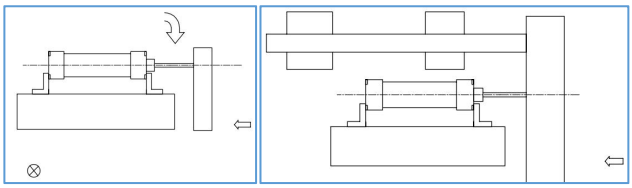
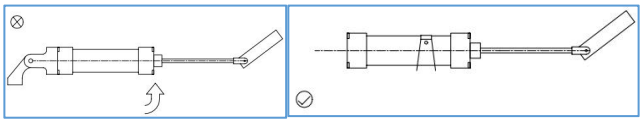
气缸安装与使用注意事项

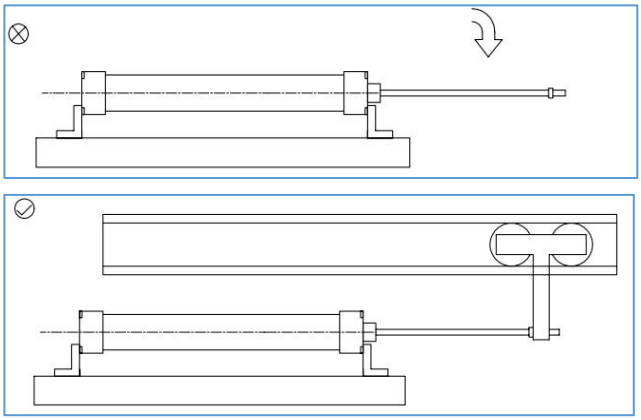
1 避免活塞杆受扭矩力：活塞杆和缸筒会产生别劲，活塞杆容易弯曲，缸筒内表面、导套和活塞杆的表面以及密封件容易磨损，应该加导向杆。



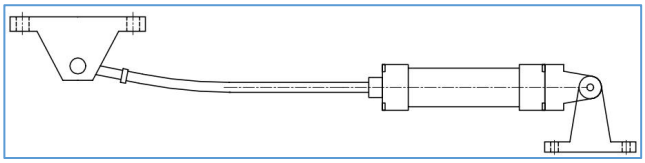
2 防止后活动钗接离出力点过长会导致活塞杆受扭矩力改用中间钗轴缩短支撑点与出力点过长的距离。



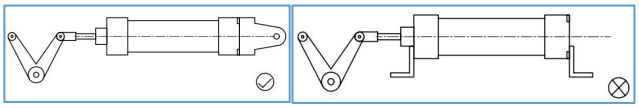
3 长行程气缸上应设置中间导向支撑，避免活塞杆自然下 垂以克服活塞杆的下垂、缸筒的下弯以及振动和外负载给活塞杆带来的伤害。



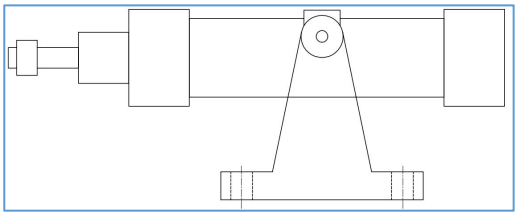
4 在长行程时易发生挠曲，故可将安装托架移至前端盖。



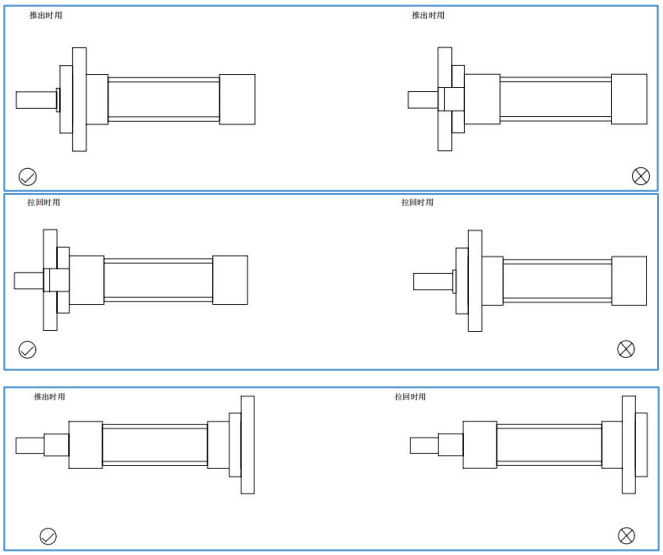
5 最好不要将固定式气缸与进行圆周运动的摇臂连接(LB 固定)。此时，应与摆动式气缸连接(CA/CB/TC 固定)。



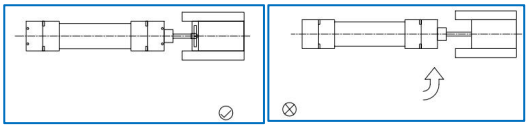
6 轴承托架的安装面至轴承位置的高度(H)若太高，气缸在工作过程中，支架的安装部会产生很大的扭矩力，可能会引起安装螺栓等的破损。



