



400系列精密型滚珠直线导轨

www.thomsonlinear.com.cn

THOMSON[®]

Linear Motion. Optimized.

特性与优势

400系列直线导轨是Thomson直线导向承载装置系列中的最新产品。对于成本控制比较严格的应用，性能优越、高性价比的400系列直线导轨是众厂商的优中之选。400系列具有工业标准封装和孔型，可实现即时更换。两面可用的滚球轨道轴承组件可实现安装时的兼容性以及各个方向上等同的载荷能力。全钢球式和球保持架式滑块的轨道采用相同的结构设计，实现了两者的共轨，可有效地减少备件库存。

噪声低、振动低

高分子化合物滚球回程管可降低噪声，并保持高润滑性能。

模块化配件选项

标准双面端向和纵向密封，可保持润滑并保护滑块免受污染。还可另外提供密封件与金属刮刷器。

润滑通道

通道可直接对单个滚球轨道进行润滑，从而最大程度地提高润滑效率。

双面滚球轨道

面对面的钢球排列方式，使滑块在所有方向上具有相等的载荷承载能力。面对面配置使得导轨对安装面的精度要求更低，机械自动化的建造者因此无需准备高精安装面，从而降低了成本。

400系列球保持架

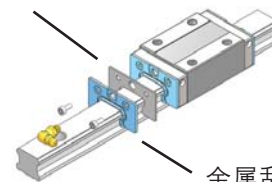
413球保持架选项可提供：

- 增强了运行精度
- 降低了高速运行时的噪音
- 可对单个滚球进行润滑

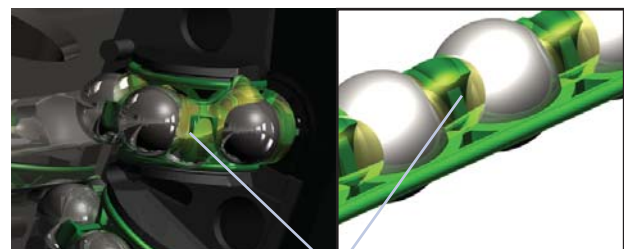
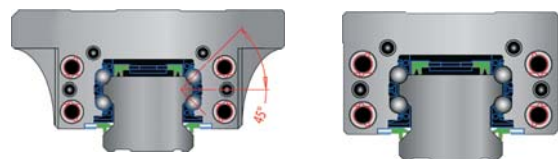
| 400系列滚球/球保持架滚球分类 | | | | | | | |
|----------------------|----|---|---|---|---|---|---|
| 宽 长 高度 原件编号 | 标准 | | 窄 | | | | |
| | A | B | C | D | E | F | G |
| 15 | • | • | • | • | • | | • |
| 20 | • | • | • | | • | • | • |
| 25 | • | • | • | • | • | • | • |
| 30 | • | • | • | • | • | • | • |
| 35 | • | • | • | • | • | • | • |
| 45 | • | • | • | • | • | • | |



防尘器

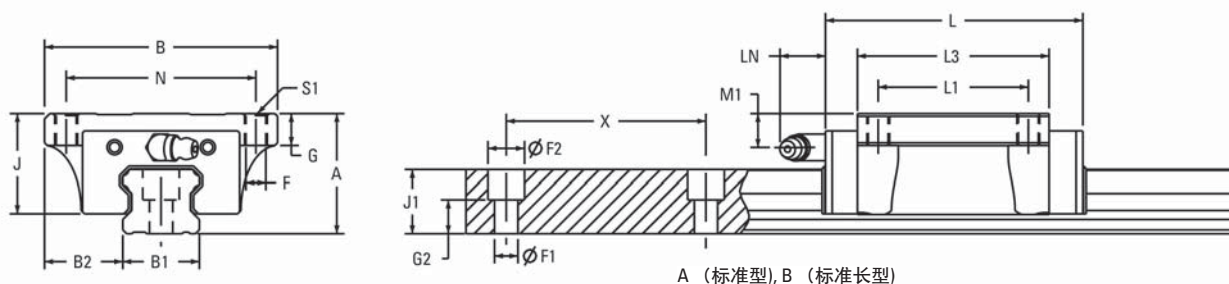


金属刮刷器



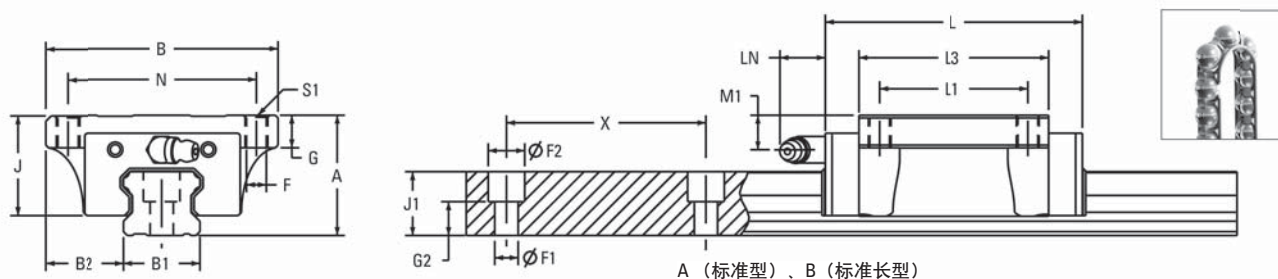
润滑剂

400 系列规格



411标准 (尺寸都没有?)

