ValkScreenVision PRC

上层幕系统安装手册

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【系统声明】

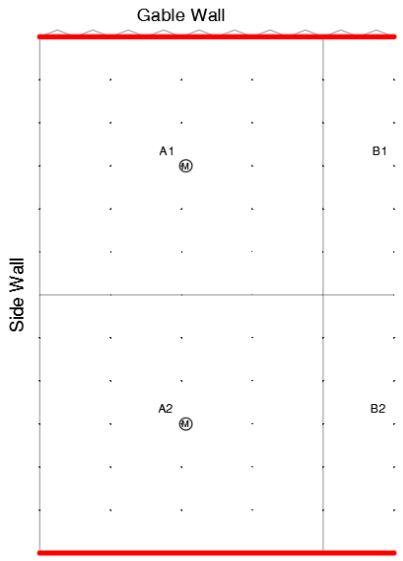
您选择的是Van der Valk园艺系统公司的幕布系统。

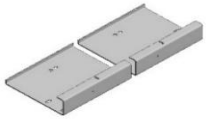
本手册为标准安装指南，具体安装图纸请参阅单独提供的项目图纸和报价单。

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.----

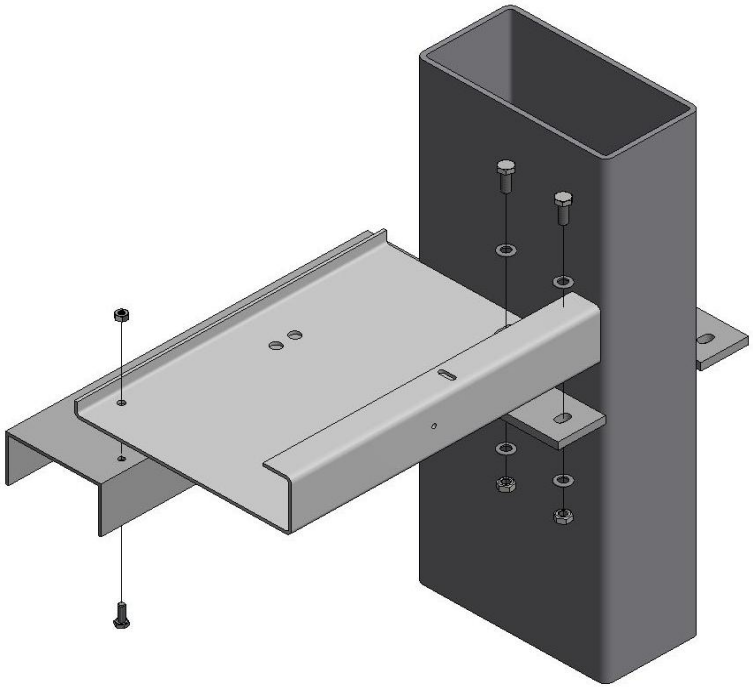
55.40.20 M8x20

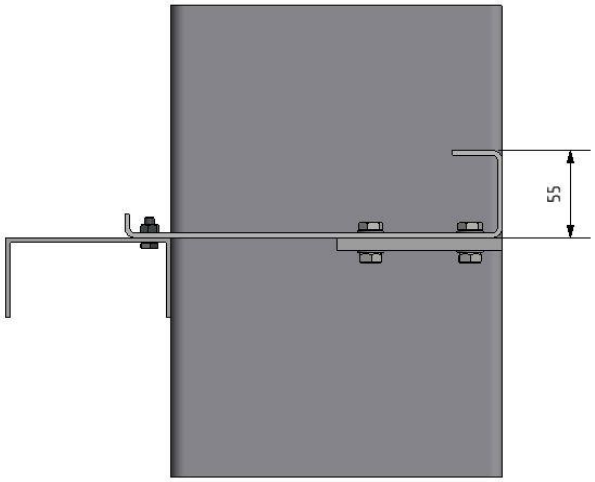
55.40.05 M8

53.55.17 M8

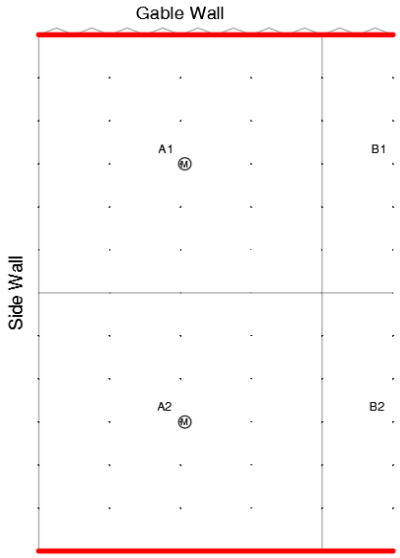
55.30.16 M6x16

55.30.00 M6

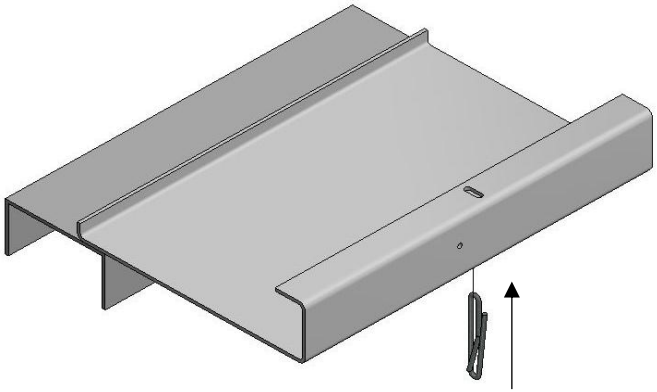


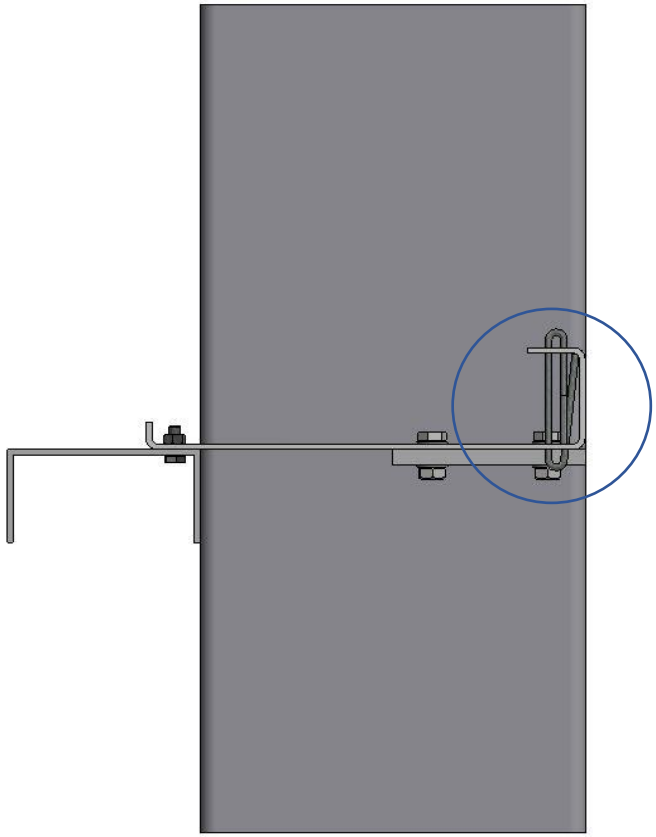


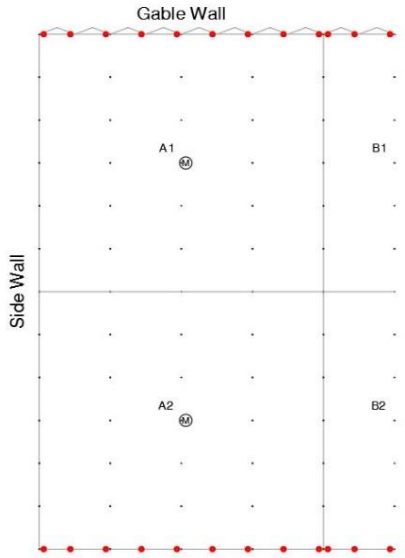
注意：幕板上沿需与桁架上弦杆下沿平齐

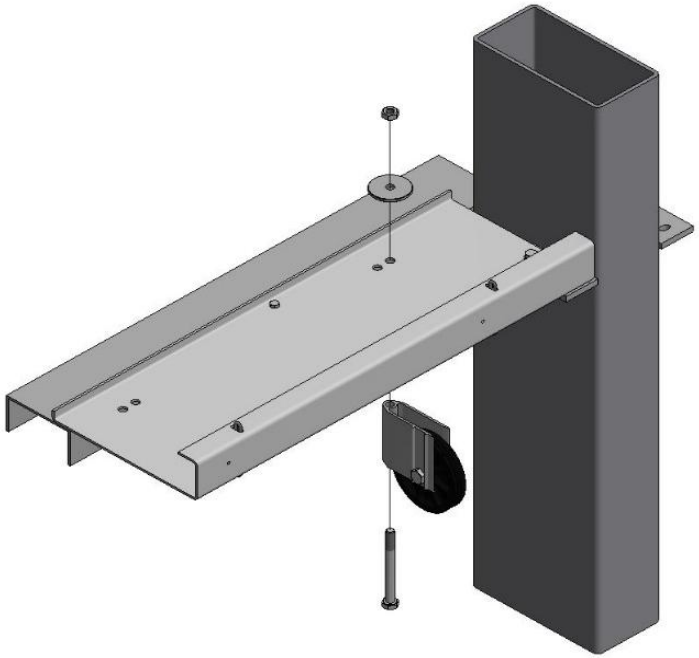


45.81.85

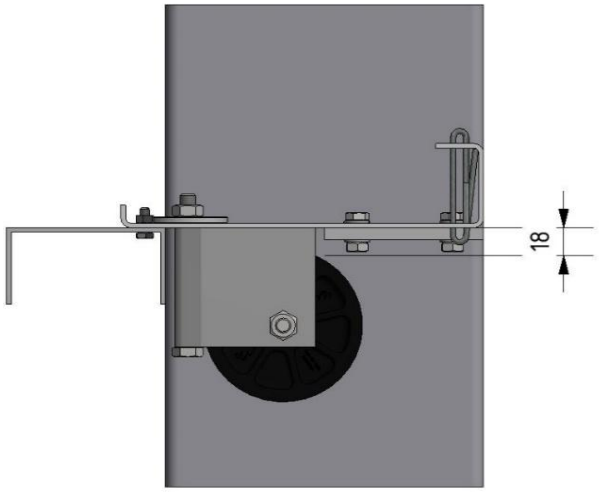








端幕梁上有2个换向轮孔，
使用其中一个

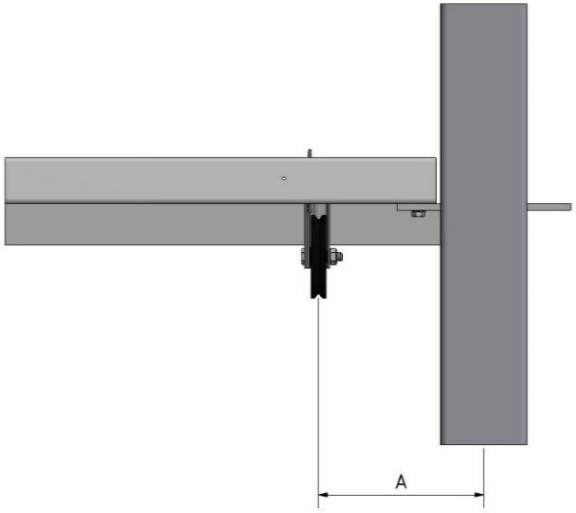


44.81.30

55.51.00 M10x100

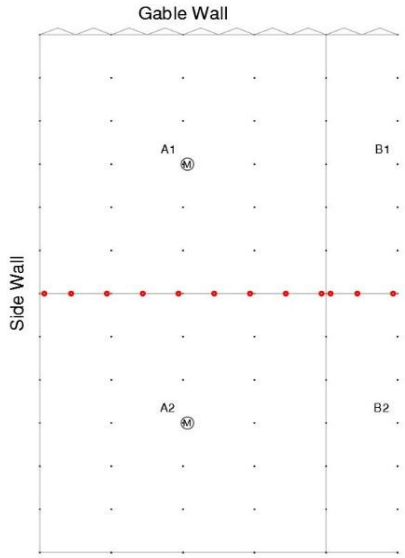
53.55.42 M10

55.50.00 M10



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

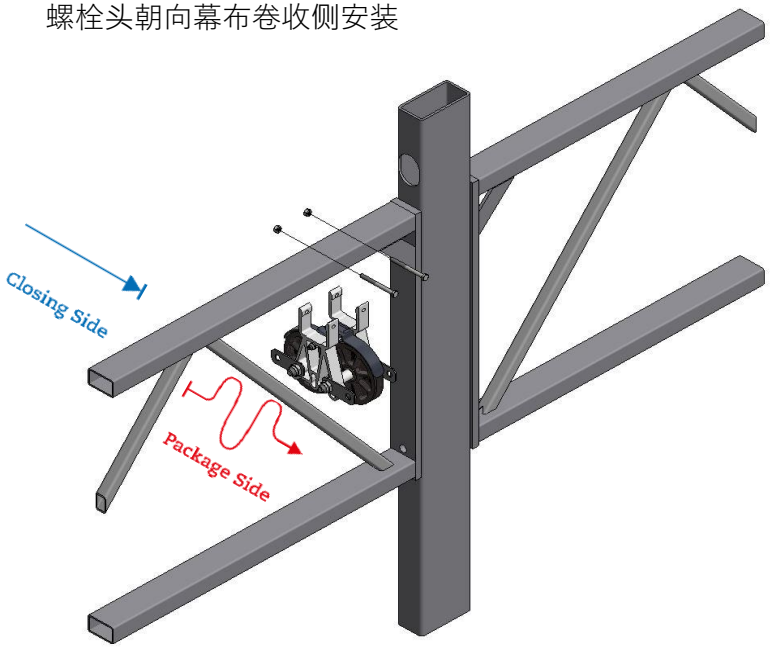


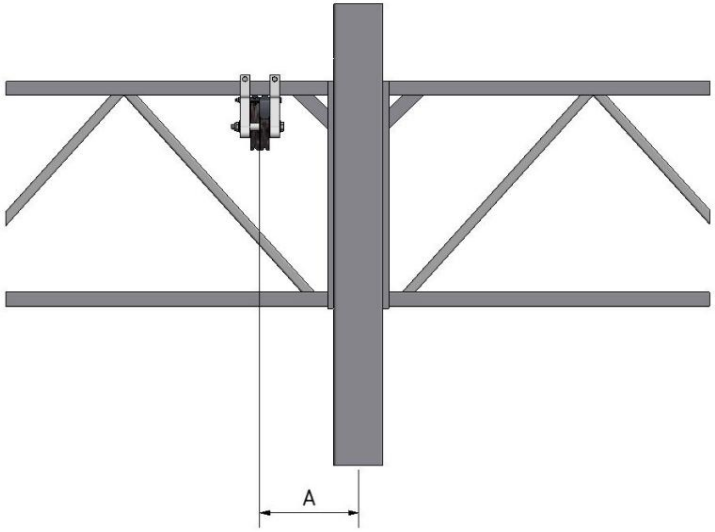
（上弦管宽和高）
44.740.---.---　黑色
（上弦管宽和高）
44.750.---.---　灰色

