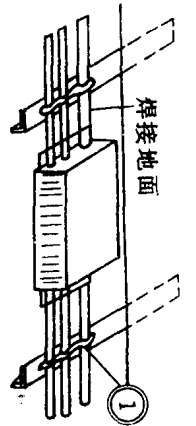


# 金属管布线明装做法图示

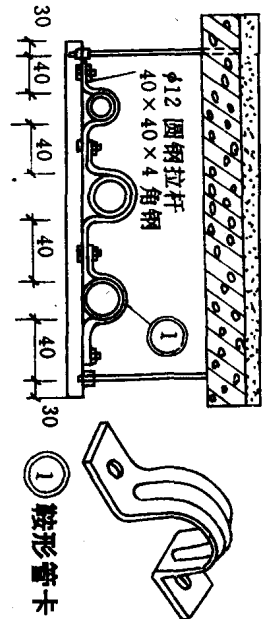
TX55

(图示做法应按各项施工说明及竣工验收规定全面施行)

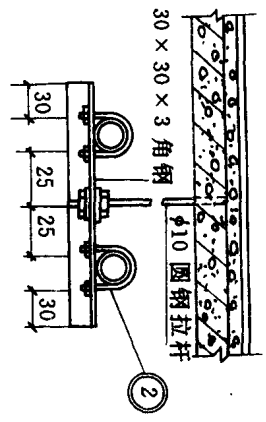
- 钢管明配安装做法图示 (一) ~ (十五)
- 钢管明配安装做法配件图 (一) ~ (二十)



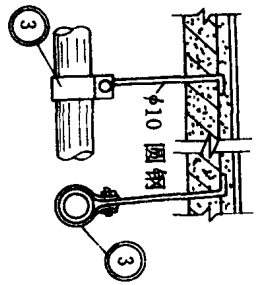
沿墙角钢支架



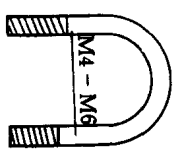
三管角钢吊架



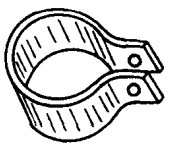
双管角钢吊架



单管角钢吊架



② 螺栓管卡



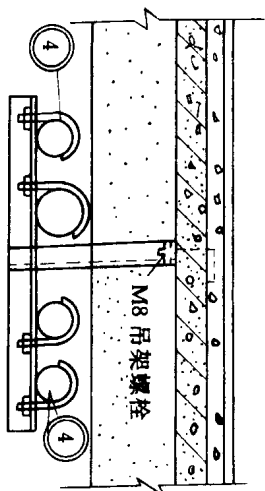
③ 环形管卡

| 吊架、支架固定点最大允许距离(米) |       |     |      |     |
|-------------------|-------|-----|------|-----|
| 管 径               | 钢管    | 电线管 | 硬塑料管 |     |
|                   | 水平或垂直 | 水平  | 垂直   |     |
| G15~G20           | 1.5   | 1.0 | 0.8  | 1.0 |
| G25~G32           | 2.0   | 1.5 | —    | —   |
| G25~G40           | —     | —   | 1.2  | 1.5 |
| G40~G50           | 2.5   | 2.0 | —    | —   |
| G50 以上            | —     | —   | 1.5  | 2.0 |
| G70~G100          | 3.5   | —   | —    | —   |

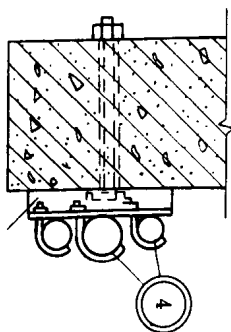
鞍形、环形、螺栓管卡规格及定货编号表

| 管 径     | 鞍形管卡   |        | 螺栓管卡   |        |
|---------|--------|--------|--------|--------|
|         | 单      | 双      | 螺栓管卡   | 环形管卡   |
| 定 货 编 号 |        |        |        |        |
| G15     | HX4601 | HX4602 | HX4603 | HX4604 |
| G20     | HX4611 | HX4612 | HX4613 | HX4614 |
| DG20    | HX4621 | HX4622 | HX4623 | HX4624 |
| G25     | HX4631 | HX4632 | HX4633 | HX4634 |
| DG25    | HX4641 | HX4642 | HX4643 | HX4644 |
| G32     | HX4651 | HX4652 | HX4653 | HX4654 |
| G40     | HX4661 | HX4662 | HX4663 | HX4664 |
| G50     | HX4671 | HX4672 | HX4673 | HX4674 |
| G75     | HX4681 | HX4682 | HX4683 | HX4684 |

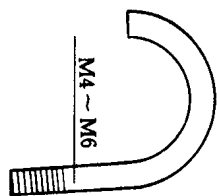
钢管明配安装做法图示 (一)



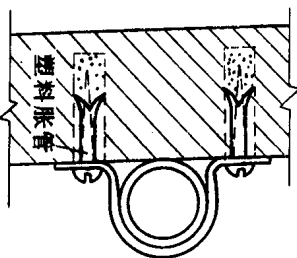
钢管在楼梁下敷设



钢管沿梁底侧面敷设



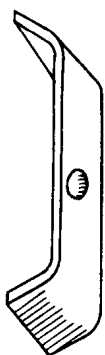
④ 单边螺栓管卡



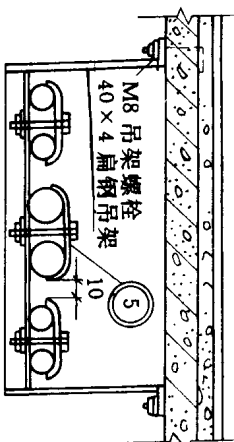
钢管沿墙敷设

单边螺栓、压板式管卡规格及定货编号表

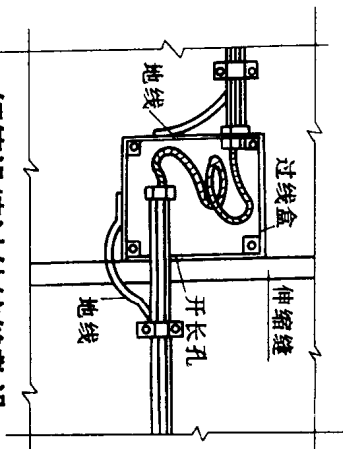
| 类<br>别 | 管 径     |        |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
|        | G15     | G20    | DG20   | G25    | DG25   | G32    | G40    | G50    | G75    |
|        | 定 货 编 号 |        |        |        |        |        |        |        |        |
| 单边螺栓管卡 |         |        |        |        |        |        |        |        |        |
|        | HX4691  | HX4701 | HX4711 | HX4721 | HX4731 | HX4741 | HX4751 | HX4761 | HX4771 |
| 压板式管卡  |         |        |        |        |        |        |        |        |        |
|        | HX4692  | HX4702 | HX4712 | HX4722 | HX4732 | HX4742 | HX4752 | HX4762 | HX4772 |