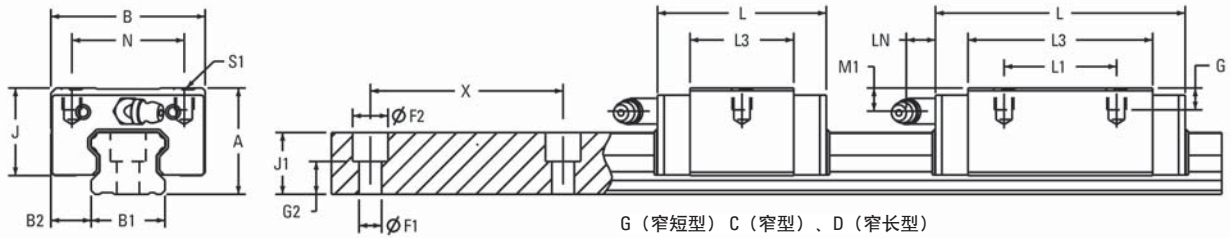
| 项目 | 组件[mm] | | | | 滑块 (mm) | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 | | |
|----------|--------|-----|------|------|---------|-----|----|-----|------|------|-------|-----------|--------|--------|----|------|-----|------|------|------|--------|---------|------|--------|
| | A | B | B2 | J | L | N | L1 | S1 | F | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | C0 [N] | [kg] | [kg/m] |
| 411N15A0 | 24 | 47 | 16.0 | 21.0 | 58.6 | 38 | 30 | M5 | 4.4 | 8.0 | 40.2 | M4 X 0.7 | 5.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.21 | 1.28 |
| 411N15B0 | 24 | 47 | 16.0 | 21.0 | 66.1 | 38 | 30 | M5 | 4.4 | 8.0 | 47.7 | M4 X 0.7 | 5.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 11,300 | 23,700 | 0.23 | 1.28 |
| 411N20A0 | 30 | 63 | 21.5 | 25.5 | 69.3 | 53 | 40 | M6 | 5.4 | 9.0 | 48.5 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 14,300 | 30,500 | 0.40 | 2.15 |
| 411N20B0 | 30 | 63 | 21.5 | 25.5 | 82.1 | 53 | 40 | M6 | 5.4 | 9.0 | 61.3 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 18,600 | 39,500 | 0.46 | 2.15 |
| 411N25A0 | 36 | 70 | 23.5 | 30.2 | 79.7 | 57 | 45 | M8 | 7.0 | 10.0 | 57.5 | M6 X 1.0 | 10.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,100 | 0.57 | 2.88 |
| 411N25B0 | 36 | 70 | 23.5 | 30.2 | 94.4 | 57 | 45 | M8 | 7.0 | 10.0 | 72.2 | M6 X 1.0 | 10.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.72 | 2.88 |
| 411N30A0 | 42 | 90 | 31.0 | 35.0 | 94.8 | 72 | 52 | M10 | 8.6 | 11.0 | 67.8 | M6 X 1.0 | 8 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 1.10 | 4.45 |
| 411N30B0 | 42 | 90 | 31.0 | 35.0 | 105.0 | 72 | 52 | M10 | 8.6 | 11.0 | 78.0 | M6 X 1.0 | 8 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 1.34 | 4.45 |
| 411N35A0 | 48 | 100 | 33.0 | 40.5 | 111.5 | 82 | 62 | M10 | 8.6 | 12.0 | 80.5 | M6 X 1.0 | 8 | (16.0) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.50 | 6.25 |
| 411N35B0 | 48 | 100 | 33.0 | 40.5 | 123.5 | 82 | 62 | M10 | 8.6 | 12.0 | 92.5 | M6 X 1.0 | 8 | (16.0) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.90 | 6.25 |
| 411N45A0 | 60 | 120 | 37.5 | 51.1 | 129.0 | 100 | 80 | M12 | 10.6 | 15.5 | 94.0 | M8 X 1.25 | 14.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 2.27 | 9.60 |
| 411N45B0 | 60 | 120 | 37.5 | 51.1 | 145.0 | 100 | 80 | M12 | 10.6 | 15.5 | 110.0 | M8 X 1.25 | 14.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 2.68 | 9.60 |



413标准 (全钢球式)