（桁架宽+15mm）
55.30.--

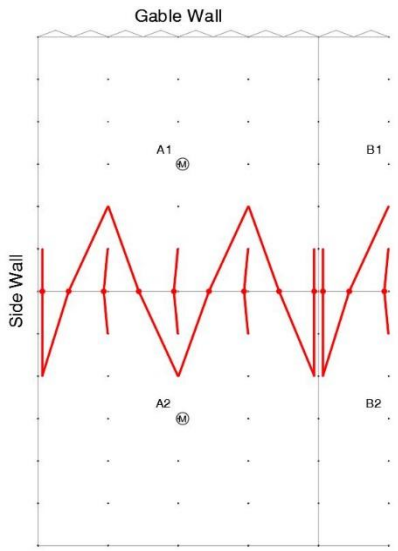
55.30.00

螺栓头朝向幕布卷收侧安装

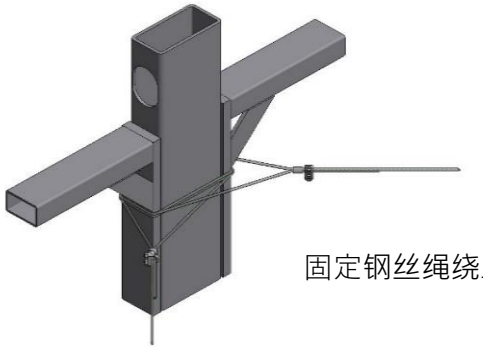




具体尺寸A，请参考项目专属图纸



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 当换向轮靠近桁架中间时斜拉

当换向轮靠近立柱时直拉

48.10.17

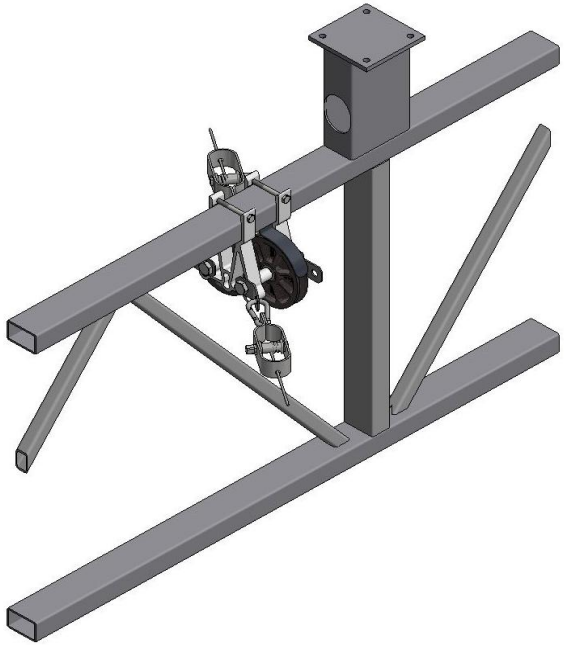
48.80.40

48.80.12

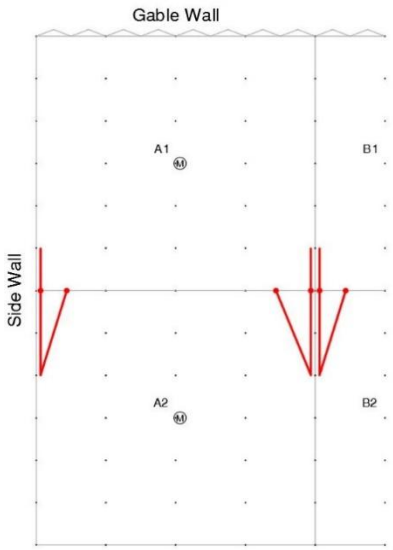
48.80.30

48.80.37

铝天沟：



立柱：

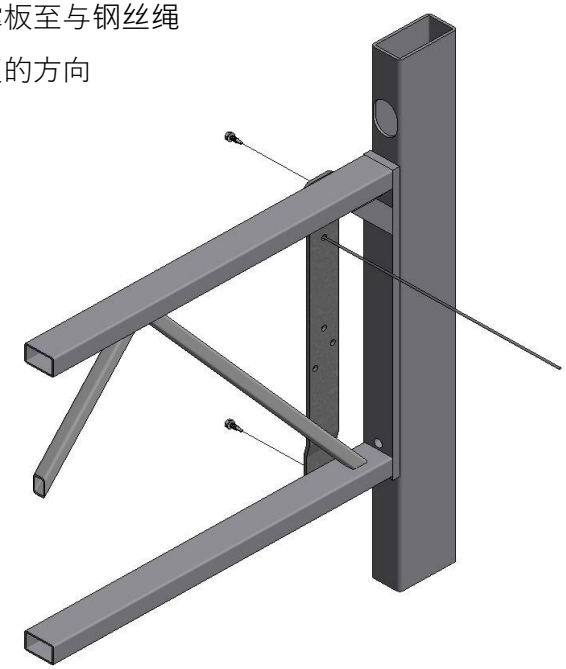


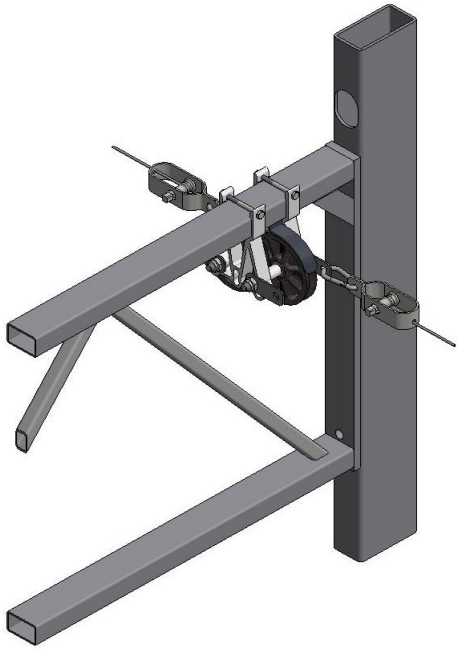
（桁架高）

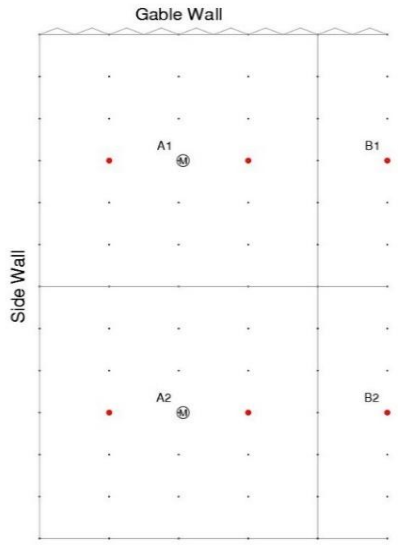
44.82.10.----

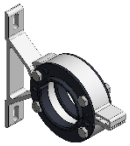
53.57.20

安装支撑板至与钢丝绳
拉力相反的方向









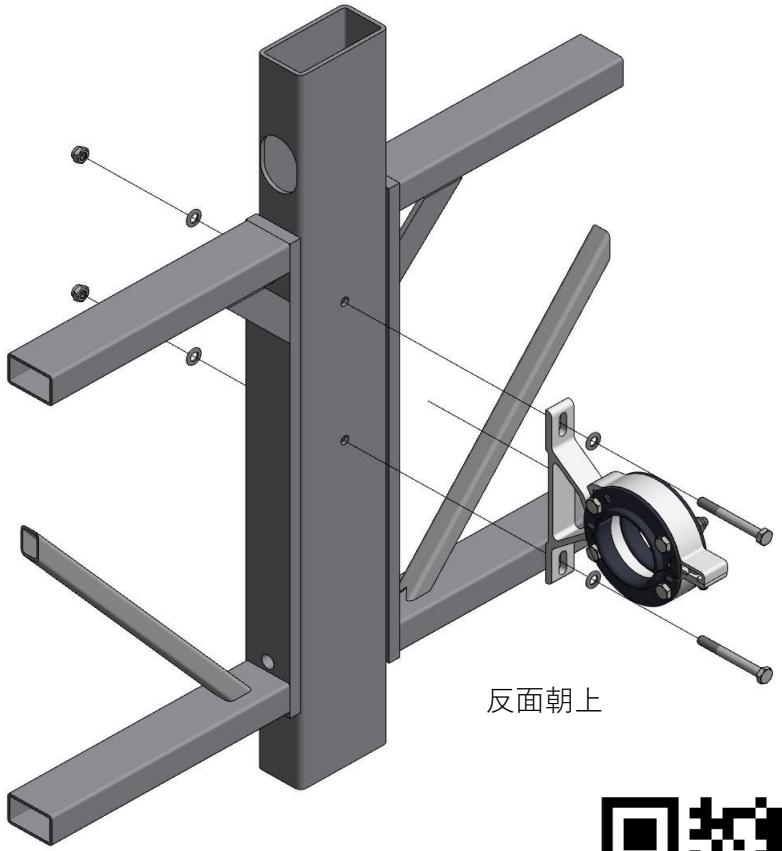
44.82.16

（立柱宽度+20mm）
55.40.-- M8x----

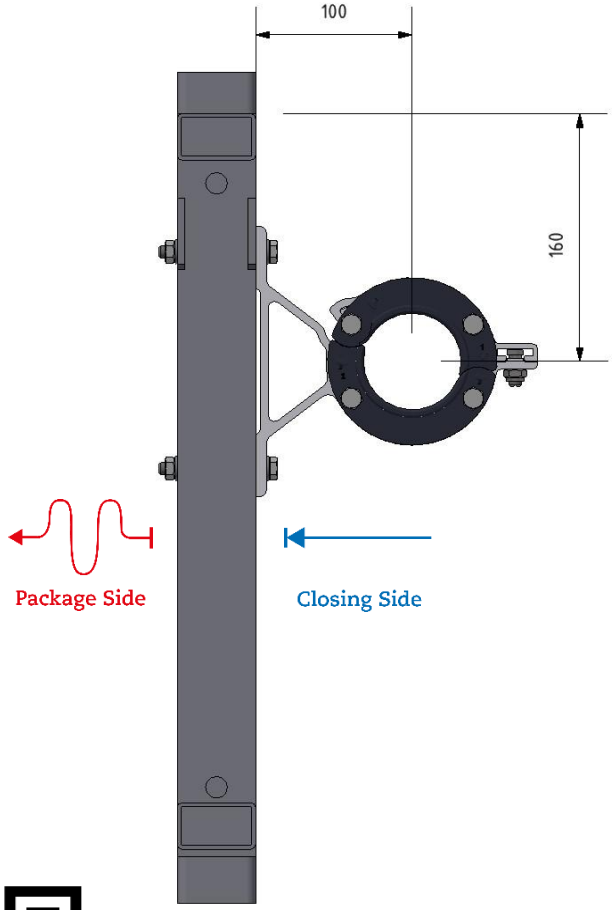
55.40.00 M8

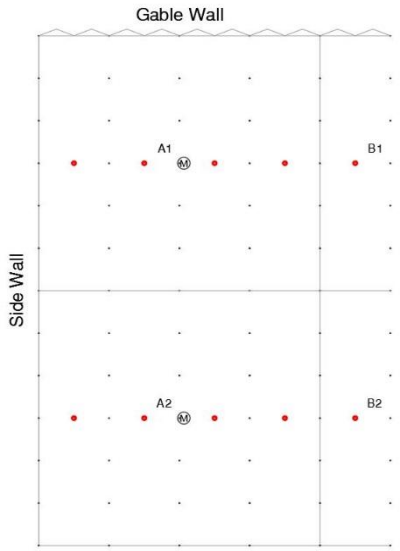
53.55.17 M8

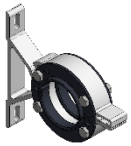
立柱上打孔Ø9 mm



反面朝上







44.82.16

（桁架高）

44.82.10.----

（桁架宽+15mm）

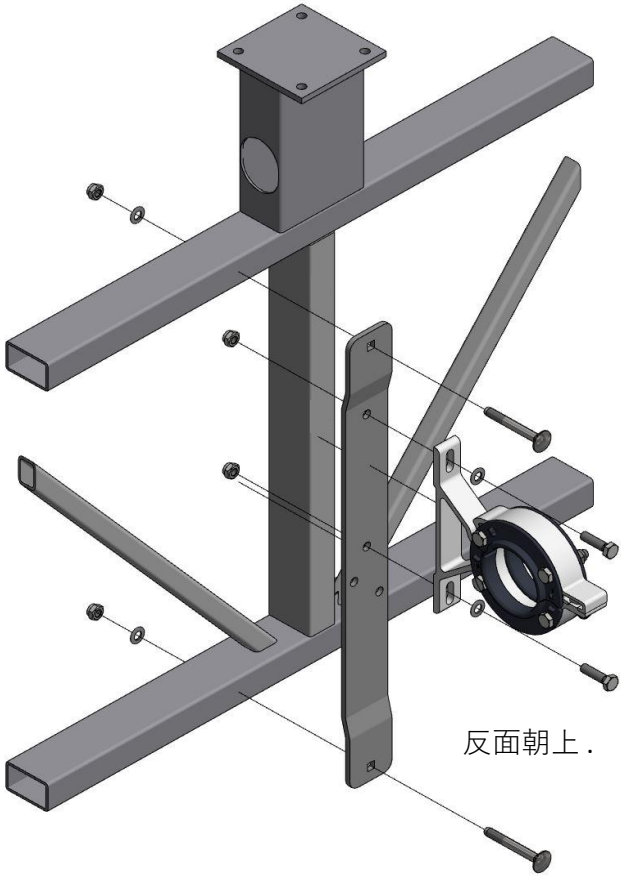
53.41.-- M8x--

55.40.30 M8x30

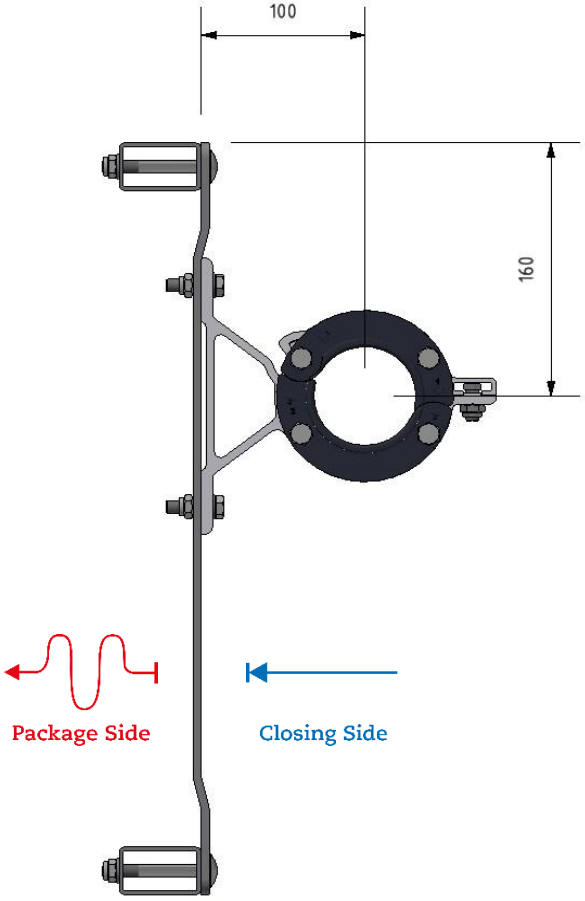
53.55.17 M8

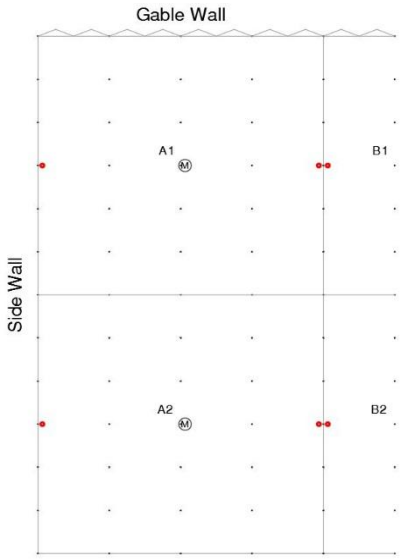
55.40.05 M8

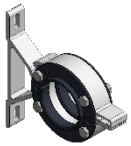
钻孔Ø9 mm



反面朝上 .