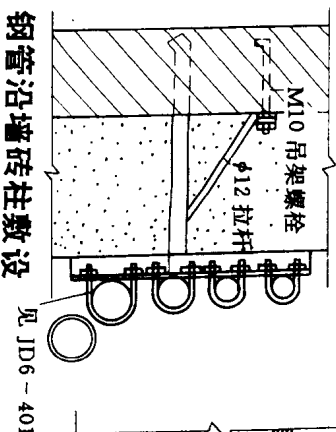
⑤ 压板式管卡



钢管在楼板下敷设

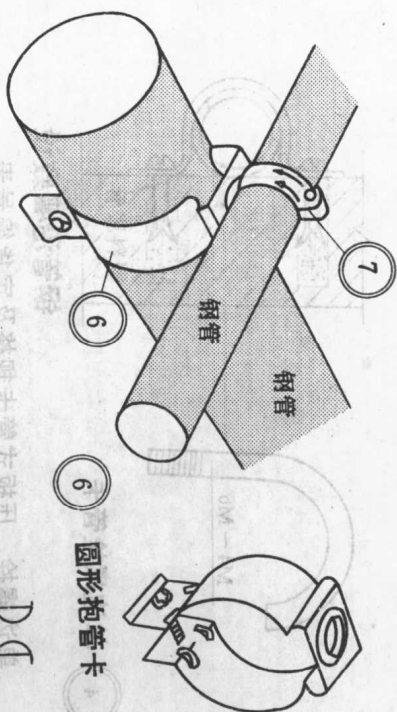


钢管沿墙过伸缩缝敷设

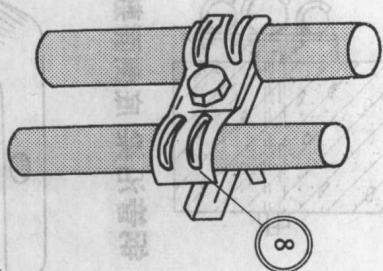


钢管沿墙砖柱敷设  
见 JD6-401

钢管明配安装做法图示 (二)

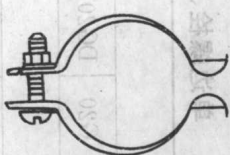


圆形抱管卡

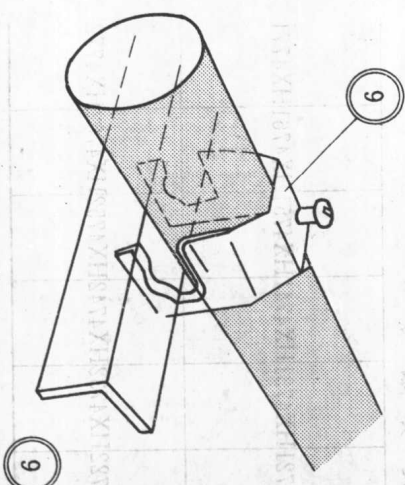


管卡使用三式

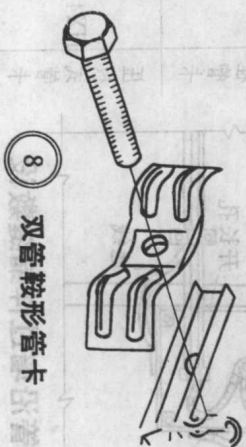
管卡使用一式



羊角管卡



多边抱式管卡



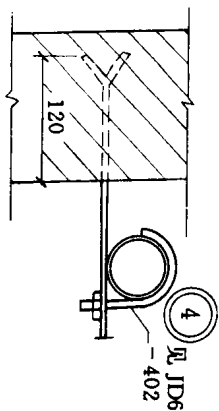
双管鞍形管卡

管卡使用二式

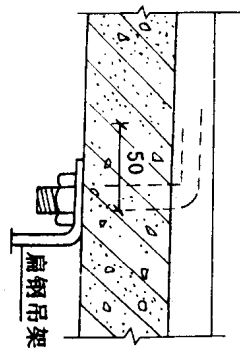
各种管卡规格及定货编号表

| 管径   | 双管鞍形管卡 | 多用抱式管卡 | 圆形抱管卡  | 羊角管卡   |
|------|--------|--------|--------|--------|
| G15  | HX4781 | HX4782 | HX4783 | HX4784 |
| G20  | HX4791 | HX4792 | HX4793 | HX4794 |
| DG20 | HX4801 | HX4802 | HX4803 | HX4804 |
| G25  | HX4811 | HX4812 | HX4813 | HX4814 |
| DG25 | HX4821 | HX4822 | HX4823 | HX4824 |
| G32  | HX4831 | HX4832 | HX4833 | HX4834 |
| G40  | HX4841 | HX4842 | HX4843 | HX4844 |
| G50  | HX4851 | HX4852 | HX4853 | HX4854 |
| G75  | HX4861 | HX4862 | HX4863 | HX4864 |

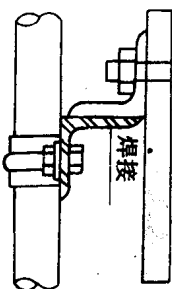
钢管明配安装做法图示 (三)



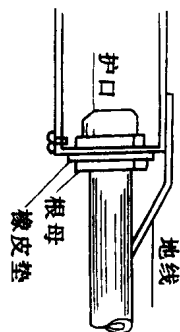
角钢支架随墙砌入做法



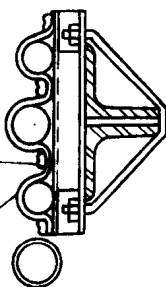
吊架螺栓做法



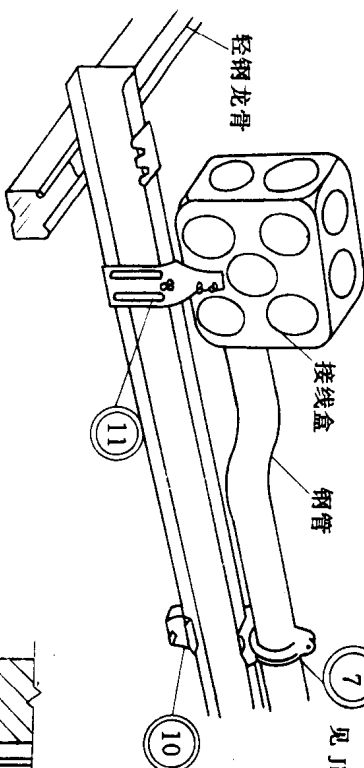
角钢支架连接做法



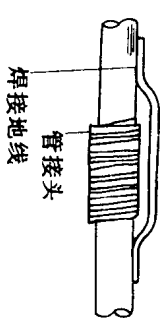
钢管与接线盒连接



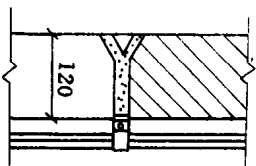
40×40×4 角钢支架  
钢管沿钢屋架敷设



钢管接线盒固定在轻钢龙骨上  
安装示意图



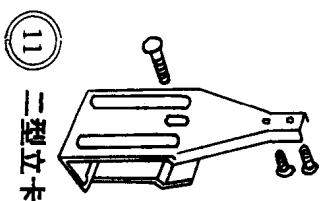
钢管接头做法



单管扁钢支架



一型立卡

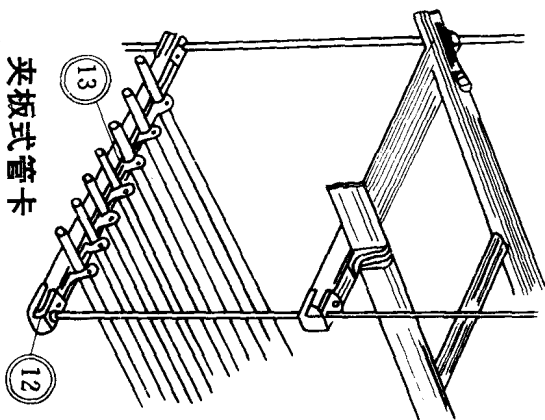


二型立卡

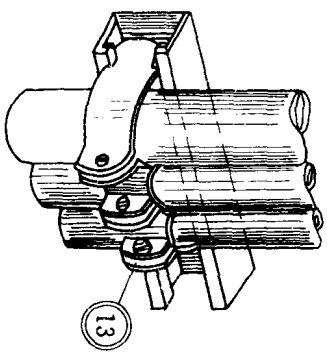
立卡规格及定货编号表

| 轻钢龙骨<br>规格<br>(毫米) | 立卡     |        |
|--------------------|--------|--------|
|                    | 一型立卡   | 二型立卡   |
| 25×19              | HX4901 | HX4902 |
| 45×15              | HX4911 | HX4912 |
| 50×19              | HX4921 | HX4922 |

