

Free Guide Arms / Flexible Arms

By turning three movable sections each freely and then fixing the dial, all movable sections can be fixed simultaneously.

Magnetic Base Set Refer to P2147.

Free Guide Arms

FRXGA

No.50 No.80 No.100, No.200

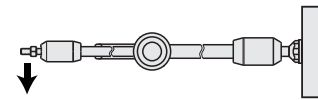
Main Body
Material: 1213 Carbon Steel
Surface Treatment: Electroless Nickel Plating

| Part Number | L | L ₁ | L ₂ | h ₁ | h ₂ | M (Coarse) | Weight (g) | Allowable Ref. Load (N) |
|-------------|-----|----------------|----------------|----------------|----------------|------------|------------|-------------------------|
| FRXGA | 50 | 155.5 | 81.1 | 19 | 11 | M6 | 300 | 15 |
| | 80 | 195 | 99 | 17.6 | 17 | M8 | 700 | 30 |
| | 100 | 272 | 145 | 62 | 15 | | 800 | 24.5 |
| | 200 | 432 | 228 | 142 | 17 | | 68 | 950 |

Part Number Example: FRXGA100

Supportable Loads (N)

The values are obtained while the arms are held horizontally, and loads placed. (Values are not guaranteed)



Flexible Arms

FXGA

Material: (1) Flexible Tube: Hard Steel Wire / Soft Steel Wire
(2) Crimped Part / Thread Part: C3604 Brass (JIS) Brass (JIS)
Surface Treatment: Chrome Plating

| Part Number | L Selection | d | (A) | (B) | D | W | Min. Bending Radius |
|-------------|-------------|-------------|-----|-----|----|----|---------------------|
| FXGA | 6 | 100 200 300 | 3 | 10 | 6 | 10 | 40 |
| | 8 | 200 300 | 4 | 12 | 8 | 13 | 45 |
| | 10 | 200 300 | 5 | 15 | 10 | 17 | 50 |

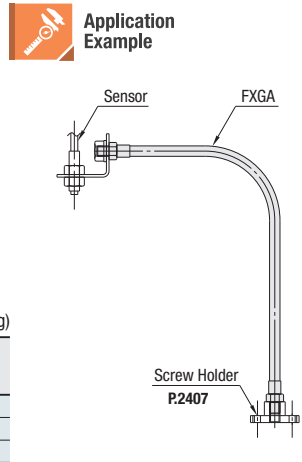
Part Number Example: FXGA6 - 100

Supportable Loads

Supportable Loads are obtained by the Flexible Arm horizontally held, and the loads placed. (Not guaranteed values)



| M | Ref. Load | | |
|----|-----------|-----|-----|
| | 100 | 200 | 300 |
| 6 | 200 | 100 | 40 |
| 8 | — | 150 | 80 |
| 10 | — | 250 | 130 |



Free Angle Arms / Holders for Free Angle Arms / Bases for Free Angle Arms

Screw Tightened / Wing Screw Tightened

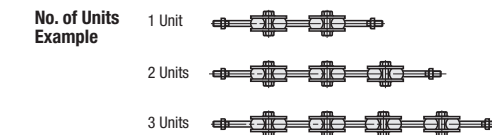
Free Angle Arms - Screw Tightened

Free Angle Arms - Wing Screw Tightened

Material: 304 Stainless Steel
Surface Treatment: Black Chrome Plating

| Part Number | No. of Units | Screw Tightened | | | | | | | | | Wing Screw Tightened | | | | | | | | | | |
|-------------|--------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| FXMAA | L Dimension | 161 | 220 | 279 | 338 | 397 | 456 | 515 | 574 | 633 | FXCAA | L Dimension | 161 | 220 | 279 | 338 | 397 | 456 | 515 | 574 | 633 |
| FXMBA | L Dimension | 153 | 212 | 271 | 330 | 389 | 448 | 507 | 566 | 625 | FXCBA | L Dimension | 153 | 212 | 271 | 330 | 389 | 448 | 507 | 566 | 625 |
| FXMAB | L Dimension | 157 | 216 | 275 | 334 | 393 | 452 | 511 | 570 | 629 | FXCAB | L Dimension | 157 | 216 | 275 | 334 | 393 | 452 | 511 | 570 | 629 |

Part Number Example: FXMAA - 5



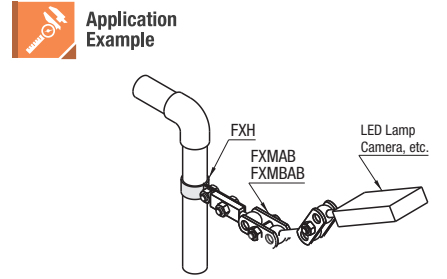
Holders for Free Angle Arms

FXH

Material: 304 Stainless Steel

| Part Number | Type | D | L | Accessories |
|-------------|------|------|-----|-------------|
| 12 | 50 | Bolt | Nut | |
| 16 | 54 | | | |
| 25 | 63 | | | |
| 32 | 70 | | | |
| 40 | 78 | | | |

*This holder can be mounted on the plate (3) of the Free Angle Arm's part without rotating.



Bases for Free Angle Arms

FXMHA (Through Hole)

FXMHB (Counterbore)

Material: 304 Stainless Steel

Part Number Example: FXH25, FXMHA

| Part Number | M | T | P | Mass (g) |
|-------------|---|---|----|----------|
| FXMHA | 5 | 4 | 22 | 200 |
| FXMHB | 5 | 8 | 20 | 280 |