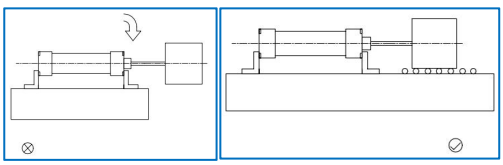
7 考虑负载的方向，采取适当的安装(法兰型安装)。



8 活塞杆轴线与负载移动方向应保持一致（同轴） 如不一致，活塞杆和缸筒会产生侧向力，缸筒内表面、导 套和活塞杆的表面以及密封件容易磨损。

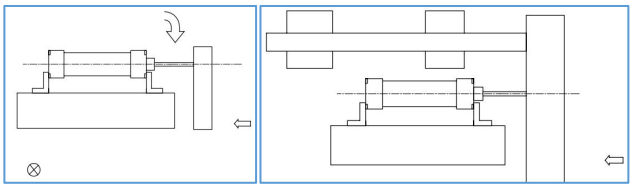


9 避免活塞杆直接连接受垂直重力：活塞杆和缸筒会产生侧向力，活塞杆容易弯曲，缸筒内表面、导套和活塞杆的表面以及密封件容易磨损，可通过增加滚轮支撑导轨。

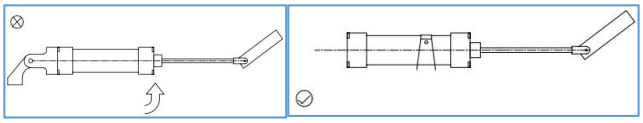


Installation and Use

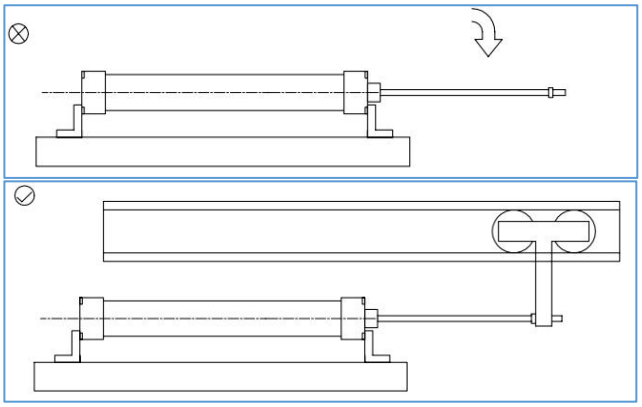
1 If back activity hinge is far from force supply point, piston rod will be influence by torque force. To prevent that,middle action support shall be used to shorten the distance between support point and force supply point.



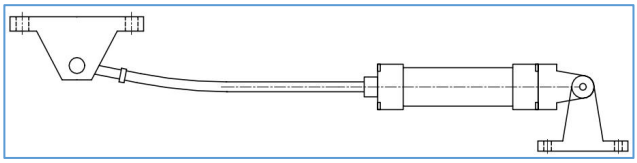
2 To present that back activity hinge is far from force supply point, thus the piston rod will be influenced by torque force and change to use middle action support to shorten the long distance between support point and force supply point.



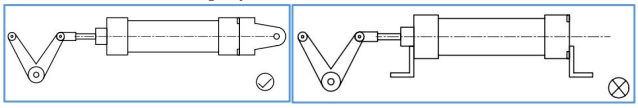
3 Long-stroke cylinder shall set middle guide support to prevent natural droop of piston rod and to prevent the damage on piston rod caused by the droop of piston rod, bend of the cylinder, vibration and external load.



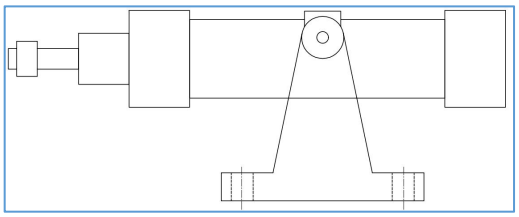
4 It tends to bend in long stroke,thus the installation bracket shall be moved to the front
cover.



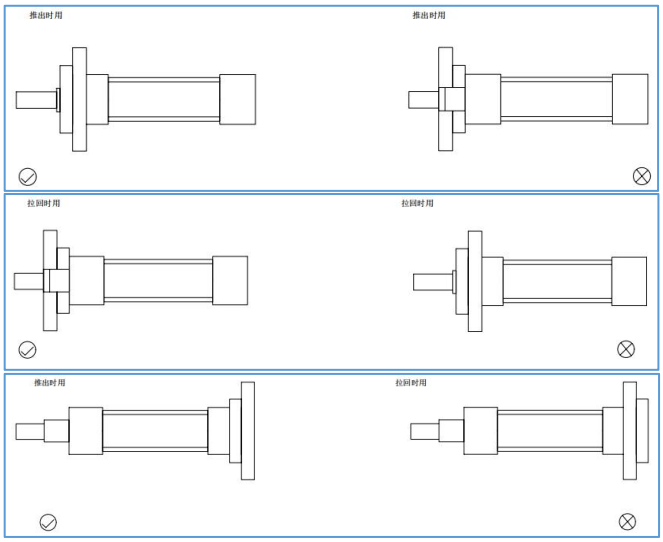
5 The fixed cylinder shall not be connected with the rocker carrying out circular action (LB fixation). At this time, it shall be connected with swing cylinder (CA/CB/TC fixation)



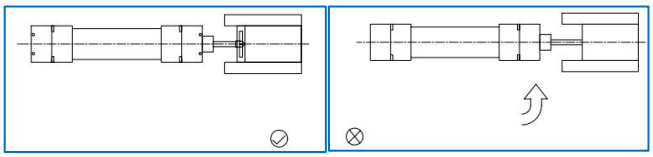
6 If the height (H) between installation surface of bearing bracket and the position of bearing is too great, when cylinder works, the installation part of the support will produce great torque force, which may cause damage to installing bolt and other parts.



7 Proper installation shall be adopted considering the direction of load (flange type installation)



8 The axes of piston rod shall accord with the moving direction of load(coaxial).Piston rod and cylinder produce_J: opposite force which can easily damage the internal surface of the cylinder, guide sleeve ,the surface of piston rod and seals.



9 Avoid direct connection of piston rod and vertical gravity: add idler wheel to support the rail. Piston rod and cylinder will produce opposite force which can easily bend piston rod and damage the internal surface of the cylinder, guide sleeve, the surface of piston rod and seals.