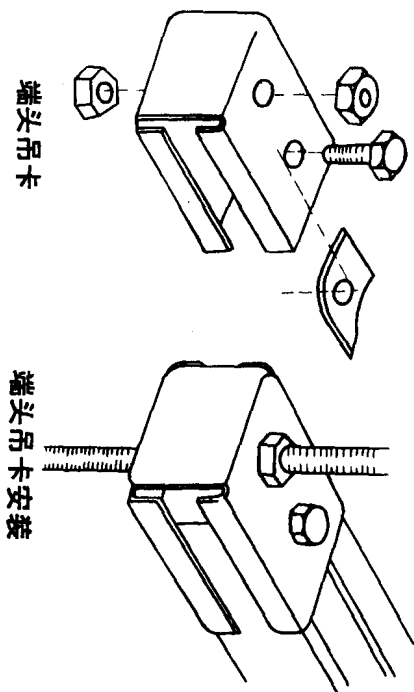
钢管明配安装做法图示 (四)



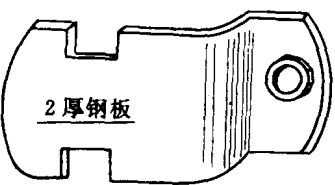
夹板式管卡  
水平安装示意图



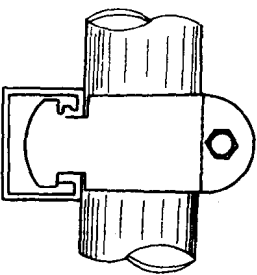
夹板式管卡垂直安装示意图



端头吊卡  
端头吊卡



夹板式管卡  
夹板式管卡



夹板式管卡安装

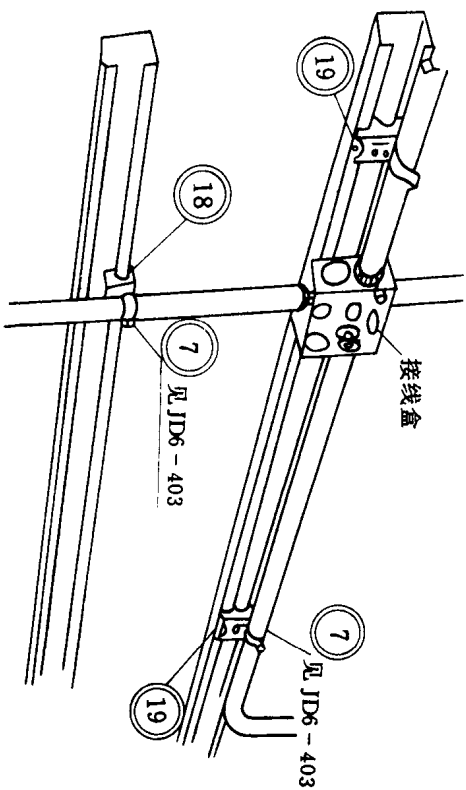
夹板式管卡规格及定货编号表

| 规格   | 定货编号   |
|------|--------|
| G15  | HX5001 |
| G20  | HX5011 |
| DG20 | HX5021 |
| G25  | HX5031 |
| DG25 | HX5041 |
| G32  | HX5051 |
| G40  | HX5061 |
| G50  | HX5071 |
| G75  | HX5081 |

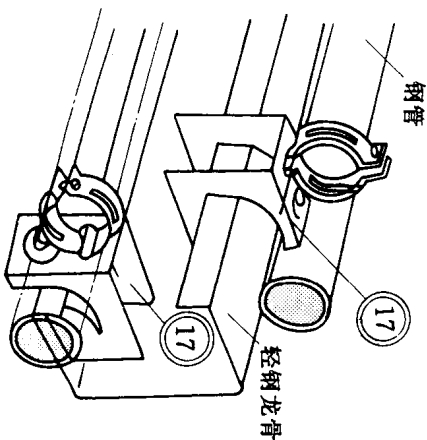
端头吊卡规格及定货编号表

| 轻钢龙骨规格<br>(毫米) | 定货编号   |
|----------------|--------|
| 25×19          | HX5101 |
| 45×15          | HX5111 |
| 50×19          | HX5121 |

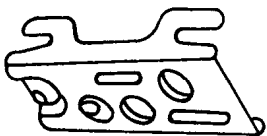
钢管明配安装做法图示 (五)



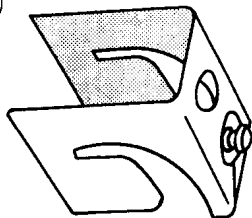
钢管在轻钢龙骨上安装示意图之一



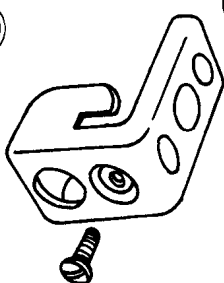
钢管在轻钢龙骨上  
安装示意图之二



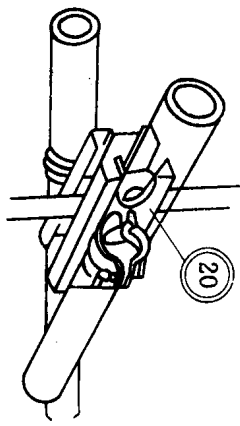
⑲ 勾形卡(三式)



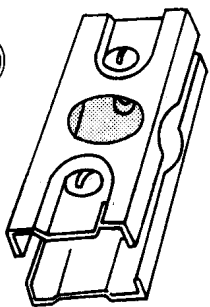
⑰ 勾形卡(一式)



⑱ 勾形卡(二式)



