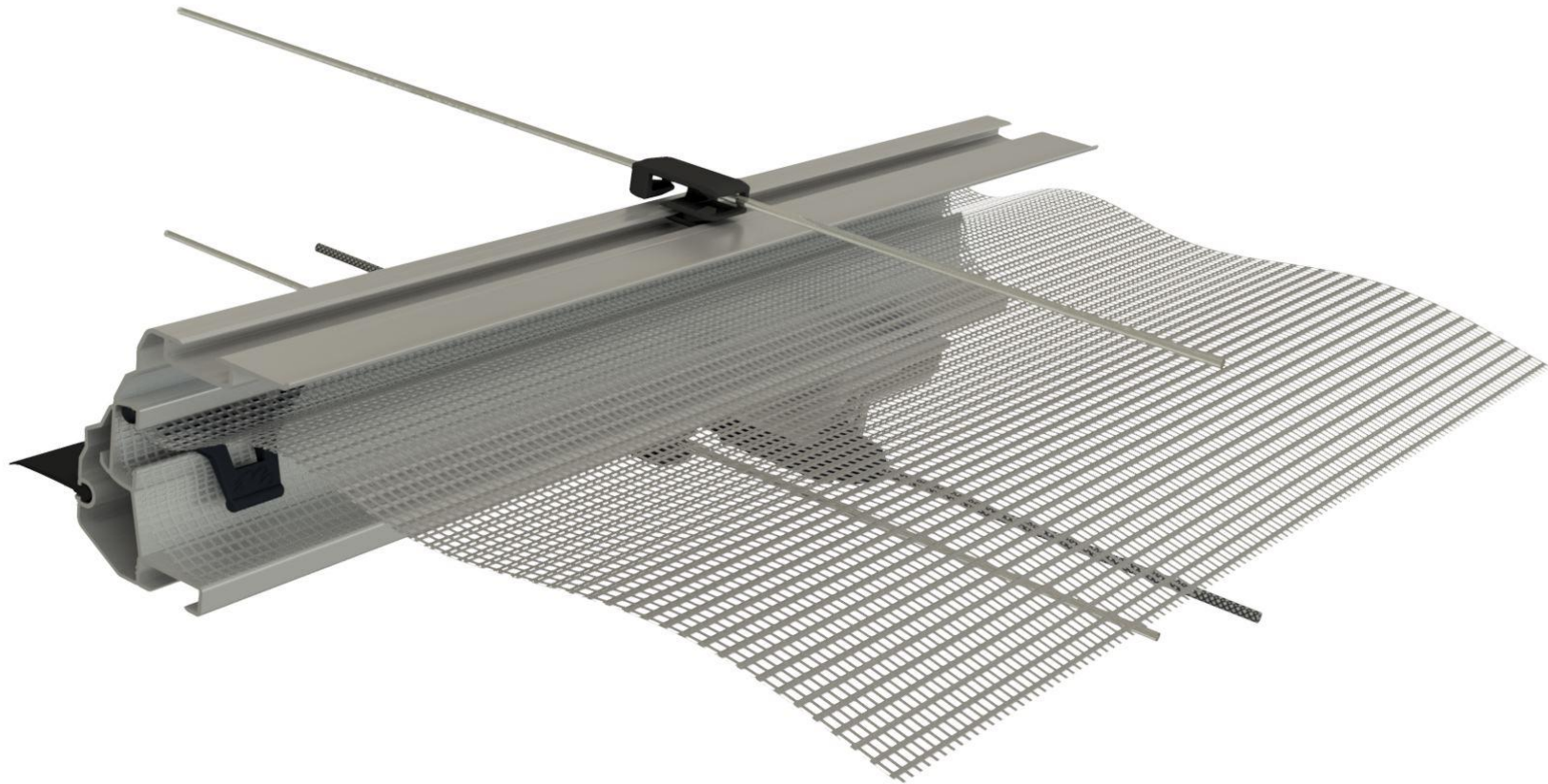


# ValkScreenVision PRC



## 下层幕布系统安装手册

|                               | 页码                                           |
|-------------------------------|----------------------------------------------|
| 目录                            | 1                                            |
| 免责声明                          | 2                                            |
| 山墙组件安装                        | 端幕梁 - 双层幕布 A1 - 4                            |
| ValkReversingWheel 分区间隔处双向换向轮 | ValkReversingWheel换向轮 - 每跨2个 - 下层幕布 B1 - 3   |
| 安装ValkBearingBracket 轴支座      | ValkBearingBracket 2.0 - 双支撑板 - 立柱打孔 C1 - 5  |
| 安装ValkDriveTube 驱动管           | ValkDriveTube X- X型缩口传动轴 - 下层幕布 D1           |
| 安装ValkScreenProfile 驱动边       | ValkScreenVision PRC 驱动边 E1                  |
| 测量ValkTrussClips 桁架夹基准线       | 标准桁架钢夹 ValkTrussClips with VSV PRC - 下层幕布 F1 |
| 幕线                            | 双层幕布幕线 - 使用涂层钢缆 G1 - 3                       |
| 驱动钢缆                          | 驱动钢缆 H1 - 4                                  |
| 回线滑轮 ( ValkPulley)            | 回线滑轮 (ValkPulley) I1                         |
| ValkTrussClips 幕线桁架钢夹         | 标准桁架钢夹 ValkTrussClips with VSV PRC - 下层幕布 J1 |
| 托幕线                           | 托幕线 - 下层幕布 K1                                |
| ValkKliMax驱动卡 (滑动) (移至章节P)    | N/A L1                                       |
| ValkScreenProfiles驱动边连接       | VSV PRC 驱动边 M1                               |
| ValkWireGuide 幕线定位卡           | ValkScreenVision N1                          |
| ValkScreenClip 幕布夹            | N/A O1                                       |
| ValkKliMax驱动卡 (Slide) (滑动)    | VSV P1 - 2                                   |
| 幕布收卷                          | VSV PRC - 下层幕布 Q1                            |
| 幕兜                            | 幕兜 - VSV PRC - 下层幕布 R1 - 5                   |

【系统声明】

您选择的是Van der Valk园艺系统公司的幕布系统。

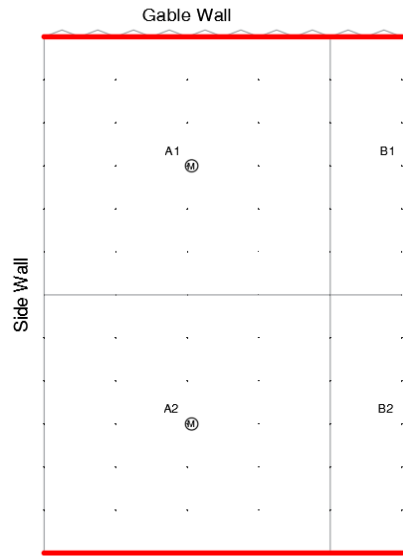
本手册为标准安装指南，具体安装图纸请参阅单独提供的项目图纸和报价单。

手册中的二维码包含补充说明视频，扫码即可观看。

- \* 本手册不针对具体项目
- \* 本手册无法律约束效力
- \* 本手册不授予任何安装权力
- \* 幕布和电机安装请参考相应供应商手册
- \* 安装顺序可能因为使用工具不同有所调整



扫描或点击此二维码会进入Youtube全部安装视频播放页面.您可以在相应页面找到具体二维码。



50.7-.055.----



50.70.055.----



55.40.20 M8x20



55.40.05 M8



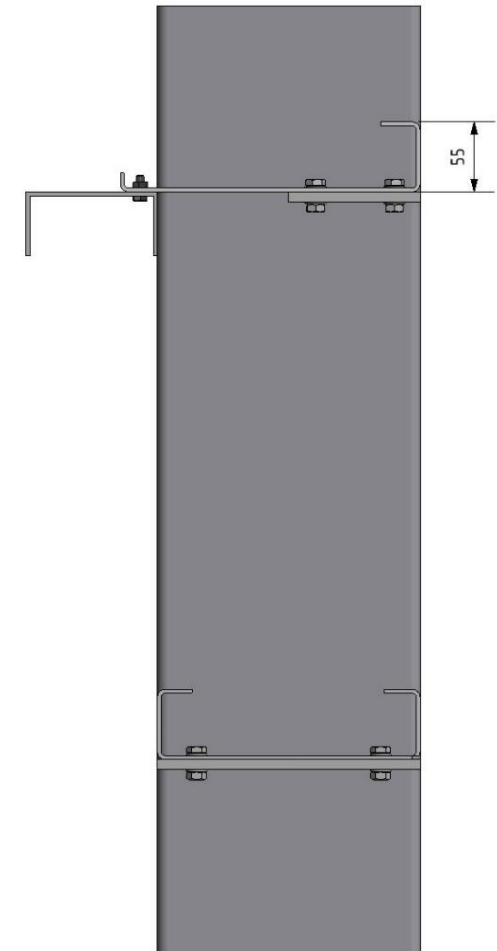
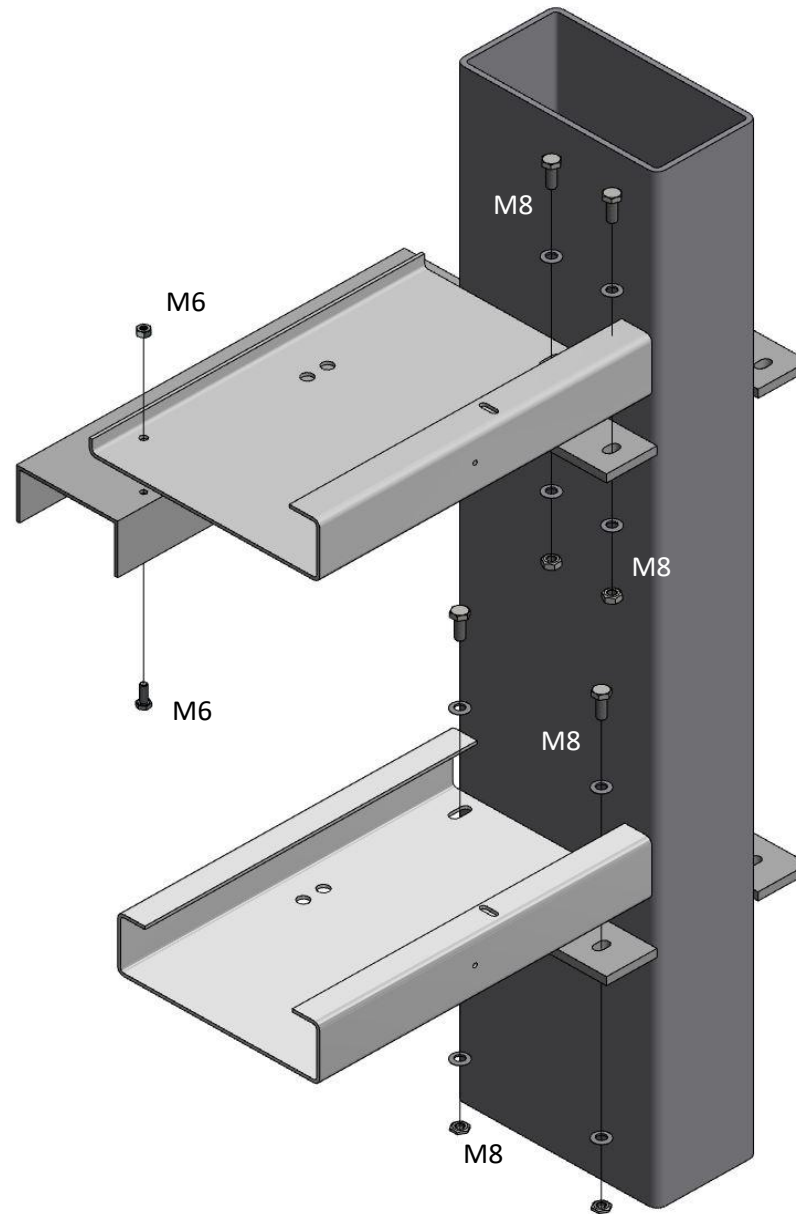
53.55.17 M8



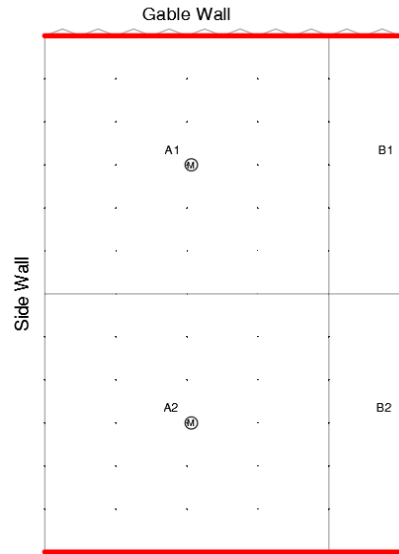
55.30.16 M6x16



55.30.00 M6



注意：幕板上沿需与桁架上弦杆下沿平齐



50.71.----



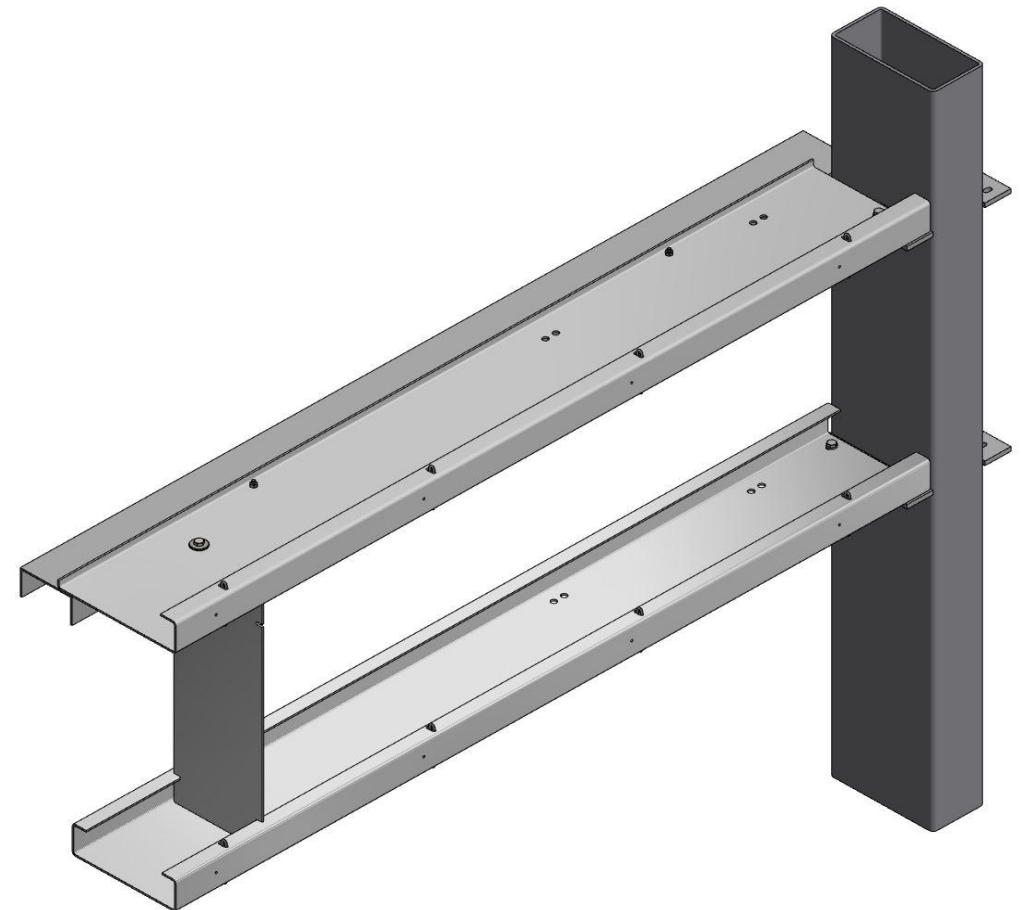
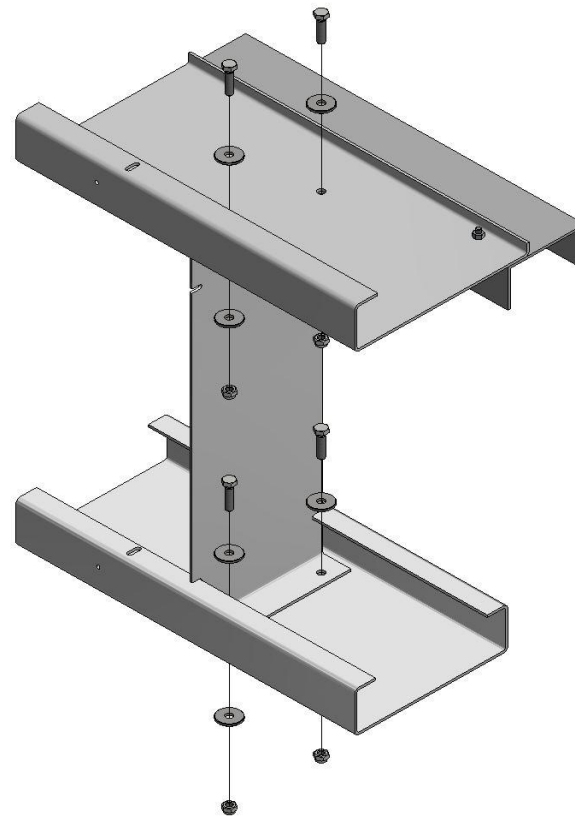
55.40.30 M8x30

