

弹簧锁销

阻力指数的计算

Diagram illustrating the forces and geometry of a spring lock pin. The angle α is shown between the pin's axis and the horizontal. The force F is applied vertically downwards, and the horizontal component F_x is shown. The angle σ/α is also indicated.

$$F_x = \frac{F}{\tan \frac{\alpha}{2}}$$

计算示例:
 $\alpha = 60^\circ, F_x = 1,732 \times F$
 $\alpha = 90^\circ, F_x = F$
 $\alpha = 120^\circ, F_x = 0,577 \times F$

标准的弹簧负载 重型的弹簧负载

被证明的

Diagram showing a spring lock pin with forces F_1 and F_2 applied. The displacement s is also indicated.

有保证的弹簧负载 F_1 和 F_2 及行程 s

这些值被作为基准值。这些数值以我们目前的认知水平为基础。这些数据不代表具有法律约束力的保证或个别特例。要确定产品的具体适用性，必须对成品件在特定应用环境下进行测试。

(来源: Halder)