圆钢夹板管卡安装示意图

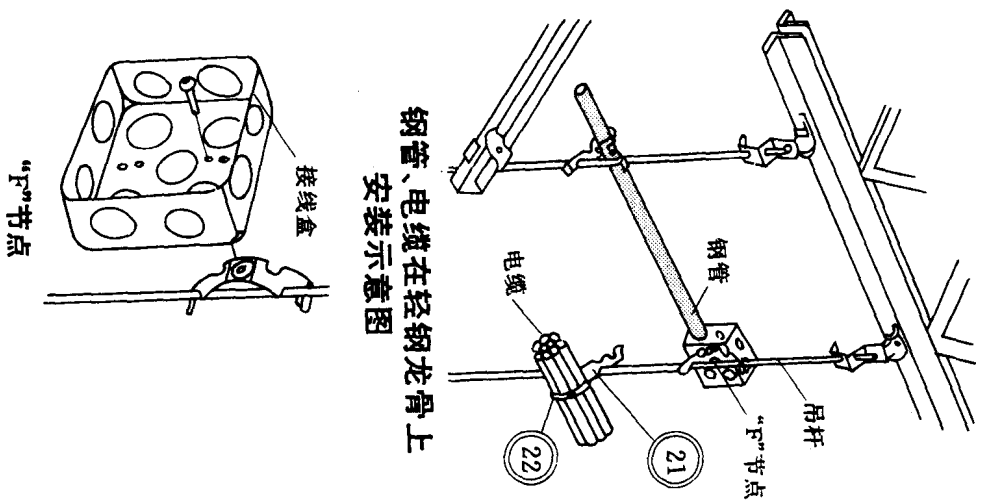


⑳ 圆钢夹板管卡

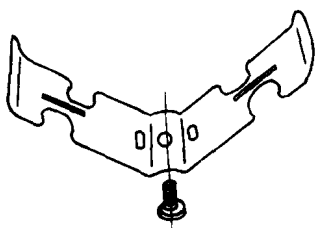
各种卡子规格及定货编号表

| 线槽    | 定 货 编 号     |             |             |        | 圆钢夹板管卡 |
|-------|-------------|-------------|-------------|--------|--------|
|       | 勾形卡<br>(一式) | 勾形卡<br>(二式) | 勾形卡<br>(三式) |        |        |
| 25×19 | HX5161      | HX5171      | HX5181      | HX5191 |        |
| 45×15 | HX5201      | HX5211      | HX5221      | HX5231 |        |
| 50×19 | HX5241      | HX5251      | HX5261      | HX5271 |        |

钢管明配安装做法图示 (六)

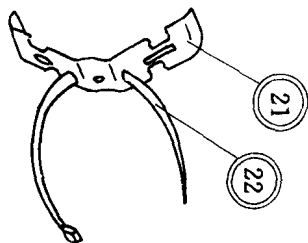


钢管、电缆在轻钢龙骨上  
安装示意图

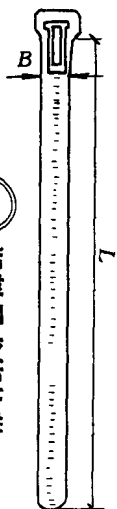


21 弹簧钢片

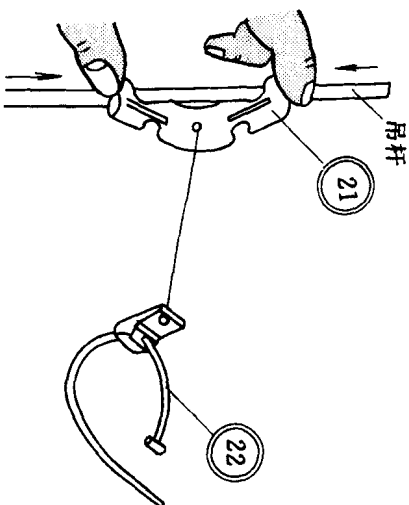
(定货编号: HX5281)



塑料尼龙绑扎带  
安装做法图之一



22 塑料尼龙绑扎带

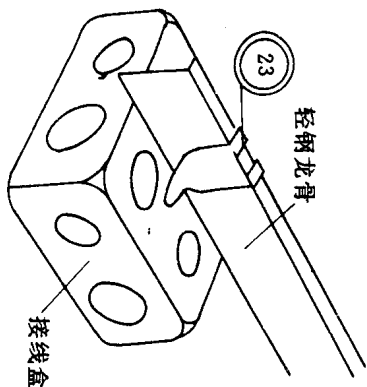


塑料尼龙绑扎带安装做法图之二

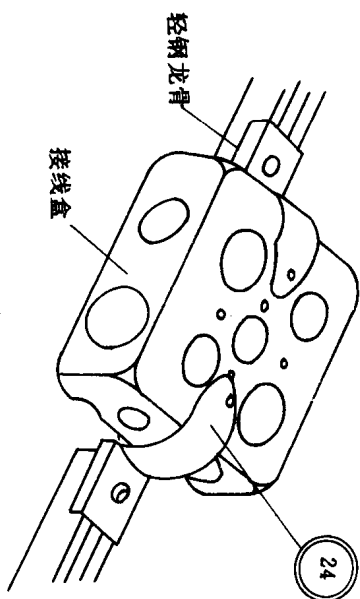
塑料、尼龙绑扎带规格及定货编号

| 名称    | 型号 | 规格 (毫米) |    | 定货编号   |
|-------|----|---------|----|--------|
|       |    | L       | B  |        |
| 塑料绑扎带 | S1 | 118     | 3  | HX5301 |
|       | S2 | 160     | 5  | HX5302 |
|       | S3 | 250     | 10 | HX5303 |
|       | S4 | 348     | 10 | HX5304 |
| 尼龙绑扎带 | N1 | 118     | 3  | HX5305 |
|       | N2 | 160     | 5  | HX5306 |
|       | N3 | 250     | 10 | HX5307 |
|       | N4 | 348     | 10 | HX5308 |

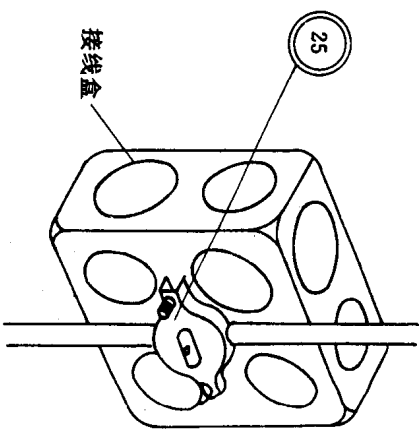
钢管明配安装做法图示 (七)



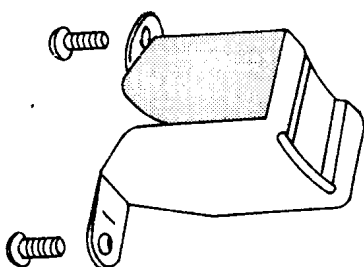
接线盒固定在方形  
轻钢龙骨上安装示意图



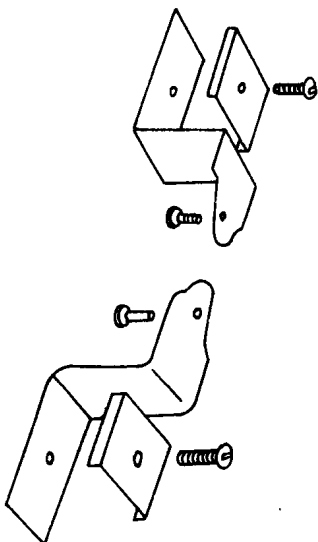
连接龙骨固定卡安装示意图



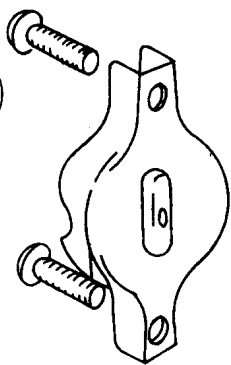
接线盒固定在圆形轻钢  
龙骨上安装示意图



23 方形抱卡  
(定货编号: HXS331)

