

# 500R SERIES RESPIRATORY BREATHING AIR AIRLINE COUPLINGS

## 500R SERIES - RESPIRATORY BREATHING AIR

**RYCO 500R** Series Couplings are designed for Respiratory Breathing Air applications, where breathing air is supplied to the operator via air-line. They comply with the relevant clauses of **AS/NZS 1716** "Respiratory Protection Devices".

Disconnection of the Coupling requires two deliberate movements:

1. The Nipple must be pushed further into the Female Body.
  2. While holding the Nipple in, retract the Sleeve.
- This feature reduces the risk of accidental disconnection.

Additionally, **RYCO 500R** Series Coupling Nipples have a longer shank than **RYCO 500** Series. **RYCO 500** Series Coupling Nipples cannot be connected to **RYCO 500R** Series Couplings.

### RECOMMENDED FOR:

Typical Respiratory Breathing Air applications; work in confined spaces, oxygen deficient or toxic areas, chemical processing and spraying, spray painting, rescue equipment, asbestos removal, sand blasting, tank cleaning, and fumigation. **RYCO 500R** Series Couplings are **NOT RECOMMENDED** for Underwater Diving applications.

An Independent Test Report, showing compliance of **RYCO 500R** Series Couplings to **AS/NZS 1716-1994** "Respiratory Protection Devices" is available. This Test Report covers the following clauses of **AS/NZS 1716**:

**Clause 8.3.4** "Connectors and couplings"  
 "All air-line connections shall be of "safety type" i.e. requiring at least two deliberate actions to separate the connection or coupling" and **Clause 8.4.6.1** "Strength of (air-line and) couplings".

INTRODUCTION

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## 500R SERIES - SPECIFICATIONS

AIRLINE COUPLINGS				MATCHED CONNECTORS						CORROSION RESISTANCE	LONG LASTING	HARD WEARING	HARDENED SLEEVE	SELF LOCKING	ONE TOUCH OPERATION	HEAVY DUTY	INDUSTRIAL STRENGTH	BRASS VALVE	STEEL COUPLING
SERIES	BODY	FLOW RATE		200	200S	290	300	400	500										
<b>500R<sup>+</sup></b>	BRASS	100	2800						500R*										

**NOTE:** \* **RYCO 500R** Series Couplings are designed for Respiratory Breathing Air applications, where breathing air is supplied to the operator via air-line. They comply with the relevant clauses of **AS/NZS 1716** "Respiratory Protection Devices".

## 500R AIRLINE COUPLINGS RESPIRATORY BREATHING AIR

BSPT FEMALE

BSPT MALE

AUTOMATIC COUPLINGS  
COUPLING NIPPLES

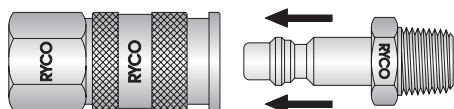


SUITED SERIES						THREAD/ BARB	BRASS	STEEL
200	200S	290	300	400	500	1/4	<b>PART NO</b> 500R	<b>PART NO</b> 502R

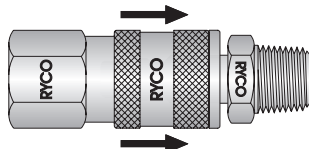
## CONNECTING AND DISCONNECTING RYCO 500R SERIES COUPLINGS

### HOW TO CONNECT

SIMPLY PUSH NIPPLE INTO FEMALE BODY

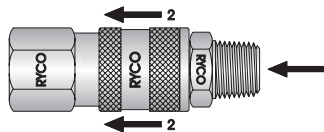


SLEEVE MOVES FORWARD AND CONNECTION IS COMPLETE

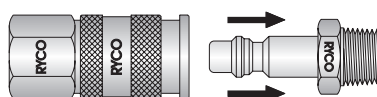


### HOW TO DISCONNECT

1. PUSH NIPPLE FURTHER INTO FEMALE BODY
2. HOLD NIPPLE IN AND RETRACT SLEEVE



NIPPLE IS RELEASED FROM FEMALE BODY AND DISCONNECTION IS COMPLETE



# ACCESSORIES

## 500 SUPER HI FLOW SERIES AIRLINE COUPLINGS

### 500 SERIES - SPECIFICATIONS

AIRLINE COUPLINGS				MATCHED CONNECTORS						CORROSION RESISTANCE	LONG LASTING	HARD WEARING	HARDENED SLEEVE	SELF LOCKING	ONE TOUCH OPERATION	HEAVY DUTY	INDUSTRIAL STRENGTH	BRASS VLAVE	STEEL COUPLING
SERIES	BODY	FLOW RATE		200	200S	290	300	400	500										
500*	STEEL	100	2800						500*	✓	✓	✓	✓	✓					

\* 500 Series AIRLINE Couplings cross references with CEJN couplings.

### 500 AIRLINE COUPLINGS SUPER HI FLOW

BSPT MALE

BSPF FEMALE

HOSE BARB

AUTOMATIC COUPLINGS



SUITED SERIES						THREAD/ BARB	STEEL	STEEL	STEEL
200	200S	290	300	400	500		PART NO	PART NO	PART NO
					✓	1/4	501	500	545
					✓	5/16			540
					✓	3/8	544	543	541
					✓	1/2	547	546	542

### 500 AIRLINE COUPLINGS SUPER HI FLOW

BSPT MALE

BSPF FEMALE

HOSE BARB

COUPLING NIPPLES



SUITED SERIES						THREAD/ BARB	STEEL	STEEL	STEEL
200	200S	290	300	400	500		PART NO	PART NO	PART NO
					✓	1/8	504		
					✓	1/4	502	503	505
					✓	5/16			506
					✓	3/8	551	566	506A
					✓	1/2	552	570	554
					✓	SCHL*	517A		

NOTE: SCHL\* stands for SCHRADER-LONG.