44.82.16

（桁架高）

44.82.10.----

（桁架宽+15mm）

53.41.-- M8x--

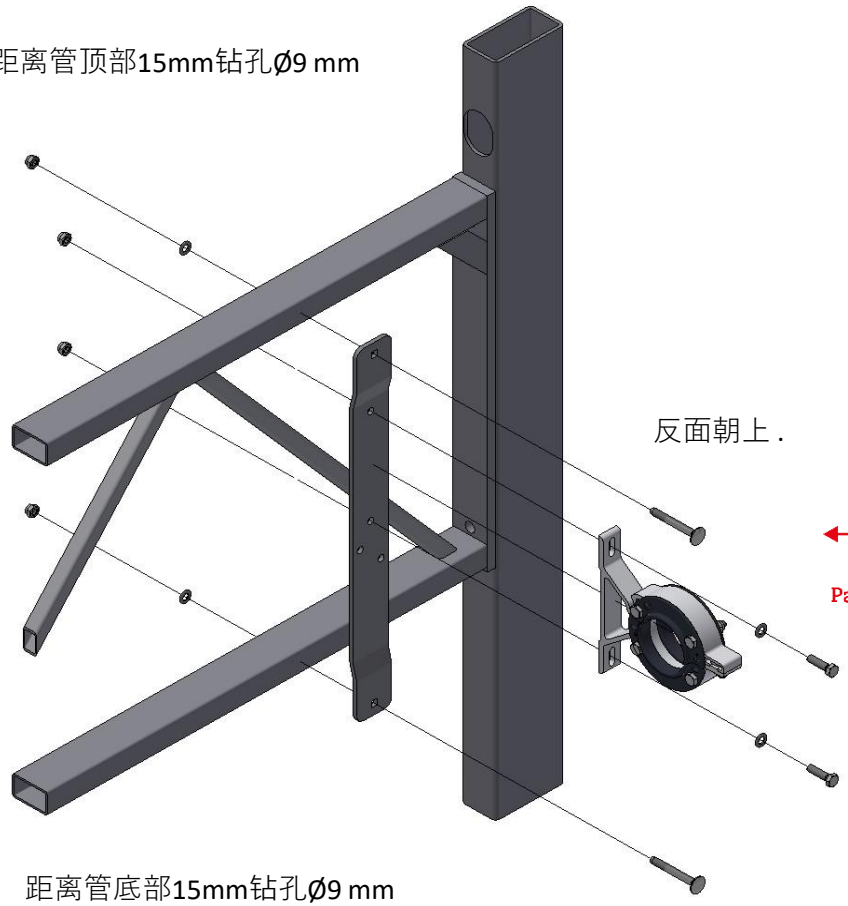
55.40.30 M8x30

53.55.17 M8

55.40.05 M8

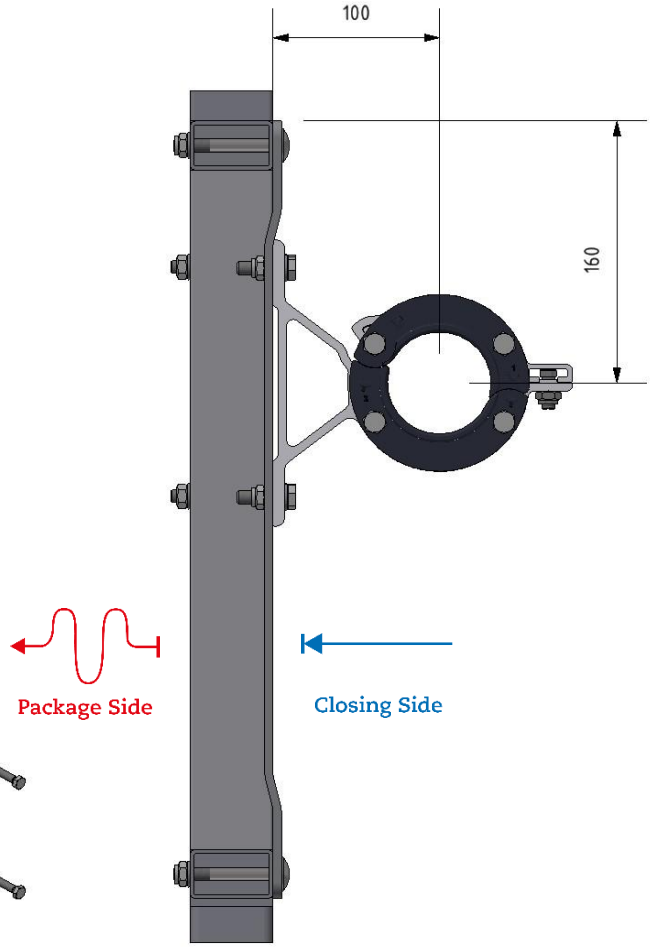
开间末端：

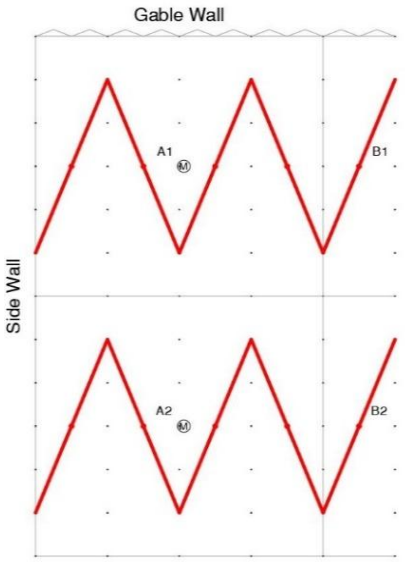
距离管顶部15mm钻孔Ø9 mm



距离管底部15mm钻孔Ø9 mm

反面朝上 .





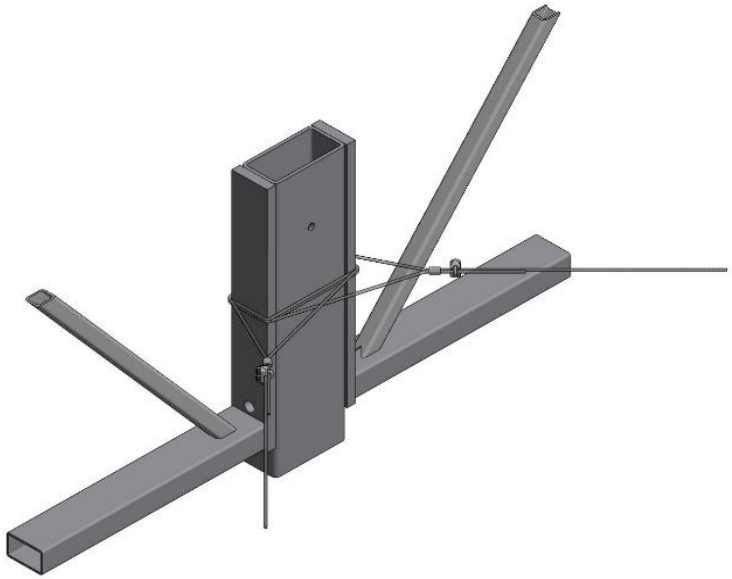
48.10.17

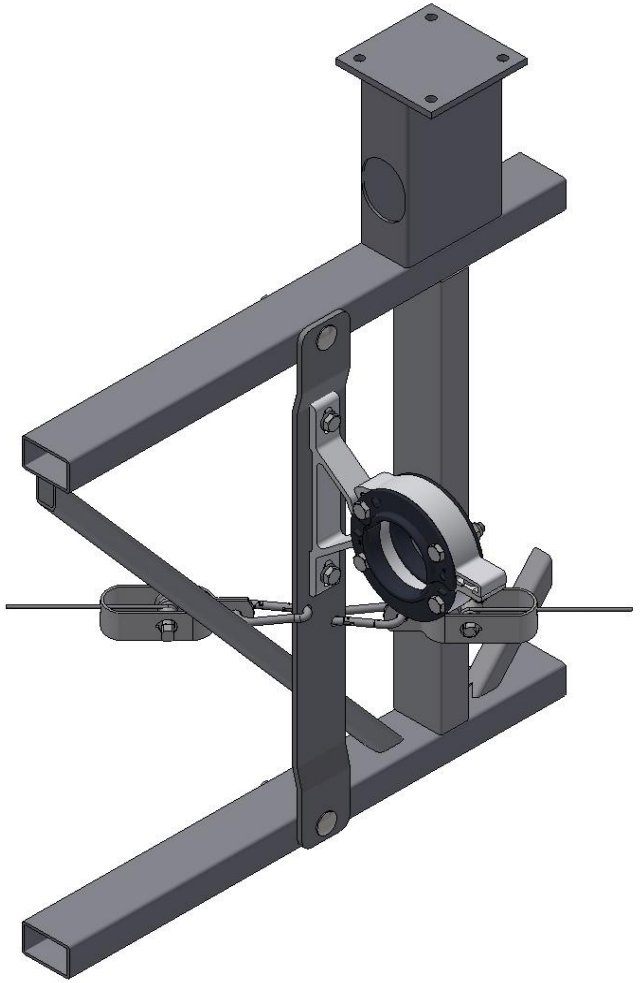
48.80.40

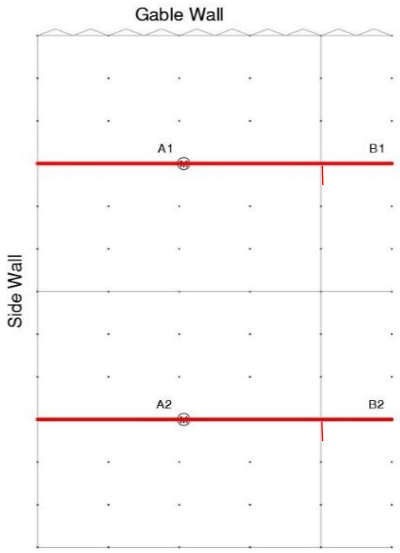
48.80.12

48.80.30

48.80.37







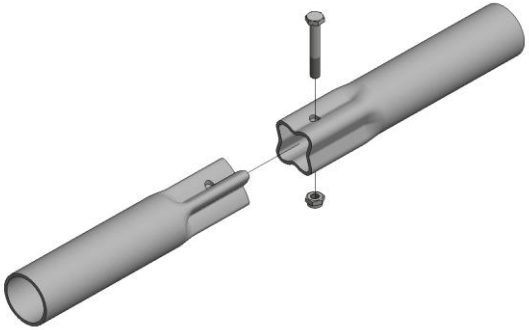
扭矩设定参考章节H

轴端面使用塑料帽密封

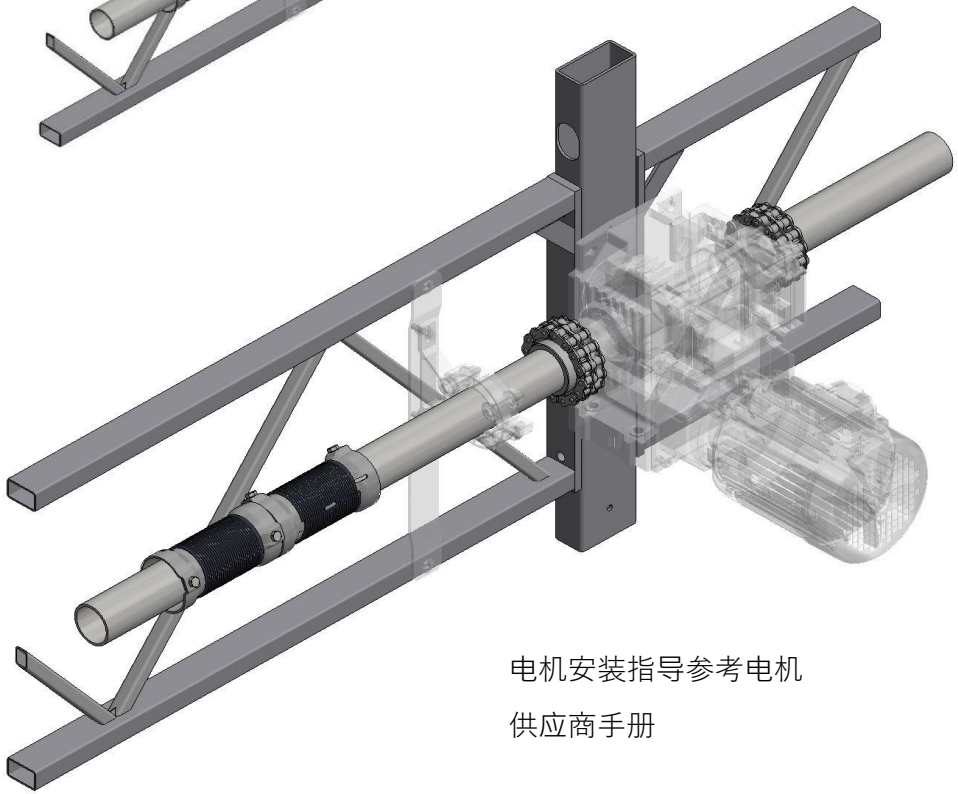
注意：

传动轴安装位置详见

具体项目图纸

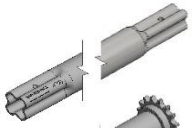


注意： 安装前先套入紧线器

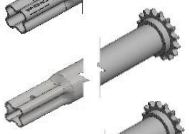


电机安装指导参考电机

供应商手册



528.85.86.0----



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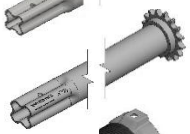