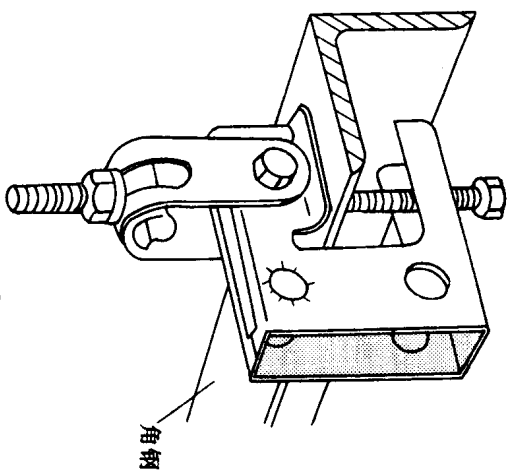


24 连接龙骨固定卡组装图  
(定货编号: HXS341)

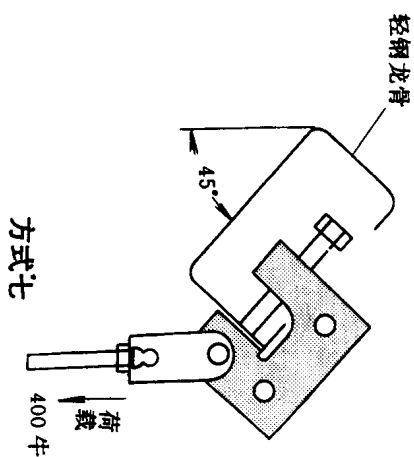
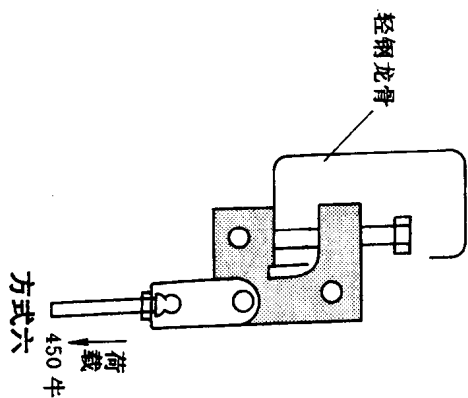
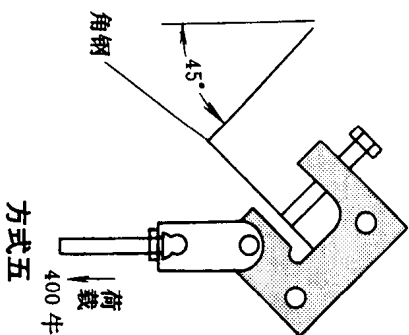
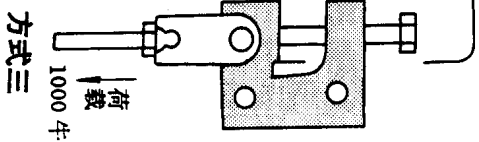
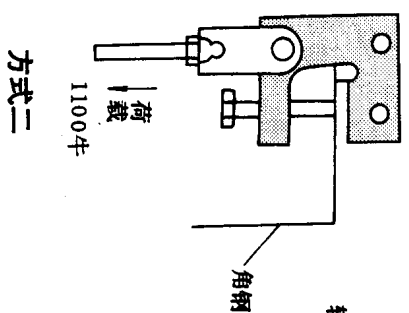
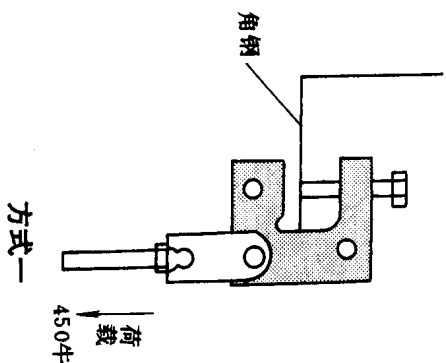
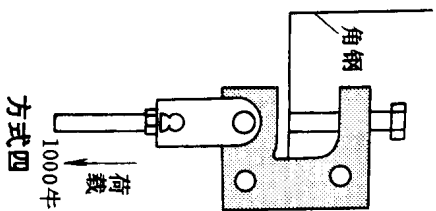


25 圆形抱卡  
(定货编号: HXS351)

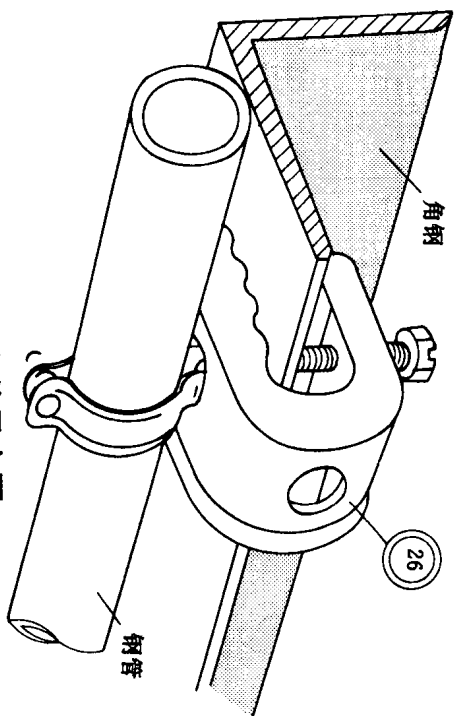
钢管明配安装做法图示 (八)



万能型吊具  
(定货编号: HX5361)

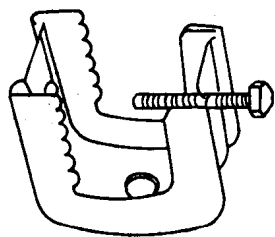


万能型吊具在不同安装方式下的允许荷载图

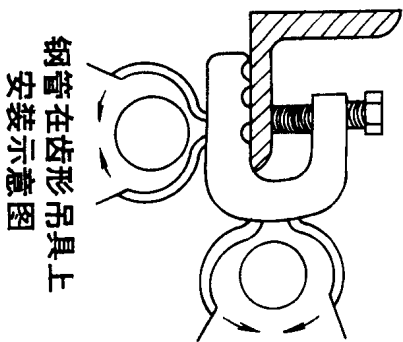
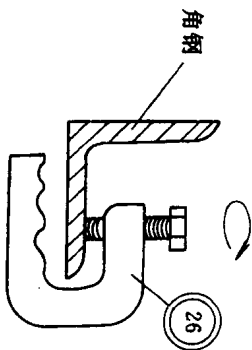


钢管在角钢上安装示意图

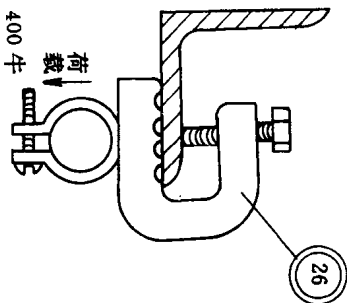
②6 齿形吊具  
(定货编号: HXS371)



