

# Air Energy

COMPRESSED AIR SYSTEMS • INDUSTRIAL PIPEWORK

Hoses  
Blowguns  
Manifolds  
Spiral PU Hoses  
Retractable Reels  
Compressed Air Hoses  
Quick Connect Couplers



**HOSE, REELS  
& COUPLERS**  
PRODUCT CATALOGUE

**1300 99 55 26** [airenergy.com.au](http://airenergy.com.au)

# HOW ARE YOU ADDRESSING YOUR WHS OBLIGATIONS?

At **Air Energy** we take safety seriously

Compressed air is one of the most important energy forms used in industry today, its use is widespread and as with many things that are common, the risks of compressed air injuring people and damaging plant are often grossly underestimated.

However, Compressed air is not just "air." It is a focused, concentrated stream of air driven at a high velocity, full of potential energy that can cause serious injury or death to its operator or persons in the immediate area, so knowing your responsibilities to mitigate these risks is essential.

## CORPORATE DUTY OF CARE

Since the Commonwealth Workplace Health and Safety Act (WHS) commenced in January 2012, it's essential that businesses comply with their duty of care towards WHS.

Put simply, the Act requires businesses and their officers to take *all reasonable, practical measures to minimise or eliminate* WHS risks to workers and other people at a place of business including customers.

With Compressed Air, these risks can be defined as pressure, particles, noise or whiplash.

### Air pressure

Air under high pressure can penetrate the skin, causing lacerations and embolisms, or damaging sensitive tissue such as the eyes or ear drums. Pressure as low as 12psi can rupture an eyeball.

### Particles

Air at 40psi can drive particles into the eyes and face with the force of shrapnel, causing cuts and bruises to other parts of the body.

### Noise

Compressed air can reach or exceed 120 decibels, which is equivalent to a jet plane, causing WHS noise pollution issues and permanent hearing loss.

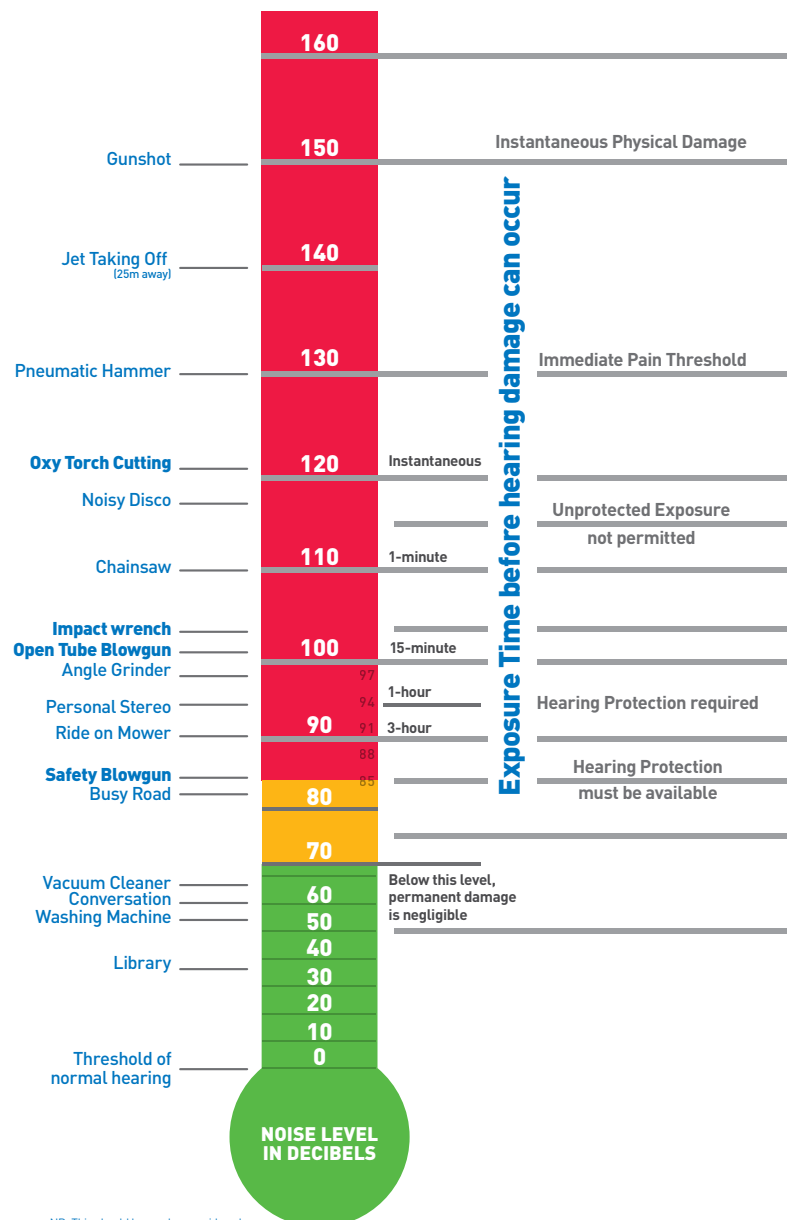
### Whiplash

When a pressurised airline bursts, or a hose coupling inadvertently releases, a whiplash results in a thrashing hose becoming a dangerous projectile. If air tools are attached, or the line is a large diameter, the dangers increase dramatically.

## AIR ENERGY CAN SUGGEST SOLUTIONS FOR YOUR SPECIFIC REQUIREMENTS



**Cheap hose is not worth it!**



## WELCOME TO THE **AIR ENERGY** HOSE, REELS & COUPLERS PRODUCT CATALOGUE

**Air Energy** is an Australian owned company with extensive experience in Compressed Air Equipment, Industrial pipework and fittings and has built its reputation on quality products and innovative solutions .....*"what is best for the client is best for us"* ..... since January 1996.

**Air Energy** has built its reputation on providing reliable, quality components to a wide range of industry. We value our customers and are committed to always providing the best for each clients needs.

### MISSION STATEMENT

To consistently provide our customers with an excellent product at a competitive price supported by friendly experienced advice with efficient service, responding quickly to customer needs.

To build a relationship in integrity to be the preferred supplier to all our clients. By a system of self evaluation and awareness of world market best practice build a process of continual improvement.

To always consider Health and Safety of paramount importance and to responsibly care for our environment, property and above all, persons that come within the range of our responsibility.