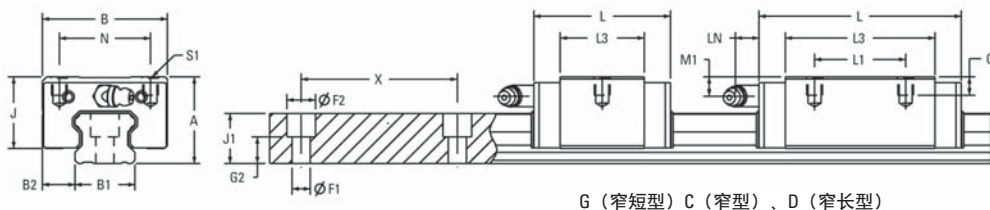
| 项目 | 组件[mm] | | | | 滑块 (mm) | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 | | |
|----------|--------|-----|------|------|---------|-----|----|-----|------|------|-------|-----------|--------|--------|----|------|-----|------|------|------|--------|---------|------|--------|
| | A | B | B2 | J | L | N | L1 | S1 | F | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | C0 [N] | [kg] | [kg/m] |
| 413N15A0 | 24 | 47 | 16.0 | 21.0 | 58.6 | 38 | 30 | M5 | 4.4 | 8.0 | 40.2 | M4 X 0.7 | 5.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.21 | 1.28 |
| 413N15B0 | 24 | 47 | 16.0 | 21.0 | 66.1 | 38 | 30 | M5 | 4.4 | 8.0 | 47.7 | M4 X 0.7 | 5.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 11,300 | 23,700 | 0.23 | 1.28 |
| 413N20A0 | 30 | 63 | 21.5 | 25.5 | 69.3 | 53 | 40 | M6 | 5.4 | 9.0 | 48.5 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 14,300 | 30,500 | 0.40 | 2.15 |
| 413N20B0 | 30 | 63 | 21.5 | 25.5 | 82.1 | 53 | 40 | M6 | 5.4 | 9.0 | 61.3 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 18,600 | 39,500 | 0.46 | 2.15 |
| 413N25A0 | 36 | 70 | 23.5 | 30.2 | 79.7 | 57 | 45 | M8 | 7.0 | 10.0 | 57.5 | M6 X 1.0 | 10.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,100 | 0.57 | 2.88 |
| 413N25B0 | 36 | 70 | 23.5 | 30.2 | 94.4 | 57 | 45 | M8 | 7.0 | 10.0 | 72.2 | M6 X 1.0 | 10.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.72 | 2.88 |
| 413N30A0 | 42 | 90 | 31.0 | 35.0 | 94.8 | 72 | 52 | M10 | 8.6 | 11.0 | 67.8 | M6 X 1.0 | 8 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 1.10 | 4.45 |
| 413N30B0 | 42 | 90 | 31.0 | 35.0 | 105.0 | 72 | 52 | M10 | 8.6 | 11.0 | 78.0 | M6 X 1.0 | 8 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 1.34 | 4.45 |
| 413N35A0 | 48 | 100 | 33.0 | 40.5 | 111.5 | 82 | 62 | M10 | 8.6 | 12.0 | 80.5 | M6 X 1.0 | 8 | (16.0) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.50 | 6.25 |
| 413N35B0 | 48 | 100 | 33.0 | 40.5 | 123.5 | 82 | 62 | M10 | 8.6 | 12.0 | 92.5 | M6 X 1.0 | 8 | (16.0) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.90 | 6.25 |
| 413N45A0 | 60 | 120 | 37.5 | 51.1 | 129.0 | 100 | 80 | M12 | 10.6 | 15.5 | 94.0 | M8 X 1.25 | 14.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 2.27 | 9.60 |
| 413N45B0 | 60 | 120 | 37.5 | 51.1 | 145.0 | 100 | 80 | M12 | 10.6 | 15.5 | 110.0 | M8 X 1.25 | 14.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 2.68 | 9.60 |

