



# AS Fittings

## Single-Way Quick Disconnects

- **AS range of single way pneumatic self-sealing quick-disconnects.**
- **Reliable connection of single pneumatic lines. Suitable for instrumentation lines.**
- **Available with fittings for 1/8, 1/16 and 2mm flexible or stainless steel pipe.**
- **Female half can self-sealing when decoupled**
- **Blanks and bulkhead fittings available.**



The Chell AS range of quick disconnects are a well established range of pneumatic connectors which were manufactured by Cablerange Ltd. This product range was taken over by Chell in June 2010.

The AS range gives the user the ability to connect single pneumatic lines in a variety of styles. They are well known in the test cell environment where they form an ideal way of quickly making connections in test pressure lines.

The AS range can interface with 1/16 inch, 1/8 inch and 2mm tubing both flexible and stainless steel.

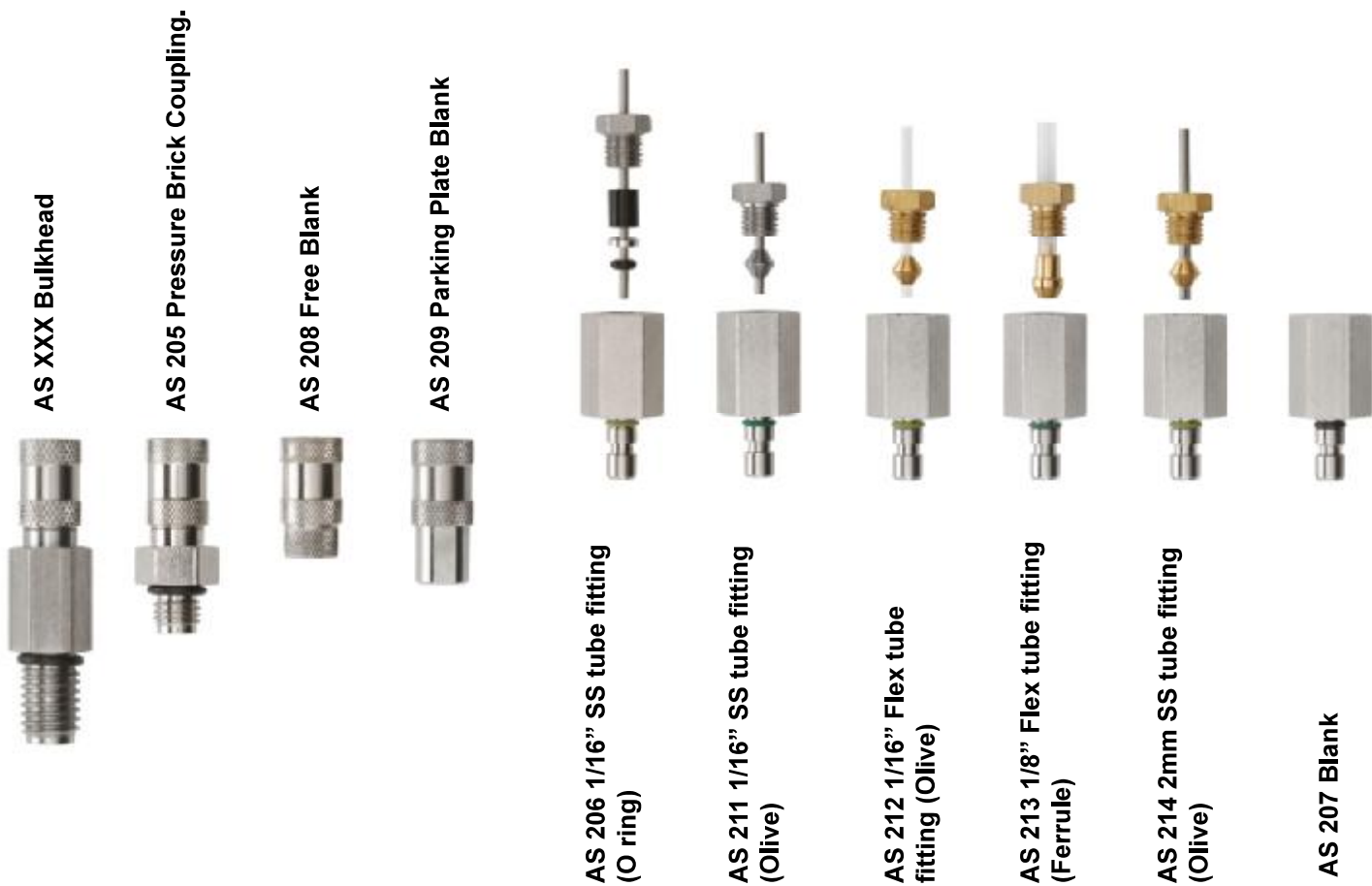
The female (fixed) components can be specified to be self-sealing. These would then incorporate an internal valve which seals the system when the male (removable) component is removed.