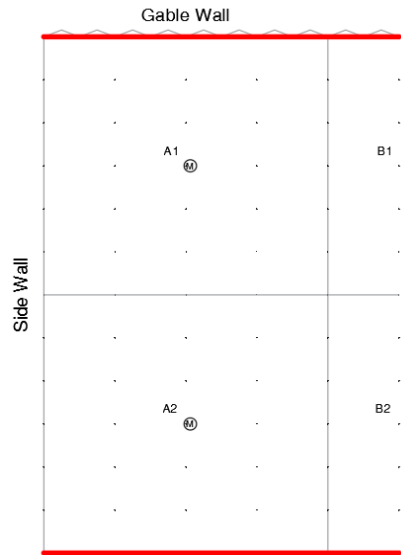


53.55.38 M8

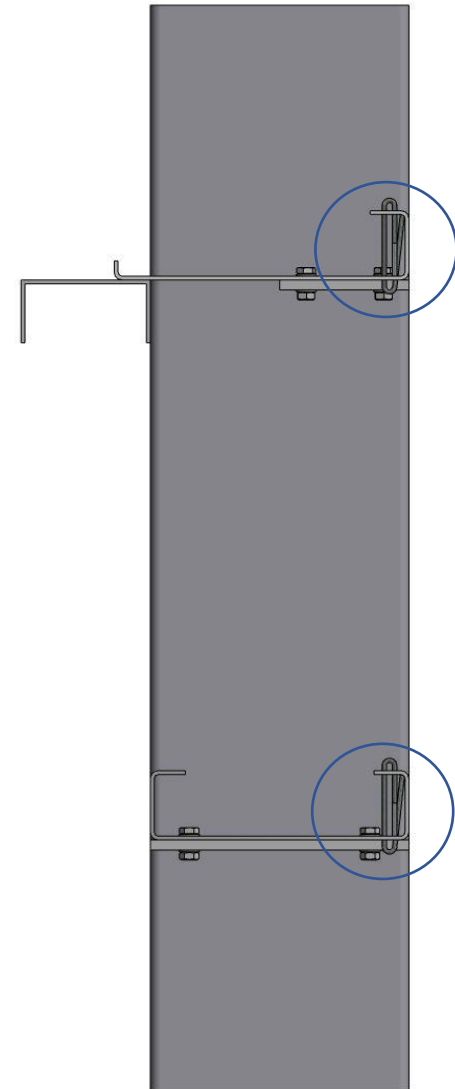
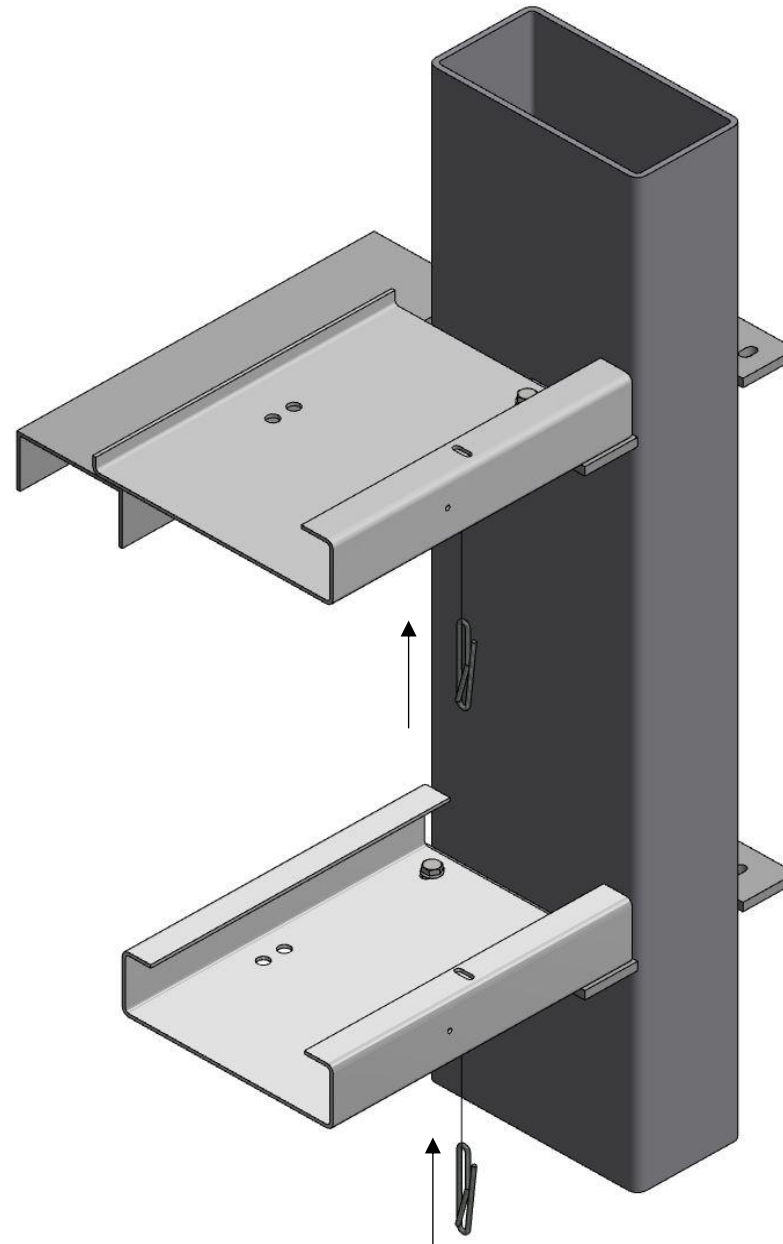


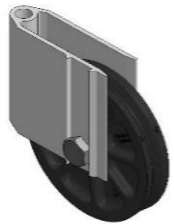
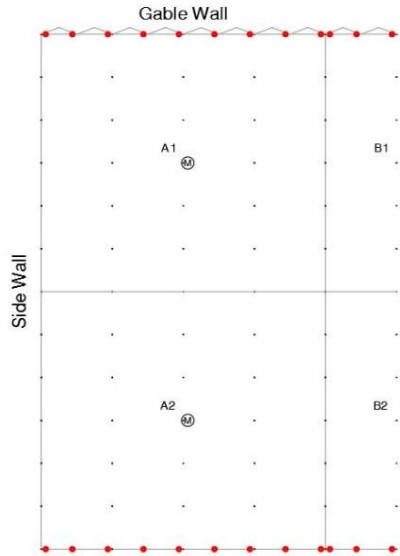
55.40.05 M8





