# Solutions for Compressed Air, Hydraulic & Fluid Transfer Applications.

EATON

*Powering Business Worldwide*

## Compressed Air Standard Couplings - *Single shut-off*

### G600 ▪ G700 ▪ I900 ▪ I1000 ▪ T1100 ▪ T1300 series

Diam. 5.5, 8 and 11 mm - Std ISO 6150B
Diam. 7.2/7.4 and 10 mm - European profile
Diam. 12 mm - Proprietary profile
Up to 20 bar max - Ball-locked
Nickel-plated brass - Zinc-plated steel
NBR seals
■ General pneumatics

### 1000 series

Diam. 5.5 mm
Standard ISO 6150B
Up to 140 bar max
AISI 303 stainless steel
NBR seals*
Ball-locked
■ General pneumatics and fluid transfer

### 3000 ▪ 4000 ▪ 5000 ▪ 6000 series

Diam. 5.5 to 15 mm - Standard ISO 6150B
Up to 140 bar max
Brass - Zinc-plated steel
NBR seals*
Ball-locked
■ General pneumatics, industrial breathing air and fluid transfer

### 210 ▪ 310 series

Diam. 5.5 and 8 mm
ARO interchange
Up to 17 bar max
Carbon steel
NBR seals
Ball-locked
■ General pneumatics

## Compressed Air Safety Couplings - *Single shut-off*

### profile ISO 6150B

Diam. 5.5 and 8 mm - ISO 6150B profile
Meets ISO 4414 standard requirements
Up to 16 bar max
Aluminium - Zinc-plated steel
NBR seals
Push-button type (no whiplash effect)
■ General pneumatics

### profile ISO 6150C

Diam. 5.5, 8 and 11 mm
ISO 6150C profile
Meets ISO 4414 standard requirements
Up to 16 bar max
Aluminium - Zinc-plated steel
NBR seals
Push-button type (no whiplash effect)
■ General pneumatics and automotive plants

### 2CC ▪ 24CC series

Diam. 5.5 mm accepts both ISO 6150B and ARO 210 profiles
Diam. 7.2 mm - European profile
Up to 17 bar max
Nickel-plated brass - Zinc-plated steel - ABS PC - NBR seals
Unrestricted flow-passage
No whiplash effect
■ General pneumatics

### FULL-BORE series

Diam. 8 and 11 mm
ARO industrial interchange
Up to 17 bar max
Carbon steel
NBR seals
No whiplash effect
■ General pneumatics

## Compressed Air Accessories

### S100 ▪ S200 series

From 10 to 20 bar max
Nylon or metal blow-guns
Progressive flow control
Series S 100 is available with airscreen
Series S 200 complies with OSHA standard requirements
■ General pneumatics

### E700 ▪ M200 ▪ M280 series

Adaptors, Ys, tees, elbows, crosses and hose tails
From 35 to 250 bar max
Zinc-plated steel - Nickel-plated brass
■ General pneumatics and hydraulics

### SPUBD series

Air-coils with swivel connections
From 9 max
Polyurethane
■ General pneumatics and fluid transfer

### ENR series

Air hose reel
Up to 15 bar max
Polyurethane braid hose - Steel guard
180° rotating support
■ General pneumatics

## Moulding Couplings

### J 50000 series

Diam. 6 and 9 mm - Proprietary profile
Up to 50 bar max
Stainless steel - Brass
FKM seals
Double shut-off - Vibration-resistant
■ Cooling or heat regulation of injection moulds, cooling of electronic systems and heat-transfer fluids

### FLO-TEMP™ series

Diam. 6, 9 and 16 mm
Proprietary profile
Up to 14 bar max
Brass
FKM seals
Straight-through
■ Cooling or heat regulation of injection moulds

## Plastic Couplings

### P2 HK ▪ P2 ST ▪ P3 ST series

P2 HK: size 1/4" - Up to 4 bar max
Polypropylene - FKM or EPDM seals
Double shut-off
■ Air, water and various chemicals