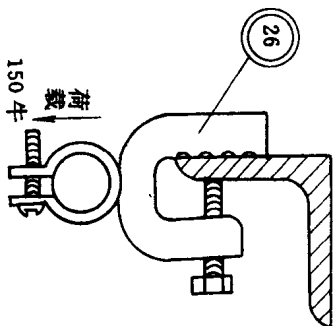
齿形吊具在角钢上  
安装示意图



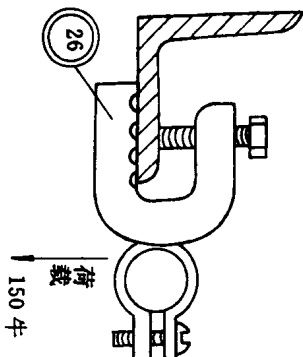
钢管在齿形吊具上  
安装示意图



齿形吊具允许  
荷载图之一



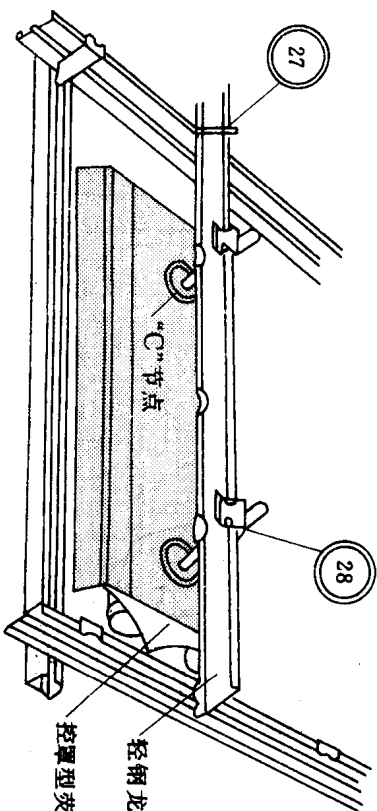
齿形吊具允许  
荷载图之二



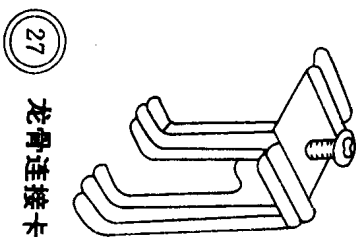
齿形吊具允许  
荷载图之三

钢管明配安装做法图示 (十)

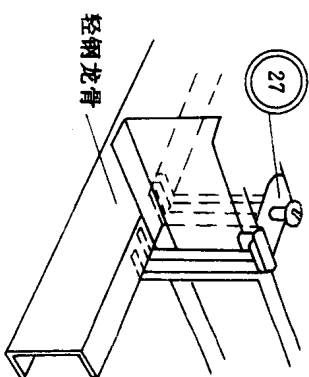
TX 10  
55



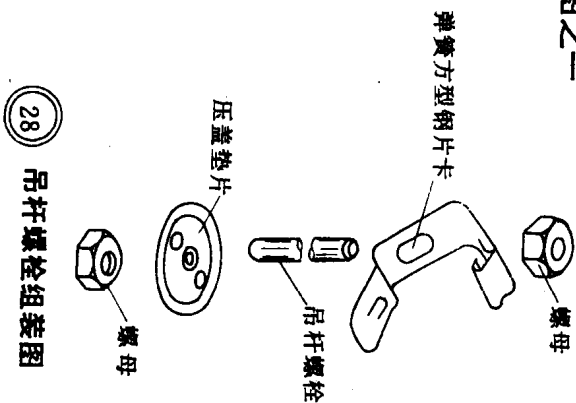
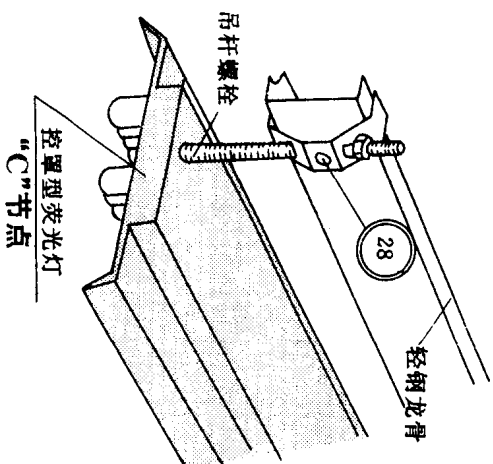
荧光灯具在轻钢龙骨上做安装示意图之一



龙骨连接卡



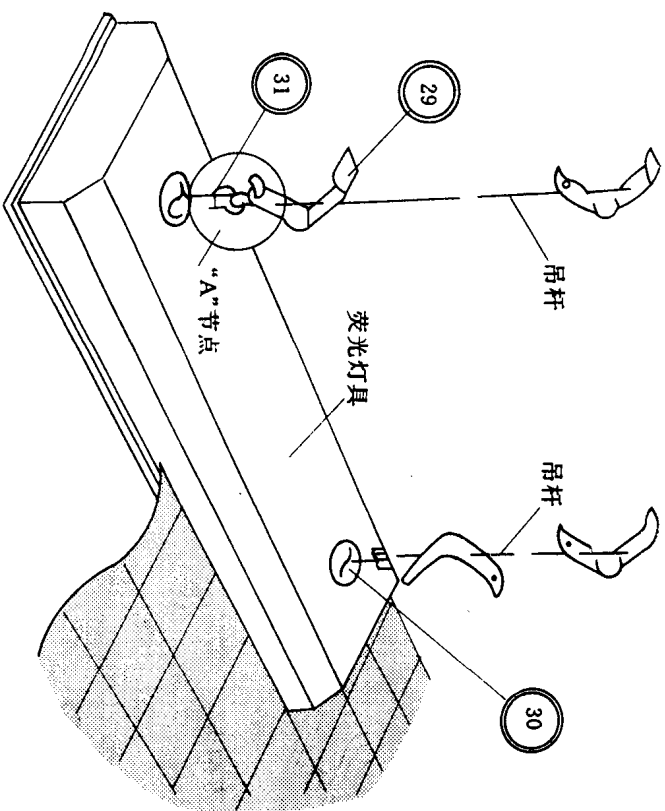
龙骨连接卡安装示意图



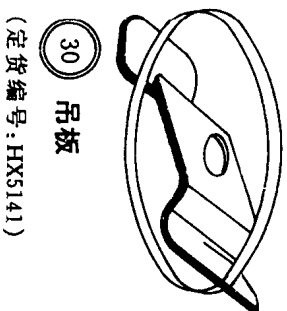
吊杆螺栓组装图

| 吊杆组装金具规格及定货编号表 |  |        |        |
|----------------|--|--------|--------|
| 轻钢龙骨规格 (毫米)    |  | 32     | 48     |
| 吊杆螺栓规格         |  | φ6     | φ8     |
| 定 货 编 号        |  |        |        |
| 吊杆连接卡          |  | HX5381 | HX5382 |
| 弹簧方型钢片卡        |  | HX5391 | HX5392 |
| 吊杆螺栓组装         |  | HX5401 | HX5402 |

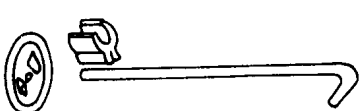
吊杆组装金具



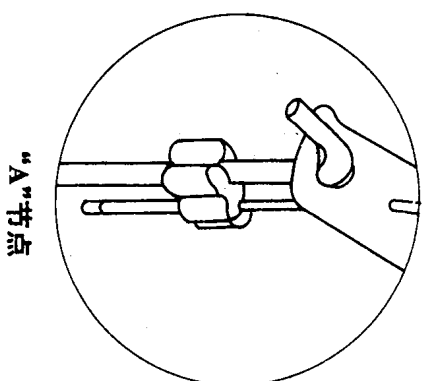
荧光灯具在轻钢龙骨上安装示意图之二



29 弹簧钢卡片  
(定货编号: HX5131)