45.81.85





44.81.30



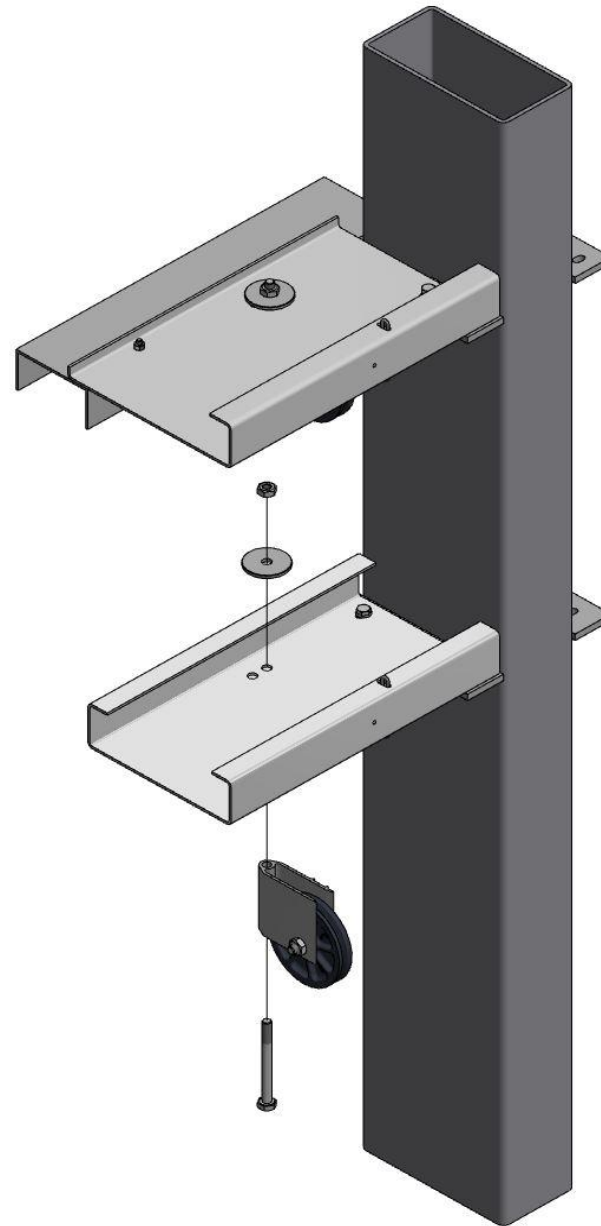
55.51.00 M10x100



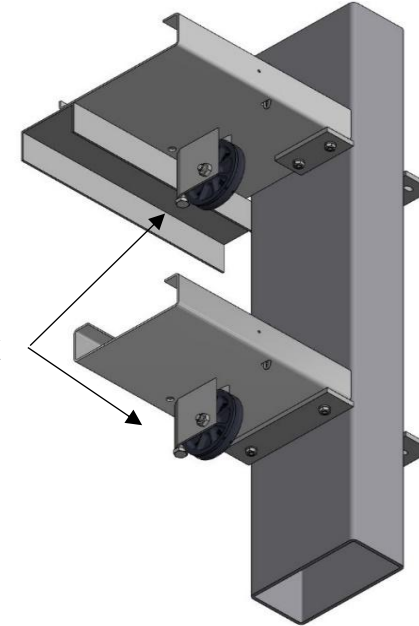
53.55.42 M10



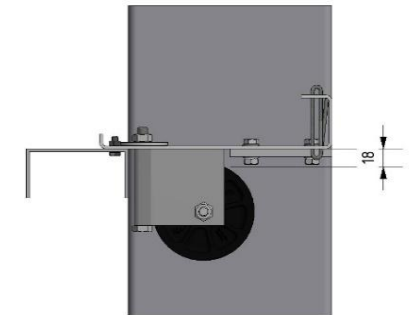
55.50.00 M10



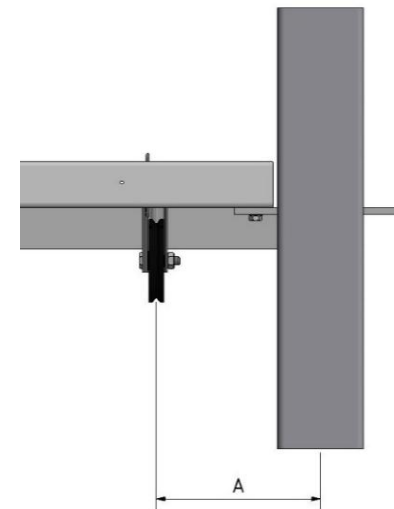
2X



端幕梁上有2个换向轮孔，  
使用其中一个

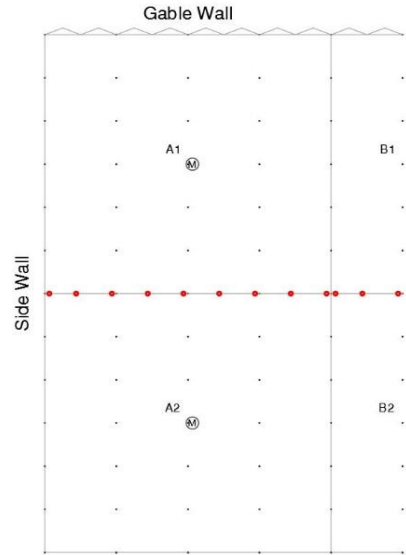


注意：使用幕线钢钩时，  
端幕梁底部与驱动钢缆  
距离18mm



具体尺寸A，请参考项目专属图纸





(上弦管宽和高)  
44.740.---.--- black



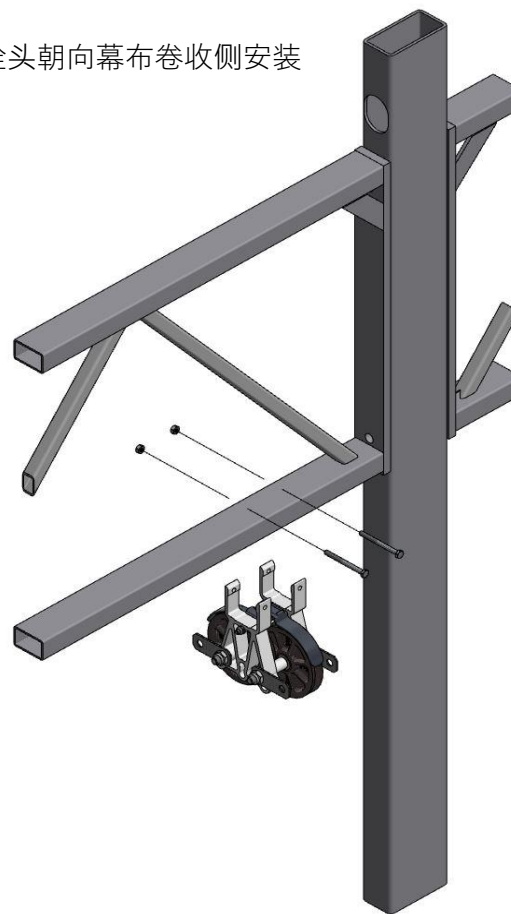
(上弦管宽和高)  
44.750.---.--- grey



(桁架宽+15mm)  
55.30.--

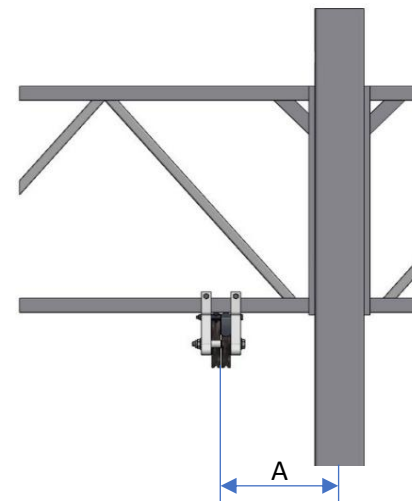
55.30.00

螺栓头朝向幕布卷收侧安装



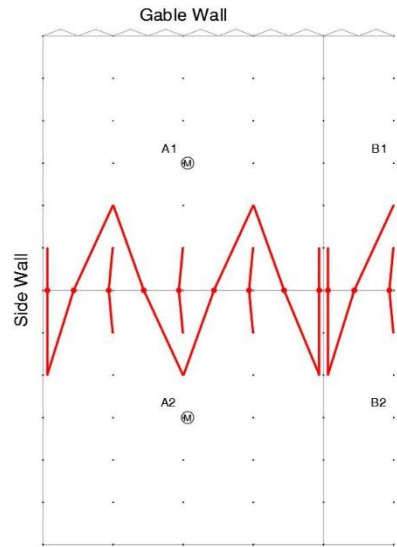
Closing Side

Package Side

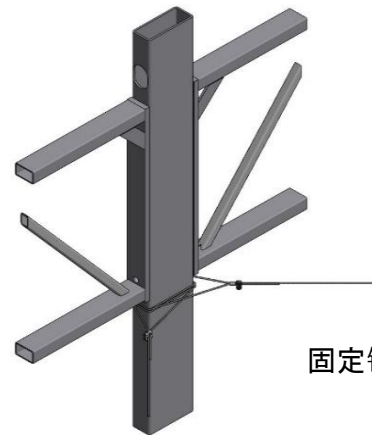


具体尺寸A, 请参考项目专属图纸





立柱处紧固：

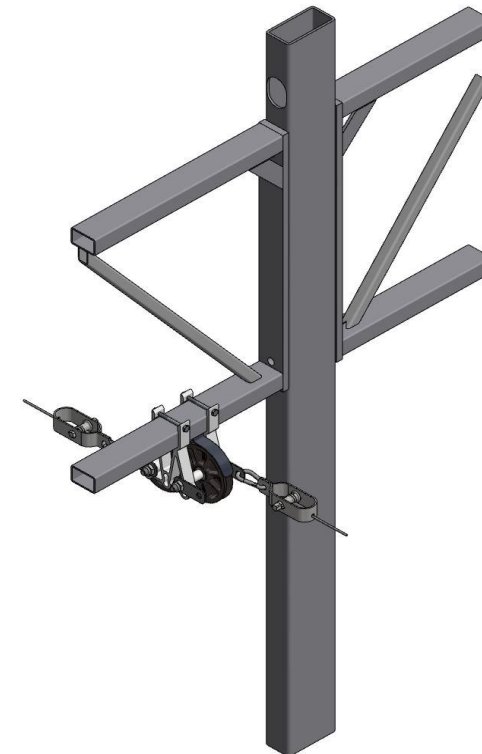


固定钢丝绳绕立柱捆扎

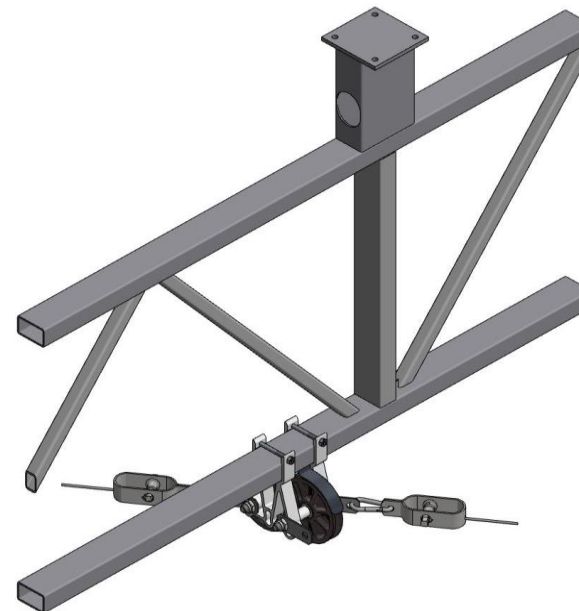
当换向轮靠近桁架中间时斜拉

当换向轮靠近立柱时直拉

立柱：



铝天沟：



48.10.17



48.80.40



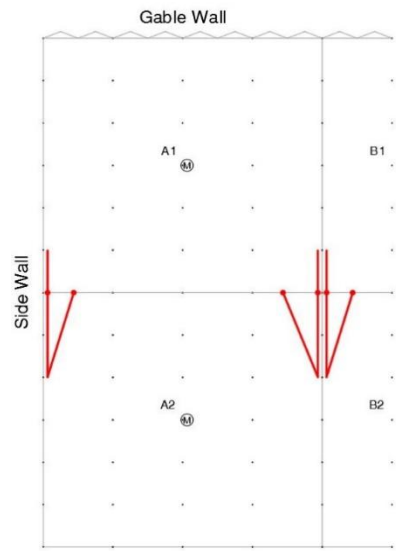
48.80.12



48.80.30



48.80.37



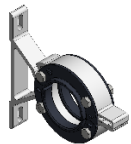
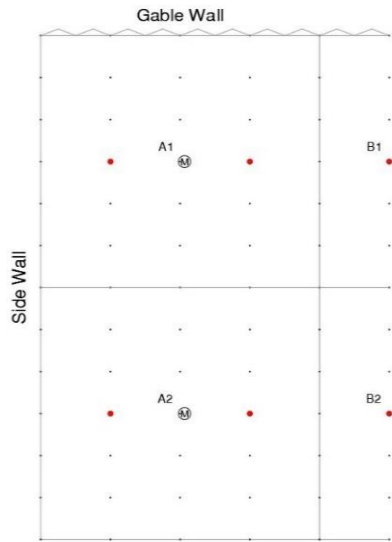
(桁架高)  
44.82.10.----



53.57.20



安装支撑板至与钢丝绳拉力相反的方向



44.82.16



(立柱宽度+20mm)

55.40.--

M8x---



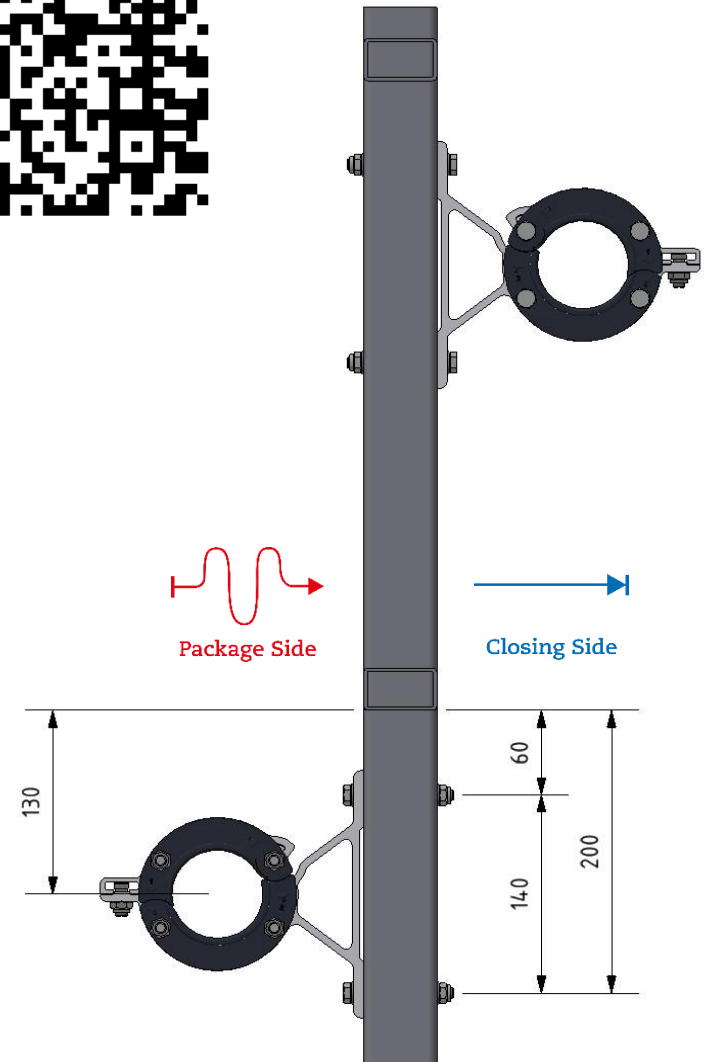
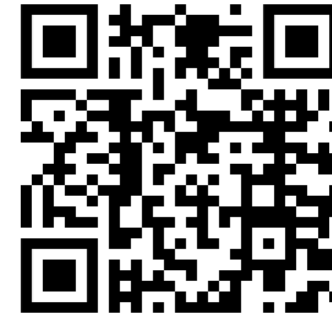
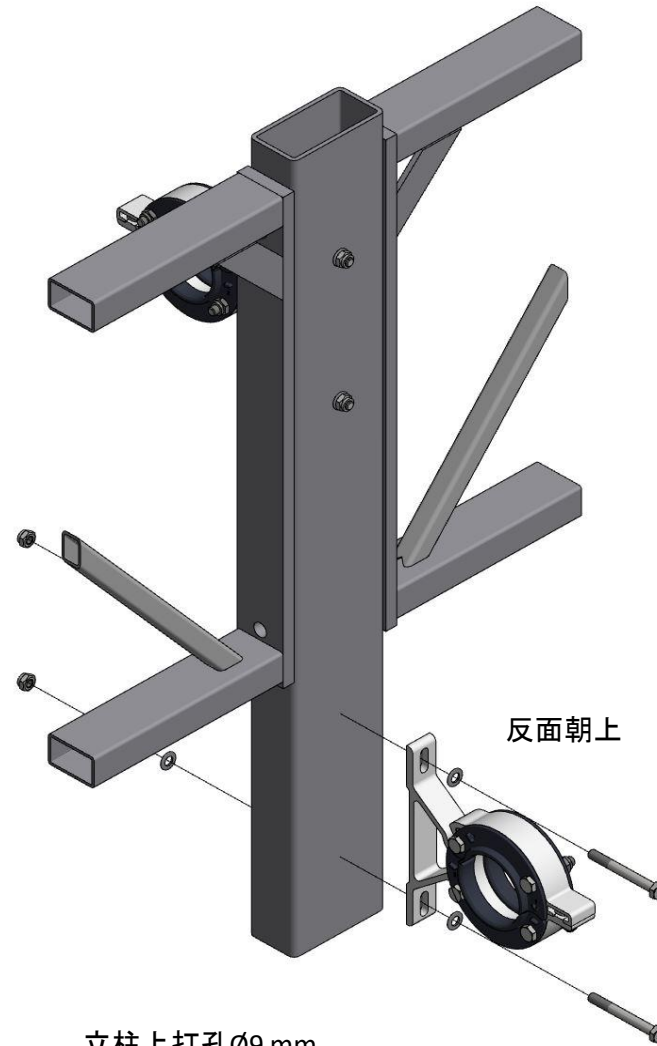
55.40.00