400 系列规格



411 窄型

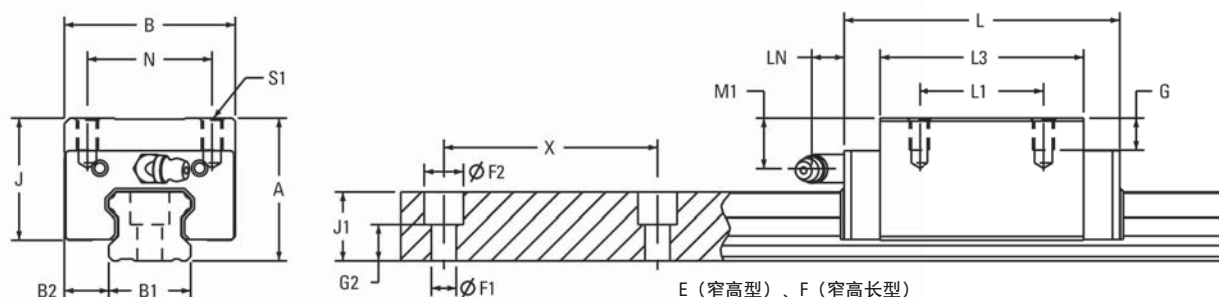
| 项目 | 组件[mm] | | | | 滑块 (mm) | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 |
|----------|--------|----|------|------|---------|----|----|-----|------|-------|-----------|-------------|--------|------|-----|------|------|------|--------|---------|-------|------|
| | A | B | B2 | J | L | N | L1 | S1 | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | O [N] | [kg] |
| 411N15G0 | 24 | 34 | 9.5 | 21.0 | 40.6 | 26 | -- | M4 | 4.8 | 22.2 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 4,600 | 9,800 | 0.10 | 1.28 |
| 411N15C0 | 24 | 34 | 9.5 | 21.0 | 58.6 | 26 | 26 | M4 | 4.8 | 40.2 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.17 | 1.28 |
| 411N15D0 | 24 | 34 | 9.5 | 21.0 | 66.1 | 26 | 26 | M4 | 4.8 | 47.7 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 11,300 | 23,700 | 0.18 | 1.28 |
| 411N20G0 | 28 | 42 | 11.0 | 23.5 | 48.3 | 32 | -- | M5 | 5.5 | 27.5 | M6 X 1.0 | 5.1 (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 7,400 | 15,700 | 0.17 | 2.15 |
| 411N20C0 | 30 | 44 | 12.0 | 25.5 | 69.3 | 32 | 36 | M5 | 6.5 | 48.5 | M6 X 1.0 | 7.1 (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 14,300 | 30,500 | 0.31 | 2.15 |
| 411N25G0 | 33 | 48 | 12.5 | 27.2 | 54.5 | 35 | -- | M6 | 6.8 | 32.3 | M6 X 1.0 | 7.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 10,300 | 21,000 | 0.21 | 2.88 |
| 411N25C0 | 33 | 48 | 12.5 | 27.2 | 79.7 | 35 | 35 | M6 | 6.8 | 57.5 | M6 X 1.0 | 7.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,000 | 0.38 | 2.88 |
| 411N25D0 | 36 | 48 | 12.5 | 30.2 | 94.4 | 35 | 35 | M6 | 9.0 | 72.2 | M6 X 1.0 | 10.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.54 | 2.88 |
| 411N30G0 | 42 | 60 | 16.0 | 35.0 | 64.2 | 40 | -- | M8 | 10.0 | 37.2 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 14,700 | 27,000 | 0.50 | 4.45 |
| 411N30C0 | 42 | 60 | 16.0 | 35.0 | 94.8 | 40 | 40 | M8 | 10.0 | 67.8 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 0.80 | 4.45 |
| 411N30D0 | 42 | 60 | 16.0 | 35.0 | 105.0 | 40 | 40 | M8 | 10.0 | 78.0 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 0.94 | 4.45 |
| 411N35G0 | 48 | 70 | 18.0 | 40.5 | 75.5 | 50 | -- | M8 | 10.0 | 44.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 21,200 | 40,700 | 0.80 | 6.25 |
| 411N35C0 | 48 | 70 | 18.0 | 40.5 | 111.5 | 50 | 50 | M8 | 10.0 | 80.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.20 | 6.25 |
| 411N35D0 | 48 | 70 | 18.0 | 40.5 | 123.5 | 50 | 50 | M8 | 10.0 | 92.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.40 | 6.25 |
| 411N45C0 | 60 | 86 | 20.5 | 51.1 | 129.0 | 60 | 60 | M10 | 15.5 | 94.0 | M8 X 1.25 | 14.4 (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 1.64 | 9.60 |
| 411N45D0 | 60 | 86 | 20.5 | 51.1 | 145.0 | 60 | 60 | M10 | 15.5 | 110.0 | M8 X 1.25 | 14.4 (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 1.93 | 9.60 |



413标准 (全钢球式)