To build an ongoing successful business for the benefit of the staff and the community

### Sales and Customer Service:

**Head Office:** 33 Rushdale Street Knoxfield 3180  
**Phone:** 1300 99 55 26  
**Fax:** 03 9765 5655  
**Email:** sales@airenergy.com.au

<b>INDEX</b>	<b>3</b>
<b>WHS</b>	<b>2</b>
<b>About Air Energy</b>	<b>3</b>
<b>Cost of Pressure drop</b>	<b>4</b>
<b>COUPLERS</b>	
<b>CEJN®</b>	
• CEJN® Efficiency	5
• E-Safe	6
• Series 315	7
• Series 320	7
• Soft-Line Coupling Covers	8
• Series 342 Breathing Air	8
• Series 344 Breathing Air	9
• Series 410 Large Bore	9
<b>NITTO</b>	
• Hi-Cupla	10
• Hi-Cupla 200	11
• Nut Cupla	11
• Safety Lock Cupla	12
• Safety Purge Plug	12
• Safety Hi Cupla Ace	13
• PVR Cupla	14
• Super Cupla	15
Rotary Plugs, ATP Swivels	16
Multi Swivel, Zip Swivel	17
Push-In Fittings	18,19
TST Swing Couplers	20
Jamec Couplers	21
Multiple Outlets	22
<b>HOSES</b>	
Polyurethane Hose	23
Anti-spark Hose	24
Spiral Breathing & Anti-Spark Hoses	24
Spiral PU Hose	25
Nylon tube, PE tube	26
Multibore PU Hoses	27
PVC Hoses	27
<b>HOSE REELS</b>	
CEJN® Comp Air, Water	28
Recoila® Hose Reels	29
Specialist Reels	30
Macnaught® Strata Reels	31
<b>BLOW GUNS</b>	
Multiflow CEJN®	32
Series 208 CEJN®	33,34
Airboy™	35
Comparative Table, Profiles	36

## WHAT DOES PRESSURE DROP COST?

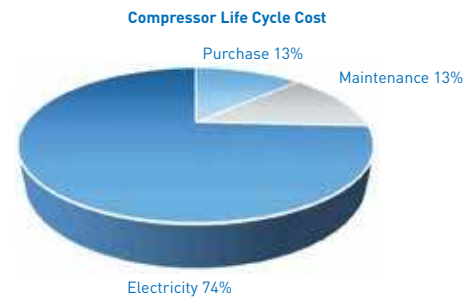
Typical Installation:

- Compressor 15 kW
- Hours 7.30 am – 5.30 pm / 5 days / 48 weeks = 2400 hours p.a.
- Cost of power – \$0.16 KWH
- → Cost to compress air = \$6,000.00 per annum
- Every 2 psi pressure drop uses 1% of connected power ie.

Brand X coupler that has 5 psi extra pressure drop = 2½% power consumption.

One coupler Brand X compared to CEJN® in use for half of each day

→ 6,000 x 2½% x 0.5 = \$75.00 per coupler per year extra



## LEAKING HOSE /CONNECTIONS COST MONEY!

This is for each leak – MULTIPLY by number of leaks = \$ Loss. For 2 shifts or 24 hour operation MULTIPLY BY 2 or 3 respectively.

HOLE SIZE	AIR LOSS @100 psi		POWER USAGE/ANNUUM ONE SHIFT IN KWH	\$ COST @ 0.16 KWH
	L/SEC	L/MIN		
• 0.4mm	0.2	12	166	\$26.56
• 0.8mm	0.8	48	665	\$106.40
• 1.6mm	2.2	192	2660	\$425.60
• 3.2mm	12.8	768	10,640	\$1,702.40
• 6.4mm	51.2	3072	42,550	\$6,808.00

## FACT OR MYTH?

- During the technical life cycle of a compressed air installation (which is approximately 10 to 15 years) the energy cost could be as much as 80% of the total cost.

**FACT!**

- The typical manufacturing plant uses approximately 30% of the total monthly electrical expense for compressing air.

**FACT!**

- A pressure drop of “1 psi” in a compressed air system can add as much as ½% to the electrical expense needed to compress the air.

**FACT!**

- A typical ¼” industrial interchange quick disconnect coupling has an inefficiency of approximately 6 up to 20 psi pressure drop at 90 psi.

**FACT!**

- CEJN® Couplings have less pressure drop & higher flows.

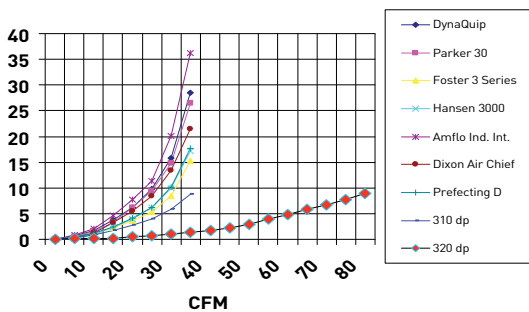
**FACT!**



**THERE IS A DIFFERENCE!**

## THERE IS A DIFFERENCE!

320 vs. Others



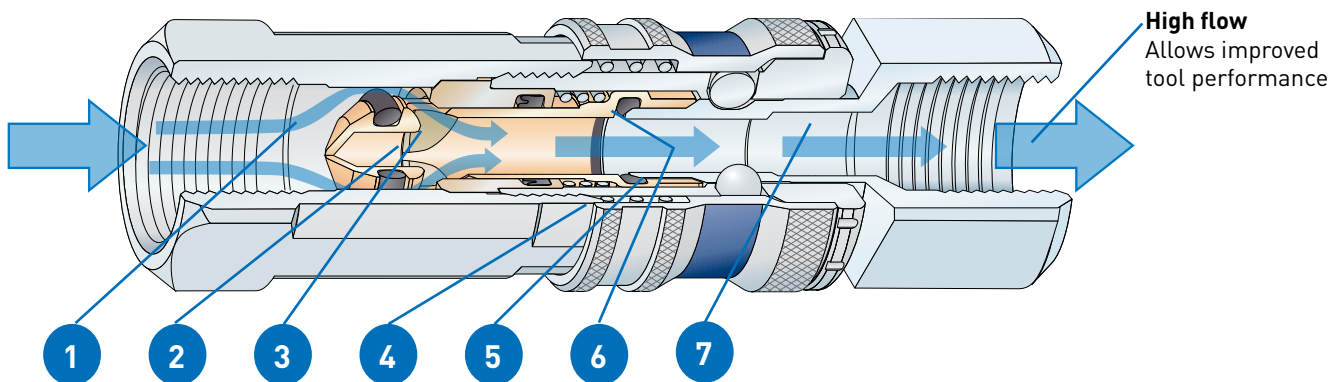
- Higher Flow Rates
- Lowest Pressure Drop
- Fewer Leaks
- Reliability
- Significant Cost Savings

### ASK US HOW!

In many installations, a **CEJN®** coupling will pay for itself in less than 3 months through electricity savings.

## THE CEJN® DIFFERENCE - HIGH EFFICIENCY

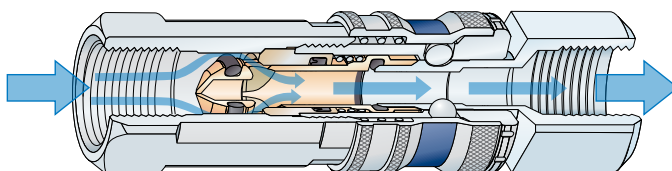
Numerous construction features make the CEJN® valve unique:



### Extremely low pressure drop

- 1. Aerodynamic, conical-shaped valve**  
Air is allowed to flow into the valve without undue turbulence, resulting in less pressure drop and higher flow.
- 2. Extra-large, aerodynamic-shaped ports**  
Air flow is enhanced, resulting in less pressure drop and higher flow.
- 3. Smooth, linear flow angles**  
Instability and drag are eliminated, resulting in less pressure drop and higher flow.
- 4. Valve spring located outside the flow path**  
A major obstruction to flow is eliminated, resulting in less pressure drop and higher flow.
- 5. Nipple goes into the valve**  
The circumference of the nipple is sealed with an O-ring inside the valve, preventing leaks due to side loads and misalignment.
- 6. Minimal pressure areas**  
Less surface area of the valve is exposed to pressure, resulting in lower connection force.
- 7. Hardened steel nipple machined to precise specifications**  
Properly opened valve and larger inside diameter result in less pressure drop and higher flow.

