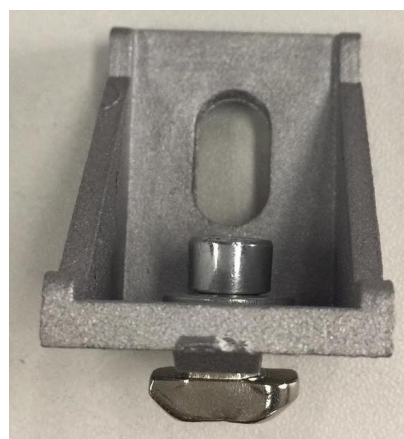
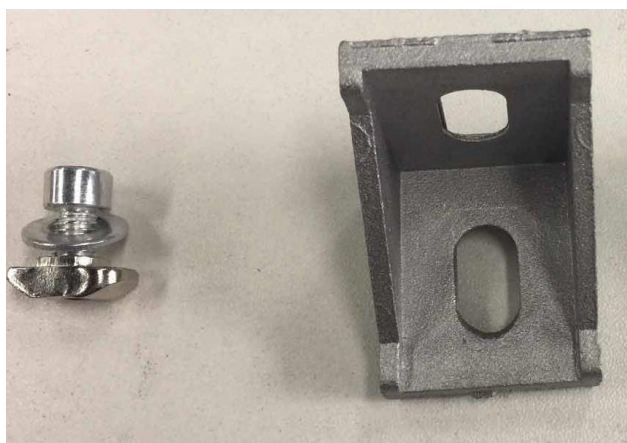


除了支架外，还会有 1 根尼龙绳和一个挂扣用来悬吊机器人。

支架安装步骤：

1. 固定方法简介

螺钉、垫片和螺母套件放入对应的角码固定孔，拧螺丝的过程中，螺母会跟着一起转动，锁紧后跟铝合金支架固定住。



2. 安装底部支撑杆[1]的轮子

固定轮子对角线上的两个孔。

3. 安装左右的侧面支撑杆[2]

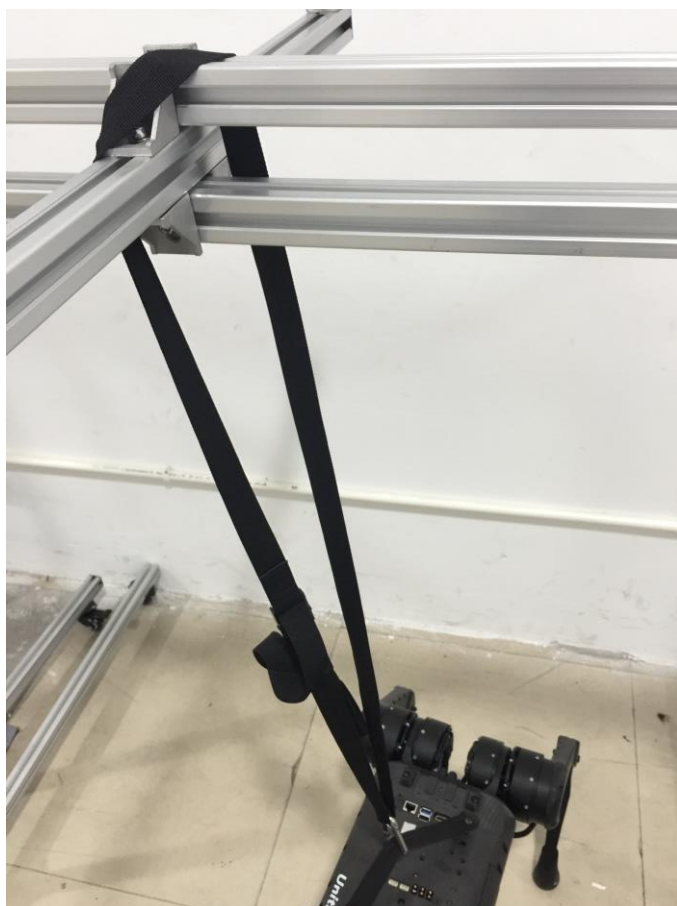
把侧面支撑杆[2]固定到底部支撑杆[1]

4. 安装顶部支撑杆[3]和顶部挂杆[4]

