

# Parker Product Datasheet



Quick coupling system with nominal diameter 5 for pneumatic, liquids and gas applications up to 35 bar.  
Available in brass, nickel-plated brass, or stainless steel.

**PART NUMBER:** 21KBTF10MPN  
**COUPLING HALF:** Coupler  
**CONNECTION TYPE:** Hose Barb  
**BODY MATERIAL:** Brass  
**FUNCTION:** Double Shut-Off  
**CONNECTION SIZE:** 10 MM

## PRODUCT OVERVIEW

Parker's Series 21 is a mini-industrial coupling with European profile. Coupling system with single-hand operation. Above average flow performance for liquid and gaseous media.

Markets:

- Industrial
- Electronics and energy management
- Rescue Equipment
- Life Science
- Machinery construction

- Material Handling
- Transportation
- Automotive
- Process
- Food & Beverage

#### Features/Benefits:

- Mini Industrial Coupling
- Single-hand operation for easy and fast connection
- European profile is the most representative profile worldwide
- Dry-break version available
- Additional safety locking system available to prevent unintentional disconnection

## TECH SPECIFICATIONS

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>CONNECTION SIZE</b>               | 10 mm                      |
| <b>APPLICATION</b>                   | Electronics                |
| <b>APPLICATION</b>                   | Industrial Machinery       |
| <b>FLOW RATE</b>                     | 310 L/min (air)            |
| <b>INDUSTRY</b>                      | Healthcare & Life Sciences |
| <b>MAXIMUM OPERATING PRESSURE</b>    | 35 bar                     |
| <b>HEX SIZE</b>                      | 14 mm                      |
| <b>INDUSTRY</b>                      | General Industrial         |
| <b>INTERCHANGE TYPE</b>              | European Profile           |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -20 °C                     |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>APPLICATION</b>                   | Pharma              |
| <b>WEIGHT</b>                        | 0.029 kg            |
| <b>BRAND</b>                         | Rectus              |
| <b>APPLICATION</b>                   | Energy Management   |
| <b>APPLICATION</b>                   | Laboratory          |
| <b>INDUSTRY</b>                      | Electronics         |
| <b>BRAND</b>                         | Parker              |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -4 °F               |
| <b>APPLICATION</b>                   | Diagnostics         |
| <b>DIAMETER</b>                      | 5 mm (nominal)      |
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 100 °C              |
| <b>COMPATIBLE FITTING</b>            | Series 21 Plug      |
| <b>APPLICATION</b>                   | In-Plant Automotive |
| <b>FLOW RATE</b>                     | 2.7 L/min (water)   |
| <b>INDUSTRY</b>                      | Transportation      |
| <b>MAXIMUM OPERATING PRESSURE</b>    | 507 psi             |
| <b>APPLICATION</b>                   | Trucks & Trailers   |
| <b>PRODUCT SERIES</b>                | Series 21           |
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 212 °F              |
| <b>SHAPE</b>                         | Straight            |
| <b>APPLICATION</b>                   | Food & Beverages    |
| <b>TECHNOLOGY</b>                    | Pneumatics          |
| <b>QUANTITY PER BOX</b>              | 10                  |
| <b>CONNECTION TYPE</b>               | Hose Barb           |
| <b>REGION OF ORIGIN</b>              | Germany             |

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| <b>VALVE INCLUDED</b>   | Yes                                                                      |
| <b>OUTSIDE DIAMETER</b> | 16 mm                                                                    |
| <b>FOR FLUID TYPE</b>   | Air & Neutral Gases (Industrial compressed, lubricated air, inert gases) |
| <b>PRODUCT TYPE</b>     | Pneumatic Quick Couplings                                                |
| <b>PRODUCT STYLE</b>    | Quick-Connect                                                            |
| <b>FUNCTION</b>         | Double Shut-Off                                                          |
| <b>DIVISION</b>         | Low Pressure Connectors Europe Division                                  |
| <b>COUPLING HALF</b>    | Coupler                                                                  |
| <b>SLEEVE MATERIAL</b>  | Brass                                                                    |
| <b>OPERATION TYPE</b>   | Sleeve                                                                   |
| <b>DIVISION</b>         | Low Pressure Connectors Europe Division                                  |
| <b>FOR FLUID TYPE</b>   | Water (Industrial, drinking, treated water)                              |
| <b>VALVE TYPE</b>       | Standard Valve                                                           |
| <b>BODY MATERIAL</b>    | Brass                                                                    |
| <b>TECHNOLOGY</b>       | Fluid & Gas Handling                                                     |
| <b>PLATING TYPE</b>     | Nickel-plated                                                            |
| <b>SEAL MATERIAL</b>    | NBR                                                                      |