

安裝要求 INSTALLATION

- 1 只要存在墜落風險就必須安裝欄杆。The handrails shall be installed in the area where is a fall risk.
- 2 當可能墜落高度超過 500mm 時，必須安裝欄杆。The handrails shall be installed when the fall height may exceed 500mm.
- 3 如果操作平臺和設備構架或牆壁之間的間距小於 200mm 並且構架的防護等效於欄杆時，不需要裝欄杆。但是，當操作平臺和相鄰的構架之間的間距大於 30mm 時，要有踢腳板。If the space between working platform and plant structure or wall is less than 200mm and the structures protection equal to the handrails, there is no need to install handrails. However, if the space between working platform and adjacent structure is more than 30mm, there shall be installed toe plates.
- 4 立柱間距應限制在 1500mm 內。如果超過這一距離，應特別注意立柱的固定強度和增加固定的裝置。The space of stanchions shall be limited within 1500mm. If exceeding this space, the special note shall be taken fixing strength of stanchion and add fixing device.
- 5 在中斷扶手的情況下，兩段欄杆間最大淨間距不應超過 120mm。如出現兩段欄杆間最大淨間距超過 120mm 而又不便加裝立柱的情況，允許在同樣高度用與欄杆的扶手和橫杆相同的鋼管焊接連接，然後加以防腐塗裝。In the conditions of rails stopped, the maximum clear space between two segment handrails shall be no more than 120mm. If the maximum clear space over 120mm and the stanchions can not be added convenience, the welding connection is permitted use same pipes as top rails and mid rails in the same height, then anti corrosion coating shall be carried out.
- 6 所有進出口，應安裝自關門。自關門應具有和欄杆同樣高度的扶手和橫杆，參考圖 4.9。All entrance and exit shall be installed self closing gates. The self closing gates shall be with top rails and mid rails, the height same as handrails. Refer to Drawing 4.9.
 - a) 自關門只能朝一個方向打開。The self closing gate only can be opened in single direction.
 - b) 自關門的打開方向不應朝向墜落方向。The opened direction of the self closing gate shall not toward to fall direction.
 - c) 自關門應能很容易打開。
- 7 即使沒有墜落風險，例如兩邊有牆壁的樓梯，也至少要安裝一側扶手欄杆。寬度大於或等於 1200mm 的樓梯應安裝兩側扶手欄杆。Even if there is no fall risk, such as stairway with two sides of wall, one side shall be installed handrail at least. While the width more or equal 1200mm, both sides of stairway shall be installed handrails.
- 8 當樓梯的上升高度超過 500mm 並且斜梁外側有大於 200mm 的橫向間距時，在其側邊應安裝欄杆。When the up height of stairway exceeds 500mm and there is a cross space of over 200mm outside of beam, the side of stairway shall be installed handrails.
- 9 在欄杆扶手的周圍 100mm 的距離內不應有妨礙人手把握的障礙。There shall be no obstacle holdback people in distance of 100mm around handrails.
- 10 所有立柱腳掌必須與平臺梁牢固焊接，角焊縫不得小於 8mm。All base plates of stanchions shall be welded stably to platform beams, the fillet weld shall be no less than 8mm.
- 11 所有立柱球接點和扶手管之間、立柱球接點和橫杆之間的連接必須用圓錐銷固定。All connections between stanchions ball joints and rails (top and mid) shall be fixed by taper pins.
- 12 欄杆安裝時應保證平直，沒有肉眼可見的明顯波浪彎曲。Handrails installation shall be ensured straight and no visible wavy bending.
- 13 立柱和扶手管之間、立柱和橫杆之間的連接應參照球接欄杆扶手橫杆彎頭安裝示意圖的要求進行，建議把扶手管和橫杆通過立柱球接點組裝成排後再固定。Connections between stanchions and rails (top and mid) shall refer to Ball Joint Handrails – Top Rails, Mid Rails, Bends Installation Sketch. It is recommended that first feed top rail and mid rail through ball joint and fit up, then fixing.
- 14 對安裝後的焊接部位，裁切口，碰損擦傷等銹層遭到損傷的部位，要求現場施工進行防腐塗裝。After installation, the positions of galvanization coating destroyed due to welding, cutting, scratching shall be carried out anti-corrosion coating on site.

