

# Free Fittings



## Free-Angle® Fittings

The Free-Angle® Series was introduced in the early 1990's to address ergonomic issues in assembly settings. The Free-Angle® provides an ergonomic connection to air tools and equipment. The Free-Angle® swivels 360° and pivots 45°, preventing kinking, tangles, and strain on compressed air lines.



- Reduces Operator Fatigue
- Two Joints & Two Swivels Enhance Ergonomics
- Minimizes Twisting in Straight and Spiral Hoses
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Thread Sealant on all Male Fittings



### NFA - N2M - N2M

| Style |                      |
|-------|----------------------|
| NFA   | Free-Angle Fitting   |
| NFAB  | Free-Angle Hose Barb |

| Thread Style |               |
|--------------|---------------|
| N            | NPT           |
| (Blank)      | BSPT          |
| G            | BSPP          |
| 1            | 1/8"          |
| 2            | 1/4"          |
| 3            | 3/8"          |
| M            | Male Thread   |
| F            | Female Thread |

| Thread Style |             |
|--------------|-------------|
| N            | NPT         |
| (Blank)      | BSPT        |
| G            | BSPP        |
| 1            | 1/8"        |
| 2            | 1/4"        |
| 3            | 3/8"        |
| M            | Male Thread |

| Specifications           |                     |
|--------------------------|---------------------|
| Material                 | Chrome-Plated Steel |
| Maximum Working Pressure | 145 psi             |
| Temperature Range        | 23°F - 140°F        |
| Media                    | Compressed Air      |
| Seal Material            | NBR- Rubber         |

| Model      | Thread 1         | Hex 1 | Thread 2       | Hex 2 | Length         | O.D.              |
|------------|------------------|-------|----------------|-------|----------------|-------------------|
| NFAN2F-N1M | 1/4" Female NPT  | 19mm  | 1/8" Male NPT  | 19mm  | 2.12" (53.8mm) | 0.74"<br>(19.0mm) |
| NFAN2F-N2M | 1/4" Female NPT  | 19mm  | 1/4" Male NPT  | 19mm  | 2.25" (57.1mm) |                   |
| NFAN2F-N3M | 1/4" Female NPT  | 19mm  | 3/8" Male NPT  | 19mm  | 2.31" (58.6mm) |                   |
| NFAN3F-N3M | 3/8" Female NPT  | 19mm  | 3/8" Male NPT  | 19mm  | 2.31" (58.6mm) |                   |
| NFAN2M-N2M | 1/4" Male NPT    | 19mm  | 1/4" Male NPT  | 19mm  | 2.31" (58.6mm) |                   |
| NFAN3M-N3M | 3/8" Male NPT    | 19mm  | 3/8" Male NPT  | 21mm  | 2.37" (60.1mm) |                   |
| NFA2M-2M   | 1/4" Male BSPT   | 19mm  | 1/4" Male BSPT | 19mm  | 2.31" (58.6mm) |                   |
| NFA3M-3M   | 3/8" Male BSPT   | 19mm  | 3/8" Male BSPT | 21mm  | 2.37" (60.1mm) |                   |
| NFA2F-2M   | 1/4" Female BSPT | 19mm  | 1/4" Male BSPT | 19mm  | 2.25" (57.1mm) |                   |
| NFA3F-3M   | 3/8" Female BSPT | 19mm  | 3/8" Male BSPT | 21mm  | 2.31" (58.6mm) |                   |
| NFAB-N1M-2 | 1/8" Male NPT    | 19mm  | 1/4" Hose Barb | N/A   | 2.75" (69.8mm) |                   |
| NFAB-N2M-2 | 1/4" Male NPT    | 19mm  | 1/4" Hose Barb | N/A   | 2.81" (71.3mm) |                   |
| NFAB-N2M-3 | 1/4" Male NPT    | 19mm  | 3/8" Hose Barb | N/A   | 3.00" (76.2mm) |                   |
| NFAB-N3M-3 | 3/8" Male NPT    | 19mm  | 3/8" Hose Barb | N/A   | 3.00" (76.2mm) |                   |