528.--.86.0----

44.80.34-W

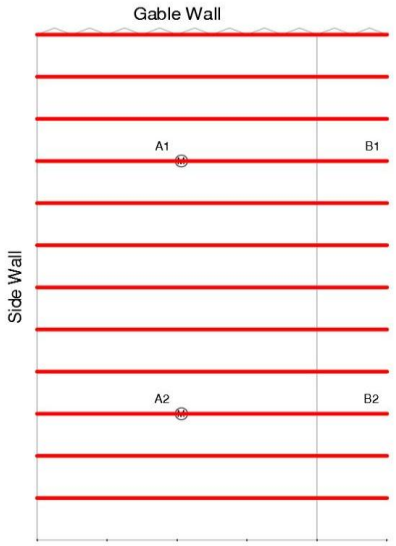
53.25.20 M8

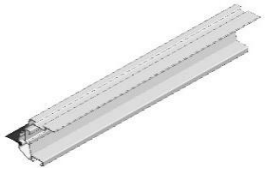
55.40.16 M8x16

55.50.60 M10x60

55.50.05 M10

44.16.60



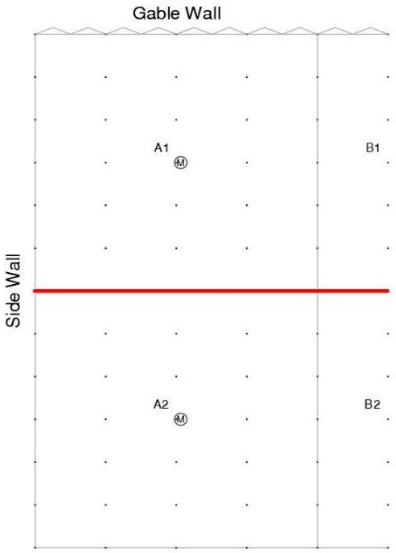


（驱动边长度）

43.81.-----

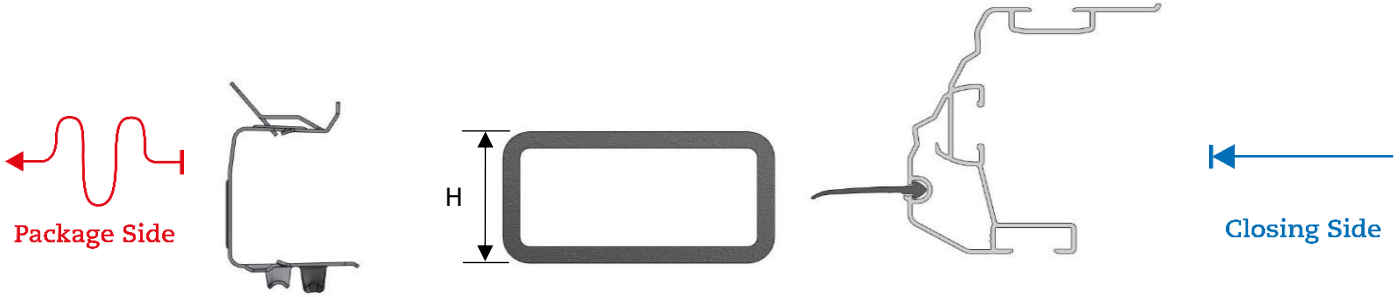
VSV PRC 35 mm

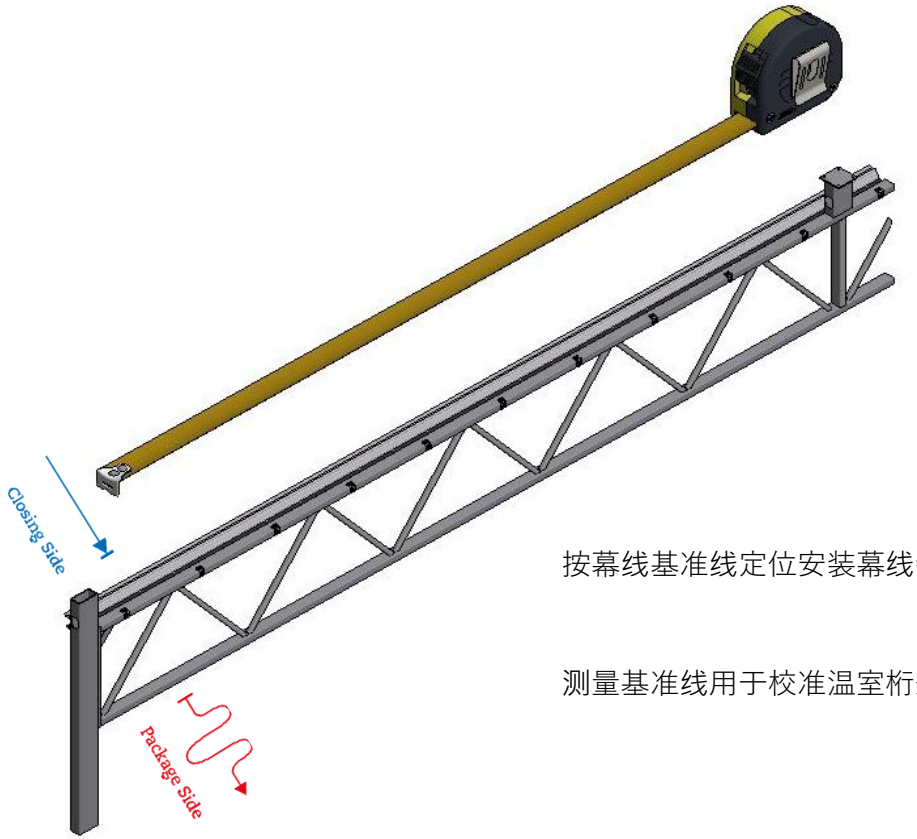
暂时悬挂驱动边在桁架上



H + 2 mm

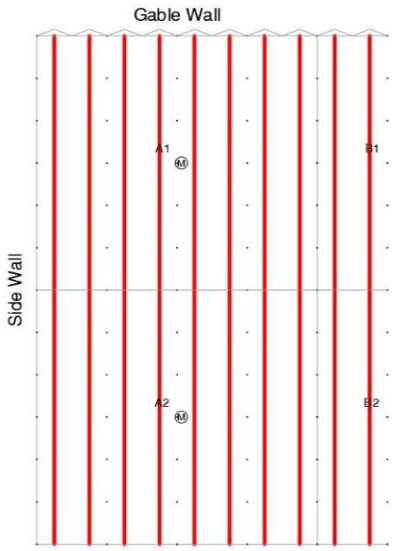
45.20.--

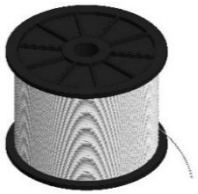




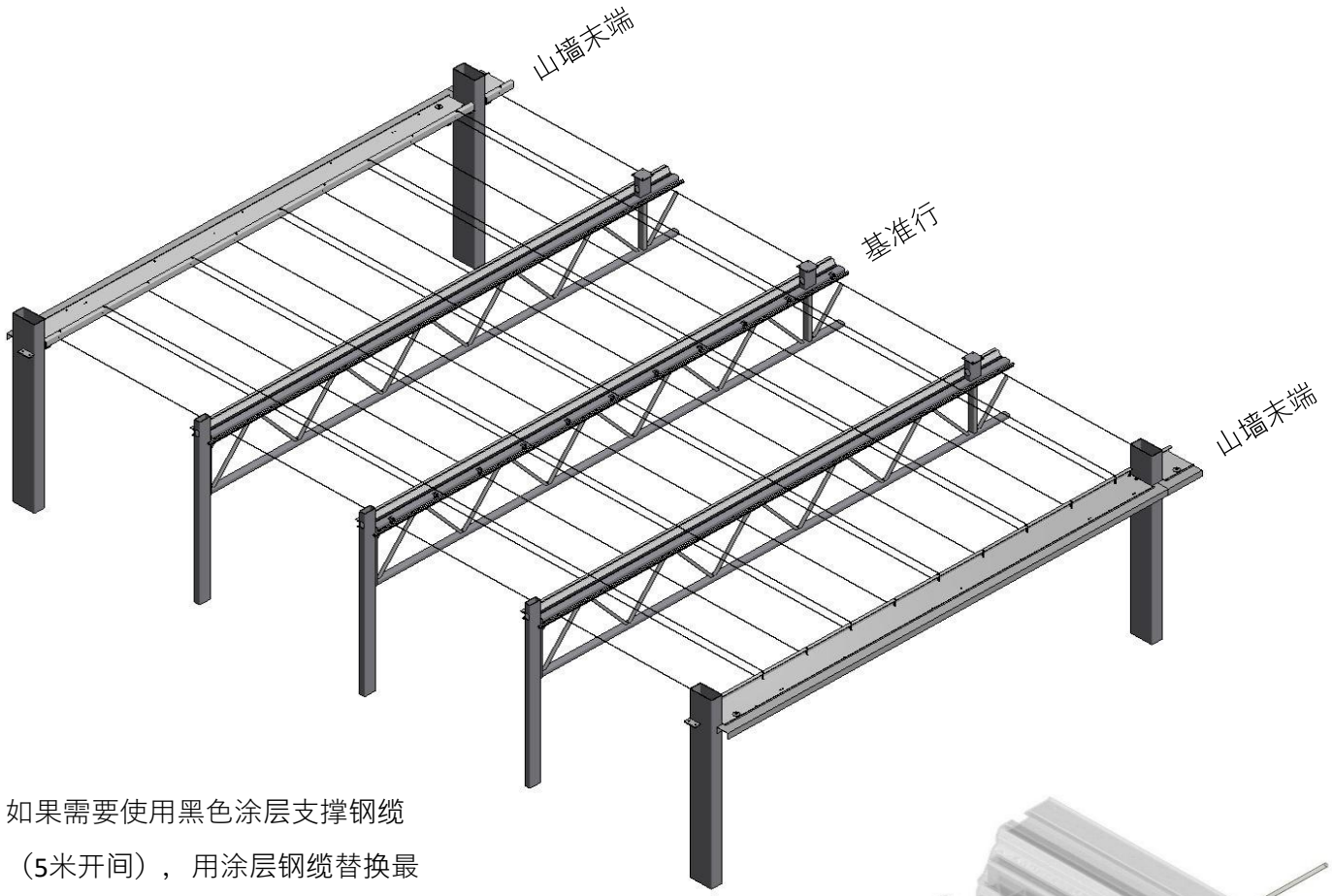
按幕线基准线定位安装幕线钢夹

测量基准线用于校准温室桁架钢夹位置

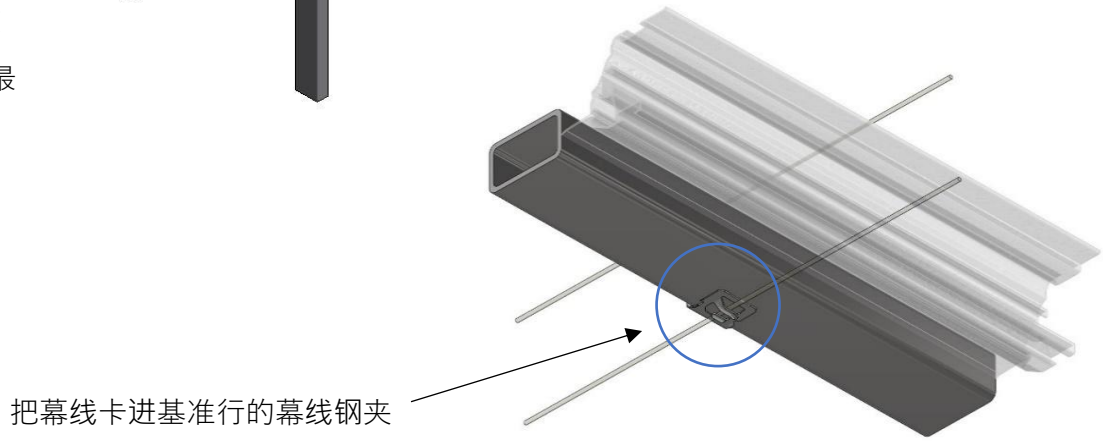




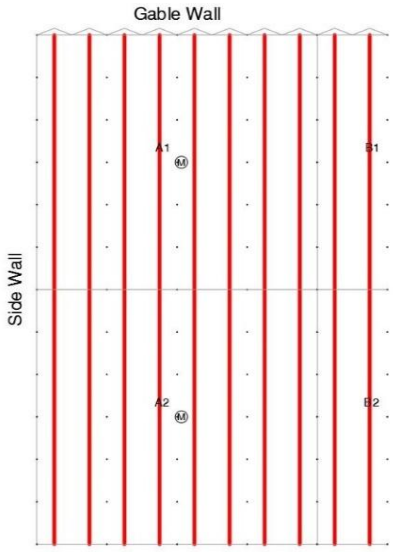
48.50.30



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。



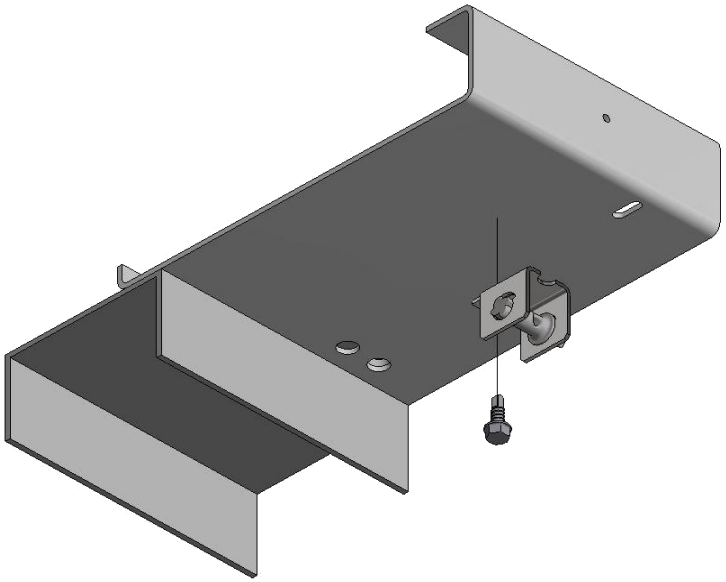
把幕线卡进基准行的幕线钢夹

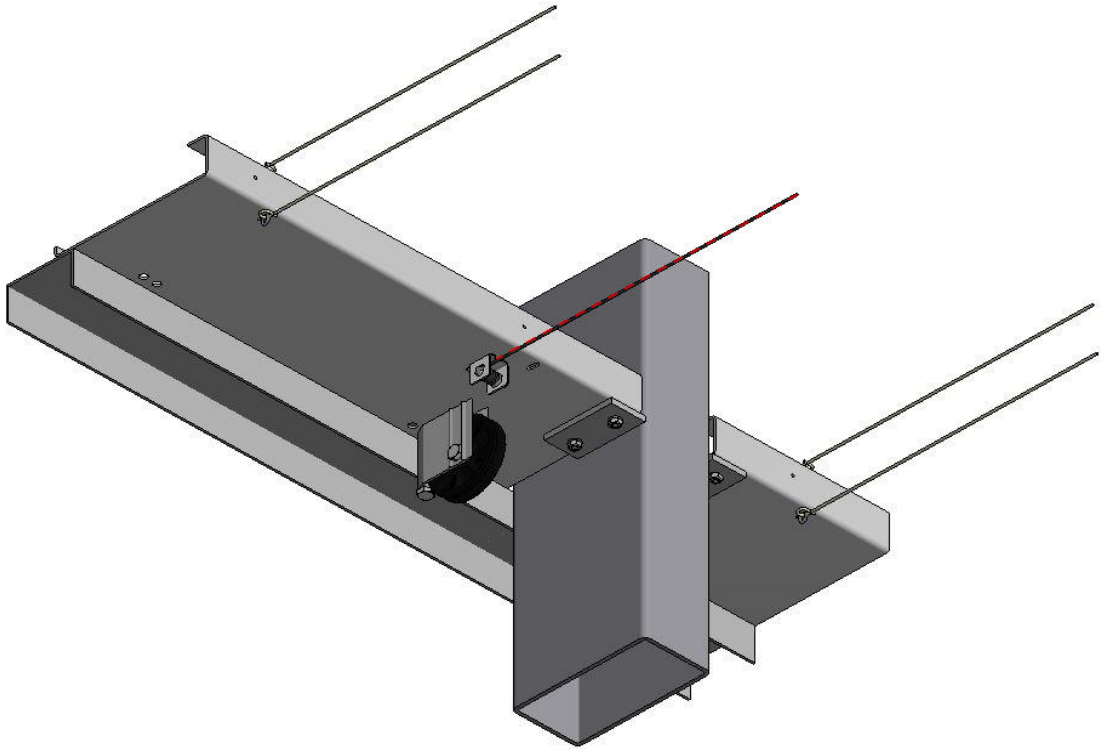


48.20.15

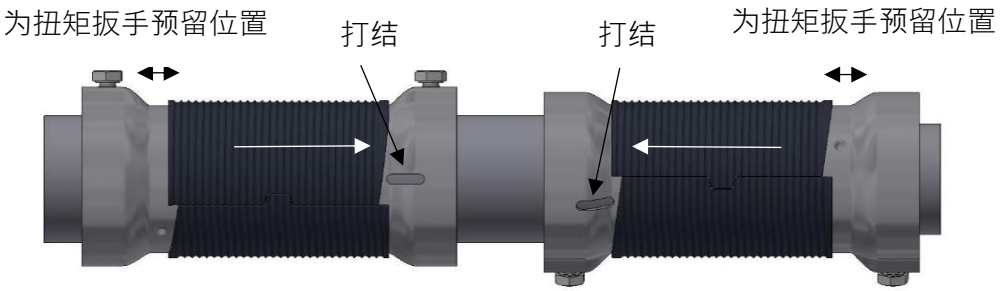
48.80.10

53.57.20

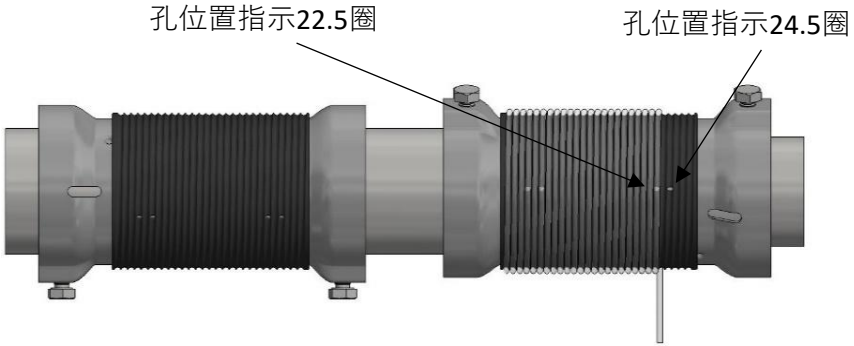




1. **确保塑料卷**线膜移动到打结一侧，这是为了在另一侧预留扭矩扳**手位置**。

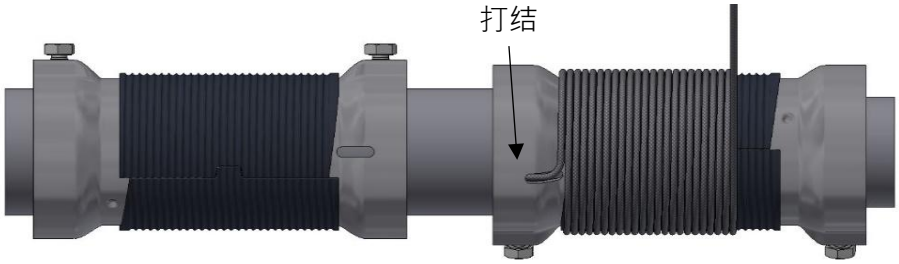


2. 塑料套筒上的孔代表着特定开间钢丝绳所绕圈数。

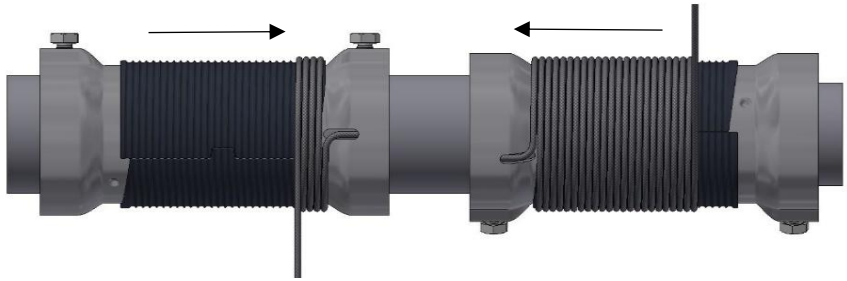


开间尺寸（mm）	紧线套筒1**上的圈数**	紧线套筒2**上的圈数**
3200	3,5	17,5
3658	3,5	19,5
4000	3,5	20,5
4500	3,5	22,5
5000	3,5	24,5