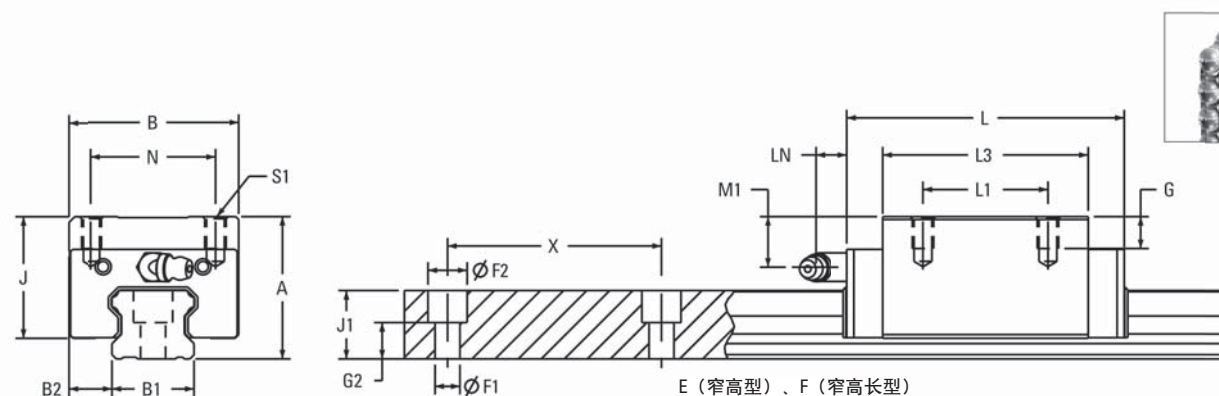
| 项目 | 组件[mm] | | | | 滑块 (mm) | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 |
|----------|--------|----|------|------|---------|----|----|-----|------|-------|-----------|-------------|--------|------|-----|------|------|------|--------|---------|--------|------|
| | A | B | B2 | J | L | N | L1 | S1 | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | C0 [N] | [kg] |
| 413N15G0 | 24 | 34 | 9.5 | 21.0 | 40.6 | 26 | -- | M4 | 4.8 | 22.2 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 4,600 | 9,800 | 0.10 | 1.28 |
| 413N15C0 | 24 | 34 | 9.5 | 21.0 | 58.6 | 26 | 26 | M4 | 4.8 | 40.2 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.17 | 1.28 |
| 413N15D0 | 24 | 34 | 9.5 | 21.0 | 66.1 | 26 | 26 | M4 | 4.8 | 47.7 | M4 X 0.7 | 5.5 (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 11,300 | 23,700 | 0.18 | 1.28 |
| 413N20G0 | 28 | 42 | 11.0 | 23.5 | 48.3 | 32 | -- | M5 | 5.5 | 27.5 | M6 X 1.0 | 5.1 (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 7,400 | 15,700 | 0.17 | 2.15 |
| 413N20C0 | 30 | 44 | 12.0 | 25.5 | 69.3 | 32 | 36 | M5 | 6.5 | 48.5 | M6 X 1.0 | 7.1 (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 14,300 | 30,500 | 0.31 | 2.15 |
| 413N25G0 | 33 | 48 | 12.5 | 27.2 | 54.5 | 35 | -- | M6 | 6.8 | 32.3 | M6 X 1.0 | 7.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 10,300 | 21,000 | 0.21 | 2.88 |
| 413N25C0 | 33 | 48 | 12.5 | 27.2 | 79.7 | 35 | 35 | M6 | 6.8 | 57.5 | M6 X 1.0 | 7.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,000 | 0.38 | 2.88 |
| 413N25D0 | 36 | 48 | 12.5 | 30.2 | 94.4 | 35 | 35 | M6 | 9.0 | 72.2 | M6 X 1.0 | 10.2 (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.54 | 2.88 |
| 413N30G0 | 42 | 60 | 16.0 | 35.0 | 64.2 | 40 | -- | M8 | 10.0 | 37.2 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 14,700 | 27,000 | 0.50 | 4.45 |
| 413N30C0 | 42 | 60 | 16.0 | 35.0 | 94.8 | 40 | 40 | M8 | 10.0 | 67.8 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 0.80 | 4.45 |
| 413N30D0 | 42 | 60 | 16.0 | 35.0 | 105.0 | 40 | 40 | M8 | 10.0 | 78.0 | M6 X 1.0 | 8.0 (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 0.94 | 4.45 |
| 413N35G0 | 48 | 70 | 18.0 | 40.5 | 75.5 | 50 | -- | M8 | 10.0 | 44.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 21,200 | 40,700 | 0.80 | 6.25 |
| 413N35C0 | 48 | 70 | 18.0 | 40.5 | 111.5 | 50 | 50 | M8 | 10.0 | 80.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.20 | 6.25 |
| 413N35D0 | 48 | 70 | 18.0 | 40.5 | 123.5 | 50 | 50 | M8 | 10.0 | 92.5 | M6 X 1.0 | 8.0 (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.40 | 6.25 |
| 413N45C0 | 60 | 86 | 20.5 | 51.1 | 129.0 | 60 | 60 | M10 | 15.5 | 94.0 | M8 X 1.25 | 14.4 (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 1.64 | 9.60 |
| 413N45D0 | 60 | 86 | 20.5 | 51.1 | 145.0 | 60 | 60 | M10 | 15.5 | 110.0 | M8 X 1.25 | 14.4 (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 1.93 | 9.60 |