### CEJN® COUPLING



#### Pressure (bar/psi)

7.00 / 101.5
6.96 / 100.9
6.92 / 100.3
6.88 / 99.8
6.84 / 99.2
6.80 / 98.6
6.76 / 98.0
6.72 / 97.4
6.68 / 96.8
6.64 / 96.3
6.60 / 95.7

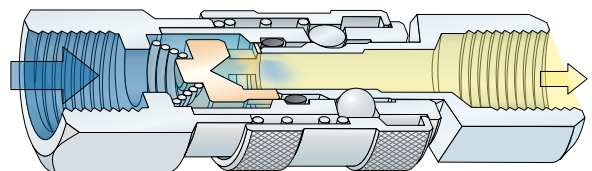
#### Inlet Pressure:

7 Bar / 101.5 psi

#### Outlet Pressure:

6.84 Bar / 99.2 psi

### BRAND X COUPLING



#### Inlet Pressure:

7 Bar / 101.5 psi

#### Outlet Pressure:

6.6 Bar / 95.7 psi

## NO MORE NEED TO CHOOSE BETWEEN PERFORMANCE AND SAFETY!

# eSafe

*The New Generation*

### eSAFE - THE NEW GENERATION COUPLING

**eSafe** is an innovative and patented safety coupling offering the highest flow combined with a low pressure drop. In addition **eSafe** has a low connecting force, compact and easy to grip design making it the natural choice when choosing a safety product with top of the line features. By purchasing **eSafe**, you're guaranteed a reliable product for years to come.

### HIGH PERFORMING COUPLING WITH SAFETY FUNCTION

Safety has been our top priority for many years and our constant strive to develop safe and high performing products finally resulted in **eSafe**. As our customer you no longer have to choose between performance and safety. **eSafe** is a one hand operated, compact, high flow coupling that vents before disconnection eliminating the risk of hose-whip keeping the operator from harm.

### PREMIUM COUPLING FOR PREMIUM PERFORMANCE.

The top of the line features offered in our **eSafe** range require real craftsmanship and is the only coupling that allows you to get maximum capacity out of your tool. The job is done quicker using less energy and the result is higher productivity, cheaper energy bills and lower environmental impact. Can you afford not to change? **eSafe** is a new generation of premium coupling for premium performance.



eSafe comply with the international standard ISO 4414 and the European standard EN 983.

- **SAFETY FUNCTION** **eSafe** vents the downstream pressure before disconnection, reducing noise and hose whip.
- **EXTREME DURABILITY** Tests have shown that **eSafe** is extremely durable against impacts, vibrations and swivelling.
- **COMPACT DESIGN** **eSafe** is the first safety coupler on the market with the dimensions of a standard coupler.
- **HIGH FLOW** **eSafe** has the highest flow on the coupling market.
- **EASY HANDLING** **eSafe** is ergonomic and one-hand operated, just slide back the sleeve and the coupling will automatically vent before disconnecting.

## SERIES 326 – Soft-Line and Stainless Steel

**eSafe** comply with the international standard ISO 4144 and the European standard EN 983



### SOFT-LINE couplings provide protection useful when working on or near delicate surfaces.

The protector is non-abrasive to surrounding components and comes in two versions:

1. Integrated is the full protection version \*1
2. Accessory can be added to existing standard couplers \*2

The Soft-Line cover protects paintwork, glass, enamel and other important surfaces from scratches and tears, that can occur when the metal of the coupling connects or drags along the surface. The Soft-Line cover prevents such damage by softening impact from the hard metal. In addition to protecting the surrounding surface the cover will also protect the coupling from impacts, which will prolong its service life.

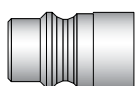
The integrated Soft-Line version is available for series 315, and 320. The coupling is fully integrated with protective covers, only minor assembly is necessary. The accessory version is a loose protection cover that can be fitted on any regular series 300, 303, 310, 315 and 320 coupling. The cover is easily assembled on the coupling at any time by using the assembly tool.

### Installation instructions for non-integrated soft covers.

1. Place the assembly tool over the front-end of the coupling.
2. Slip the Soft-Line protector onto the assembly tool.
3. Slide the Soft-Line protector up the taper and onto the coupling. A drop of soapy water can be applied to lubricate and simplify assembly. Ensure that the waist of the Soft-Line protector ends up level with the waist of the locking sleeve.



*Soft-Line accessory onto a coupler.*



## SERIES 320 - eSafe

CEJN® ORIGINAL STANDARD, EURO STANDARD 7.6 (7.4) GLOBAL



**TECHNICAL DATA**  
(320) SERIES

Nominal flow diameter:	7.5 mm [5/16"]
Air Flow:	2250 l/min (79.4 CFM)
Max. Working pressure:	16 bar (232 PSI)
Min. Bursting pressure:	140 bar (2030 PSI)
Connection force:	86 N
Temperature range:	-20°C — +100°C (4°F—+212°F)
Material coupling:	Zinc-plated steel/brass
Material nipple:	Hardened zinc-plated steel

# eSafe

The New Generation

	Connection	Coupling Part No.	Nipple Part No.
<b>Hose Connection</b>	5mm [3/16"]	*	10 320 5001
	6.3mm [1/4"]	10 320 2002	10 320 5002
	8mm [5/16"]	10 320 2003	10 320 5003
	10mm [3/8"]	10 320 2004	10 320 5004
	13mm [1/2"]	10 320 2005	10 320 5005
<b>Male Thread</b>	BSP R 1/8"	*	10 320 5151
	BSP R 1/4"	10 320 2152	10 320 5152
	BSP R 3/8"	10 320 2154	10 320 5154
	BSP R 1/2"	10 320 2155	10 320 5155
<b>Female Thread</b>	BSP G 1/8"	*	10 320 5201
	BSP G 1/4"	10 320 2202	10 320 5202
	BSP G 3/8"	10 320 2204	10 320 5204
	BSP G 1/2"	10 320 2205	10 320 5205
<b>Streamline Connection</b>	8 x 5 mm	10 320 2058	10 320 5058
	10 x 6.5 mm	10 320 2060	10 320 5060
	12 x 8 mm	10 320 2062	10 320 5062
	13.5 x 9.5 mm	10 320 2063	10 320 5063
	16 x 11 mm	10 320 2066	10 320 5066
<b>Streamline with Lock-Ring</b>	10 x 6.5 mm	10 320 2090	*
	12 x 8 mm	10 320 2082	*
	16 x 11 mm	10 320 2096	*
<b>Fem w Lock-ring</b>	BSP G 3/8"	10 320 2244	*
<b>Streamline with Soft cover</b>	13.5 x 9.5 mm	10 320 2083	*
	12 x 8 mm	10 320 2082	*
	16 x 11 mm	10 320 2085	*
	10 x 6.5 mm	10 320 2080	*
<b>Kink Protector</b>	10 x 6.5 mm	*	10 300 4010
	12 x 8 mm	*	10 300 4012