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

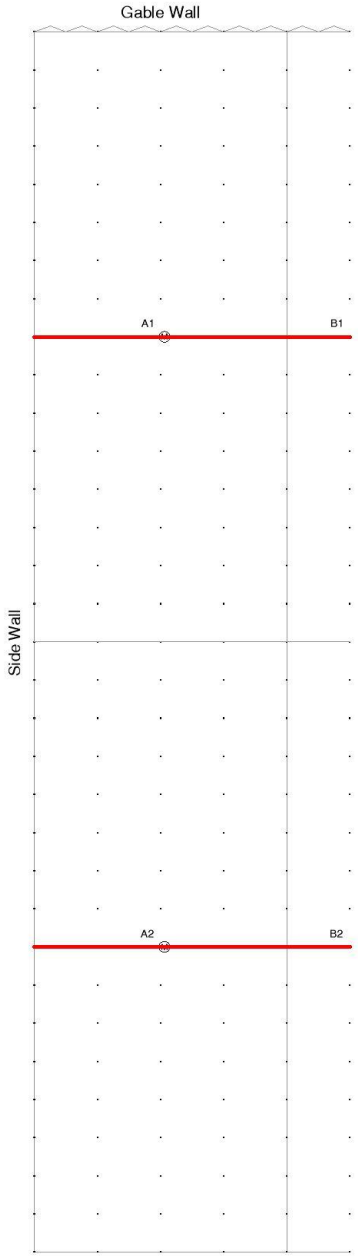
61.16.12

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。

钢丝绳张力计算 [kg]	**扭矩扳手扭矩**值设定 [Nm]
40	20
50	25
60	30
80	40
100	50
130	60

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

3 kg

举例：左侧示意温室，16**开**间配原色弹簧驱动卡

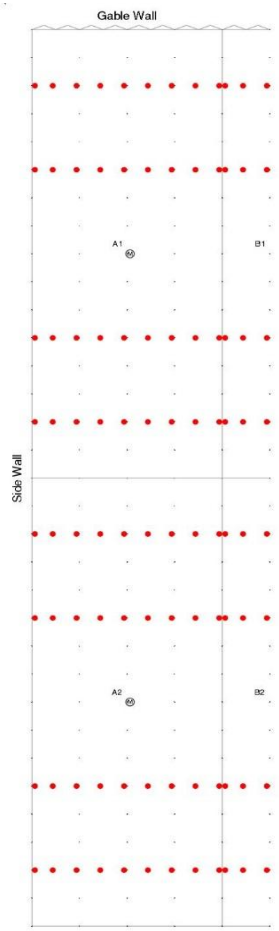
$$\text{钢丝绳预张力} = \frac{(16 \times 6\ \text{kg})}{2} + 20\ \text{kg} = 68\ \text{kg}$$

6 kg

扭矩必须设定在35Nm**左右**（见表格计算）

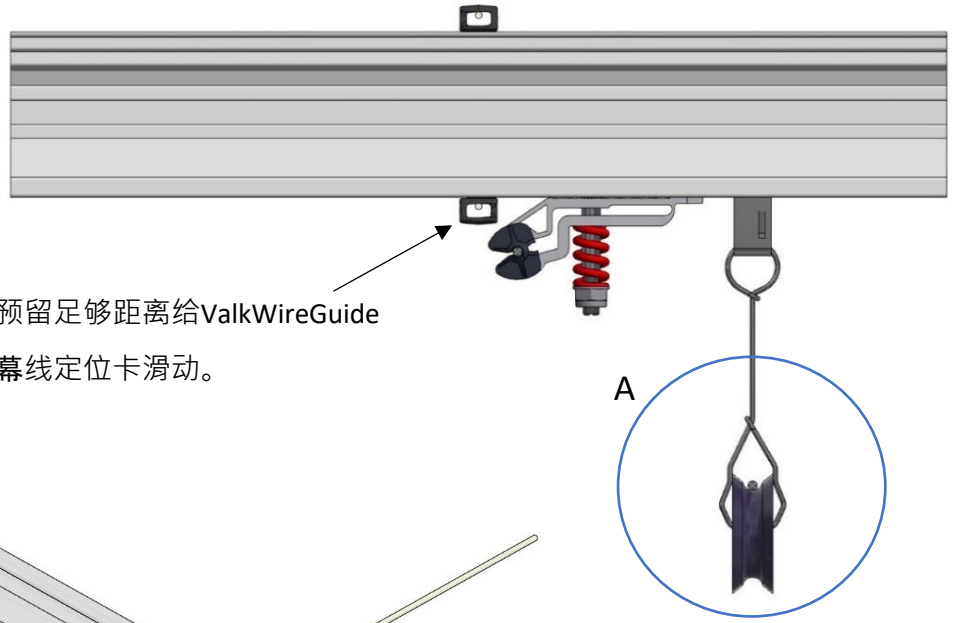
9 kg

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**。



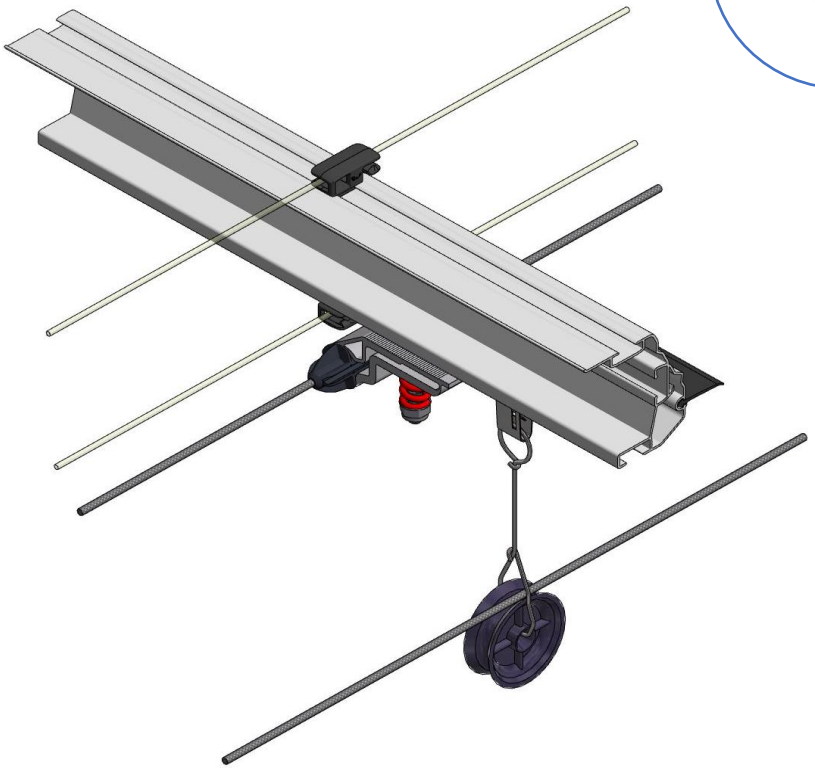
安装ValkPulley小调论每3个开间一个

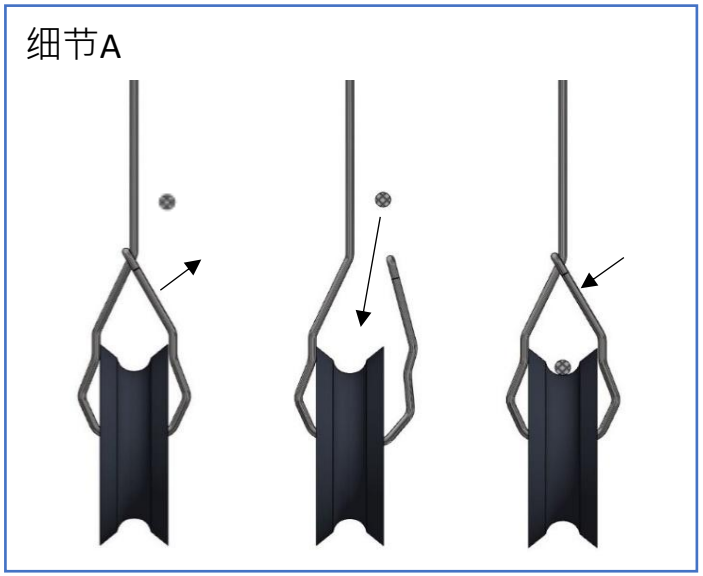
44.27.77



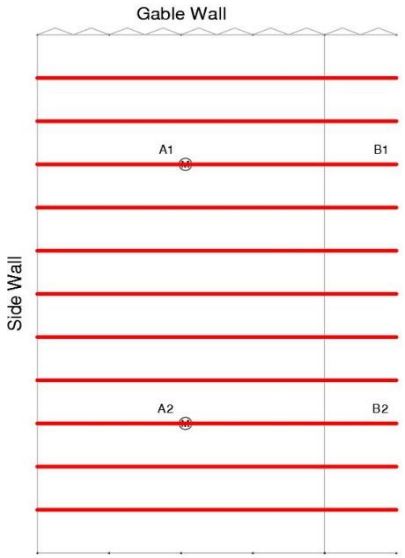
预留足够距离给ValkWireGuide幕线定位卡滑动。

回线钢丝绳在ValkPulley吊轮里是可以摇摆的。

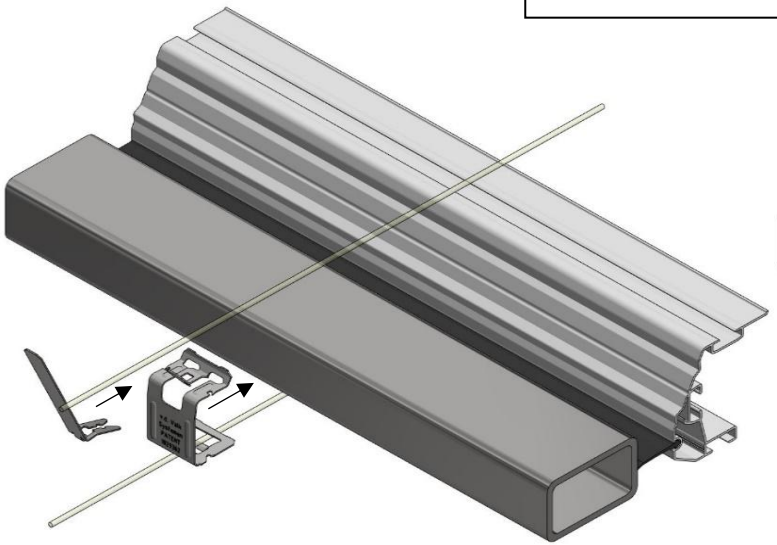


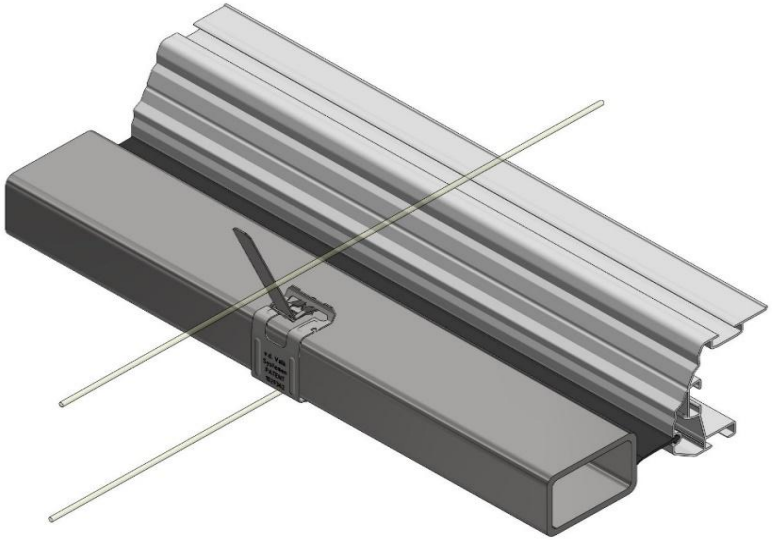


幕线桁架钢夹 (ValkTrussClips)