M8



53.55.17

M8



详细位置参考项目图纸



(桁架高)  
44.82.11.----

53.41.-- M8x--

55.40.05

详细位置参考项目图纸



44.82.16



44.85.--



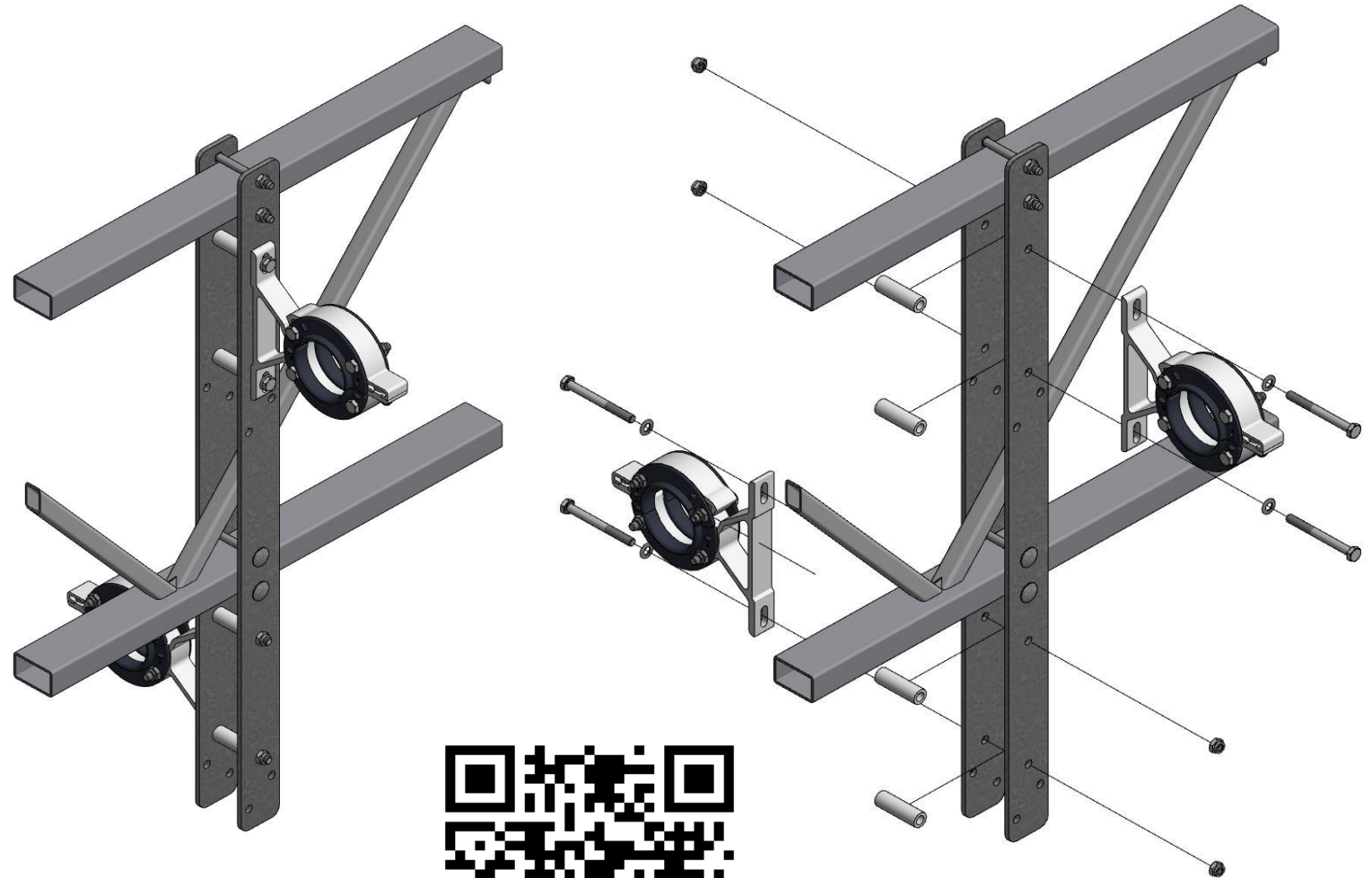
(桁架宽+20mm)  
53.41.-- M8x--



53.55.17 M8



55.40.05 M8



详细位置参考项目图纸



48.10.17



48.80.40



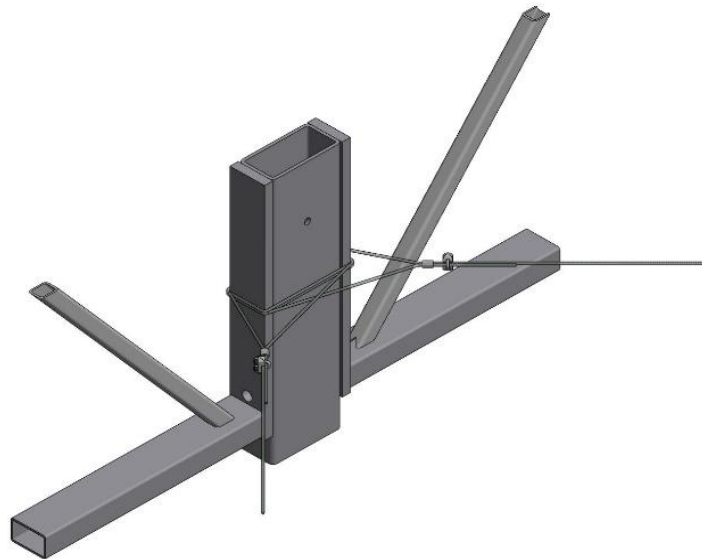
48.80.12



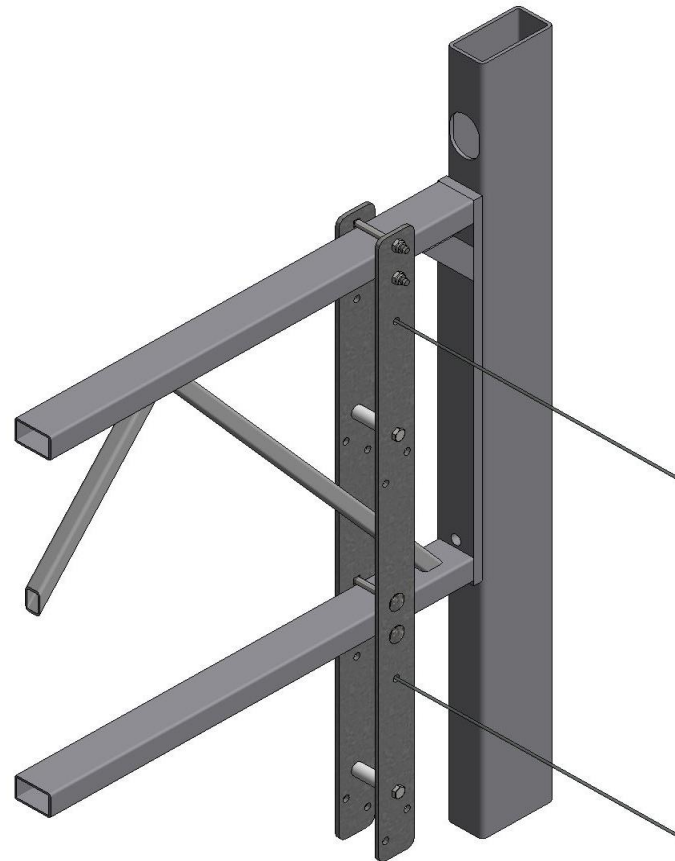
48.80.30



48.80.37



详细位置参考项目图纸



(桁架高)  
44.82.11.-----



53.41.--

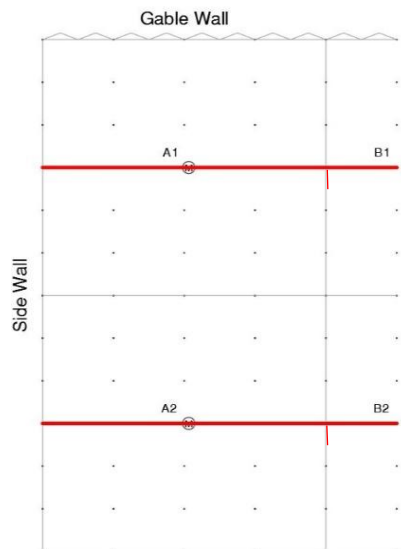


44.85.--



55.40.05



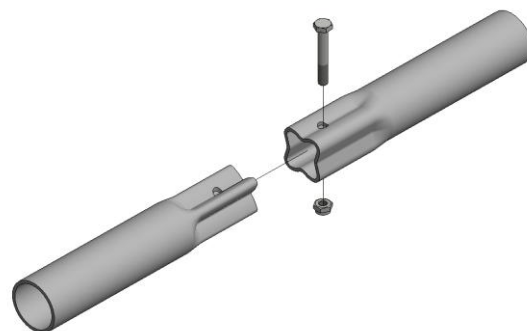


扭矩设定参考章节H

轴端面使用塑料帽密封

注意：

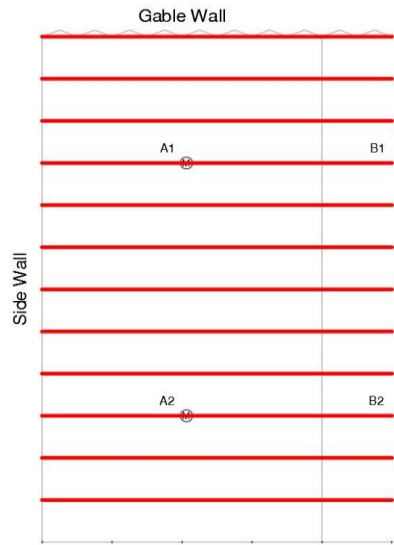
传动轴安装位置详  
见具体项目图纸



注意：安装前先套入紧线器



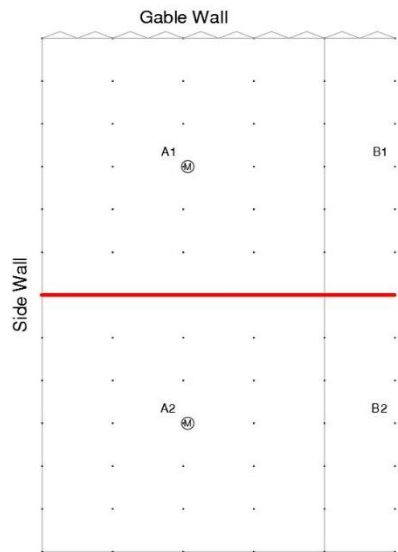
电机安装指导参考电机供应商手册



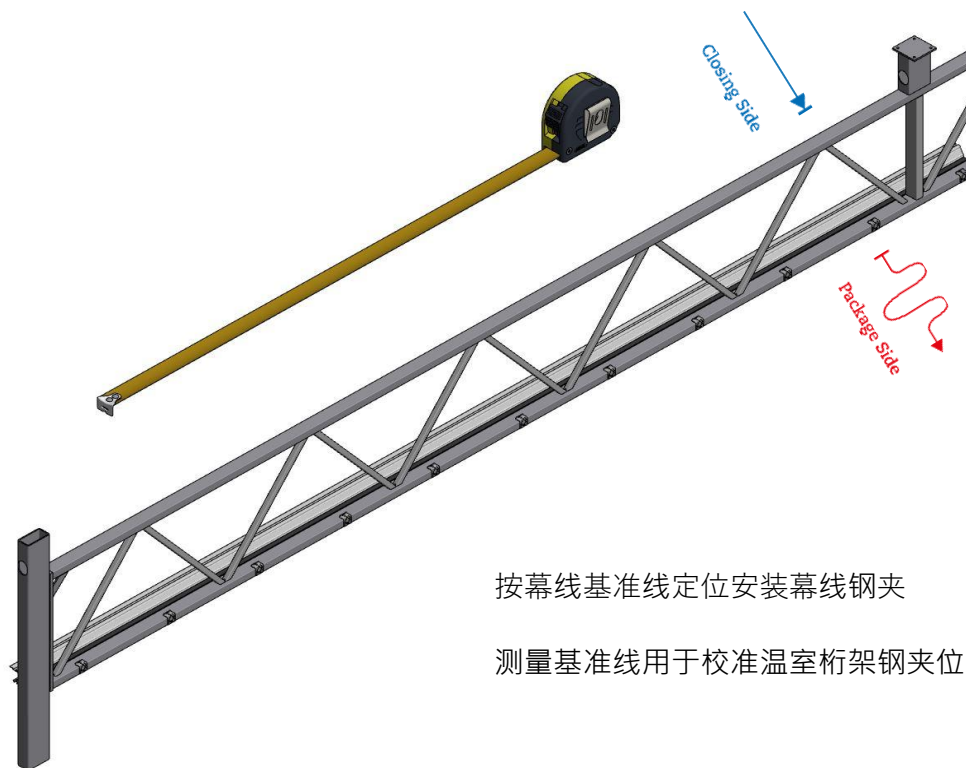
(驱动边长度)  
43.81.-----  
VSV PRC 35 mm



暂时悬挂驱动边在桁架上

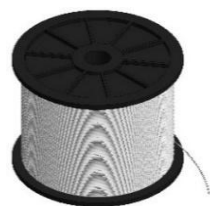
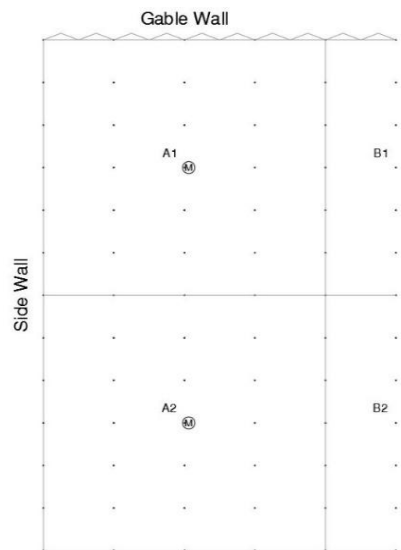


$H + 2 \text{ mm}$   
45.20.--

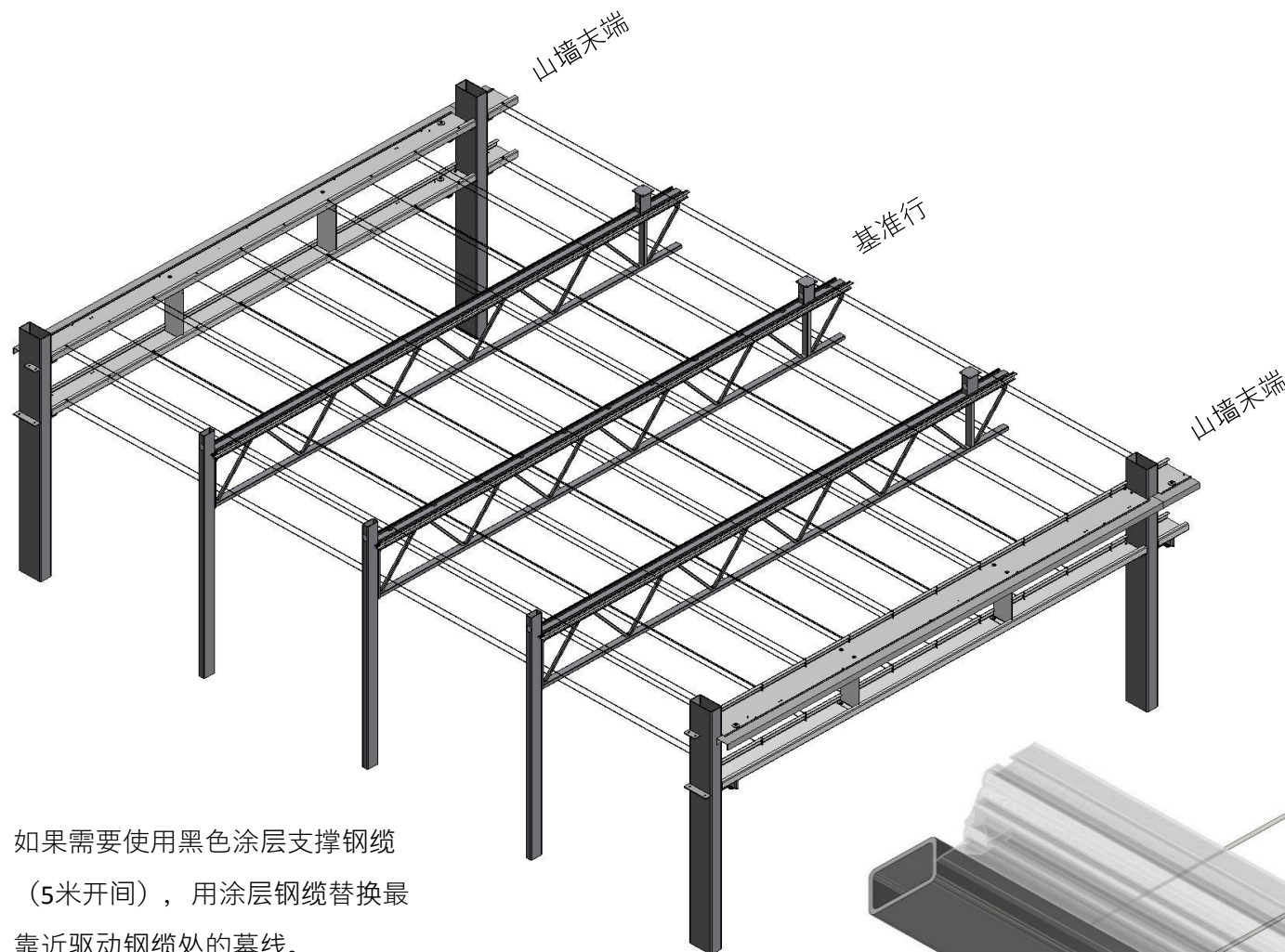


按幕线基准线定位安装幕线钢夹

测量基准线用于校准温室桁架钢夹位置

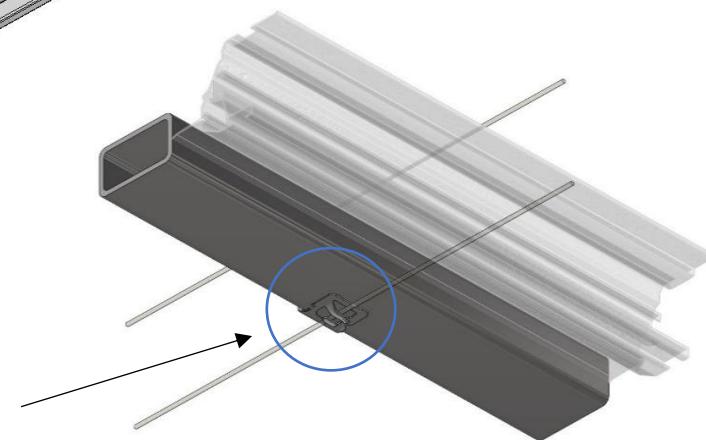


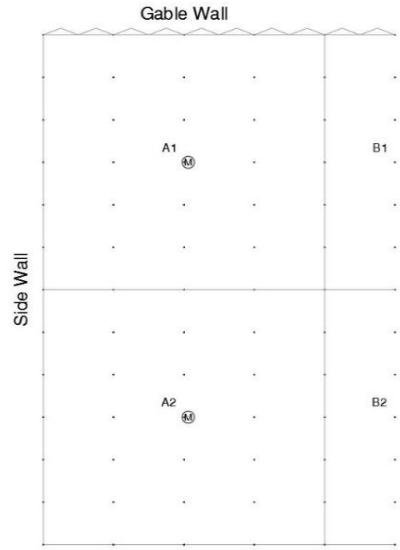
48.50.30



如果需要使用黑色涂层支撑钢缆  
(5米开间)，用涂层钢缆替换最  
靠近驱动钢缆处的幕线。

把幕线卡进基准行的幕线钢夹





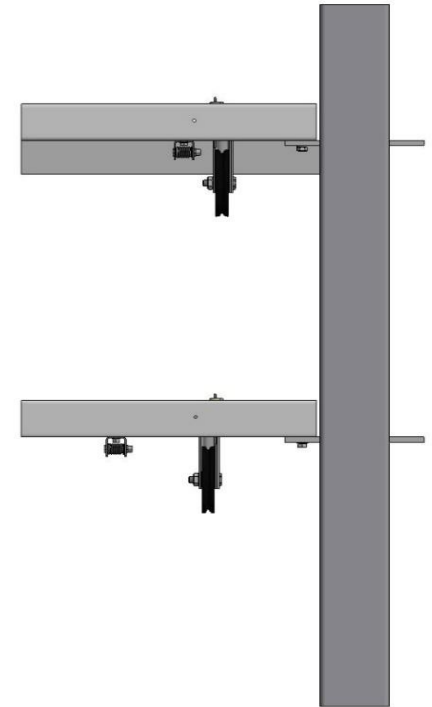
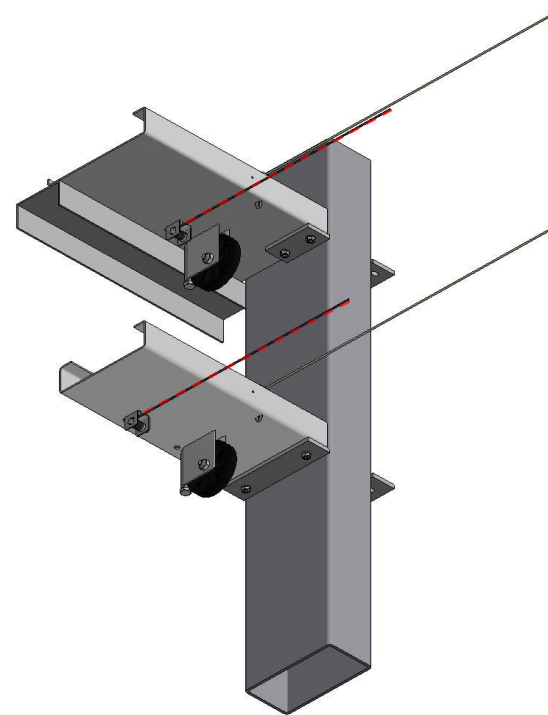
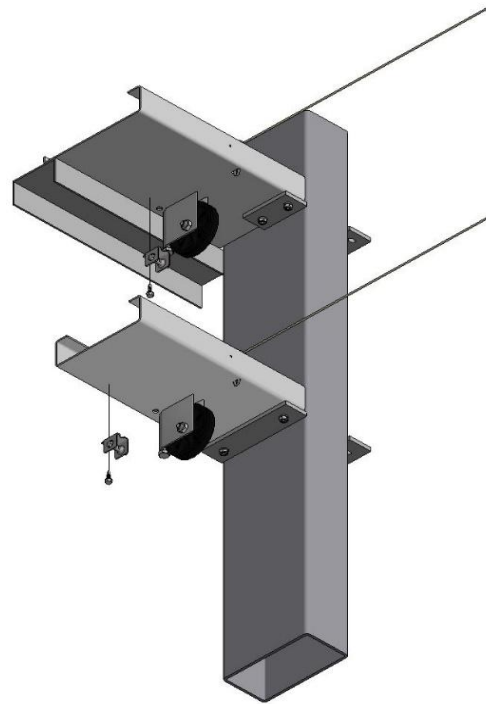
48.20.15