## SERIES 315 - NITTO Compatible



### TECHNICAL DATA (315) SERIES

- Nominal flow diameter: 7.5 mm
- Flow capacity - 1950 l/min (68.9 cfm)
- Airflow with inlet pressure 6 bar (87 psi), pressure drop 0.5 bar (7 psi)
- Max. working pressure: 16 bar (232 psi)
- Min. bursting pressure: 64 bar (928 psi)
- Temperature range: -20°C - +100°C
- Material: Coupling - Zinc plated brass/steel Nipple - Nickel-plated steel

	Connection	Standard Coupling Part No.	E-Safe Coupling Part No.	Nipple Part No.
Hose Connection	7mm (9/32")	10 315 1043	10 315 2002	10 315 5043
	10mm (3/8")	10 315 1004	10 315 2004	10 315 5004
	12mm (1/2")	10 315 1005	10 315 2005	10 315 5005
Male Thread	BSP R 1/4"	10 315 1152	10 315 2152	10 315 5152
	BSP R 3/8"	10 315 1154	10 315 2154	10 315 5154
	BSP R 1/2"	10 315 1155	10 315 2155	10 315 5155
Female Thread	BSP G 1/4"	10 315 1102	10 315 2102	10 315 5102
	BSP G 3/8"	10 315 1104	10 315 2104	10 315 5104
	BSP G 1/2"	10 315 1105	10 315 2105	10 315 5105
Streamline Connection	8 x 5 mm	10 315 1058	10 315 2058	10 315 5058
	10 x 6.5 mm	10 315 1060	10 315 2060	10 315 5060
	12 x 8 mm	10 315 1062	10 315 2062	10 315 5062
	16 x 11 mm	10 315 1066	10 315 2066	10 315 5066
Kink Protector	10 x 6.5 mm	*	*	10 300 4010
	12 x 8 mm	*	*	10 300 4012



## BREATHING AIR COUPLINGS SERIES 342

35 BAR (508 PSI) 1950 L/MIN (69 CFM)



### TECHNICAL DATA

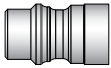
- Nominal flow diameter: 7.4 mm
- Flow capacity -1950 l/min (69 cfm)
- Airflow with inlet pressure 6 bar (87 psi), pressure drop 0.5 bar (7 psi)
- Max. working pressure: 35 bar (508 psi)
- Min. bursting pressure: 140 bar (2030 psi)
- Temperature range: -30°C - +100°C
- Material: Coupling - Nickel-plated brass/steel Lock Ring Nipple - Zinc-plated steel hardened steel

	Connection	Coupling Part No.	Nipple Part No.
Hose Connection	6.3 mm (1/4")	103421002	103425002
	8 mm (5/16")	103421003	103425003
	10 mm (3/8")	103421004	103425004
	13 mm (1/2")	103421005	103425005
Male Thread	BSP 1/4"	103421152	103425152
	BSP 3/8"	103421154	103425154
	BSP 1/2"	103421155	103425155
Female Thread	BSP 1/4"	103421202	103425202
	BSP 3/8"	103421204	103425204
	BSP 1/2"	103421205	103425205
Streamline Connection	10 x 6.5 mm	103421060	103425060
	12 x 8 mm	103421062	103425062



A hardened steel locking sleeve and nipple make Series 342 well-suited for breathing air applications in demanding industrial environments. Its special valve design provides an extremely high rate of airflow. Like most CEJN® breathing air couplings, Series 342 offers one-hand-operated connection, an integrated safety feature that guards against unintentional disconnection, a grip-friendly locking sleeve, and a broad connection range.

**Couplings:** Compatible with Series 341 and 346 nipples  
**Nipples:** Compatible with Series 341, 344, 345 and 346 couplings



## BREATHING AIR COUPLINGS SERIES 344

35 BAR (508 PSI) 1950 L/MIN (69 CFM)



	Connection	Coupling Part No.	Nipple Part No.
<b>Hose Connection</b>	6.3 mm [1/4"]	103441002	103445020 S/S
	7 mm [9/32"]	103441003	103445022 S/S
	10 mm [3/8"]	103441004	103445004 S/S
<b>Male Thread</b>	BSP 1/4"	103441152	103445252
	BSP 3/8"	103441154	103445254
	BSP 1/2"	103441155	
<b>Female Thread</b>	BSP 1/4"	103441202	103445202
	BSP 3/8"	103441204	103445204

### TECHNICAL DATA

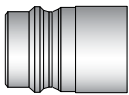
- Nominal flow diameter: 7.4 mm
- Airflow with inlet pressure 6 bar (87 psi), pressure drop 0.5 bar (7 psi) - 1950 l/min (69 cfm)
- Max. working pressure: 35 bar (508 psi)
- Min. bursting pressure: 140 bar (2030 psi)
- Temperature range: -30°C - +100°C
- Material: Coupling - Nickel-plated brass



Series 344 is specially designed for applications with low-weight requirements. The shorter design of the coupling gives it a significantly lower weight than other couplings with the same performance. Series 344 is recommended primarily for breathing air fire fighting applications, but is also well suited for diving equipment. Its specially designed valve provides an extremely high rate of airflow. Like most other CEJN® breathing air couplings, this series offers one-hand operated connection, an integrated safety feature that guards against unintentional disconnection, a grip-friendly locking sleeve, and a broad connection range.

**Couplings:** Compatible with Series 341, 342 & 346 nipples

**Nipples:** Not compatible with other series for breathing air applications



## LARGE BORE COUPLINGS SERIES 410

16 BAR (232 PSI) 3900 L/MIN (137.7 CFM)



	Connection	Coupling Part No.	Nipple Part No.
<b>Hose Connection</b>	8 mm [5/16"]	104101003	104105003
	10 mm [3/8"]	104101004	104105004
	13 mm [1/2"]	104101005	104105005
	16 mm [5/8"]	104101006	104105006
	19 mm [3/4"]	104101007	104105007
<b>Male Thread</b>	3/8" BSP	104101154	104105154
	1/2" BSP	104101155	104105155
	3/4" BSP	104101157	104105157
<b>Female Thread</b>	3/8" BSP	104101204	104105204
	1/2" BSP	104101205	104105205
	3/4" BSP	104101207	104105207
<b>Stream-line Connection</b>	16 x 11 mm	104101066	104105066

### TECHNICAL DATA

- Nominal flow diameter: 10.4 mm
- Airflow with inlet pressure 6 bar (87 psi), pressure drop 0.5 bar (7 psi) - 3900 l/min (137.7 cfm)
- Max. working pressure: 16 bar (232 psi)
- Min. bursting pressure: 140 bar (2030 psi)
- Temperature range: -20°C - +100°C
- Material: Coupling - Nickel-plated brass/steel Nipple - Zinc-plated steel



### SAFETY NIPPLE WITH ANTI-HOSE WHIP

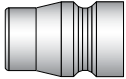
	Connection	Coupling Part No.	Nipple Part No.
<b>Hose Connection</b>	10 mm 3/8"	-	104108004
	13 mm 1/2"	-	104108005
	16 mm 5/8"	-	104108006
	19 mm 3/4"	-	104108007

Series 410, a larger version of Series 320, has become somewhat of a European standard. Requiring one hand for operation, these couplings have a low-connection force and extremely high-flow capacity. Durable and insensitive to vibrations, the series is available with a wide range of connections, including Stream-Line connections and safety nipples with recoil damping. The nipples also are available in a brass version (Series 411).