400 系列规格



411 窄高型

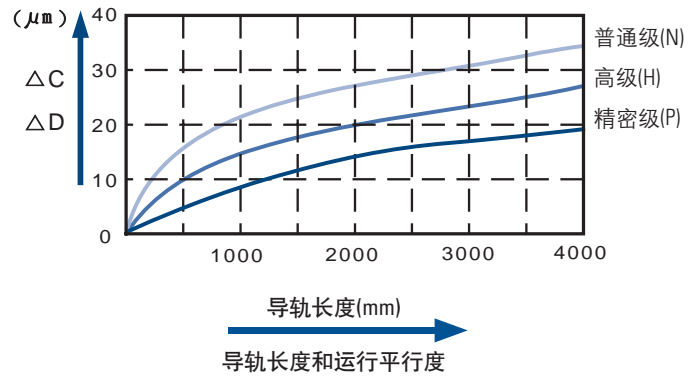
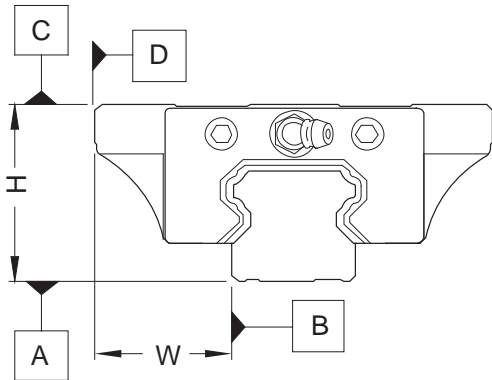
| 项目 | 组件[mm] | | | | 滑块[mm] | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 | |
|----------|--------|----|------|------|--------|----|----|-----|------|-------|-----------|------|--------|----|------|-----|------|------|------|--------|---------|------|--------|
| | A | B | B2 | J | L | N | L1 | S1 | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | C0 [N] | [kg] | [kg/m] |
| 411N15E0 | 28 | 34 | 9.5 | 21.0 | 58.6 | 26 | 26 | M4 | 6.0 | 40.2 | M4 X 0.7 | 9.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.19 | 1.28 |
| 411N20F0 | 30 | 44 | 12.0 | 25.5 | 82.1 | 32 | 50 | M5 | 6.5 | 61.3 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 18,600 | 39,500 | 0.36 | 2.15 |
| 411N25E0 | 40 | 48 | 12.5 | 34.2 | 79.7 | 35 | 35 | M6 | 9.0 | 57.5 | M6 X 1.0 | 14.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,100 | 0.45 | 2.88 |
| 411N25F0 | 40 | 48 | 12.5 | 34.2 | 94.4 | 35 | 50 | M6 | 9.0 | 72.2 | M6 X 1.0 | 14.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.66 | 2.88 |
| 411N30E0 | 45 | 60 | 16.0 | 38.0 | 94.8 | 40 | 40 | M8 | 12.0 | 67.8 | M6 X 1.0 | 11.0 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 0.91 | 4.45 |
| 411N30F0 | 45 | 60 | 16.0 | 38.0 | 105.0 | 40 | 60 | M8 | 12.0 | 78.0 | M6 X 1.0 | 11.0 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 1.04 | 4.45 |
| 411N35E0 | 55 | 70 | 18.0 | 47.5 | 111.5 | 50 | 50 | M8 | 12.0 | 80.5 | M6 X 1.0 | 15.0 | (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.50 | 6.25 |
| 411N35F0 | 55 | 70 | 18.0 | 47.5 | 123.5 | 50 | 72 | M8 | 12.0 | 92.5 | M6 X 1.0 | 15.0 | (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.80 | 6.25 |
| 411N45E0 | 70 | 86 | 20.5 | 61.1 | 129.0 | 60 | 60 | M10 | 18.0 | 94.0 | M8 X 1.25 | 24.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 2.28 | 9.60 |
| 411N45F0 | 70 | 86 | 20.5 | 61.1 | 145.0 | 60 | 80 | M10 | 18.0 | 110.0 | M8 X 1.25 | 24.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 2.67 | 9.60 |



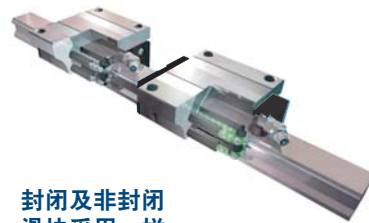
413标准 (全钢球式)