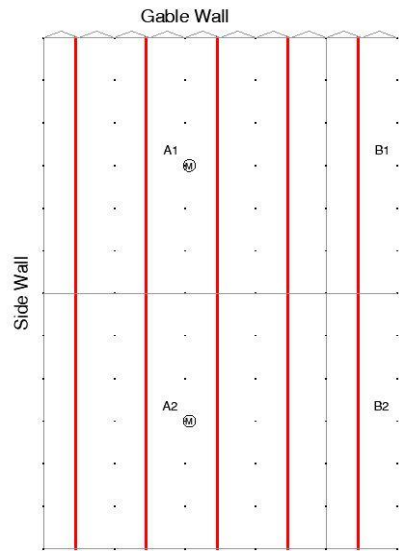
48.80.10



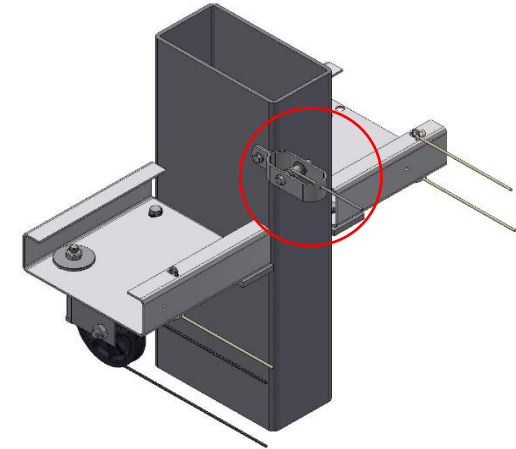
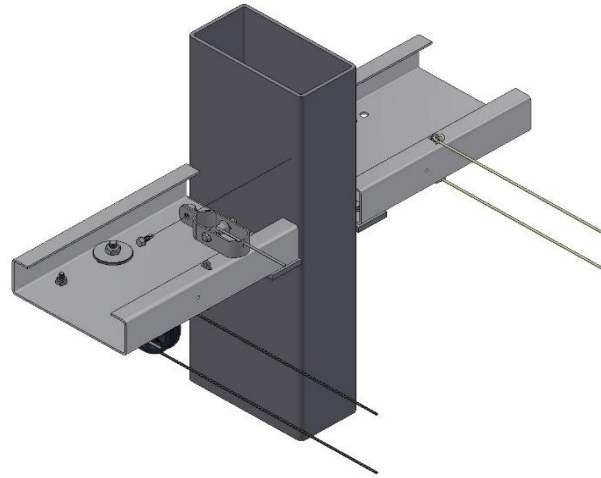
53.57.20







注意：  
仅用于下层幕布



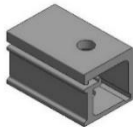
48.15.20



48.80.12



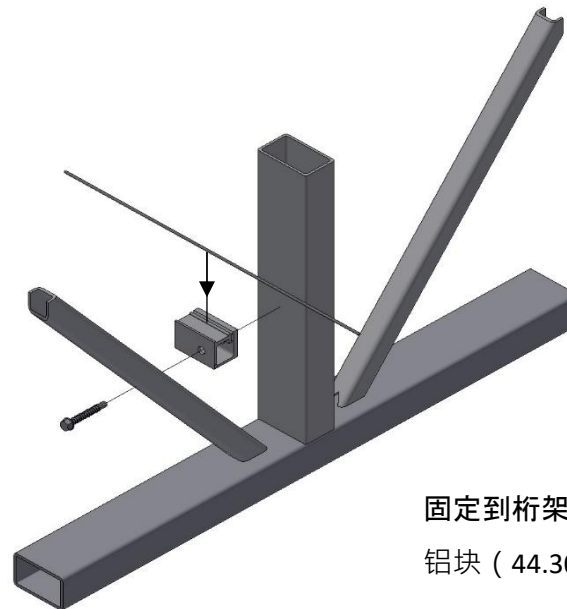
53.57.20



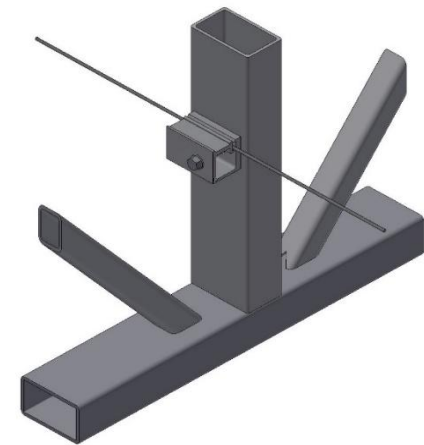
44.30.10



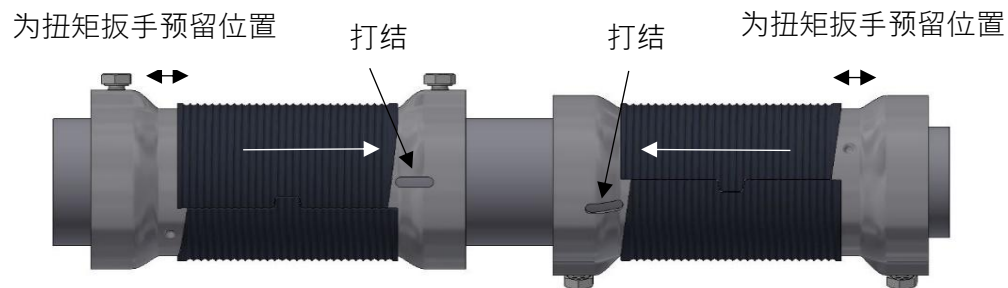
53.57.15



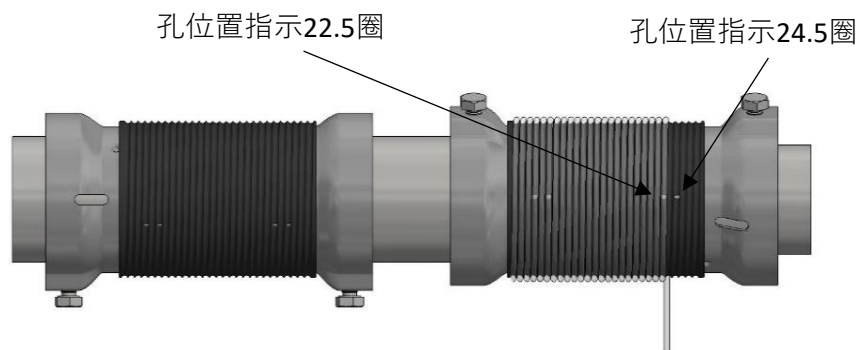
固定到桁架前放置钢丝绳到固定  
铝块 (44.30.10)



1. 确保塑料卷线膜移动到打结一侧，这是为了在另一侧预留扭矩扳手位置。

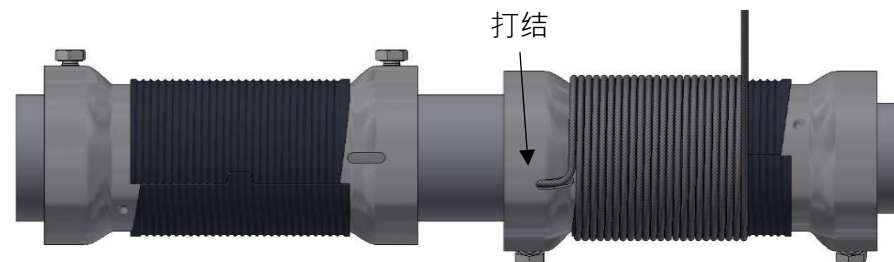


2. 塑料套筒上的孔代表着特定开间钢丝绳所绕圈数。

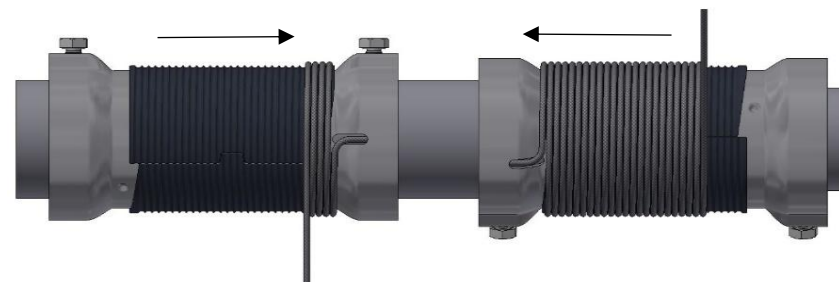


| 开间尺寸 (mm) | 紧线套筒1上的圈数 | 紧线套筒2上的圈数 |
|-----------|-----------|-----------|
| 3200      | 3,5       | 17,5      |
| 3658      | 3,5       | 19,5      |
| 4000      | 3,5       | 20,5      |
| 4500      | 3,5       | 22,5      |
| 5000      | 3,5       | 24,5      |

3. 钢丝绳末端打结并缠绕所需要的圈数。



4. 滑动两个ValkWireTensioners'紧线套筒对接并隐藏线结。



5. 最终，钢丝绳需要缠绕至ValkWireTensioner'紧线套筒如图例所示。



所需要的扭矩，参考章节H2及H3





61.16.11



61.16.12



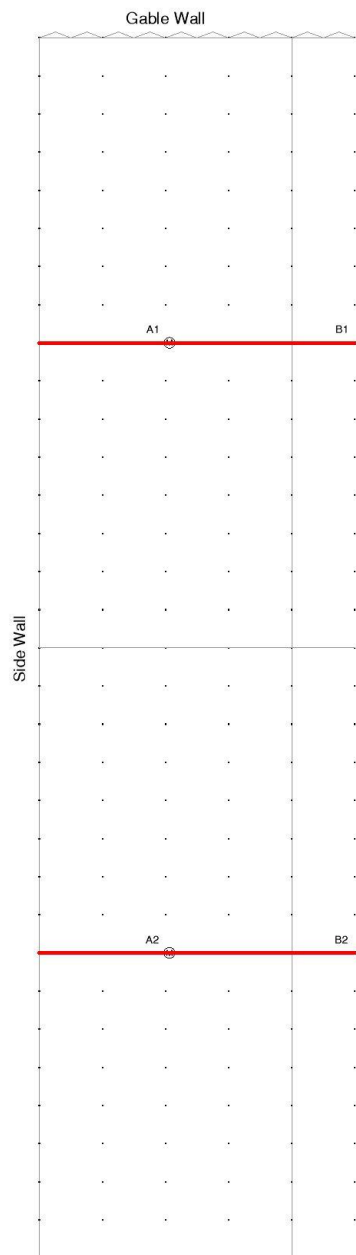
61.16.15

以上所需工具是选配件，  
可向Van der Valk 订购



放置扭矩扳手61.16.11在紧线套筒上剩余位置

所需要的扭矩， 参考章节H3



ValkKliMax 绿色弹簧驱动卡最大滑动摩擦力3kg  
ValkKliMax 原色弹簧驱动卡最大滑动摩擦力6kg  
ValkKliMax 红色弹簧驱动卡最大滑动摩擦力9kg

在中立位置（安装位置），需要施加一个系统预张力。  
预张力的设定对系统正确运行至关重要。  
预张力的设定值取决于钢丝绳上驱动卡的数量。

| 钢丝绳张力<br>计算 | 扭矩扳手扭<br>矩值设定 |
|-------------|---------------|
| [kg]        | [Nm]          |
| 40          | 20            |
| 50          | 25            |
| 60          | 30            |
| 80          | 40            |
| 100         | 50            |
| 130         | 60            |

$$\text{钢丝绳预张力} = \frac{(\text{ValkKliMax 驱动卡数量} \times \text{最大滑动摩擦力})}{2} + 20 \text{ kg}$$

举例：左侧示意温室，16开间配原色弹簧驱动卡

$$\text{钢丝绳预张力} = \frac{(16 \times 6 \text{ kg})}{2} + 20 \text{ kg} = 68 \text{ kg}$$