**NITTO CLAIM TO BE THE WORLD'S LEADING MANUFACTURER WITH 3000 SERIES OF COUPLERS, TOO MANY TO LIST HERE, BUT IF YOU HAVE A SPECIAL APPLICATION, AIR ENERGY CAN ADVISE THE BEST SOLUTION.**

THE ORIGINAL STANDARD NITTO CUPLA WOULD PROBABLY BE THE MOST SUCCESSFUL AND MOST COPIED DESIGN IN THE WORLD.

If as they say  
"imitation is  
the greatest  
form of  
flattery" then  
Nitto have it!



## HI-CUPLA STANDARD

**GENUINE**



### SPECIFICATIONS

**Body Material**

**Size**

**Working pressure**

**Maximum Pressure**

**Seal Material**

**Working Temperature**

Chrome plated steel, brass, SS  
1/4", 3/8", 1/2", 1/2" (large), 3/4", 1"  
215 psi, 1.5 MPa (15 kg/cm<sup>2</sup>)  
285 psi, 2.0 MPa (20 kg/cm<sup>2</sup>)  
NBR (Nitrile butadiene rubber)  
-20°C to 80°C

With excellent durability and application characteristics, handles a wide range of tasks. A high quality air coupler with a long proven history of service.

- One-way automatic shut-off in the socket
- Wide variety of sizes gives best choice suited to application
- Hardened important parts are extremely wear resistant and durable
- Tested 100,000 times, coupler connection is accurate and reliable



PM plug x Male thread

Model	Size
20PM	1/4" BSP
30PM	3/8" BSP
40PM	1/2" BSP
400PM	1/2" BSP
600PM	3/4" BSP
800PM	1" BSP



PF plug x Female thread

Model	Size
20PF	1/4" BSP
30PF	3/8" BSP
40PF	1/2" BSP
400PF	1/2" BSP
600PF	3/4" BSP
800PF	1" BSP



PH plug x hose

Model	Size
20PH	8 mm
30PH	10 mm
40PH	12 mm
400PH	12 mm
600PH	20 mm
800PH	25 mm



SM socket x Male thread

Model	Size
20SM	1/4" BSP
30SM	3/8" BSP
40SM	1/2" BSP
400SM	1/2" BSP
600SM	3/4" BSP
800SM	1" BSP



SF socket x Female thread

Model	Size
20SF	1/4" BSP
30SF	3/8" BSP
40SF	1/2" BSP
400SF	1/2" BSP
600SF	3/4" BSP
800SF	1" BSP



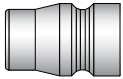
SH socket x hose

Model	Size
20SH	8 mm
30SH	10 mm
40SH	12 mm
400SH	12 mm
600SH	20 mm
800SH	25 mm



Typical 600 Series

- The 20, 30 & 40 sizes are interchangeable with each other.
- Standard is Chrome plated steel; brass or stainless steel are special order, add -B or -SS after Part No.
- The 20PFF parallel thread has a captive O-ring seal and is specifically designed for use on spray guns.
- The 400, 600 & 800 sizes are interchangeable with each other.



## HI-CUPLA 200

GENUINE



### SPECIFICATIONS

<b>Body Material</b>	Chrome plated steel
<b>Size</b>	1/4", 3/8", 1/2"
<b>Working pressure</b>	145 psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	215 psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-5°C to +60°C

- **ONE-TOUCH CONNECTION**—Improved handling and operation. Simply push the plug into the socket, no ring to manually slide back. Secure connection is made. Easy to connect/disconnect in narrow or confined places. Quick connection saves time and improves efficiency.
- **LARGE FLOW RATE**—Adopted with a valve design which allows greater fluid flow.
- **FREE SWIVELLING**—eliminates hose kinking
- **HARDENED** important parts are extremely wear resistant and durable



PM plug x Male thread

Model	Size
20PM	1/4" BSP
30PM	3/8" BSP
40PM	1/2" BSP



PF plug x Female thread

Model	Size
20PF	1/4" BSP
30PF	3/8" BSP
40PF	1/2" BSP



PH plug x hose

Model	Size
20PH	8 mm
30PH	10 mm
40PH	12 mm



200-SM socket x Male thread

Model	Size
200-20SM	1/4" BSP
200-30SM	3/8" BSP
200-40SM	1/2" BSP



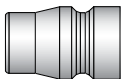
200-SF socket x Female thread

Model	Size
200-20SF	1/4" BSP
200-30SF	3/8" BSP
200-40SF	1/2" BSP



200-SH socket x hose

Model	Size
200-20SH	8 mm
200-30SH	10 mm
200-40SH	12 mm



## NUT CUPLA

GENUINE



### SPECIFICATIONS

<b>Body Material</b>	Chrome plated steel, brass
<b>Size</b>	To suit urethane hose
<b>Working pressure</b>	145 psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	215 psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-5°C to +60°C

#### All the features of the 200 series

- One touch connection for ease of use and improved efficiency
- Low pressure loss valve gives higher flow rates
- PLUS
- Option of spring nut to prevent hose kinking



200-65SN 65PN

PN plug x polyurethane hose

Model	Size
50PN	Ø 8 x 5 mm
65PN	Ø 10 x 6.5 mm
85PN	Ø 12.5 x 8.5mm
110PN	Ø 16 x 11 mm
65PNG	Ø 10 x 6.5 mm
85PNG	Ø 12.5 x 8.5 mm



200-85SNG 85PNG

200-SN socket x polyurethane hose

Model	Size
200-50SN	Ø 8 x 5 mm
200-65SN	Ø 10 x 6.5 mm
200-85SN	Ø 12.5 x 8.5mm
200-110SN	Ø 16 x 11 mm
200-65SNG	Ø 10 x 6.5 mm
200-85SNG	Ø 12.5 x 8.5 mm



## SAFETY LOCK CUPLA

GENUINE



### SPECIFICATIONS

<b>Body Material</b>	Chrome plated steel
<b>Size</b>	1/4", 3/8", 1/2", urethane hose 8 x 5 mm, 10 x 6.5 mm, 12.5 x 8.5 mm
<b>Working pressure</b>	145 psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	215 psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-5°C to +60°C

One touch for smooth connection.

Lock mechanism for safety.