| 项目 | 组件[mm] | | | | 滑块[mm] | | | | | | | | 导轨[mm] | | | | | | 额定载荷 | | 滑块重量 | 导轨重量 | |
|----------|--------|----|------|------|--------|----|----|-----|------|-------|-----------|------|--------|----|------|-----|------|------|------|--------|---------|------|--------|
| | A | B | B2 | J | L | N | L1 | S1 | G | L3 | Oil H | M1 | LN | B1 | J1 | X | F1 | F2 | G2 | C [N] | C0 [N] | [kg] | [kg/m] |
| 413N15E0 | 28 | 34 | 9.5 | 21.0 | 58.6 | 26 | 26 | M4 | 6.0 | 40.2 | M4 X 0.7 | 9.5 | (5.0) | 15 | 13.0 | 60 | 4.5 | 7.5 | 7.0 | 9,300 | 19,600 | 0.19 | 1.28 |
| 413N20F0 | 30 | 44 | 12.0 | 25.5 | 82.1 | 32 | 50 | M5 | 6.5 | 61.3 | M6 X 1.0 | 7.1 | (15.6) | 20 | 16.3 | 60 | 6.0 | 9.5 | 7.8 | 18,600 | 39,500 | 0.36 | 2.15 |
| 413N25E0 | 40 | 48 | 12.5 | 34.2 | 79.7 | 35 | 35 | M6 | 9.0 | 57.5 | M6 X 1.0 | 14.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 20,100 | 41,000 | 0.45 | 2.88 |
| 413N25F0 | 40 | 48 | 12.5 | 34.2 | 94.4 | 35 | 50 | M6 | 9.0 | 72.2 | M6 X 1.0 | 14.2 | (15.6) | 23 | 19.2 | 60 | 7.0 | 11.0 | 10.2 | 25,900 | 52,800 | 0.66 | 2.88 |
| 413N30E0 | 45 | 60 | 16.0 | 38.0 | 94.8 | 40 | 40 | M8 | 12.0 | 67.8 | M6 X 1.0 | 11.0 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 29,700 | 54,600 | 0.91 | 4.45 |
| 413N30F0 | 45 | 60 | 16.0 | 38.0 | 105.0 | 40 | 60 | M8 | 12.0 | 78.0 | M6 X 1.0 | 11.0 | (15.6) | 28 | 22.8 | 80 | 9.0 | 14.0 | 10.8 | 38,500 | 70,700 | 1.04 | 4.45 |
| 413N35E0 | 55 | 70 | 18.0 | 47.5 | 111.5 | 50 | 50 | M8 | 12.0 | 80.5 | M6 X 1.0 | 15.0 | (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 42,400 | 81,100 | 1.50 | 6.25 |
| 413N35F0 | 55 | 70 | 18.0 | 47.5 | 123.5 | 50 | 72 | M8 | 12.0 | 92.5 | M6 X 1.0 | 15.0 | (15.6) | 34 | 26.0 | 80 | 9.0 | 14.0 | 14.0 | 52,900 | 101,400 | 1.80 | 6.25 |
| 413N45E0 | 70 | 86 | 20.5 | 61.1 | 129.0 | 60 | 60 | M10 | 18.0 | 94.0 | M8 X 1.25 | 24.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 58,000 | 108,900 | 2.28 | 9.60 |
| 413N45F0 | 70 | 86 | 20.5 | 61.1 | 145.0 | 60 | 80 | M10 | 18.0 | 110.0 | M8 X 1.25 | 24.4 | (16.0) | 45 | 31.1 | 105 | 14.0 | 20.0 | 14.1 | 69,000 | 129,500 | 2.67 | 9.60 |

精度标准:

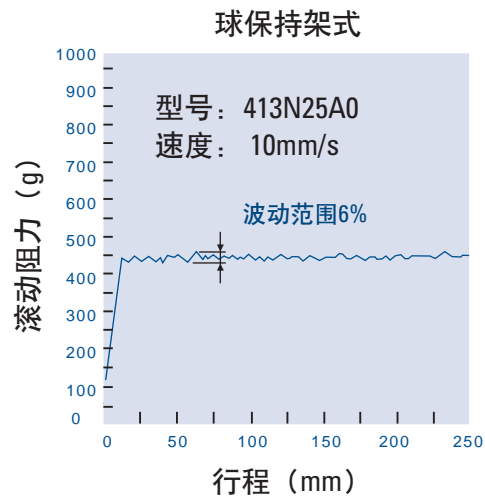
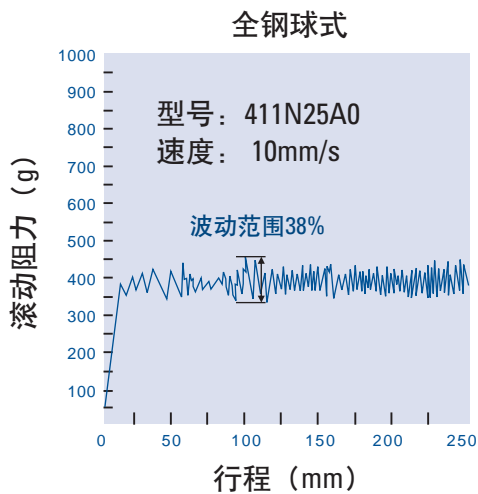