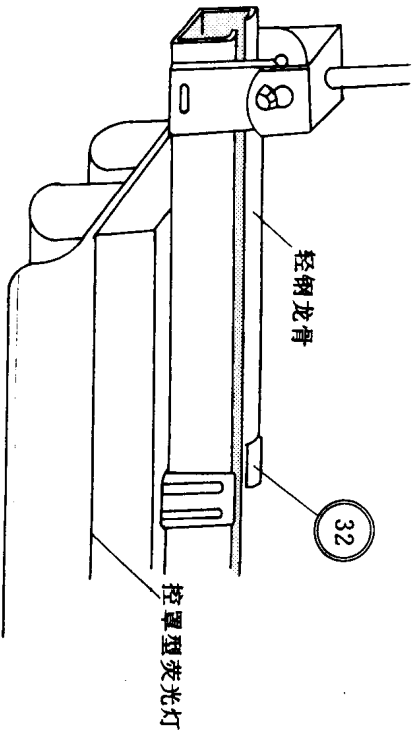


31 吊棍  
(定货编号: HX5151)

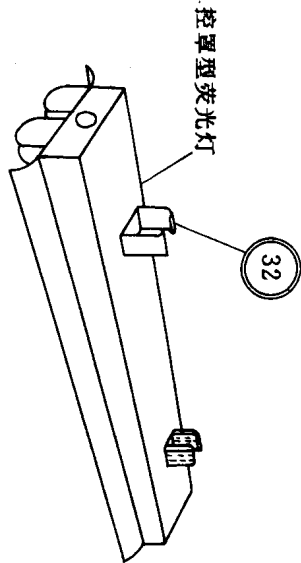
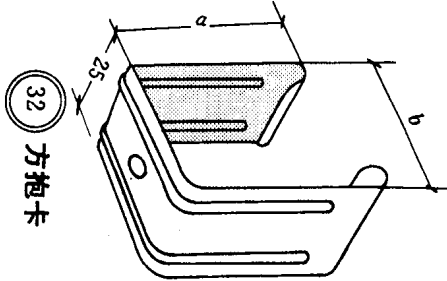


弹簧钢卡片安装示意图

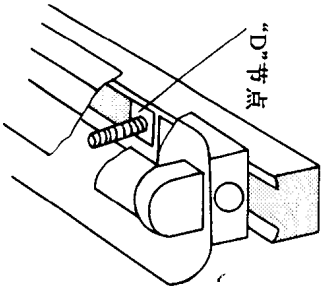
钢管明配安装做法图示 (十二)



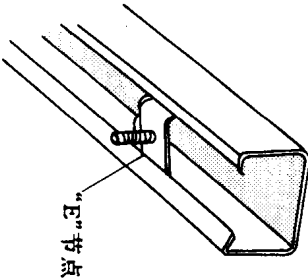
荧光灯具在轻钢龙骨上安装示意图之三



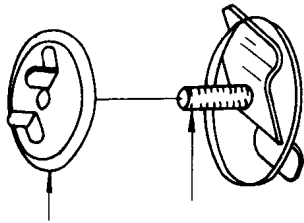
方抱卡安装位置示意图



吊板固定  
荧光灯示意图  
(定货编号: HX5141)



(吊板连接轻钢龙骨示意图)

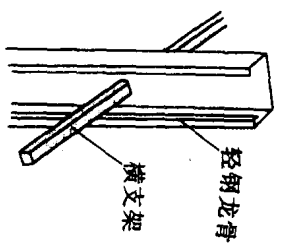
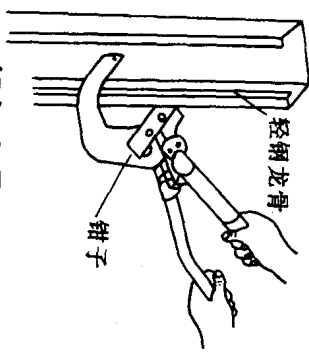
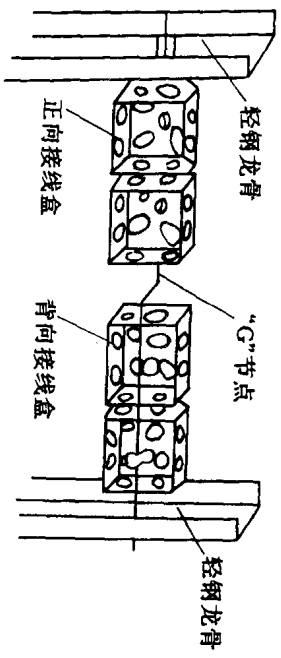


(定货编号: HX5141)

方抱卡规格及定货编号表

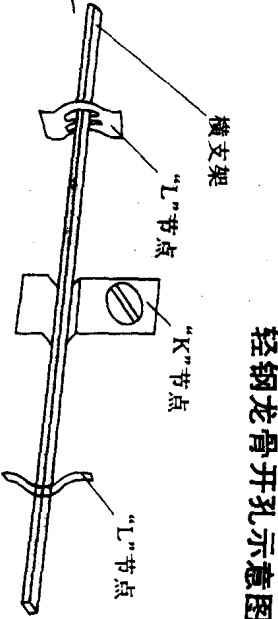
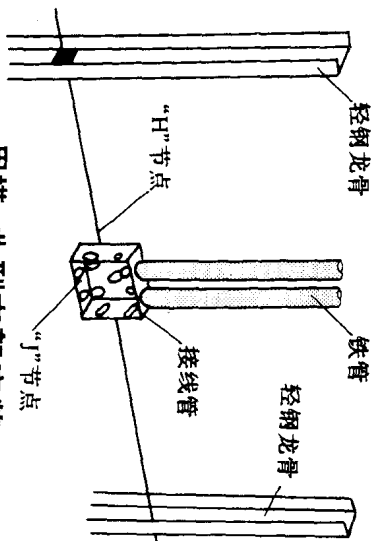
| 名称    | 规格 (毫米) |    | 定货编号   |
|-------|---------|----|--------|
|       | a       | b  |        |
| 方抱卡 1 | 32      | 12 | HX5411 |
| 方抱卡 2 | 48      | 15 | HX5421 |

钢管明配安装做法图示 (十三)

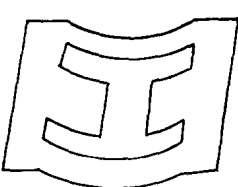
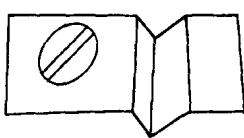


轻钢龙骨开孔示意图

横支架插入轻钢龙骨



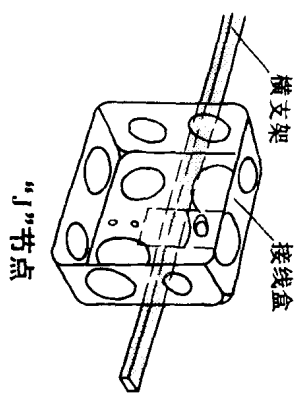
横支架及其安装配件示意图



“K”节点(背卡)  
(定货编号: HX5451)