- Lock mechanism prevents unexpected disconnection for greater WHS peace of mind
- One handed push connection for ease of handling and improved workplace efficiency
- Ball bearing type swivel mechanism reduces operator effort and prevents hose twisting (SNRG model)



SM socket x Male thread

Model	Size
L200-20SM	1/4" BSP
L200-30SM	3/8" BSP
L200-40SM	1/2" BSP



SF Socket x Female thread

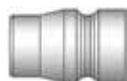
Model	Size
L200-20SF	1/4" BSP
L200-30SF	3/8" BSP
L200-40SF	1/2" BSP



SH socket x hose barb

Model	Size
L200-20SH	Ø 8mm
L200-30SH	Ø 10mm
L200-40SH	Ø 12mm
L200-65SNRG	Ø 10 X 6.5mm
L200-85SNRG	Ø 12.5 x 8.5mm

L200-65SNRG



## SAFETY PURGE PLUG

GENUINE



### SPECIFICATIONS

<b>Body Material</b>	Chrome plated steel
<b>Size</b>	1/4", 3/8", 1/2" hose
<b>Working pressure</b>	145 psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	215 psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-5°C to +60°C

Purge mechanism for releasing stored pressure in hoses– anti whip protection

- Any remaining pressurised air inside a hose is gradually released on disconnection of the coupler
- Protects against excessive noise danger
- Protects from whip lash effect from sudden discharge of stored pressure
- Original simple purge structure is very durable
- Can be used with reliability even with high pressures or long lengths of hose



PV Plug x Hose

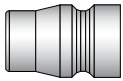
Model	Size
PV-20PH	Ø 8mm
PV-30PH	Ø 10mm
PV-40PH	Ø 12mm
PV-65PN	Ø 10 X 6.5mm
PV-85PN	Ø 12.5 x 8.5mm

Conventional disconnection



Disconnection with Purge Plug





# SAFETY HI CUPLA ACE

**GENUINE**



## SPECIFICATIONS

### Body Material Size

Engineering plastics—PBT, POM  
1/4", 3/8" hose plugs & sockets 1/4",  
3/8" Male BSP plugs & sockets  
8 x 5, 10 x 6.5, 12.5 x 8.5 mm urethane  
hose plugs & sockets

### Working pressure Maximum Pressure

215psi, 1.5 MPa (15 kg/cm<sup>2</sup>)  
285 psi, 2.0 MPa (20 kg/cm<sup>2</sup>)

### Flow rate

2.93m<sup>3</sup>/min (103 cfm)

### Seal Material

NBR (Nitrile butadiene rubber)

### Working Temperature

-5°C to +60°C

*Not suitable for vacuum*

## Plastic Cuplas with built-in locking mechanism

### Pressure ratings similar to steel cuplas

- Made from engineering grade plastics with excellent strength and impact resistance
- Due to the lightweight plastic body, there is little risk of damage from accidental contact in for example an automobile workshop
- The built-in locking sleeve prevents accidental disconnection
- Simple one-touch operation
- Bi-directional fluid flow compatible
- Suitable for Compressed air, water and inert gases
- Interchangeable with all the Nitto Hi-Cupla range



SM socket x Male thread

Model	Size
HA-20SM	1/4" BSP
HA-30SM	3/8" BSP



SNG socket x urethane hose

Model	Size
HA-50SNG	Ø 8 x 5 mm
HA-65SNG	Ø 10 x 6.5 mm
HA-85SNG	Ø 12 x 8 mm



SH socket x hose

Model	Size
HA-20SH	8 mm
HA-30SH	10 mm



PM plug x Male thread

Model	Size
20PM-PLA	1/4" BSP
30PM-PLA	3/8" BSP



PNG plug x urethane hose

Model	Size
50PNG-PLA	Ø 8 x 5 mm
65PNG-PLA	Ø 10 x 6.5 mm
85PNG-PLA	Ø 12 x 8 mm



PH plug x hose

Model	Size
20PH-PLA	8 mm (1/4")
30PH-PLA	10 mm (3/8")



PFF plug x Female thread

Model	Size
20PFF-PLA	1/4" BSP



HA-T twin socket x plug

Model	Size
HA-T	20P-PLA / HA65S x 2

## Twist yellow collar to lock/unlock



**Flow in either direction when connected**





# PVR CUPLA

GENUINE



## SPECIFICATIONS

<b>Body Material</b>	Zinc Diecast brass, other
<b>Size</b>	1/2", 3/4", 1" sockets Male, Female and hose
<b>Working pressure</b>	215psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	285 psi, 2.0 MPa (20 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-20°C to +60°C
<i>Not suitable for vacuum</i>	

The PVR Cupla is designed to provide a top quality cupla for large diameter hoses with a purge function to eliminate stored energy in larger 1/2", 3/4" and 1" hoses, and a sleeve lock for safe WHS operation.

- Easy connection and regardless of existing pressure
- Disconnection with no residual pressure reduces sound hazard and eliminates hose whiplash
- Easy one-hand operation
- Incorporates purge function for safety
- Integral sleeve lock mechanism prevents accidental disconnection
- Full flow valve system gives increased flow rate—about 20% more than equivalent 400 SM



PVR-SM socket x Male thread

Model	Size
PVR-400SM	1/2" BSP
PVR-600SM	3/4" BSP
PVR-800SM	1" BSP



PVR-SF socket x Female thread

Model	Size
PVR-400SF	1/2" BSP
PVR-600SF	3/4" BSP
PVR-800SF	1" BSP



PVR-SH socket x hose

Model	Size
PVR-400SH	1/2" BSP
PVR-600SH	3/4" BSP
PVR-800SH	1" BSP



PM plug x Male thread

Model	Size
400PM	1/2" BSP
600PM	3/4" BSP
800PM	1" BSP



PF plug x Female thread

Model	Size
400PF	1/2" BSP
600PF	3/4" BSP
800PF	1" BSP



PH plug x hose

Model	Size
400PH	12 mm
600PH	20 mm
800PH	25 mm



## SUPER CUPLA

GENUINE



### SPECIFICATIONS

#### Body Material

#### Size

#### Working pressure

#### Maximum Pressure

#### Seal Material

#### Working Temperature

Not suitable for vacuum

Chrome plated steel, Aluminium, Nickel plated brass  
1/8", 1/4" Male, Female, hose, polyurethane and push-in tubing  
145psi, 1.0 MPa (10 kg/cm<sup>2</sup>)  
215 psi, 1.5 MPa (15 kg/cm<sup>2</sup>)  
NBR (Nitrile butadiene rubber) Optional FKM for higher temp  
-20°C to +80°C

We can offer a huge range of specialist couplers, too many to list here, but the Super coupler is a very good model in the mini sized series.

- Lightweight design, partly aluminium construction
- Easy one-hand one-touch operation
- Suitable for flow in both directions when connected

## COUPLERS

Model	Size	Style
02SM	1/4" BSP	male



Model	Size	Style
02SF	1/4" BSP	Female



Model	Size	Style
02SH	1/4"	hose



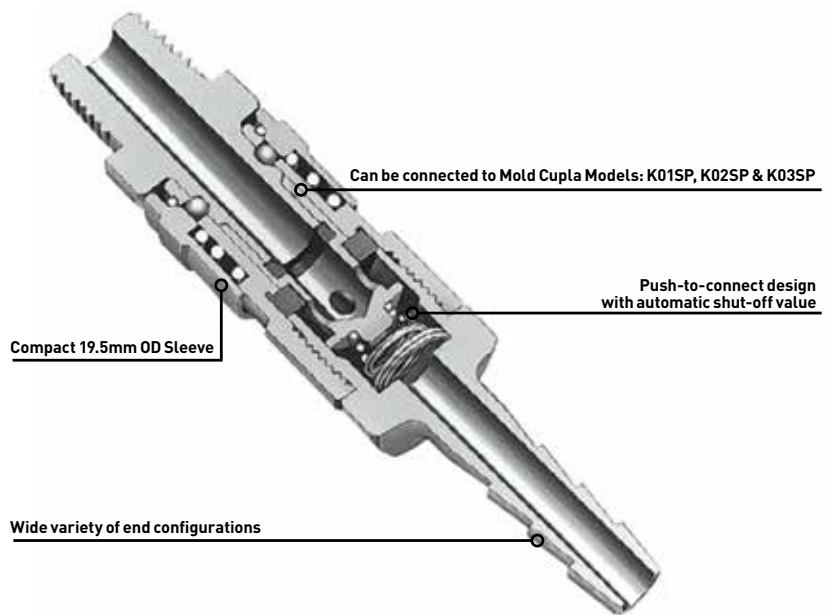
Model	Size	Style
01SN	Ø 8 x 5 mm	Polyurethane hose
02SN	Ø 10 x 6.5 mm	Polyurethane hose