P2 ST & P3 ST: sizes 1/4" and 3/8"
Polypropylene - NBR seals
Up to 8 bar max - Straight-through
■ Medical applications, chemicals, pharmaceuticals and fluid transfer

## Refrigerant Couplings

### W 10000 series

Sizes 8, 12 and 16 - Proprietary profile
Up to 125 bar max
Zinc-plated steel - Brass
HNBR or CR seals
Double shut-off - Screw-to-connect
Minimum entry of air and loss of fluid
■ Refrigeration and air conditioning systems

## Gas Couplings

### 600 ▪ 700 series

Size 1/4" - Proprietary profile
Up to 100 bar max
Brass - NBR seals
Single shut-off - Ball-locked
Safety sleeve-lock
For oxygen or acetylene use
■ Welding, general pneumatics, breathing equipment, construction and shipyards

## Hydraulic Ball-Locked Couplings - *Double shut-off*

### H-5000 series

Sizes 1/8" to 2" - Proprietary profile
Up to 1000 bar max
Available in zinc-plated steel, brass and stainless steel
NBR, FKM or EPDM seals
Excellent pressure performance
■ Oil industry, chemicals, transport, public works, agriculture, iron and steel and food processing industry

### HK series

*also available for Oil & Gas (HKFR series - API 16D certified)*

Sizes 1/8" to 3" - Standard ISO 7241-1B
Up to 345 bar max
Available in steel, brass and stainless steel
NBR, FKM or EPDM seals*
Alternative single shut-off or straight-through versions - Optional safety sleeve-lock - High flow rates
■ Chemicals, transport, public works, agriculture, iron and steel, refrigeration and food processing industry

### IA series

Size 1/2" - Standard ISO 7241-1A
Up to 250 bar max
Zinc-plated steel
NBR seals
Push-pull sleeve (bulkhead mounting)
Wide offer of end connections
■ Hydraulic circuits and equipment used in agriculture and forestry machinery

## Hydraulic Ball-Locked Couplings (continued)

### 2 HKIG - 2 HKIL series

Size 1/4" - Proprietary profile
Up to 100 bar max
Stainless steel - NBR seals*
Socket also available with right-angle connection
2 profiles to avoid crossing lines
■ Chemicals, general industry, food and beverage, military and aerospace

### Q 9000 series

Diam 8 mm
Standards ISO 5676 & NFU 16-006
Up to 150 bar max
Zinc-plated steel - NBR seals
Brake couplings
Minimum entry of air and loss of fluid
■ Trailer brake circuits on agricultural and forestry vehicles

### H 55000 series

Sizes 3/8" and 1/2" - Proprietary profile
Up to 250 bar max
Zinc-plated steel
NBR seals
Ball valving
■ Hydraulic circuits and equipment, forestry and agricultural machinery, iron and steel industry

## Check-Valves

### R 4000 series

Sizes 1/8" to 2" - Proprietary profile
Up to 700 bar max
Available in zinc-plated steel, brass and stainless steel
NBR or FKM seals*
Standard cracking pressures: 0.5 and 1 bar
■ All industries, agriculture, public works and fluid transfer lines

## Hydraulic Screw-to-Connect Couplings - *Double shut-off*

### W 6000 series

Sizes 1/4" to 2" - Proprietary profile
Up to 1100 bar max
Available in zinc-plated steel and stainless steel
NBR or FKM seals
Resistant to heavy mechanical loads
■ All industrial and severe applications, public works, offshore and lifting equipment

### W 36000 series

Sizes 1/4" to 1"1/4 - Proprietary profile
Up to 450 bar max
Zinc-plated steel - NBR seals
Optional safety device - Wide offer of end connections - Resistant to heavy mechanical loads
■ Agriculture, public works, forestry machinery and snow groomers