“L”节点(铁挡板)  
(定货编号: HX5461)

用横、曲型支架安装  
接线盒示意图

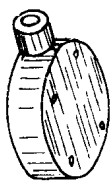


“G”节点(曲形支架)  
(定货编号: HX5431)



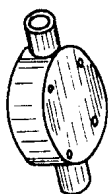
“H”节点(横支架)  
(定货编号: HX5441)

钢管明配安装做法图示 (十四)



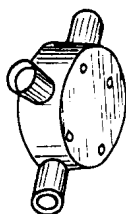
一通

(定货编号: HXS471)



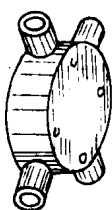
二通

(定货编号: HXS481)



三通

(定货编号: HXS491)



四通

(定货编号: HXS501)



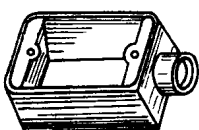
拐角盒

(定货编号: HXS521)



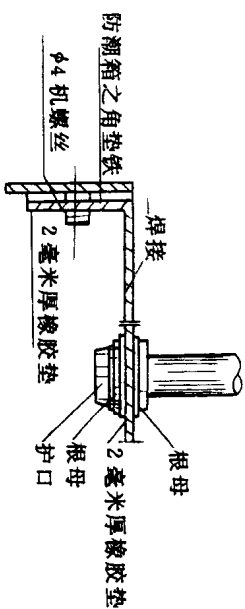
拐角盒

(定货编号: HXS531)

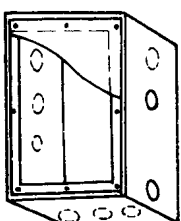


开关盒

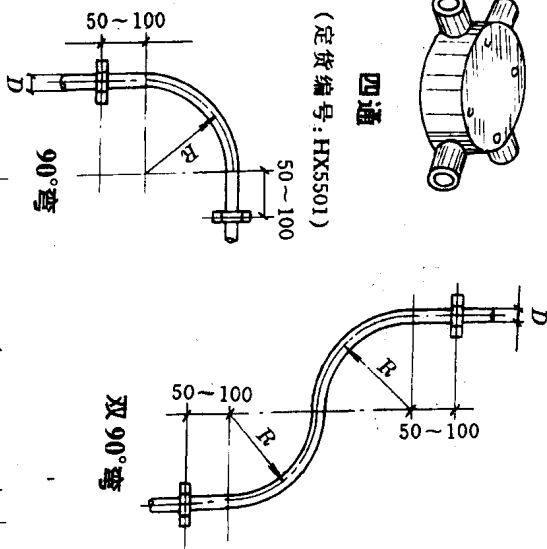
(定货编号: HXS511)



防潮箱做法

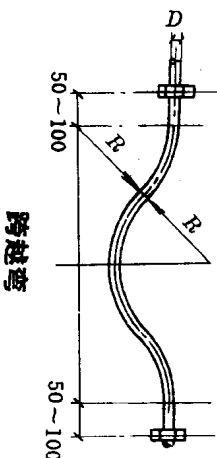


接线箱



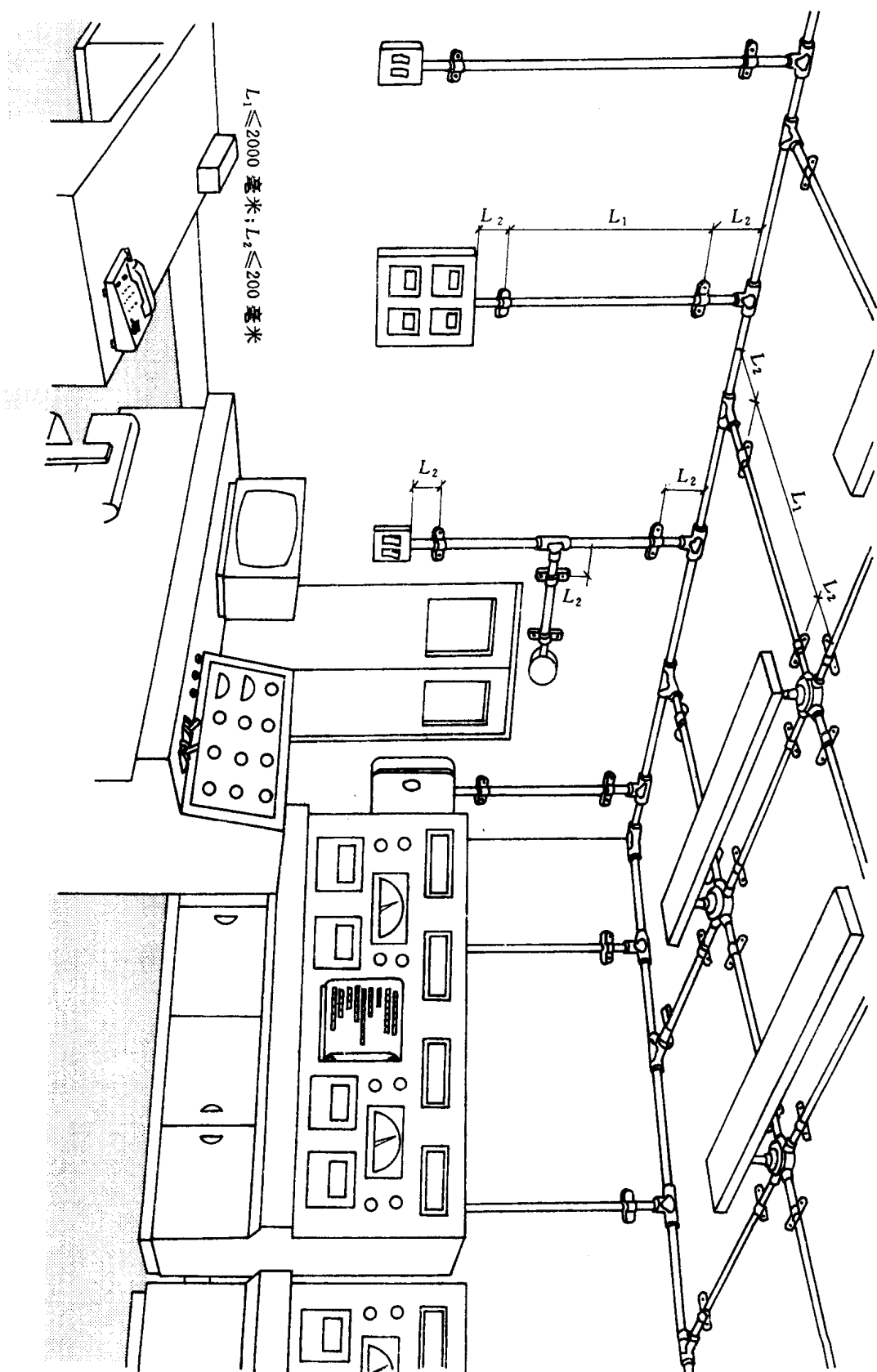
90°弯

双90°弯



跨越弯

注: 1. 钢管弯曲半径  $R$ , 在一般情况下不小于钢管直径  $D$  的 6 倍; 地面下条件许可时, 可为直径的 10 倍; 明暗敷设只有一个弯时, 可为 4 倍。  
2. 凡属防潮箱均加橡胶垫。



钢管明配安装做法配件图 (一)