Model	Size	Style
02SC-6	Ø 6 mm	Straight Push-in tube
02SC-8	Ø 8 mm	Straight Push-in tube



Model	Size	Style
02SCL-6	Ø 6 mm	Elbow Push-in tube
02SCL-8	Ø 8 mm	Elbow Push-in tube



## PLUGS

Model	Size	Style
01PM	1/8" BSP	male
02PM	1/4" BSP	male



Model	Size	Style
02PFF	1/4" BSP	Female parallel



Model	Size	Style
02PH	1/4"	hose



Model	Size	Style
01PN	Ø 8 x 5 mm	Polyurethane hose
02PN	Ø 10 x 6.5 mm	Polyurethane hose

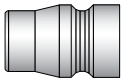


Model	Size	Style
02PC-6	Ø 6 mm	Straight Push-in tube
02PC-8	Ø 8 mm	Straight Push-in tube



Model	Size	Style
02PCL-6	Ø 6 mm	Elbow Push-in tube
02PCL-8	Ø 8 mm	Elbow Push-in tube





## ROTARY PLUG

GENUINE



### SPECIFICATIONS

<b>Body Material</b>	Nickel plated steel
<b>Size</b>	1/4", 3/8", Male, Female
<b>Working pressure</b>	215psi, 1.5 MPa (15 kg/cm <sup>2</sup> )
<b>Maximum Pressure</b>	285 psi, 2.0 MPa (20 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	-5°C to +60°C
Not suitable for vacuum	

The Rotary plug is one of a small number of connectors designed to reduce RSI (repetitive Strain Injuries) by allowing the hose connection to any tool to freely rotate improving productivity and reducing claims.

- Swivel allows 360° rotation
- The 45° angle encourages the hose to take the path of least resistance
- Compact and lightweight
- Dust proof for greater durability



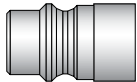
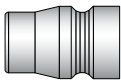
PM plug x Male thread

Model	Size
RL20PM	1/4" BSP
RL30PM	3/8" BSP



PFF plug x Female thread

Model	Size
RL20PFF	1/4" BSP



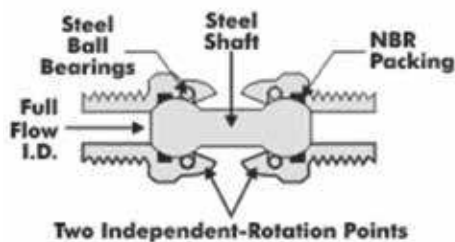
## ATP SWIVELS

### SPECIFICATIONS

<b>Body Material</b>	Chrome plated steel
<b>Size</b>	1/4", 3/8" Male, Female BSP
<b>Working pressure</b>	145psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	0°C to +60°C

This unique fitting design was developed primarily for air tools in assembly line applications. Operators of these tools run an increased risk of cumulative trauma disorders (CTD's) due to repetitive motion, vibration and pressure from the weight of the tool and supply hose. The newly-designed steel cover protects the rotating joint better than the original polyurethane cover.

- 360° circular rotation
- 45° angled rotation
- Lightweight streamlined design protects against accidental damage
- 2 rotation points gives enhanced flexibility
- Nickel/chrome plated steel dust cover



Nitto profile plug x Male thread

Model	Size
NFAP-2M-N	1/4" BSP



CEJN® 320 profile plug x Male thread

Model	Size
NFAP-2M-C320	1/4" BSP



BSP Male x Female thread

Model	Size
NFA2F-2M	1/4" BSP M & F
NFA3F-3M	3/8" BSP M & F
NFA3F-3F	3/8" BSP F & F

## MULTI SWIVEL

*Atlas Copco*

### SPECIFICATIONS

<b>Body Material</b>	Aluminium
<b>Size</b>	1/4", 3/8", 1" Male, Female
<b>Working pressure</b>	145psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	0°C to +60°C

The MultiFlex swivel is arguably the smoothest engineered swivel adaptor available. It is an ingenious multi-directional connector made from lightweight machining grade aluminium. Connect your tool and the hose will stay in the ideal position however much you and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight. It takes the effort out of working in those cramped spaces and the hose feels almost weightless. It also reduces hose wear.



BSP Male x Female thread

Model	Size
8202 1350 18	1/8" BSP M & F
8202 1350 20	1/4" BSP M & F
8202 1350 23	3/8" BSP M & F
8202 1350 24	1/2" BSP M & F



## ZIP SWIVEL

### SPECIFICATIONS

<b>Body Material</b>	Aluminium & Nickel plated steel
<b>Size</b>	1/4" Male & Female
<b>Working pressure</b>	145psi, 1.0 MPa (10 kg/cm <sup>2</sup> )
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)
<b>Working Temperature</b>	0°C to +60°C

An economical lightweight and compact aluminium swivel. Nickel plated Male thread

BSP Male x Female thread

Model	Size
ZS08	1/4" BSP M & F



# PUSH IN FITTINGS

## PC STRAIGHT Male ADAPTORS



Part No.	Tube	Thread
PC04M5	4mm	M5
PC04M6	4mm	M6
PC0401	4mm	1/8"
PC0402	4mm	1/4"
PC0403	4mm	3/8"
PC06M5	6mm	M5
PC06M6	6mm	M6

Part No.	Tube	Thread
PC0601	6mm	1/8"
PC0602	6mm	1/4"
PC0603	6mm	3/8"
PC0604	6mm	1/2"
PC0801	8mm	1/8"
PC0802	8mm	1/4"
PC0803	8mm	3/8"

Part No.	Tube	Thread
PC0804	8mm	1/2"
PC1001	10mm	1/8"
PC1002	10mm	1/4"
PC1003	10mm	3/8"
PC1004	10mm	1/2"
PC1201	12mm	1/8"
PC1202	12mm	1/4"

Part No.	Tube	Thread
PC1203	12mm	3/8"
PC1204	12mm	1/2"
PC1403	14mm	3/8"
PC1404	14mm	1/2"
PC1603	16mm	3/8"
PC1604	16mm	1/2"

## PCF STRAIGHT Female ADAPTORS



Part No.	Tube	Thread
PCF04M5	4mm	M5
PCF04M6	4mm	M6
PCF0401	4mm	1/8"
PCF0402	4mm	1/4"
PCF06M5	6mm	M5

Part No.	Tube	Thread
PCF06M6	6mm	M6
PCF0601	6mm	1/8"
PCF0602	6mm	1/4"
PCF0603	6mm	3/8"
PCF0801	8mm	1/8"

