

OTHER PRODUCT LINES

CUPLA

Quick Connecting Fluid Couplings are The World's Best for both Quality and Quantity



Full line-up consisting of 3,000 series, 20,000 type variations. The couplings eliminate inconvenience of thread-in or bolted flange connections, fluid leakage, or hose kinking but provide speedy control and maintenance of fluid piping.



HI CUPLA ACE

- Plastic Cuplas with a built-in locking mechanism.
- Pressure ratings comparable to steel Cuplas.



LINE CUPLA 200

- Enables several air lines to be taken simultaneously from one supply line.
- Gives speedy branching of Hi Cupla.

HI CUPLA & HI CUPLA 200

- One-way shut-off coupling with an automatic shut-off valve in the socket.
- Important parts are hardened for excellent wear resistance and durability.



| Plug | | | | P |
|---|---------------|-------|---------------|---|
| For hose connection | | | | |
| 40PH | For 1/2" hose | 400PH | For 1/2" hose | |
| 17PH | For 1/4" hose | 20PH | For 1/4" hose | |
| For female thread connection | | | | |
| 40PM | For Rc 1/2" | 10PM | For Rc 1/8" | |
| 20PM | For Rc 1/4" | 30PM | For Rc 3/8" | |
| For male thread connection | | | | |
| 40PF | For R 1/2" | 30PF | For R 3/8" | |
| 20PF | For R 1/4" | 40PF | For R 1/4" | |
| For male thread connection (parallel thread) | | | | |
| 20PFF | For G 1/4" | | | |

| Socket | | | | S |
|-------------------------------------|---------------|----------|-----------------|---|
| For hose connection | | | | |
| 40SH | For 1/2" hose | 20SH | For 1/4" hose | |
| 30SH | For 3/8" hose | 17SH | For 1/4" hose | |
| For female thread connection | | | | |
| 40SM | For Rc 1/2" | 10SM | For Rc 1/8" | |
| 20SM | For Rc 1/4" | 30SM | For Rc 3/8" | |
| For male thread connection | | | | |
| 40SF | For R 1/2" | 30SF | For R 3/8" | |
| 20SF | For R 1/4" | 17SF | For R 1/4" hose | |
| For hose connection | | | | |
| 200-40SH | For 1/2" hose | 200-20SH | For 1/4" hose | |
| 200-30SH | For 3/8" hose | 200-17SH | For 1/4" hose | |
| For female thread connection | | | | |
| 400SM | For Rc 1/2" | 200-20SM | For Rc 1/4" | |
| 600SM | For Rc 3/4" | 200-30SM | For Rc 3/8" | |
| For male thread connection | | | | |
| 400SF | For R 1/2" | 200-20SF | For R 1/4" | |
| 600SF | For R 3/4" | 200-30SF | For R 3/8" | |

Specifications

| Type | Hi Cupla | Hi Cupla 200 |
|---------------------------|----------------------------------|------------------------|
| Body material | Steel (chrome-plated) | Steel (chrome-plated) |
| Size | 1/8", 1/4", 3/8", 1/2", 3/4", 1" | 1/8", 1/4", 3/8", 1/2" |
| Working pressure | 1.5MPa | 1.0MPa |
| Pressure resistance | 2.0MPa | 1.5MPa |
| Seal material | NBR | NBR |
| Working temperature range | -20°C~+80°C | -5°C~+60°C |

For Oxygen / Fuel Gas Mini Cupla Super

Heavy-duty push-to-connect type or oxyacetylene piping



Exclusively for welding and cutting equipment.

- From cylinders to torches, all piping connections associated with welding and cutting equipment are now in push-to-connect configurations.
- Chrome-plated body for better corrosion resistance.
- Heat-treated plugs for better durability.
- Oxygen and fuel gas couplings have different configuration sizes with sleeves in different appearances, chrome plating for oxygen and copper plating for fuel gas, to prevent accidental interconnection.
- Smaller diameter design enables wider range of applications.
- Various types of end configurations have been standardized to comply with a wide range of welding and cutting equipment applications. Interchangeable with Mini Cupla.

Select the combination in accordance with your own application.

| Male thread | For regulator | For extension hose | For torch |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | | | |
| Suggested combination SM x PH | Suggested combination SF x PH | Suggested combination SH x PH | Suggested combination SH x PF |



| Plug | | | | P |
|--|--------------|-------------------------|--|---|
| PH type (Hose barb) | | | | |
| S22PH | For Oxygen | For 1/4", 5/16" | | |
| S33PH | For Fuel Gas | For 5/16", 3/8" | | |
| PH type (Hose barb of smaller diameters) | | | | |
| S225PH | For Oxygen | For 5mm ID | | |
| S335PH | For Fuel Gas | For 5mm ID | | |
| PF type (Female thread for torch connection) | | | | |
| S22PF | For Oxygen | For oxygen torch side | | |
| S33PF | For Fuel Gas | For fuel gas torch side | | |
| PFB type (Female thread with backflow stop valve) | | | | |
| S23PFB-2" | For Oxygen | For oxygen torch side | | |
| S33PFB-2" | For Fuel Gas | For fuel gas torch side | | |
| PN type (Nut type for small diameter hose) | | | | |
| S22PN | For Oxygen | For 5mm ID | | |
| S33PN | For Fuel Gas | For 5mm ID | | |

| Socket | | | | S |
|---|--------------|-------------------------|--|---|
| SH type (Hose barb) | | | | |
| S22SH | For Oxygen | For 1/4", 5/16" | | |
| S33SH | For Fuel Gas | For 5/16", 3/8" | | |
| SH type (Hose barb of smaller diameters) | | | | |
| S225SH | For Oxygen | For 5mm ID | | |
| S335SH | For Fuel Gas | For 5mm ID | | |
| SF type (Female thread for torch connection) | | | | |
| S22SF | For Oxygen | For oxygen gauge side | | |
| S33SF | For Fuel Gas | For fuel gas gauge side | | |
| SM type (Male thread) | | | | |
| S22SM | For Oxygen | For Rc 1/4" | | |
| S33SM | For Fuel Gas | For Rc 3/8" | | |
| SN type (Nut type for small diameter hose) | | | | |
| S22SN | For Oxygen | For 5mm ID | | |
| S33SN | For Fuel Gas | For 5mm ID | | |

Specifications

| | |
|---------------------------|---|
| Body material | Socket : Brass (chrome-plated) Plug : Steel (chrome-plated) |
| Size | 1/4", 5/16", 3/8" |
| Working pressure | 0.7MPa |
| Pressure resistance | 1.0MPa |
| Seal material | NBR |
| Working temperature range | -20°C~+80°C |

*Made-to-order item. • Available hose sizes are ø5mm x ø11.2mm, ø5mm x ø11.5mm and ø5mm x ø11.8mm.