注意：开间J到P可以一趟装完





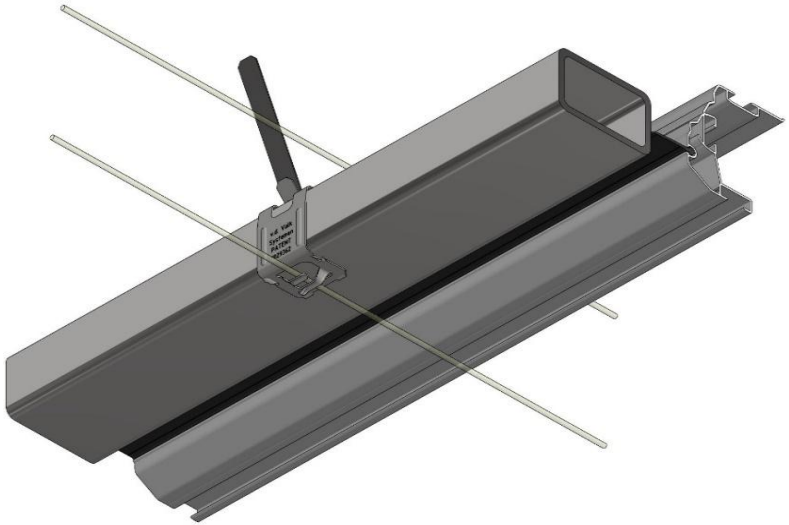
H + 2 mm

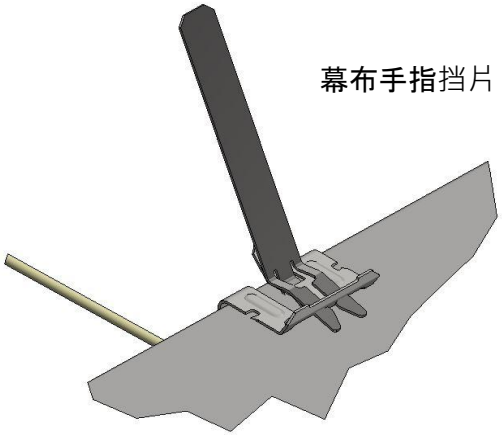
45.20.--

45.22.10

1. 滑动桁架上弦杆的桁架钢夹
2. 把幕布手指挡片卡到桁架钢夹里
3. 检查是否每个桁架钢夹都已安装挡片

注意：确保幕线在桁架钢夹的底部

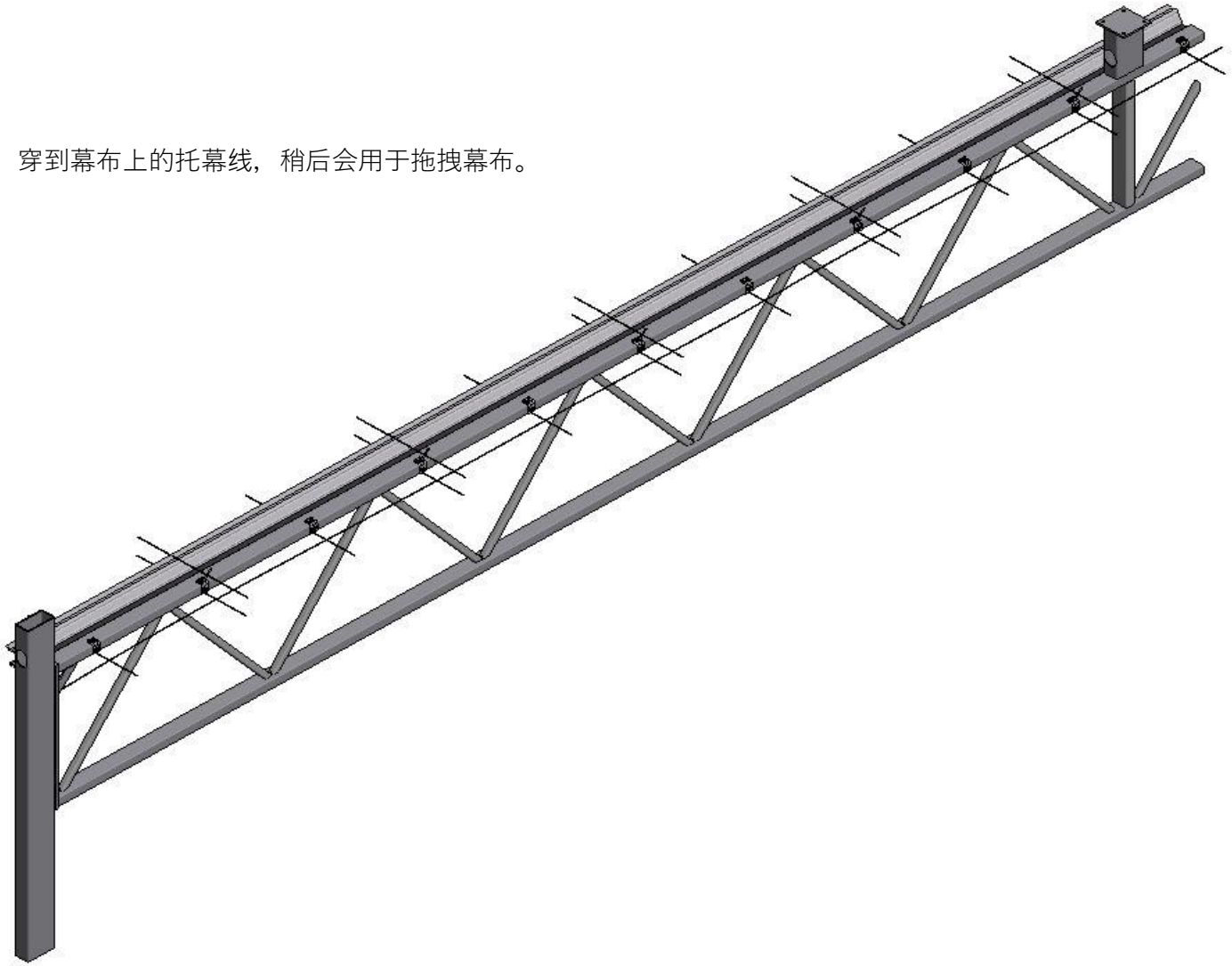




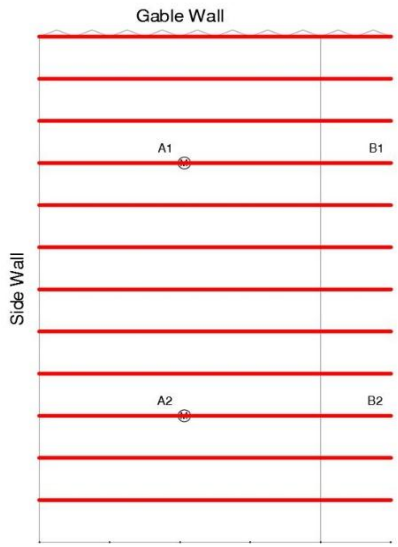
幕布手指挡片

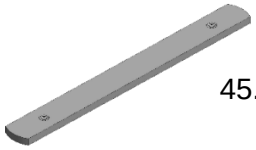
穿到幕布上的托幕线，稍后会用于拖拽幕布。

48.55.03



连接ValkScreenVision 驱动边

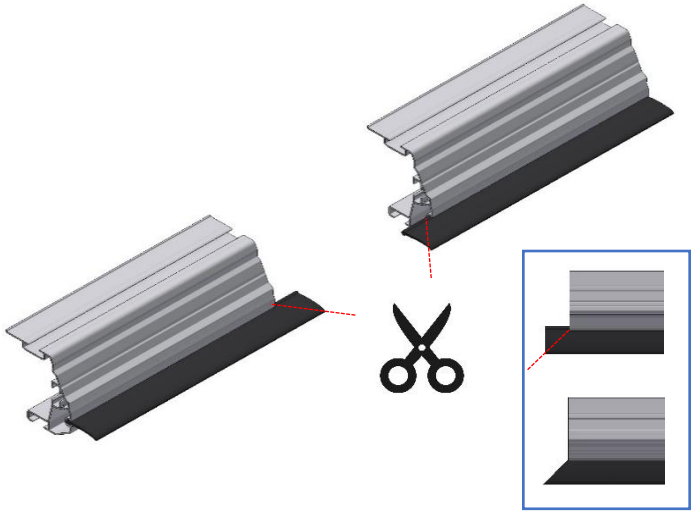


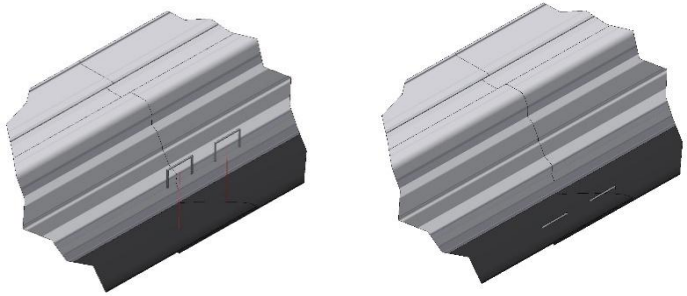


45.22.46

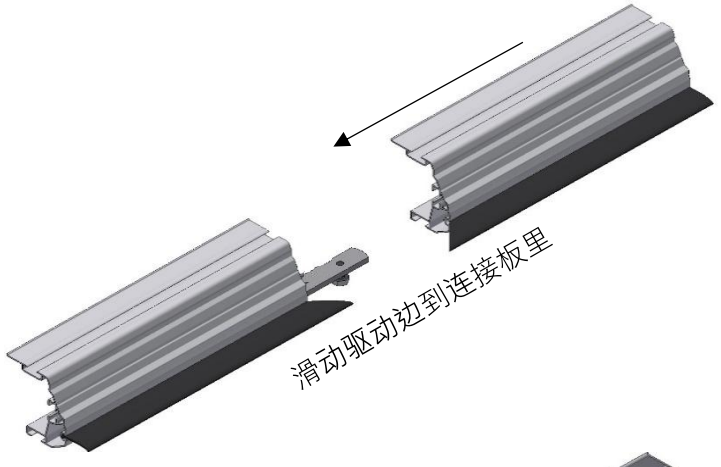
55.30.10 M6x10

61.10.06



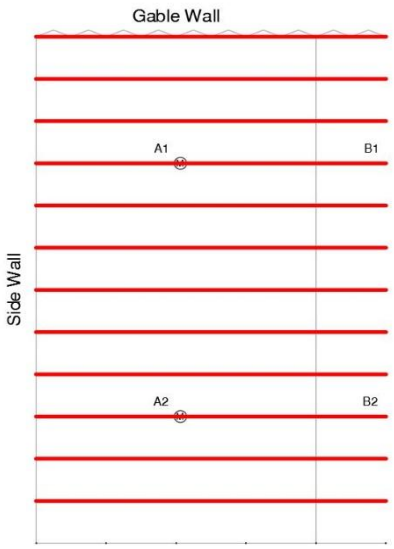


用针钉连接两个密封条

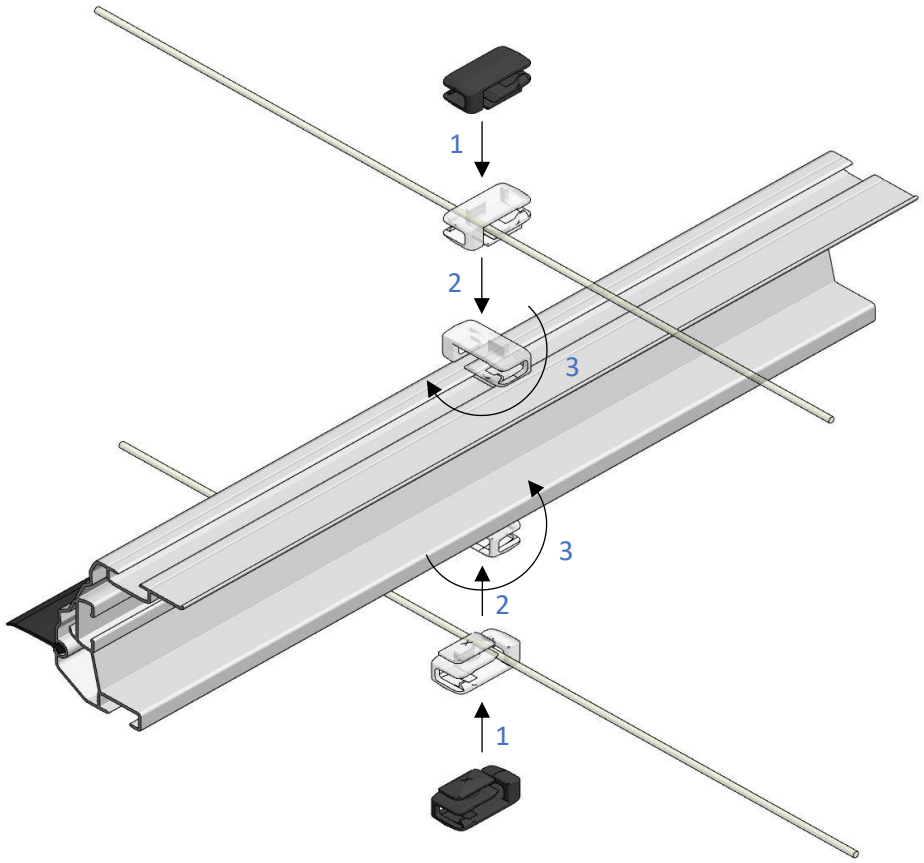


注意：

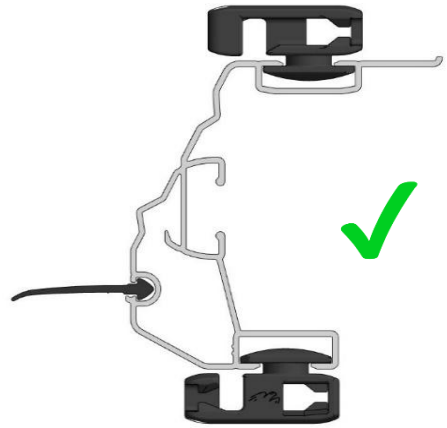
驱动边连接顺序，参考页面E1或者具体项目图纸。



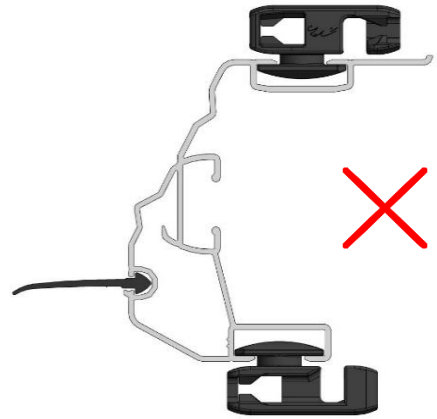
44.15.27

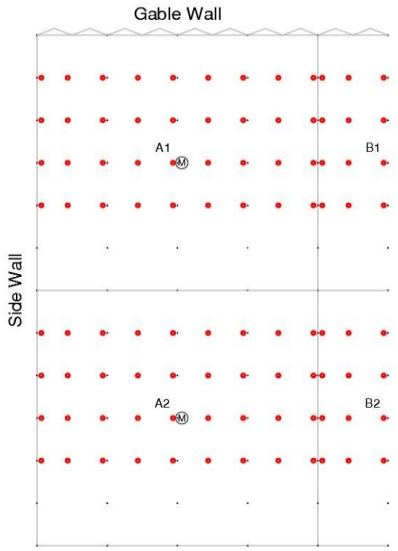


1. 滑动幕线定位卡模块固定幕线。
2. 把幕线定位卡模块插入驱动边腔室。
3. 转动幕线定位卡模块直到听到‘咔嚓’一声，确保开口朝向正确的方向。



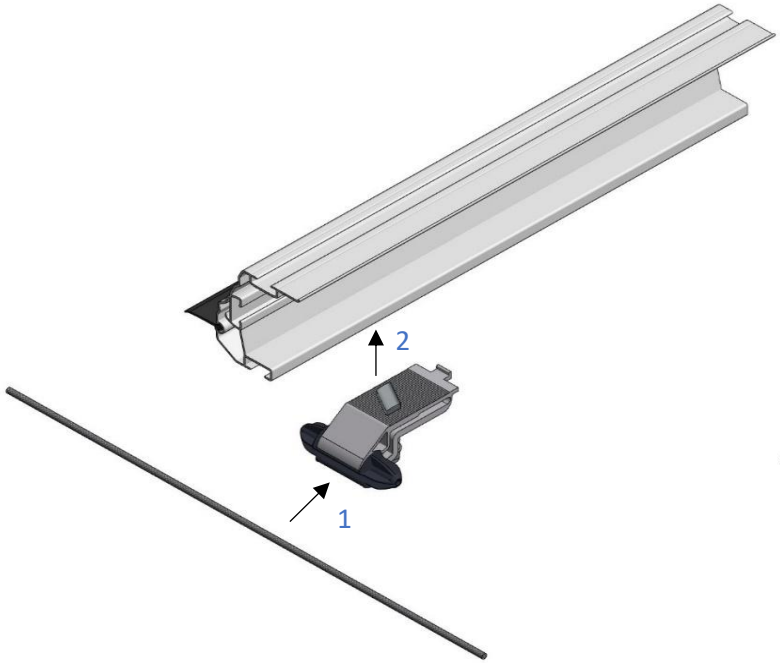
安装幕线定位卡使开口方向如图所示

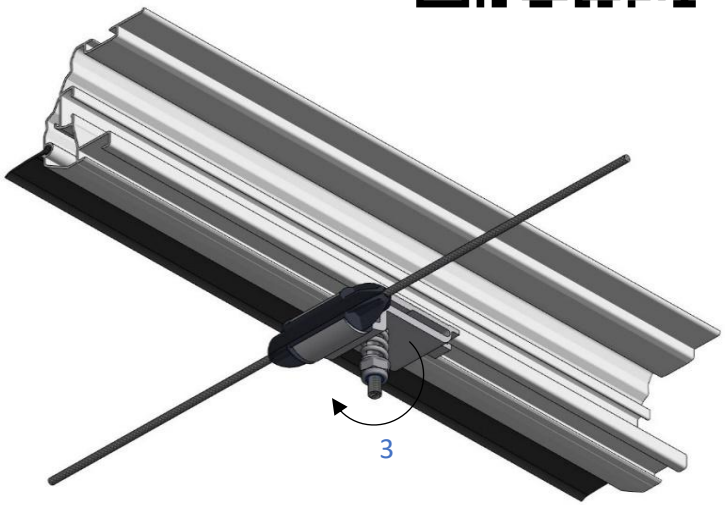




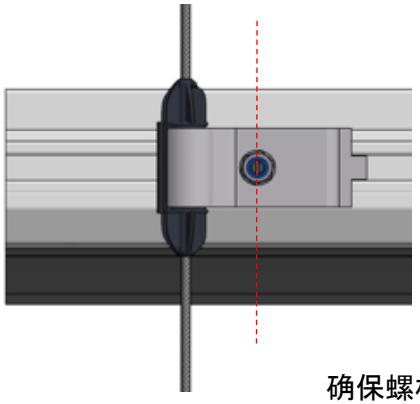
ValkKliMax 滑动驱动卡模块安装位置参考详细项目图纸

紧挨着换向轮前后的开间需要使用可滑动的ValkKliMax驱动卡。



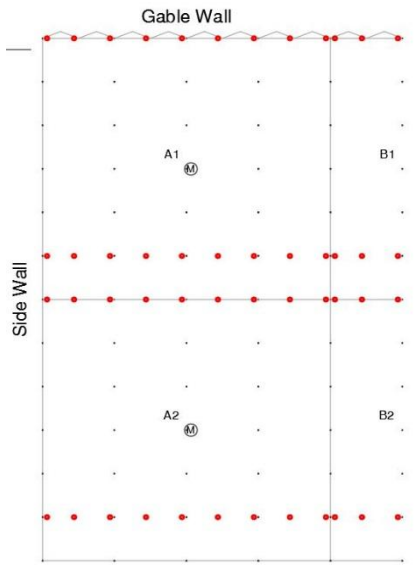


44.40.34 (绿色弹簧, 3 kg)
44.40.35 (**原色**弹簧, 6 kg)
44.40.36 (红色弹簧, 9 kg)