扭矩必须设定在35Nm左右（见表格计算）

**注意：**

当设定拉幕系统电机时，请确保幕布展开或者收卷后钢丝绳有额外20cm位移。



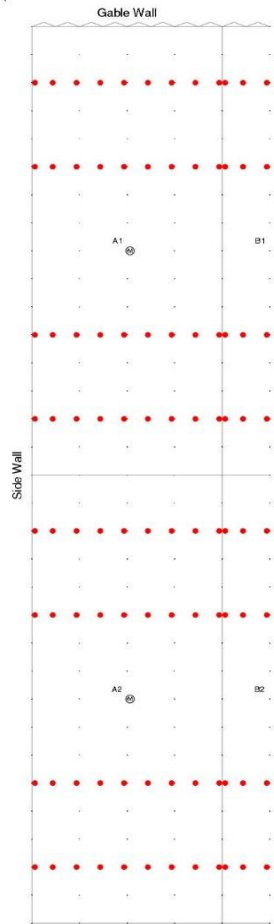
3 kg



6 kg



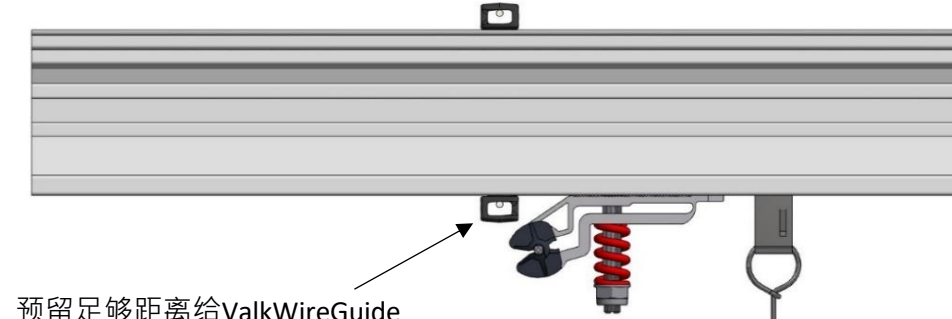
9 kg



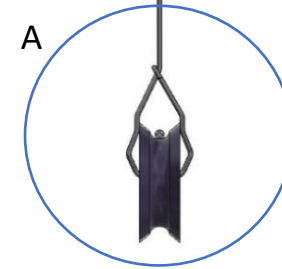
安装  
ValkPulley  
小调论每3  
个开间一个



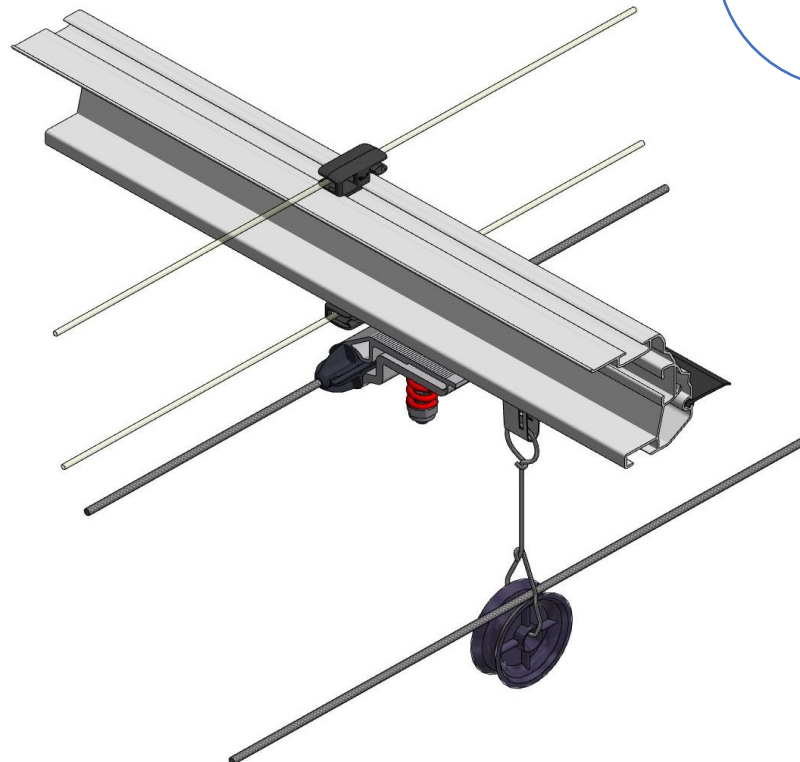
44.27.77



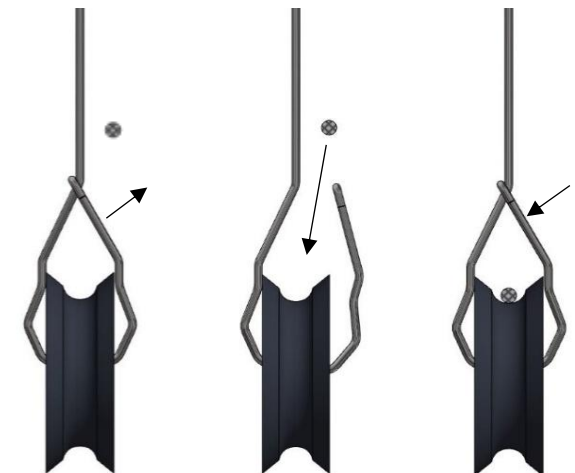
预留足够距离给ValkWireGuide  
幕线定位卡滑动。



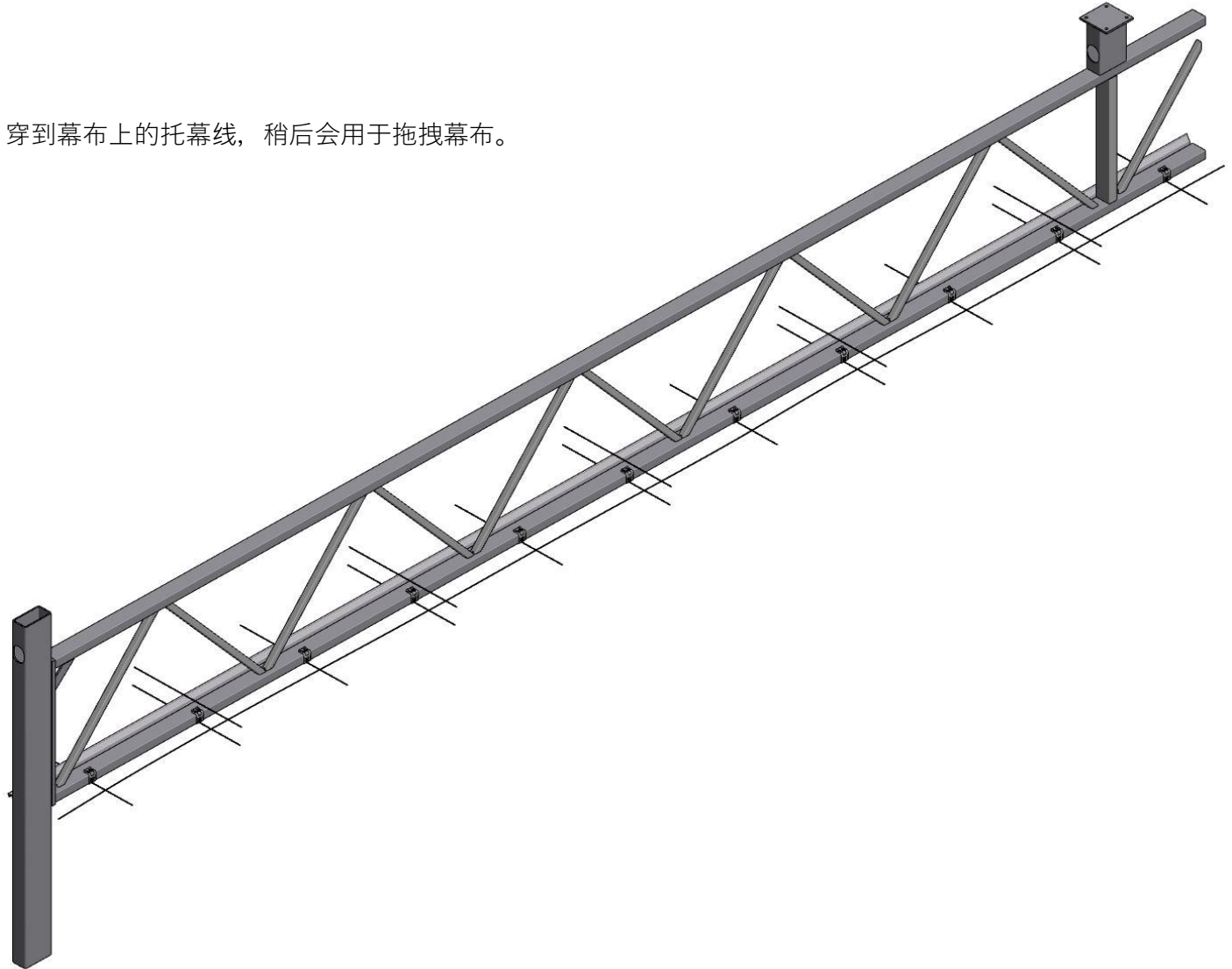
回线钢丝绳在ValkPulley  
吊轮里是可以摇摆的。



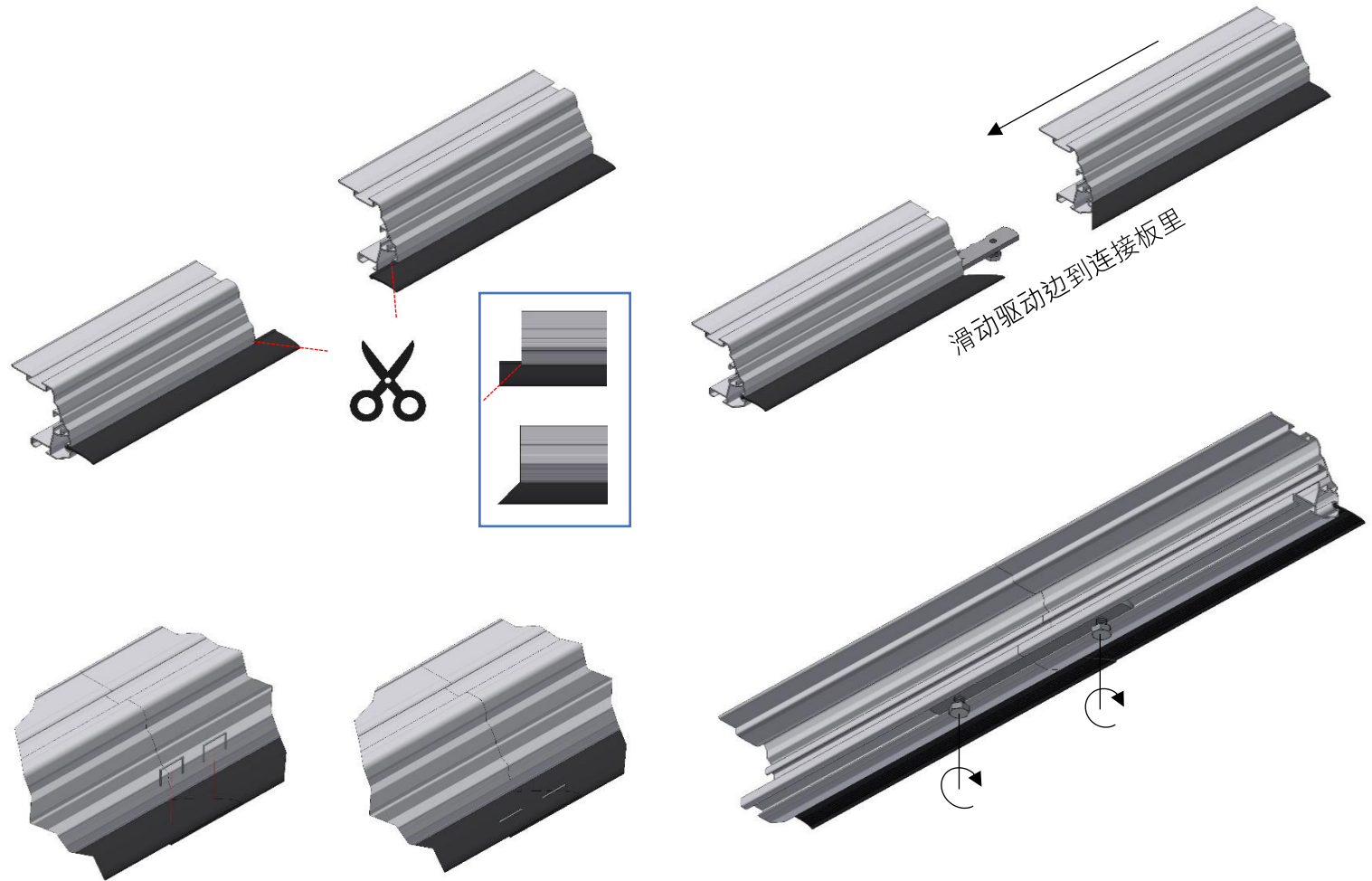
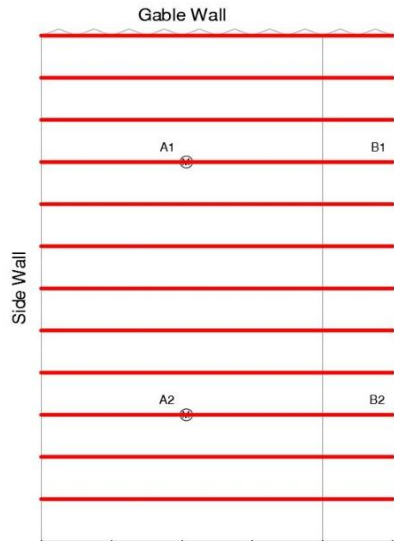
细节A



穿到幕布上的托幕线，稍后会用于拖拽幕布。

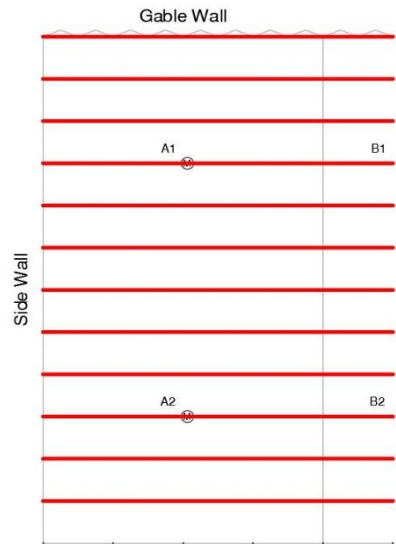


48.55.03

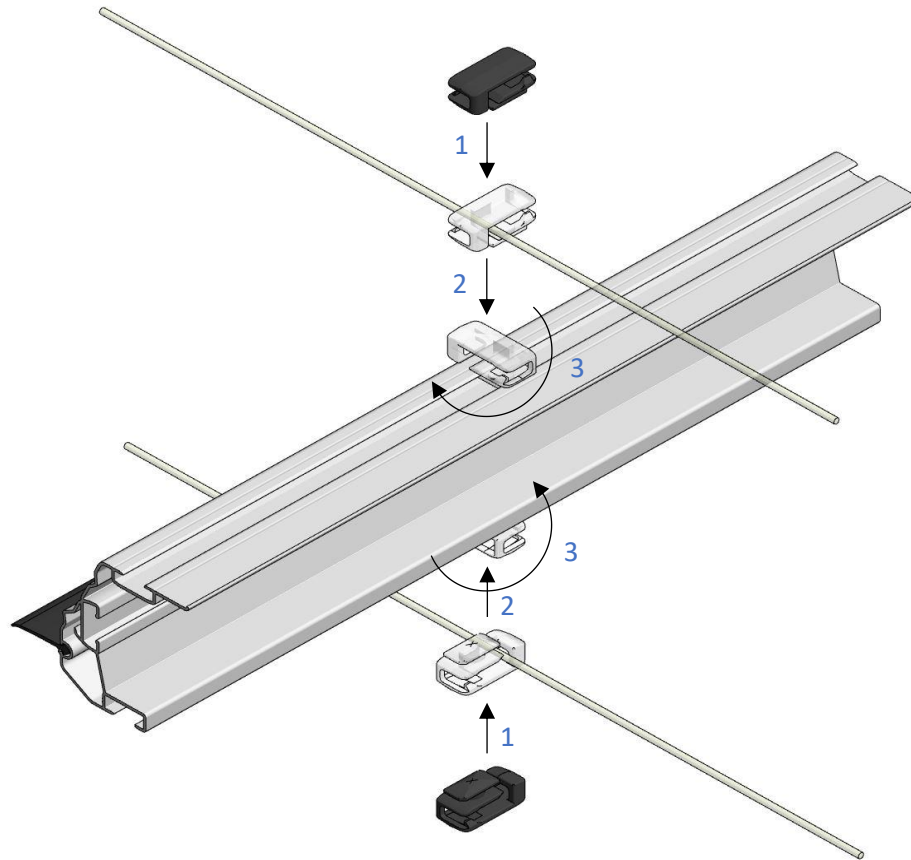


**注意：**

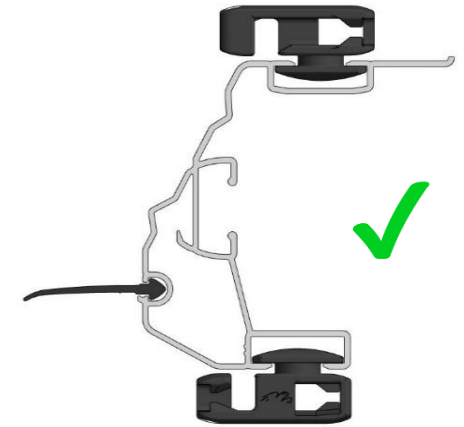
驱动边连接顺序，参考页面E1或者具体项目图纸。



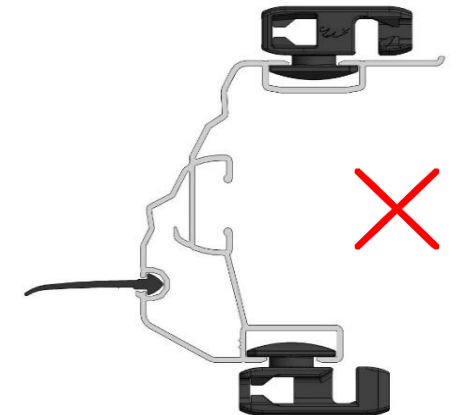
44.15.27



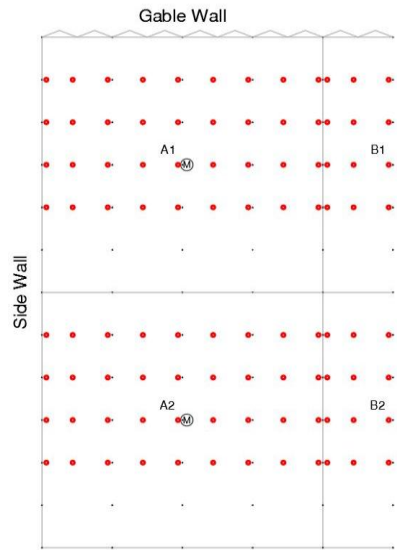
1. 滑动幕线定位卡模块固定幕线。
2. 把幕线定位卡模块插入驱动边腔室。
3. 转动幕线定位卡模块直到听到‘咔嚓’一声，确保开口朝向正确的方向。