用顶部支撑杆[3]把两侧支架连接起来，先不要锁死。把顶部挂杆[4]位置定好后，再锁紧固定[3]和[4]。

5. 安装扎绳

在顶部挂杆两端安装扎绳，并把锁扣穿进扎绳。



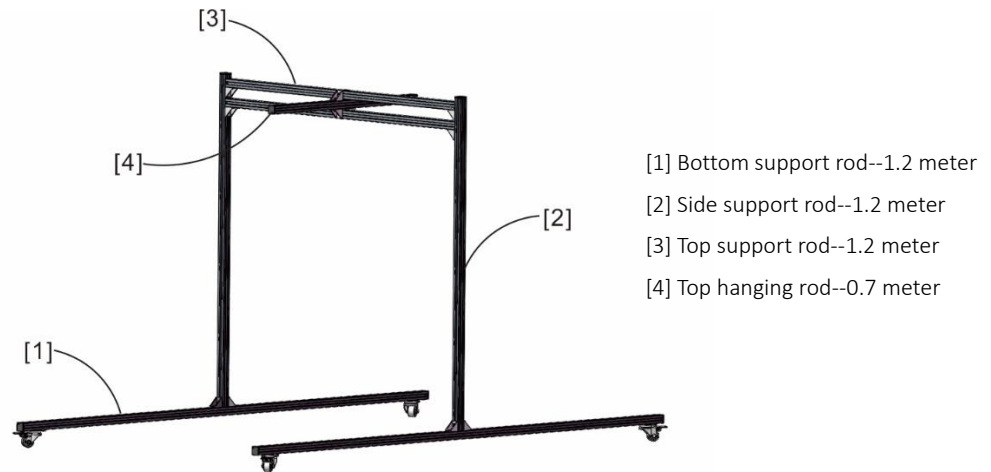
2. 如何使用保护架保护绳

2.1 地面启动

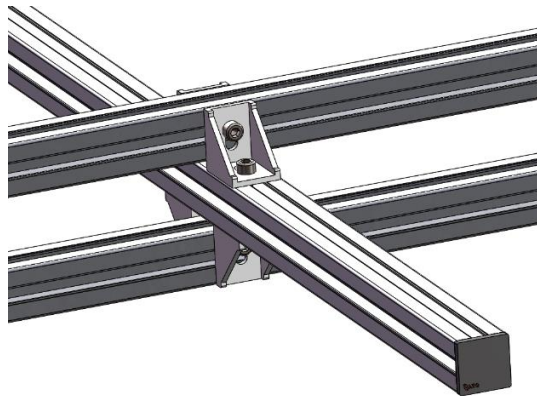
地面启动是最通用的启动方式, 注意在启动前需要把腿放在正确的位置, 整理机器人上的电线, 以防拉扯损坏。详细内容请查看使用手册。机器开启后, 用挂扣把机器人的拎绳扣上。在调试和使用过程中, 可以起到保护作用。

1. How to install protective bracket and rope.

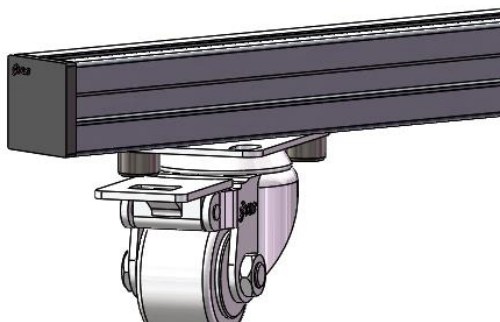
We also provide a bracket for developers to prevent from falling down accidentally when debugging and developing. The assembly diagram is as follows:



Connection diagram of the top hanging rod [4] and the top support rod [3]:



Schematic diagram of the wheel mounting of the bottom support rod:



Final effect diagram:

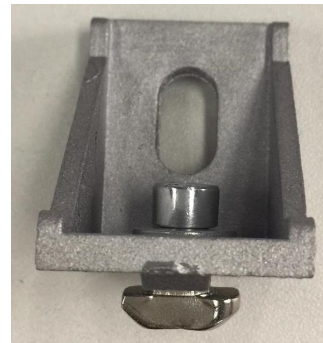
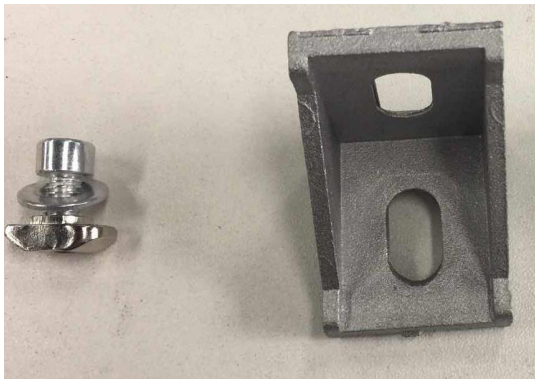


In addition to the bracket, 1 nylon rope will be used to suspend the robot.

Bracket mounting step :

1. Introduction to the fixed method

The screws, washers and nut sets are placed in the corresponding corner fixing holes. During the screwing process, the nuts will rotate together, and the locking will be fixed with the aluminum alloy bracket.



2. Install the wheel of the bottom support rod [1]

Secure the two holes on the diagonal of the wheel.

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3. Install the left and right side support bars [2]

Fix the side support bar [2] to the bottom support bar [1]

4. Install top support bar [3] and top hanger [4]

Connect the brackets on both sides with the top support rod[3] and do not lock them first. After fixing the position of the top hanging rod [4], lock and fix [3] and [4].

5. Install the tether

Install the long tether (with a buckle)