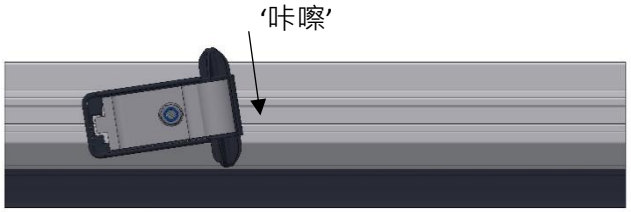


1. **把**钢丝绳卡到驱动卡ValkKliMax **里**。
2. **安装**ValkKliMax驱动卡到型材腔室里。
3. 最大扭矩6Nm，不要使用冲击扳手。

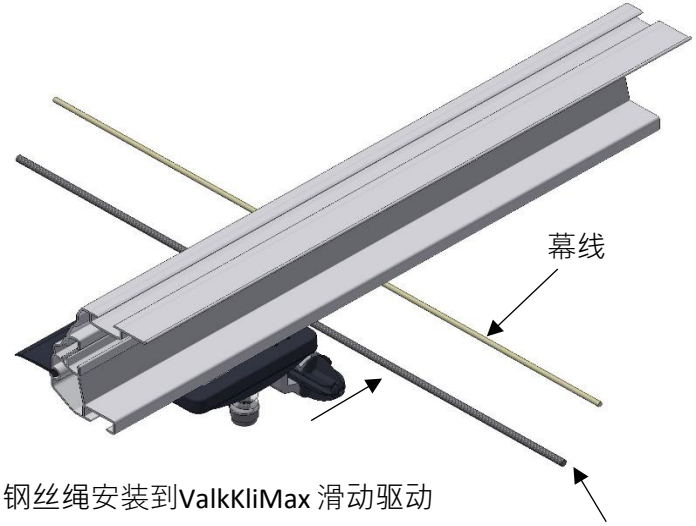
确保螺栓底部的横线与钢丝绳平行 。



ValkKliMax 滑动驱动卡模块安装位置参考详细项目图纸

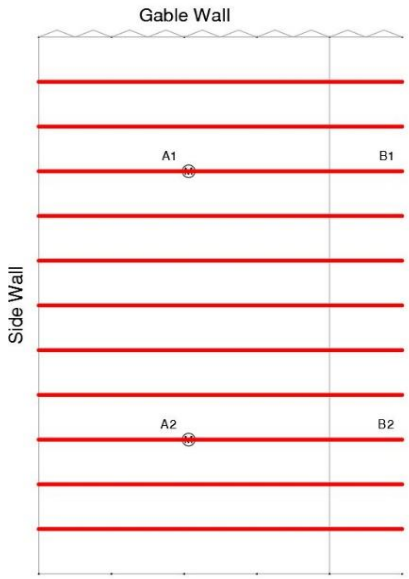


44.40.44 (绿色弹簧, 3 kg)
44.40.45 (蓝色弹簧, 6 kg)
44.40.46 (**黑色**弹簧, 9 kg)