安装幕线定位卡使开口方向如图所示



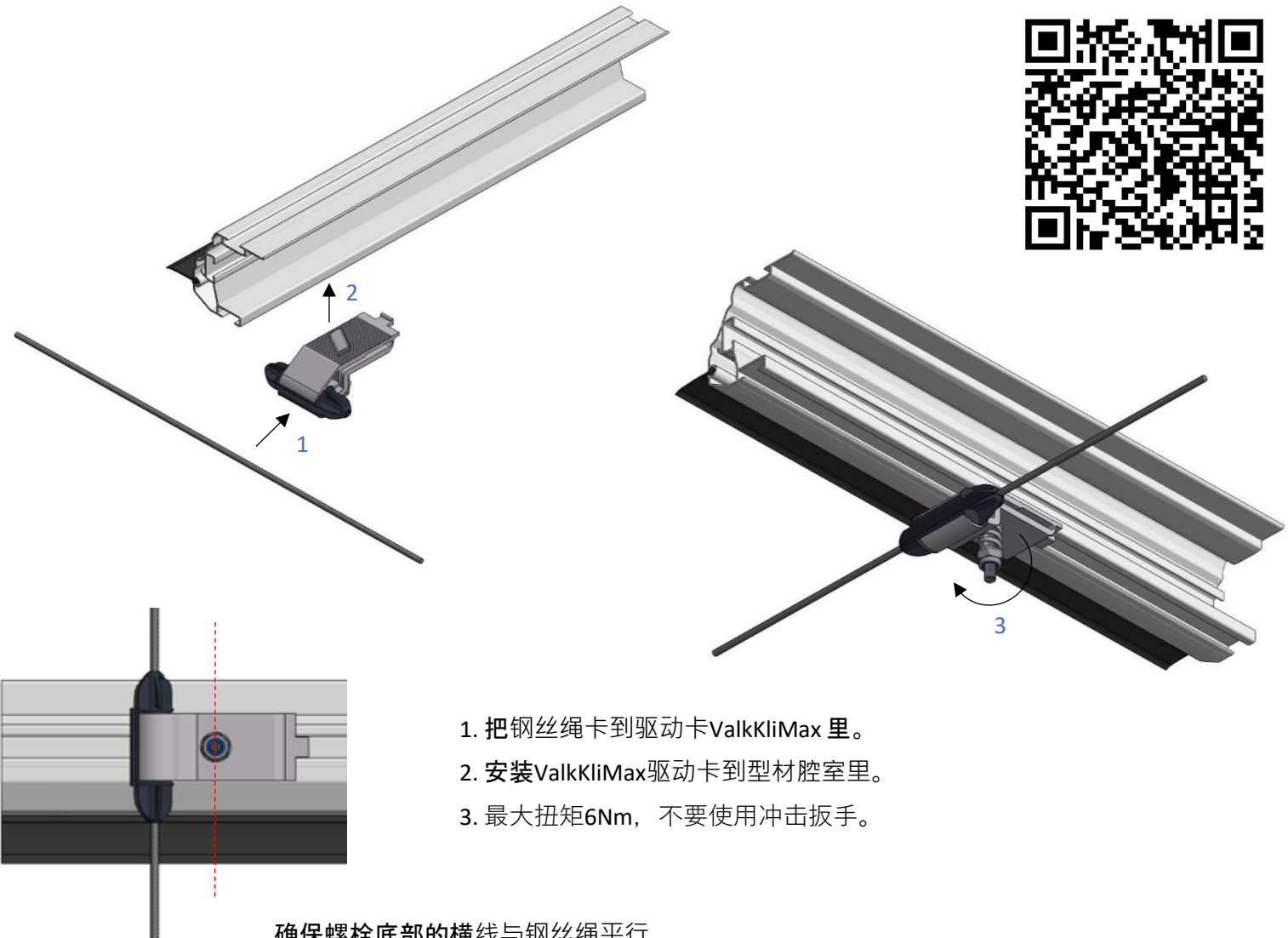


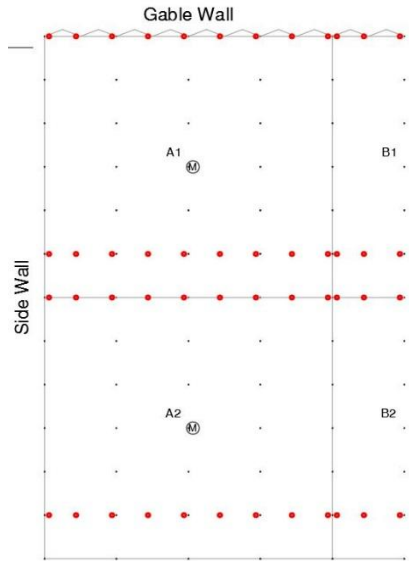


44.40.34 (绿色弹簧, 3 kg)  
44.40.35 (原色弹簧, 6 kg)  
44.40.36 (红色弹簧, 9 kg)

ValkKliMax 滑动驱动卡模块安装位置参考详细项目图纸

紧挨着换向轮前后的开间需要使用可滑动的ValkKliMax驱动卡。





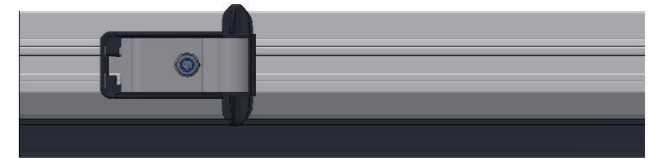
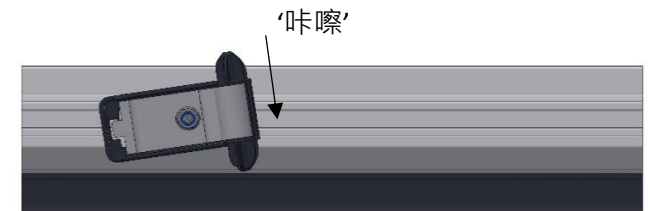
ValkKliMax 滑动驱动卡模块安装位置参考详细项目图纸



44.40.44 (绿色弹簧, 3 kg)

44.40.45 (蓝色弹簧, 6 kg)

44.40.46 (黑色弹簧, 9 kg)



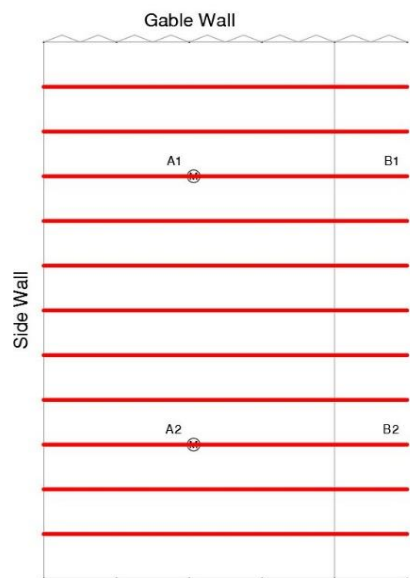
钢丝绳安装到ValkKliMax 滑动驱动卡模块, 使驱动卡头朝向幕线方向。

驱动钢缆



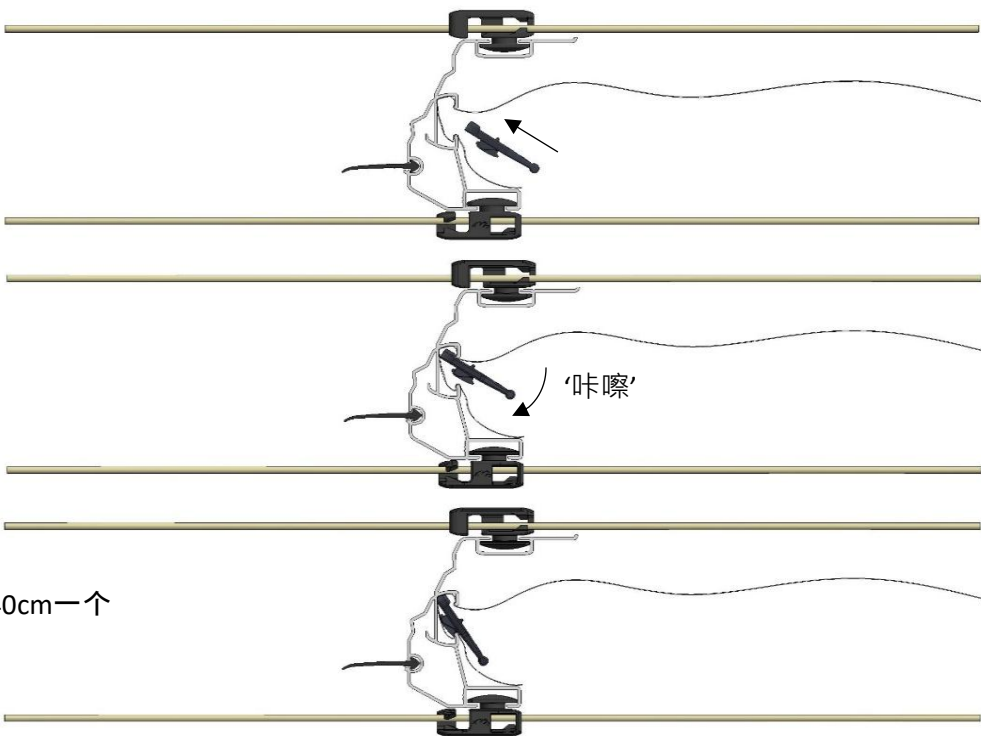
**注意：**

最大扭矩6Nm, 不要使用冲击扳手

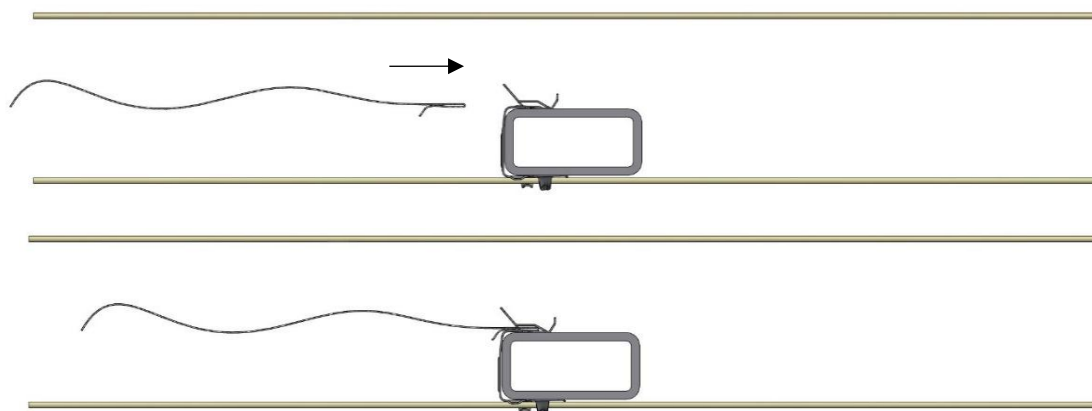


44.15.42

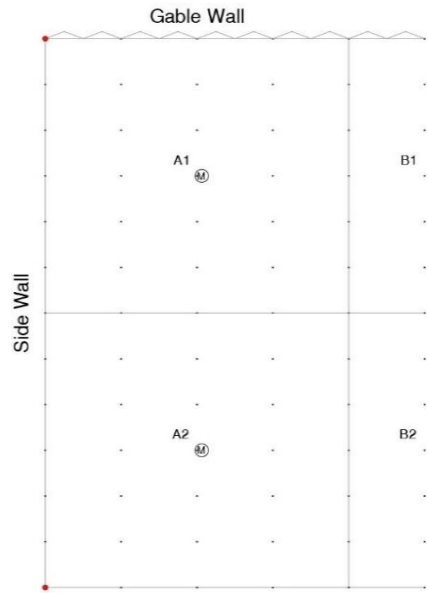
穿到幕布上的托幕线，稍后会用于拖拽幕布。



安装幕布夹每40cm一个



使用工具将幕布暂时悬挂于桁架



44.84.25



55.40.20 M8x20



55.40.05 M8



48.80.10



55.30.16 M6x16



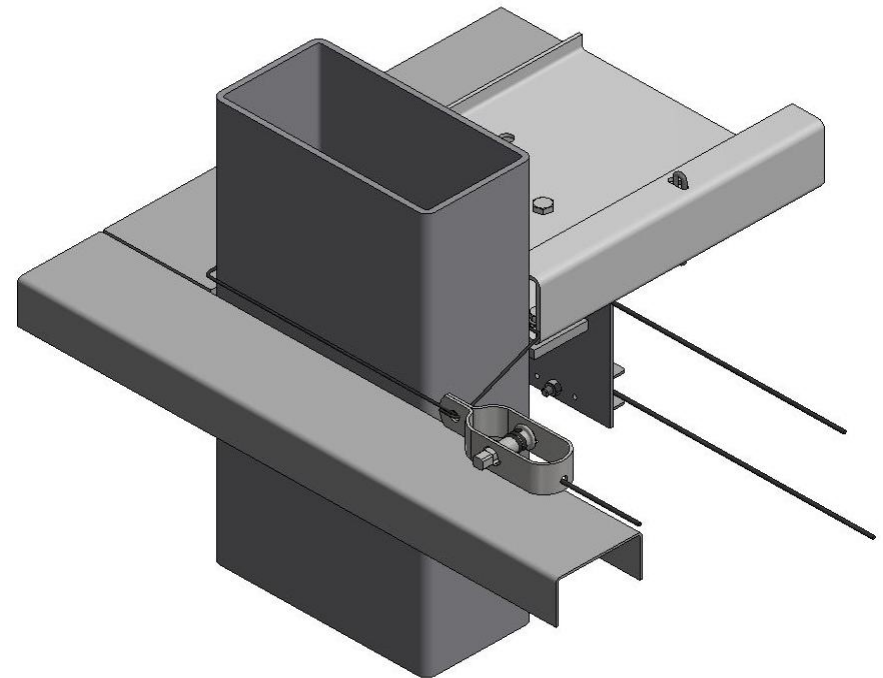
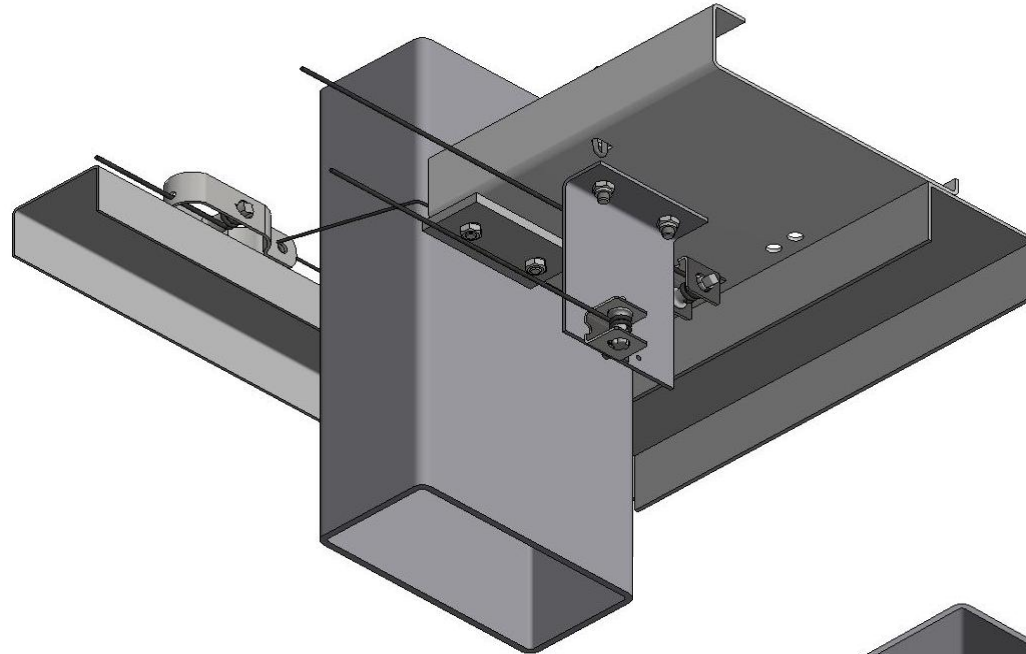
55.30.00 M6