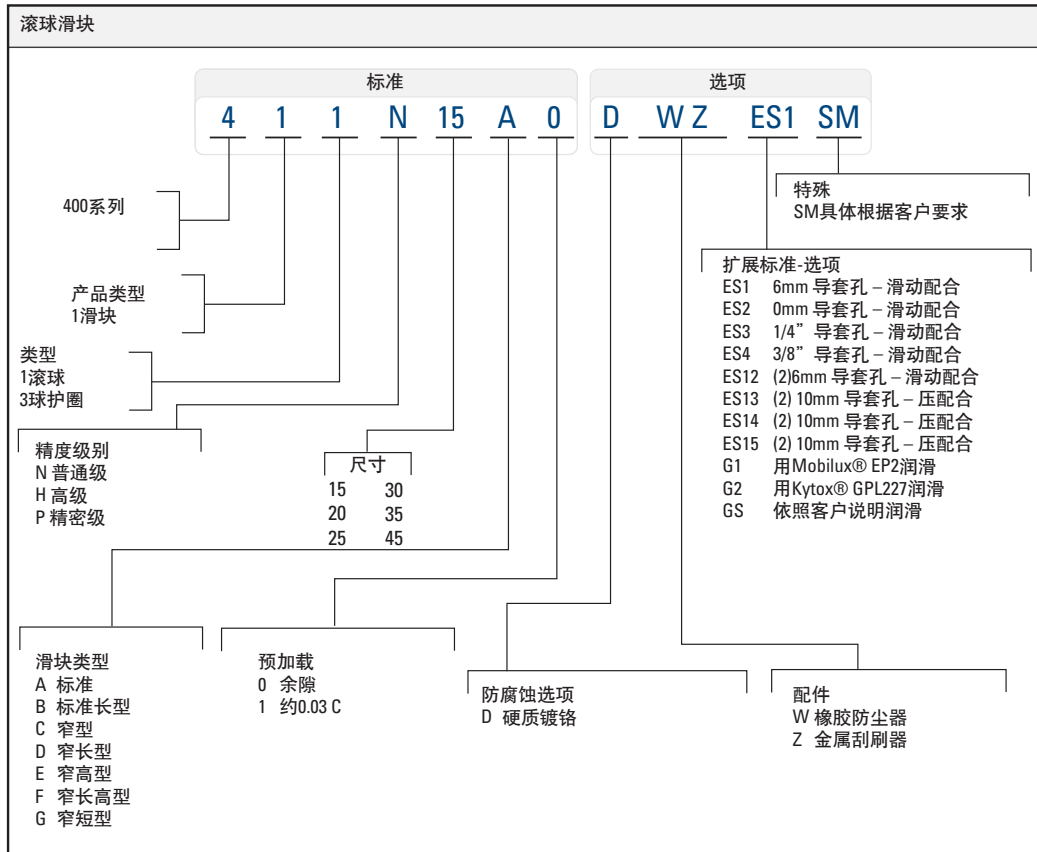
| 级别 | 普通级(N) | 高级(H) | 精密级(P) |
|-------------------------|---------|-------|--------|
| 项目 | | | |
| 组合高误差(H) | ±0.1 | ±0.04 | 0-0.04 |
| 组合宽误差(W) | ±0.1 | ±0.04 | 0-0.04 |
| 成对高度相互误差(ΔH) | 0.03 | 0.02 | 0.01 |
| 成对宽度相互误差(ΔW) | 0.03 | 0.02 | 0.01 |
| 滑块表面 C 相对于轨道表面 A 的行走精度。 | ΔC参考下图。 | | |
| 滑块表面 D 相对于轨道表面 B 的行走精度。 | ΔD参考下图。 | | |



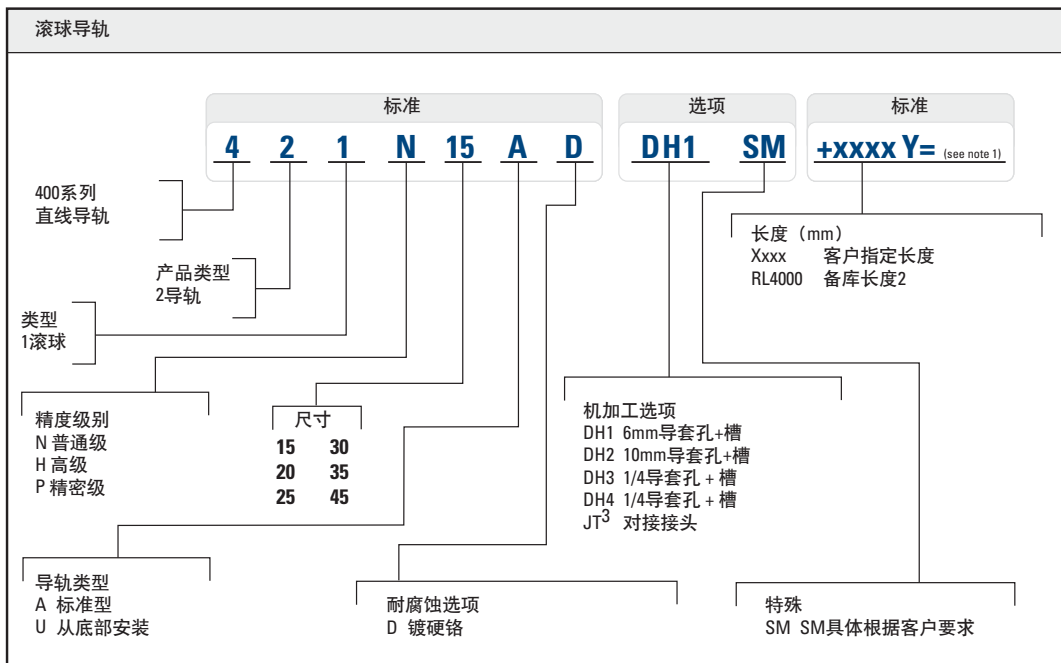
封闭及非封闭
滑块采用一样的
轨道设计

413球保持架式滑块运动更轻快





1. 当卸除端盖时，滑块不保持滚球轴承。卸除端盖可能造成滚球轴承丢失。
2. 滑块动态额定载荷基于50km的行程寿命。



1. Y=从导轨末端到第一个安装孔中心的距离，Y1=Y2，除非另有指定。
2. 导轨备用长度是考虑到随机长度而设计的，总长度可能超过指定长度，并且Y1/Y2不相等。仅供切割长度的客户使用。
3. 报价和订购时客户需要提供图纸。

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