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。

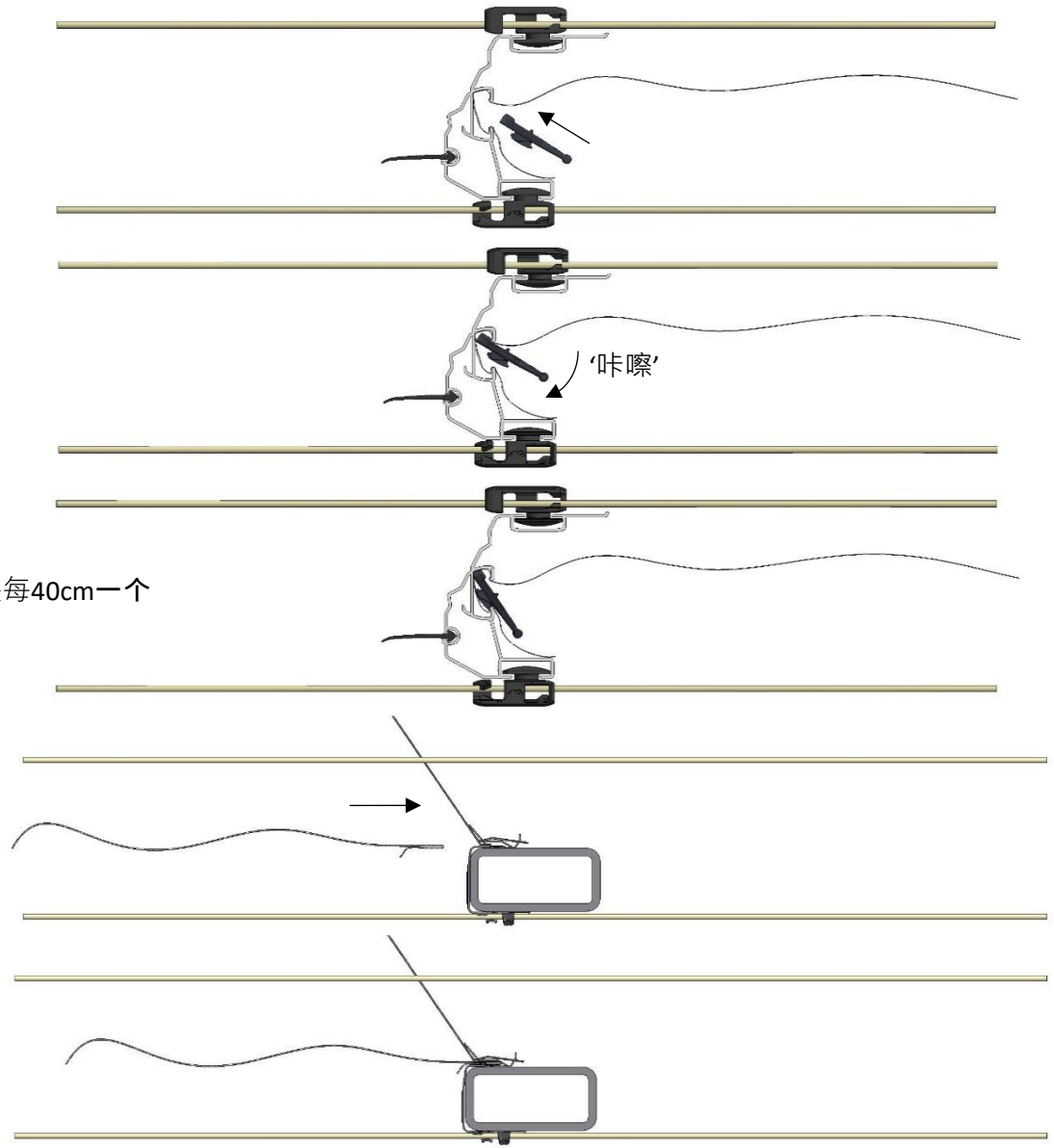
注意：
最大扭矩6Nm，不要使用冲击扳手



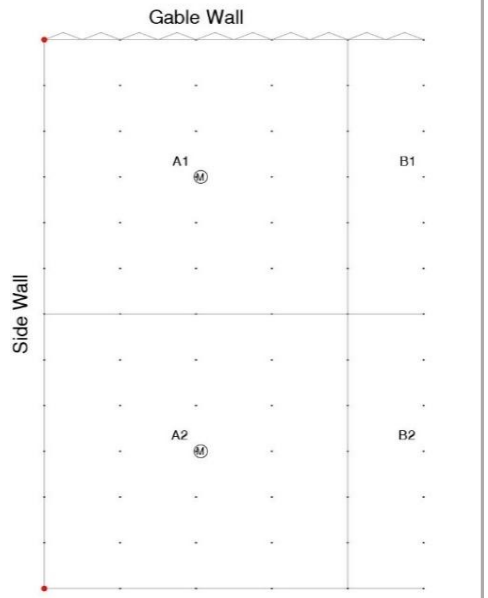
44.15.42

安装幕布夹每40cm一个

根据幕布供应商指导方法收卷幕布



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

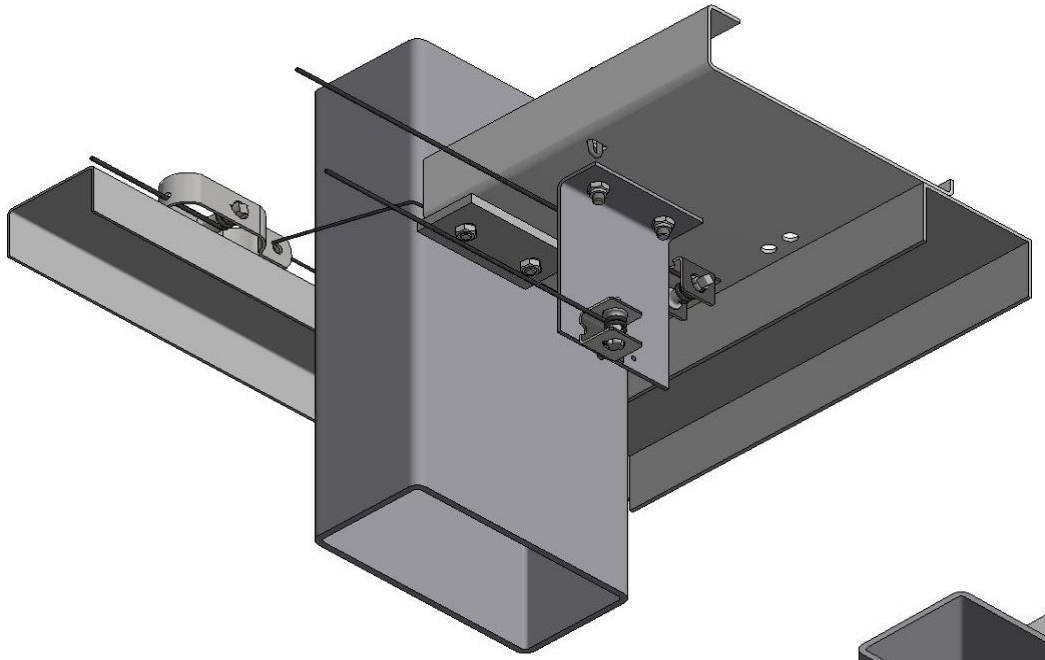
48.80.10

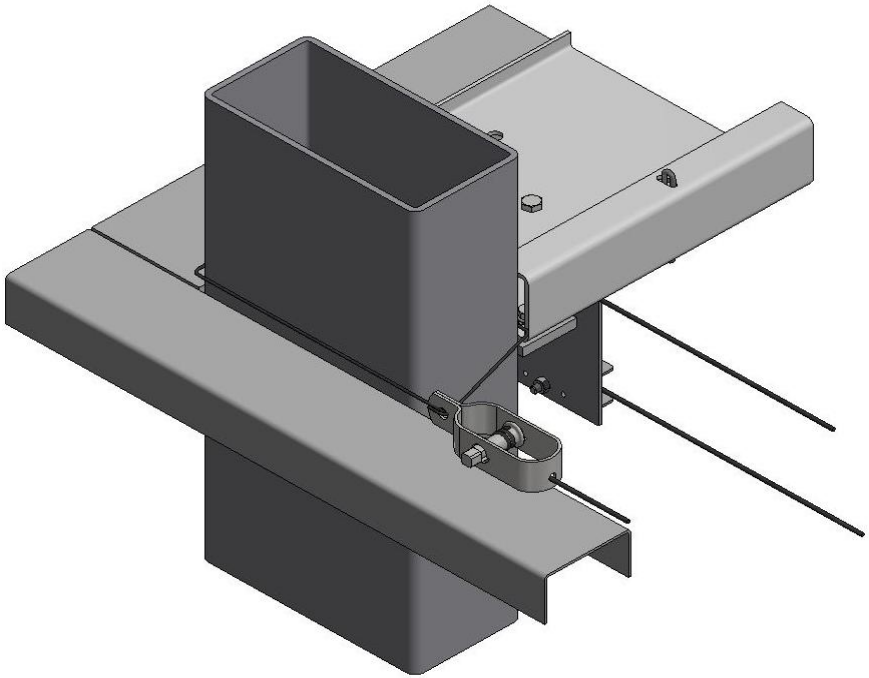
55.30.16 M6x16

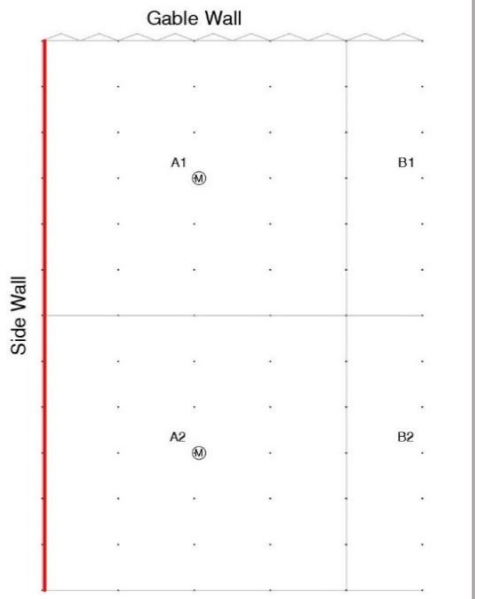
55.30.00 M6

48.20.15

48.80.12

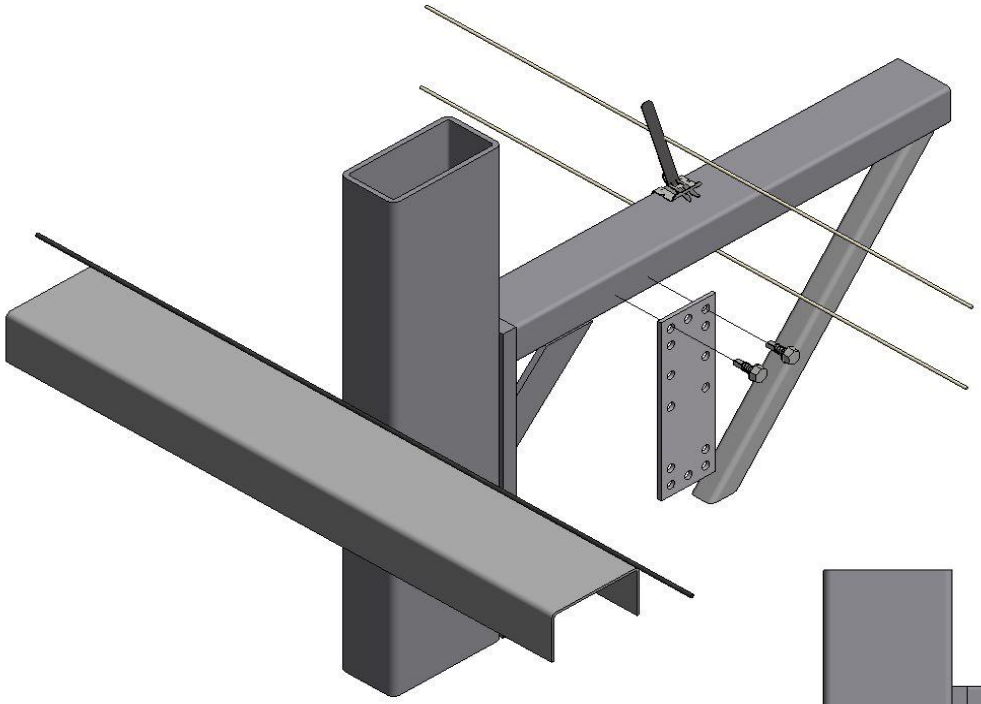


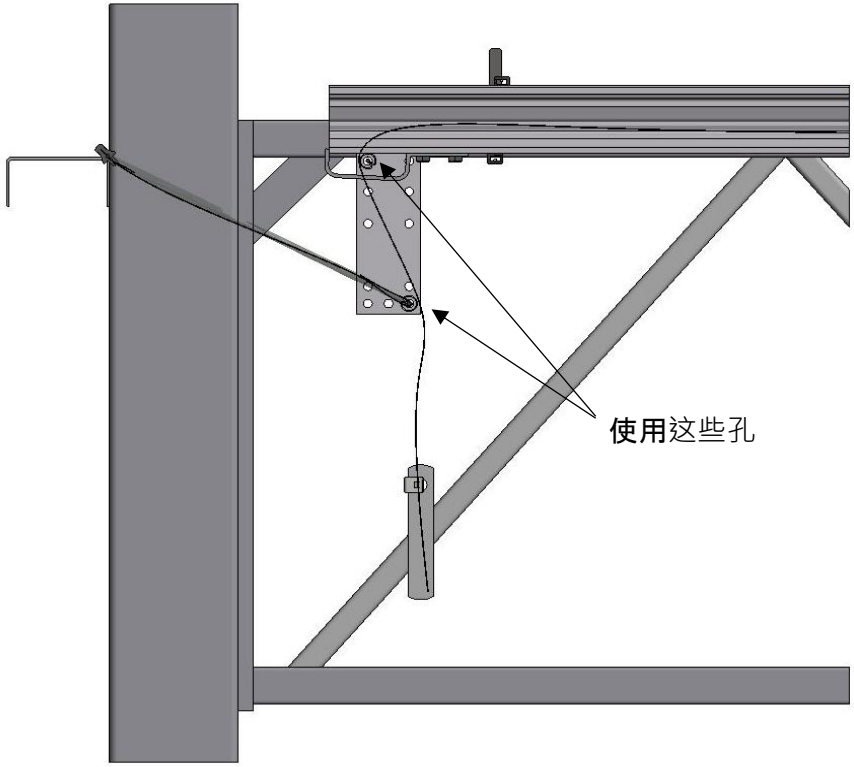


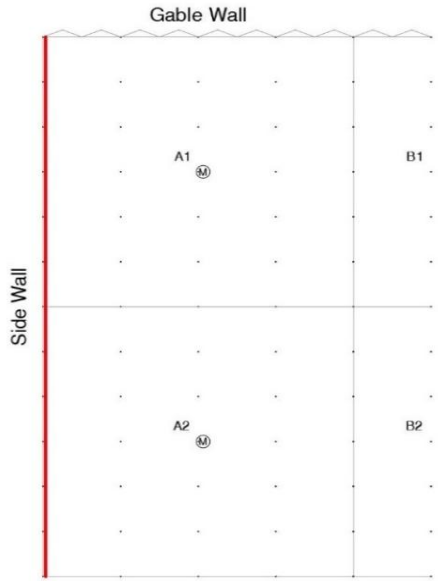


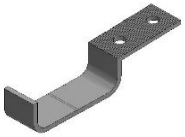
44.27.15

53.57.20





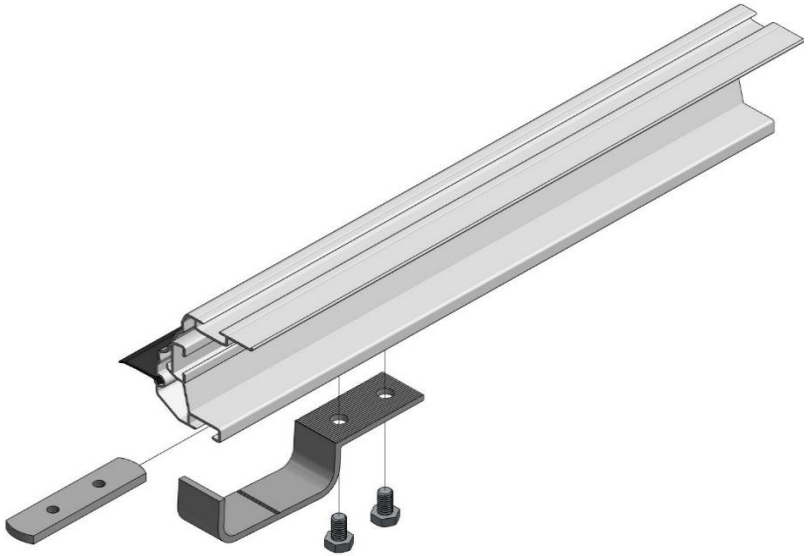


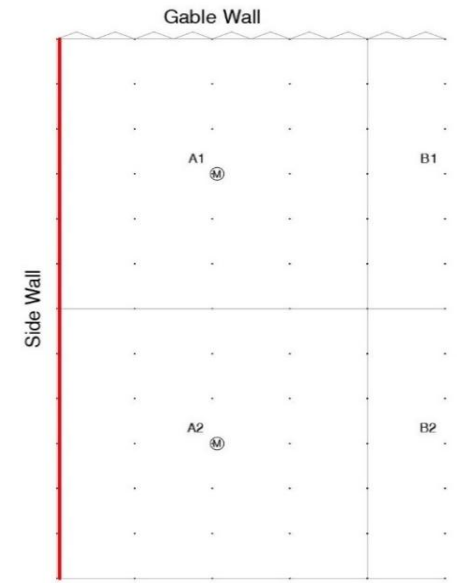


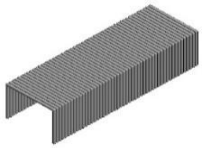
44.27.05

44.05.05

55.30.10



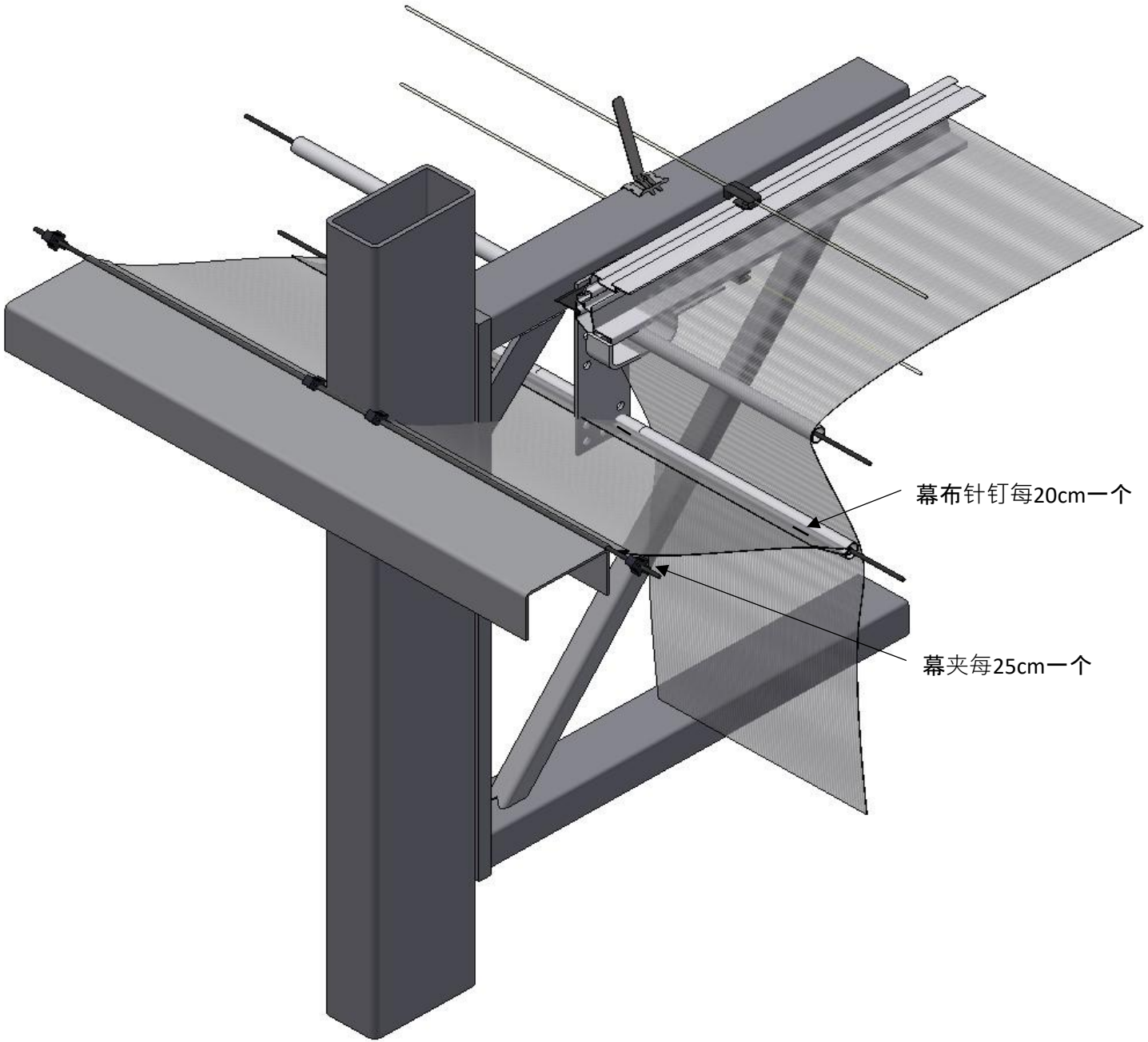


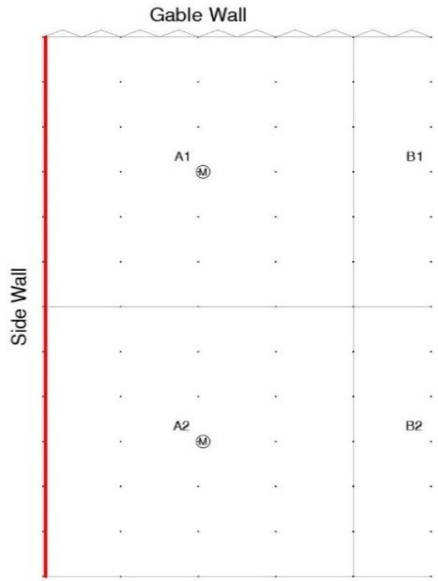


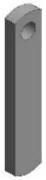
61.10.06

44.15.40

48.60.----



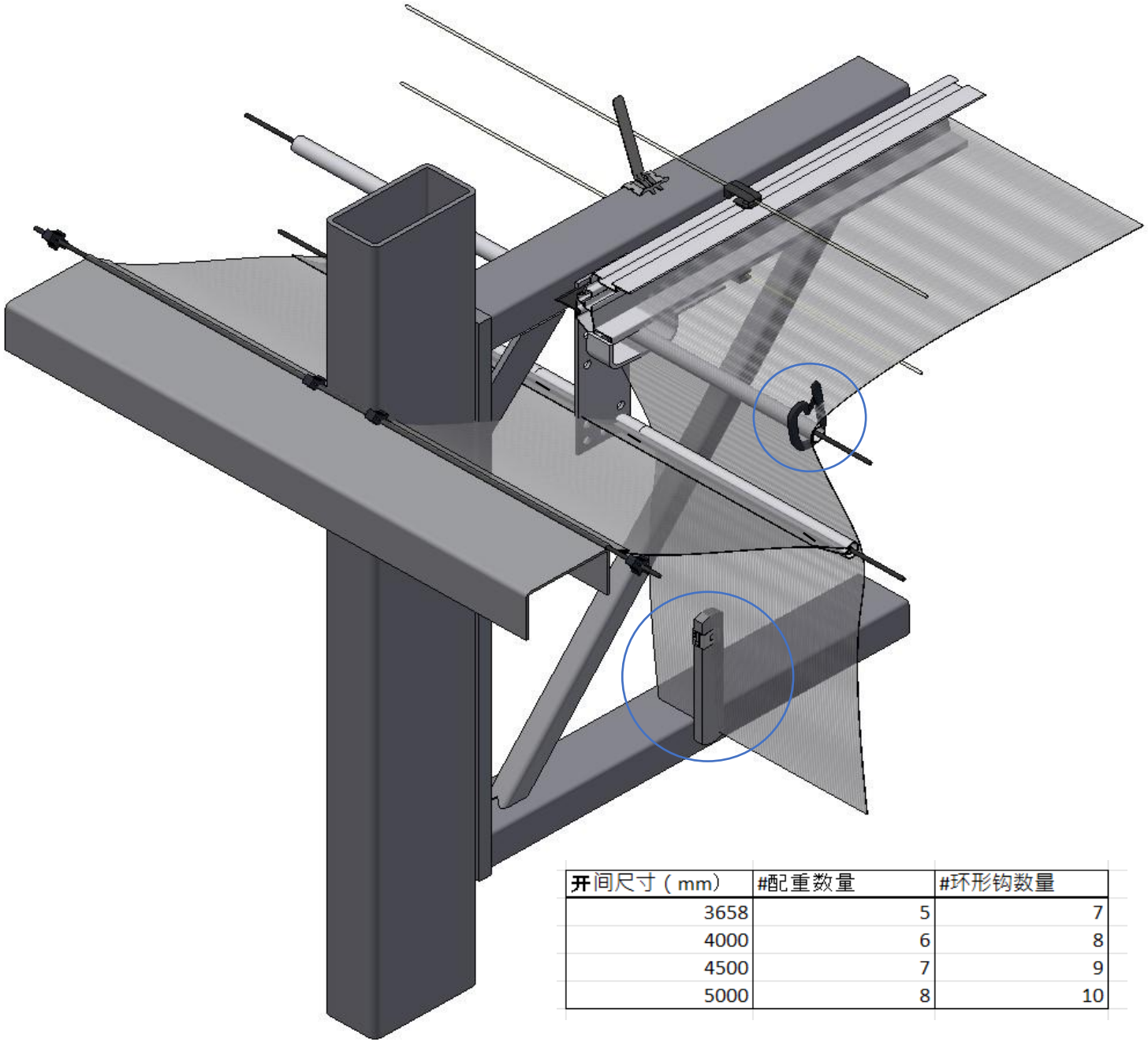




44.70.25

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