The range consists of bulkhead connectors, interfaces for pressure bricks and various tube fitting options. In addition to this, various blanks are also available for both genders.



AS Range Specifications		
Options		
<b>Fitting types (female)</b>	Bulkhead fitting or pressure brick interface (1/16" -24 SAE O-ring Boss)	
<b>Fitting types (male)</b>	Compression fitting for 1/16 inch flexible and stainless steel tubing or 1/8 inch flexible tubing.	
<b>Seal type</b>	Nitrile as standard.	
<b>Dimensions</b>	Fixed Bulkhead (AS210) : 13.5 dia x 50 (mm approx) Pressure Brick Connector (AS205) : 13.5 dia x 32 (mm approx) Free Blank (AS208) : 10.3 dia x 20 (mm approx) Parking Plate Blank (AS209) : 10.3 dia x 23.5 (mm approx)  Removable Free Ends (AS206, AS210, AS211, AS212, AS213) : 13.5 dia x 33* (mm approx) * 22.5mm when mated.	
Pressure Performance		
<b>Pressure</b>	The AS coupling has been tested to 900 psi (62 bar)	
Temperature Performance		
	Minimum Temperature	Maximum Temperature
Nitrile	-25°C	120°C Max, working temperature 100°C

## The AS Range



## AS Tubing Fittings

### 1/16 Inch Stainless Steel Tube (AS206)



The AS206 is a through male connector which has an O ring on the back end of the male connector. This is to compensate for any vibration in the stainless steel tube. The rear end of the unit is fitted with a nut with a .069 hole to allow the tube to be pushed straight into the unit. Between the back of the male unit and the nut there is an O ring, a washer and an adaptor rubber. When the tube has been pushed home it can be held in position by tightening the nut.

### 1/16 Inch Stainless Steel Tube (AS 211)



Stainless Steel Olive and compression nut fitting.  
Stainless Steel Olive Tubing nut - P/N CR.F.2580/SS  
Stainless Steel Olive - P/N CR.F.2581SS

### 1/16 Inch Flexible Tube (AS 212)



Brass Olive and compression nut fitting.  
Brass Olive Tubing nut - P/N CR.F.2322  
Brass Olive - P/N CR.F.2581

### 1/8 Inch Flexible Tube (AS 213)



Brass Ferrule and compression nut fitting.  
Brass Ferrule Tubing nut - P/N CR.F.1724  
Brass Ferrule for 1/8 inch OD tube and 0.055 to 0.060 inch i/d - P/N CR.F.1725.055  
Brass Ferrule for 1/8 inch OD tube and 0.062 to 0.064 inch i/d - P/N CR.F.1725.062  
Brass Ferrule for 1/8 inch OD tube and 0.075 to 0.080 inch i/d - P/N CR.F.1725.075

### 2mm Stainless Steel Tube (AS 214)



Brass Olive and compression nut fitting.  
Brass Olive Tubing nut - P/N CR.F.2580-2.1  
Brass Olive - P/N CR.F.2581-2.1

Please specify tubing sizes at order placement.



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