### W 46000 series

Sizes 3/4" and 1" - Proprietary profile
Up to 250 bar max
Zinc-plated steel
NBR seals
■ Tractor-trailor connections, HGVs and trucks

### K 8000 series

Diam 8 mm - Proprietary profile
Up to 250 bar max
Zinc-plated steel
NBR seals
Agricultural couplings
Minimum entry of air and loss of fluid
■ Tractors, agriculture and forestry machinery

## Hydraulic Flat-Face Couplings - *Double shut-off*

### FF • FFCUP series

*also available with colour-coded rings*

FF: sizes 1/4"to 1" - Safety sleeve-lock
FFCUP plug: size 3/8" for Connect under Pressure applications
Standard ISO 16028 - Up to 350 bar max
Zinc-plated steel - NBR+AU seals
Excellent mechanical performance
■ Hydraulic pumps, jacks, lifting & handling equipment, public works, agriculture, iron and steel industry

### MLFF series

*also available with colour-coded rings*

Sizes 1/4" to 1" - Standard ISO 16028
Up to 250 bar max
Stainless steel - NBR+AU, EPDM or FKM seals
Safety sleeve-lock
Resistant to aggressive environments
■ Construction, agriculture, oil and gas, material handling, railways, iron and steel industry and marine

### MLDB series

*also available with colour-coded rings*

Sizes 1/4" to 1" - Proprietary profile
Up to 25 bar max - AISI 316 stainless steel - FKM or EPDM seals*
Safety sleeve-lock
Resistant to aggressive fluids and corrosion
■ Chemicals, petrochemicals, pharmaceuticals, cosmetics, cooling and food processing industry

## Beverage Couplings

Fittings, plugs and sockets
Brass - Stainless steel - Plastic
EPDM seals
■ Beverage dispensers

## Hydraulic Ball-Locked Couplings - *Straight-through*

### L 7000 series

Sizes 1/8" to 2" - Proprietary profile
Up to 1000 bar max
Available in zinc-plated steel, brass and stainless steel
NBR, FKM or EPDM seals
■ Pressure washing, steam-cleaning equipment, fluid transfer lines and hydraulic circuits

### ST series

Sizes 1/8" to 2"1/2 - Proprietary profile
Up to 520 bar max
Available in zinc-plated steel (plugs only), brass and stainless steel
NBR, FKM or EPDM seals*
■ Pressure washing, steam-cleaning equipment, fluid transfer lines and hydraulic circuits

## High Pressure Hydraulic Couplings

### 2UH series

Size 1/4" - Proprietary profile
Up to 1500 bar max
High tensile steel
NBR seals
Ball-locked
■ Emergency release and rescue equipment, lifting cylinders, shears and pullers

### WA 56000 • HP3 series

W-56000: sizes 1/4" and 3/8" (poppet valving) - HP3: size 3/8" (ball valving)
Proprietary profiles
Up to 700 bar max
Zinc-plated steel
NBR seals
■ Hydraulic jacks, clamping systems, lifting and emergency release equipment

## Leak-Testing and Filling Connectors

Quick Seal® leak test plugs and filling connectors are widely used as time-saving, cost-effective tools for instantly connecting vacuum and pressure lines to tubing for pressure testing, vacuum, charging and other applications requiring a quick, leak-free connection.
■ Air conditioners, vending equipment, ice machines, gas stoves, fireplaces, pumps, compressors, valves, gas tanks, oil systems, beverage dispensers, refrigerators, engine blocks, mufflers...

## Customized Couplings

Eaton continues the tradition of developing custom quick disconnect couplings for customers that need a product to perform above and beyond industry standards. Whether it is a custom coupling for the world's most powerful and sophisticated super computers that use electronic cooling or a self contained breathing apparatus coupling for first responders, Eaton has the ability to work directly with you on a solution. Contact Eaton to see how our dedicated and experienced design engineering team will work with you to develop a quick disconnect coupling solution.

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