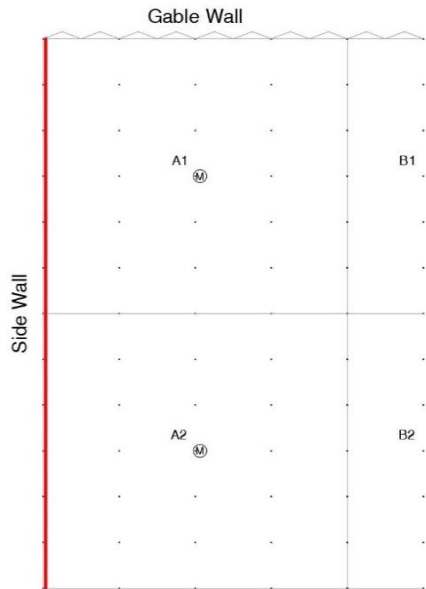


48.20.15



48.80.12

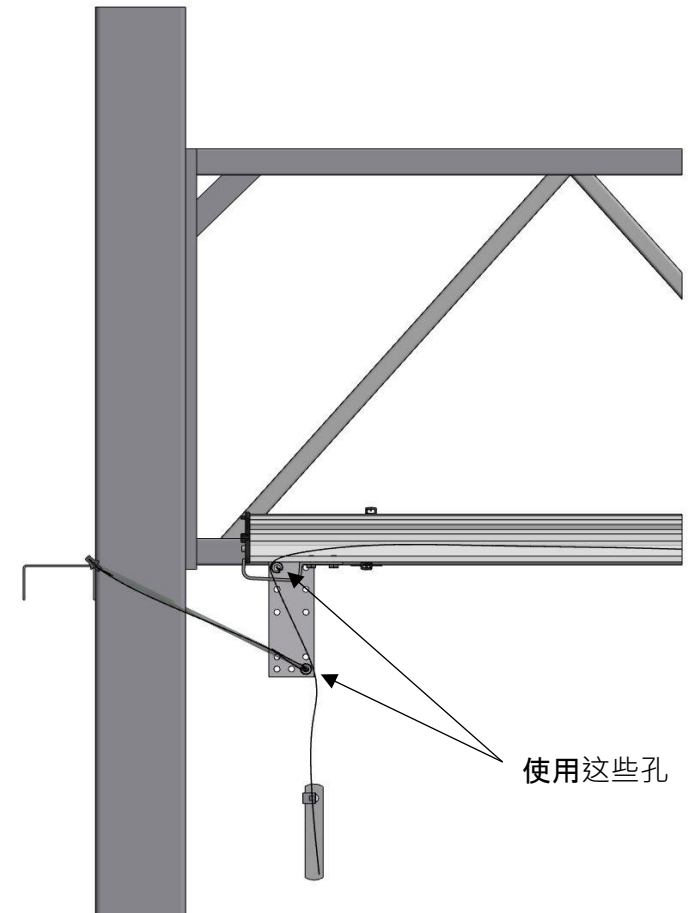
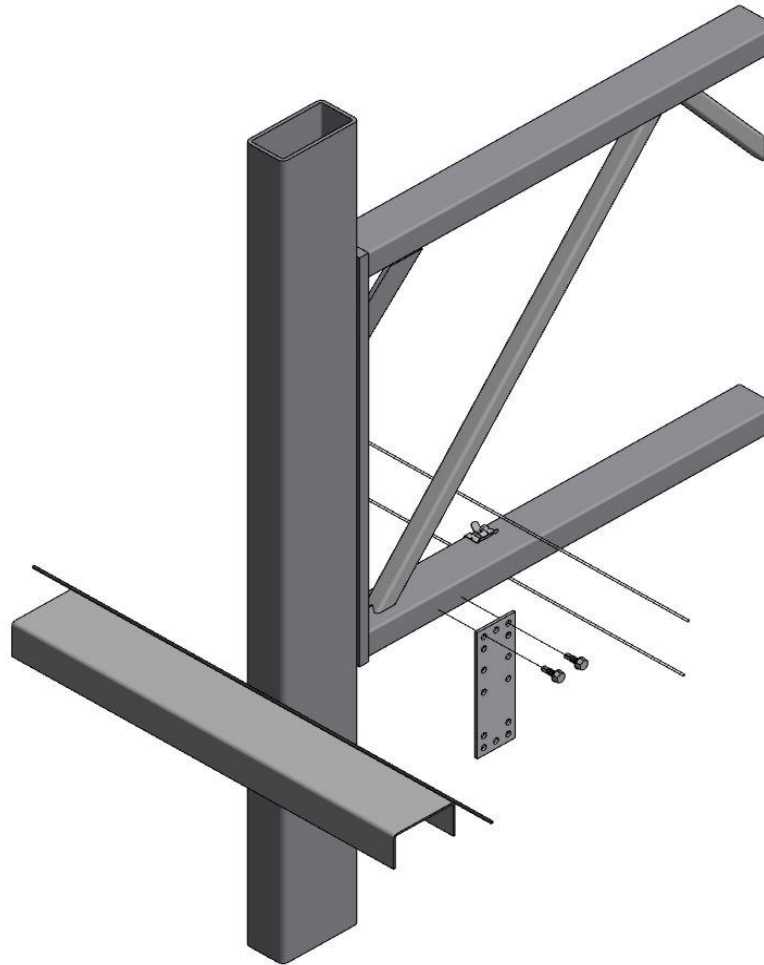


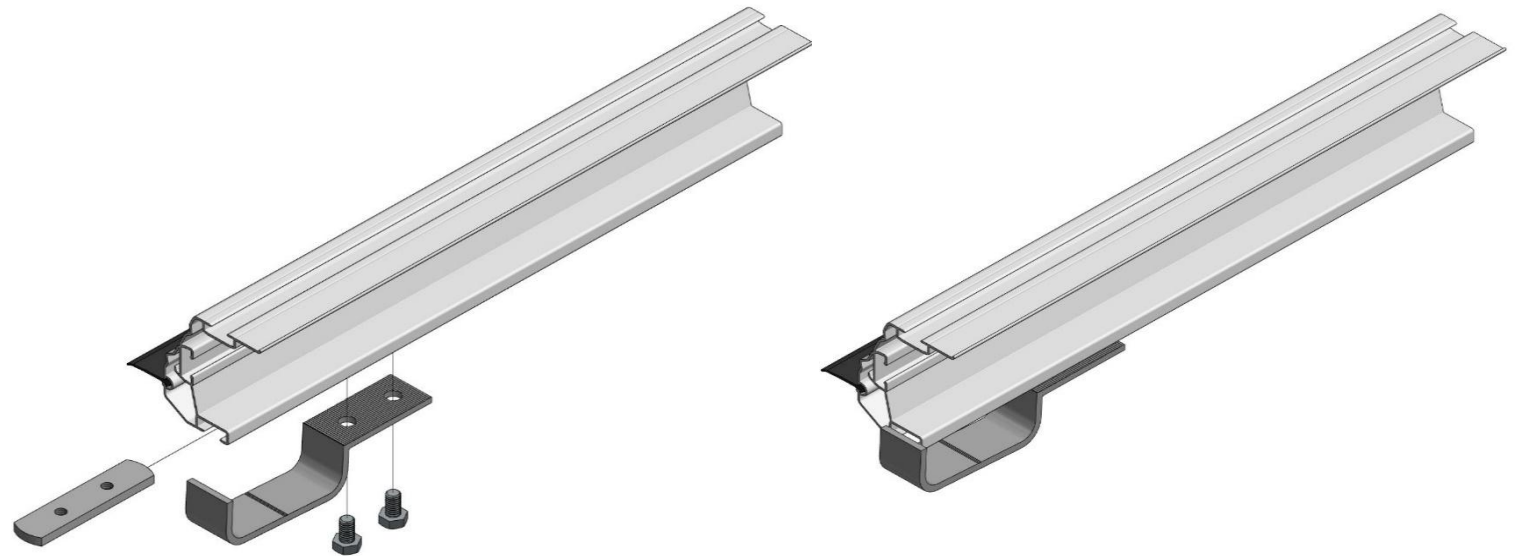
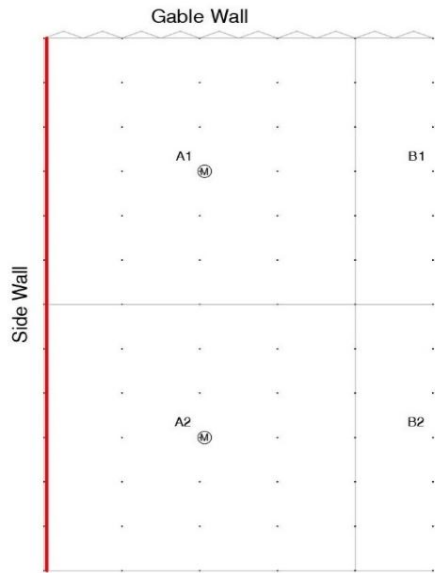


44.27.15

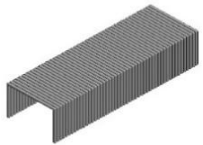
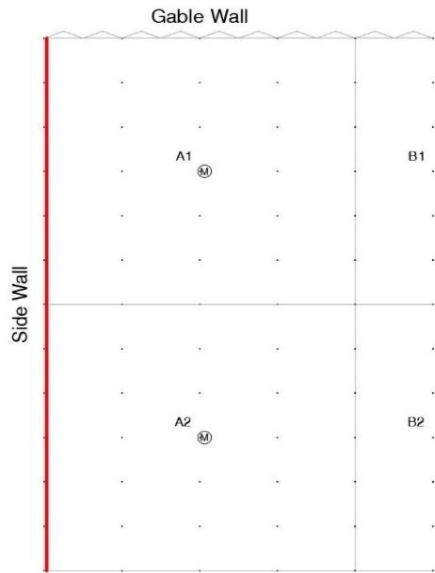


53.57.20









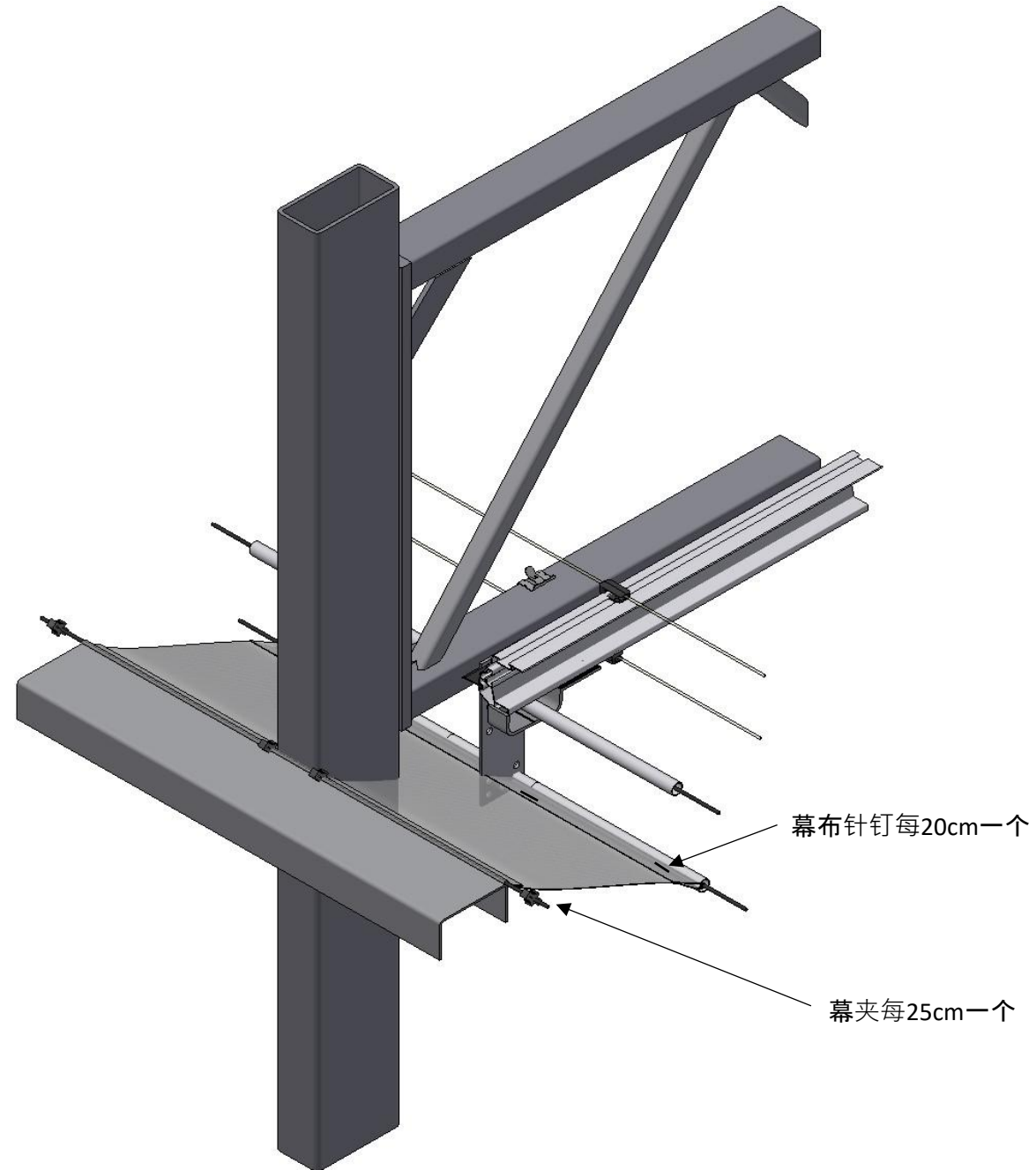
61.10.06

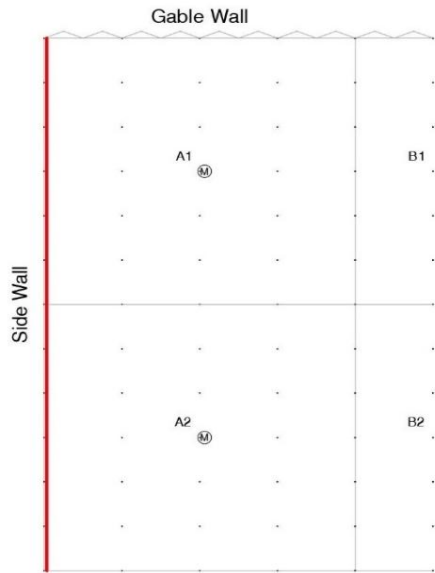


44.15.40



48.60.-----





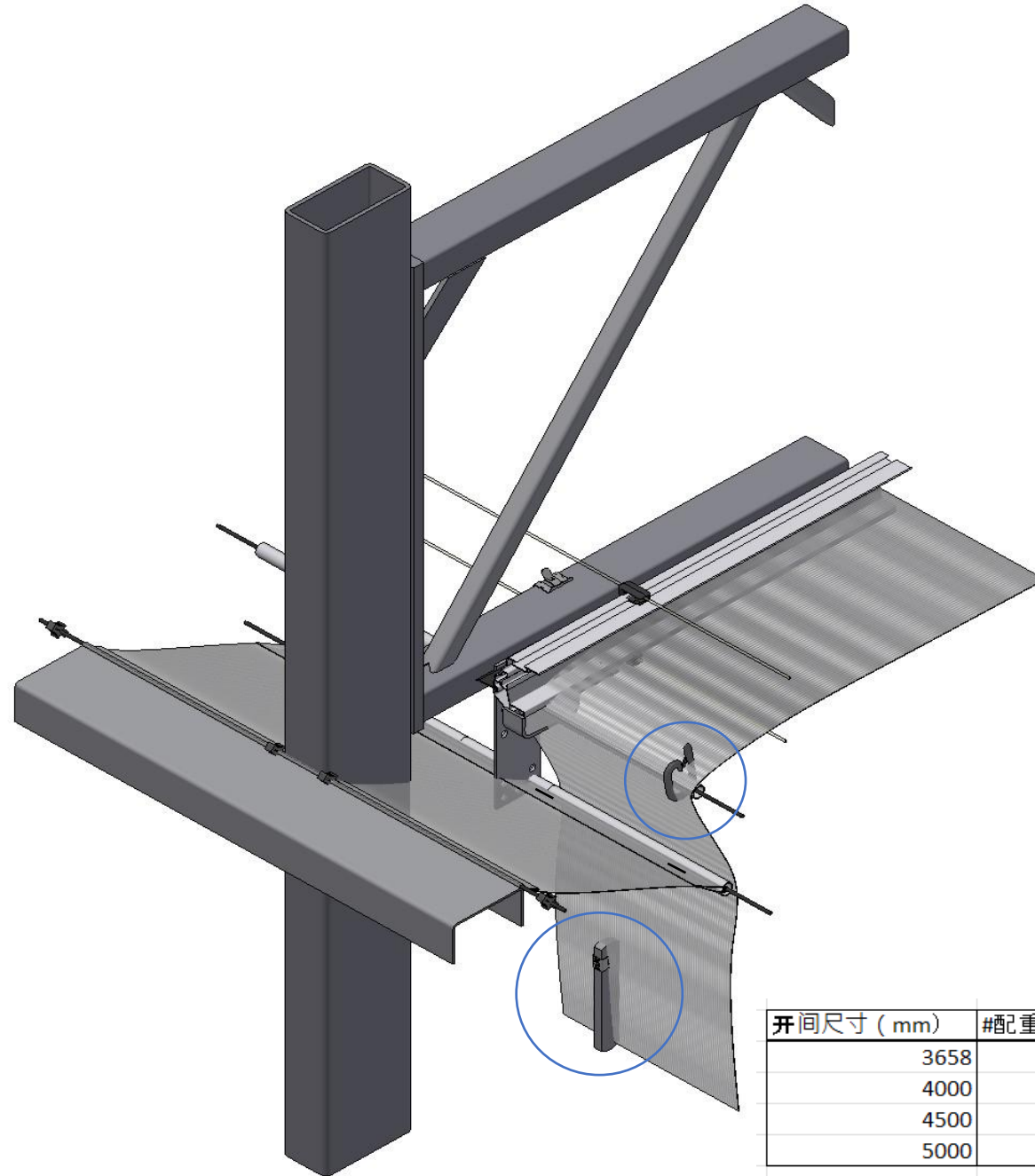
44.70.25



45.45.50



44.15.20



| 开间尺寸 (mm) | #配重数量 | #环形钩数量 |
|-----------|-------|--------|
| 3658      | 5     | 7      |
| 4000      | 6     | 8      |
| 4500      | 7     | 9      |
| 5000      | 8     | 10     |