

Miniature One-Touch Coupling Connectors

Connectors

MNCN

M Material: PBT (Polybutylene Terephthalate)
Thread: Brass (Electroless Nickel Plating)

| Part Number Type | D | Nominal Dia. | A | B | L | Width Across H | Thread Size M | Effective Sectional Area (mm ²) | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|--------------|------|------|------|----------------|---------------|---|----------|------------|----------------------|
| MNCN | 4 | M3 | 2.5 | 15.1 | 12.6 | 8 | M3x0.5 | 0.9 | 2.4 | | |
| | | M5 | 3 | 15.6 | 11.6 | 10 | M5x0.8 | 3.8 | 3.2 | | |
| | | 1 | 8 | 15.6 | 11.6 | 10 | R1 / 8 | 6.4 | 6.6 | | |
| | 6 | M5 | 3 | 17 | 14 | 10 | M5x0.8 | 3.6 | 4.5 | | |
| 1 | | 8 | 17.6 | 13.6 | 10 | R1 / 8 | 6.3 | 6 | | | |

Connectors with Hex Socket

MNCNP

M Material: PBT (Polybutylene Terephthalate)
Thread: Brass (Electroless Nickel Plating)

| Part Number Type | D | Nominal Dia. | A | B | L | Width Across H | P | Thread Size M | Effective Sectional Area (mm ²) | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|--------------|-----|------|------|----------------|----|---------------|---|----------|------------|----------------------|
| MNCNP | 4 | M3 | 2.5 | 15.1 | 12.6 | 1.5 | 8 | M3x0.5 | 1.8 | 2.2 | | |
| | | M5 | 3 | 15.6 | 12.6 | 2.5 | 8 | M5x0.8 | 5.1 | 3 | | |
| | | 1 | 8 | 15.8 | 11.8 | 3 | 10 | R1 / 8 | 7.4 | 6.2 | | |
| | 6 | M5 | 3 | 17.5 | 14.5 | 2.5 | 10 | M5x0.8 | 5.2 | 4.4 | | |
| | | 1 | 8 | 17.9 | 13.9 | 4 | 10 | R1 / 8 | 13 | 5.6 | | |

Elbows

MNCNL

M Material: PBT (Polybutylene Terephthalate)
Thread: Brass (Electroless Nickel Plating)

| Part Number Type | D | Nominal Dia. | A | B | L | P | E | Width Across H | Thread Size M | Effective Sectional Area (mm ²) | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|--------------|-----|------|------|------|------|----------------|---------------|---|----------|------------|----------------------|
| MNCNL | 4 | M3 | 2.5 | 14 | 15.5 | | | 8 | M3x0.5 | 1.3 | 3 | | |
| | | M5 | 3 | 14 | 14.5 | 8 | 15.1 | 8 | M5x0.8 | 2.2 | 3.4 | | |
| | | 1 | 8 | 16 | 16 | | | 10 | R1 / 8 | 4.8 | 6.2 | | |
| | 6 | M5 | 3 | 14.5 | 16.8 | | | 8 | M5x0.8 | 3.5 | 4.1 | | |
| | | 1 | 8 | 17 | 18.3 | 10.5 | 16 | 10 | R1 / 8 | 8.5 | 6 | | |

Union Elbows

MNCLYL

M Material: PBT (Polybutylene Terephthalate)

| Part Number Type | D | P | E | F | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|------|------|-----|----------|------------|----------------------|
| MNCLYL | 4 | 8 | 13.1 | 5.6 | 2.3 | | |
| | 6 | 10.5 | 15 | 6.6 | 3.6 | | |

Unions

MNUN

M Material: PBT (Polybutylene Terephthalate)

| Part Number Type | D | B | P | Effective Sectional Area (mm ²) | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|------|------|---|----------|------------|----------------------|
| MNUN | 4 | 22.7 | 8 | 5.4 | 2 | | |
| | 6 | 24.4 | 10.4 | 11 | 3.1 | | |

Union Tees

MNCLYT

M Material: PBT (Polybutylene Terephthalate)

| Part Number Type | D | B | P | E | F ₁ | F ₂ | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|------|------|-------|----------------|----------------|----------|------------|----------------------|
| MNCLYT | 4 | 13.1 | 8 | 13.1 | 11.2 | 5.6 | 3.3 | | |
| | 6 | 15 | 10.5 | 14.95 | 13.2 | 6.6 | 5.3 | | |

Union Y

MNUNY

M Material: PBT (Polybutylene Terephthalate)

| Part Number Type | D | B | P | J | F | Effective Sectional Area (mm ²) | Mass (g) | Unit Price | Volume Discount Rate |
|------------------|---|------|------|------|------|---|----------|------------|----------------------|
| MNUNY | 4 | 27.6 | 8 | 8 | 12.6 | 2.3 | 3.4 | | |
| | 6 | 31 | 10.5 | 10.5 | 14 | 6.8 | 5.5 | | |

Ordering Example

Part Number - Nominal Dia.
MNCN4 - M5
MNUN6

Specifications

| | |
|------------------------------|---------|
| Applicable Fluid | Air |
| Operating Temperature Range* | 0-60°C |
| Max. Operating Pressure | 1MPa |
| Operating Vacuum Level | -100kPa |

* No Freezing

Release Ring Shape of Miniature One-Touch Couplings

| D | X | Y |
|---|------|-----|
| 4 | 9.8 | 7.8 |
| 6 | 11.8 | 9.8 |