Part No.	Tube	Thread
PCF0802	8mm	1/4"
PCF0803	8mm	3/8"
PCF0804	8mm	1/2"
PCF1001	10mm	1/8"
PCF1002	10mm	1/4"

Part No.	Tube	Thread
PCF1003	10mm	3/8"
PCF1004	10mm	1/2"
PCF1202	12mm	1/4"
PCF1203	12mm	3/8"
PCF1204	12mm	1/2"

## PL MALE ELBOW WITH SWIVEL ROTATION



Part No.	Tube	Thread
PL04M5	4mm	M5
PL04M6	4mm	M6
PL0401	4mm	1/8"
PL0402	4mm	1/4"
PL0403	4mm	3/8"
PL06M5	6mm	M5
PL06M6	6mm	M6
PL0601	6mm	1/8"
PL0602	6mm	1/4"
PL0603	6mm	3/8"
PL0604	6mm	1/2"
PL0801	8mm	1/8"
PL0802	8mm	1/4"
PL0803	8mm	3/8"
PL0804	8mm	1/2"
PL1001	10mm	1/8"
PL1002	10mm	1/4"
PL1003	10mm	3/8"
PL1004	10mm	1/2"
PL1201	12mm	1/8"
PL1202	12mm	1/4"
PL1203	12mm	3/8"
PL1204	12mm	1/2"
PL1403	14mm	3/8"
PL1404	14mm	1/2"
PL1603	16mm	3/8"
PL1604	16mm	1/2"

Part No.	Tube	Thread
PL0601	6mm	1/8"
PL0602	6mm	1/4"
PL0603	6mm	3/8"
PL0604	6mm	1/2"
PL0801	8mm	1/8"
PL0802	8mm	1/4"
PL0803	8mm	3/8"
PL0804	8mm	1/2"
PL1001	10mm	1/8"
PL1002	10mm	1/4"
PL1003	10mm	3/8"
PL1004	10mm	1/2"
PL1201	12mm	1/8"
PL1202	12mm	1/4"
PL1203	12mm	3/8"
PL1204	12mm	1/2"
PL1403	14mm	3/8"
PL1404	14mm	1/2"
PL1603	16mm	3/8"
PL1604	16mm	1/2"

Part No.	Tube	Thread
PL0804	8mm	1/2"
PL1001	10mm	1/8"
PL1002	10mm	1/4"
PL1003	10mm	3/8"
PL1004	10mm	1/2"
PL1201	12mm	1/8"
PL1202	12mm	1/4"
PL1203	12mm	3/8"
PL1204	12mm	1/2"
PL1403	14mm	3/8"
PL1404	14mm	1/2"
PL1603	16mm	3/8"
PL1604	16mm	1/2"

Part No.	Tube	Thread
PL1203	12mm	3/8"
PL1204	12mm	1/2"
PL1403	14mm	3/8"
PL1404	14mm	1/2"
PL1603	16mm	3/8"
PL1604	16mm	1/2"

## PT MALE BRANCH TEE WITH SWIVEL ROTATION



Part No.	Tube	Thread
PT04M5	4mm	M5
PT04M6	4mm	M6
PT0401	4mm	1/8"
PT0402	4mm	1/4"
PT0403	4mm	3/8"
PT06M5	6mm	M5
PT06M6	6mm	M6

Part No.	Tube	Thread
PT0601	6mm	1/8"
PT0602	6mm	1/4"
PT0603	6mm	3/8"
PT0604	6mm	1/2"
PT0801	8mm	1/8"
PT0802	8mm	1/4"
PT0803	8mm	3/8"

Part No.	Tube	Thread
PT0804	8mm	1/2"
PT1001	10mm	1/8"
PT1002	10mm	1/4"
PT1003	10mm	3/8"
PT1004	10mm	1/2"
PT1201	12mm	1/8"
PT1202	12mm	1/4"

Part No.	Tube	Thread
PT1203	12mm	3/8"
PT1204	12mm	1/2"
PT1603	16mm	3/8"
PT1604	16mm	1/2"

## PWT MALE Y WITH SWIVEL ROTATION



Part No.	Tube	Thread
PWT04M5	4mm	M5
PWT04M6	4mm	M6
PWT0401	4mm	1/8"
PWT0402	4mm	1/4"
PWT06M5	6mm	M5

Part No.	Tube	Thread
PWT06M6	6mm	M6
PWT0601	6mm	1/8"
PWT0602	6mm	1/4"
PWT0603	6mm	3/8"
PWT0801	8mm	1/8"

Part No.	Tube	Thread
PWT0802	8mm	1/4"
PWT0803	8mm	3/8"
PWT0804	8mm	1/2"
PWT1001	10mm	1/8"
PWT1002	10mm	1/4"

Part No.	Tube	Thread
PWT1003	10mm	3/8"
PWT1004	10mm	1/2"
PWT1202	12mm	1/4"
PWT1203	12mm	3/8"
PWT1204	12mm	1/2"

## PY EQUAL Y



Part No.	Tube OD
PY04	4mm
PY06	6mm
PY08	8mm
PY10	10mm
PY12	12mm



## PCP NITTO PLUG X TUBE

Part No.	Tube OD
PCP04	4mm
PCP06	6mm
PCP08	8mm
PCP10	10mm
PCP12	12mm
PCP16	16mm

## PUSH IN FITTINGS

### PUC STRAIGHT UNION



Part No.	Tube
PUC04	4mm
PUC06	6mm
PUC08	8mm
PUC10	10mm
PUC12	12mm
PUC14	14mm
PUC16	16mm



### PUL UNION ELBOW

Part No.	Tube
PUL04	4mm
PUL06	6mm
PUL08	8mm
PUL10	10mm
PUL12	12mm
PUL14	14mm
PUL16	16mm

### FITTINGS RATED FOR

Pressure	≤ 9.9 bar ≤ 151 psi
Temperature	0-60°C

### PUT EQUAL TEE



Part No.	Tube
PUT04	4mm
PUT06	6mm
PUT08	8mm
PUT10	10mm
PUT12	12mm
PUT14	14mm
PUT16	16mm



### PG REDUCING UNION

Part No.	Tube OD	Tube Od
PG0604	6mm	4mm
PG0804	8mm	4mm
PG0806	8mm	6mm
PG1006	10mm	6mm
PG1008	10mm	8mm

Part No.	Tube OD	Tube Od
PG1208	12mm	8mm
PG1210	12mm	10mm
PG1412	14mm	12mm
PG1612	16mm	12mm

### PP PLUG



Part No.	Tube
PP04	4mm
PP06	6mm
PP08	8mm
PP10	10mm
PP12	12mm
PP16	16mm



### PGJ PUSH IN REDUCER

Part No.	Male	Tube
PGJ0604	6mm	4mm
PGJ0804	8mm	4mm
PGJ0806	8mm	6mm
PGJ1006	10mm	6mm
PGJ1008	10mm	8mm

Part No.	Male	Tube
PGJ1206	12mm	6mm
PGJ1208	12mm	8mm
PGJ1210	12mm	10mm
PGJ1612	16mm	12mm

### PIG FITTING UNION



Part No.	OD 1	OD2
PIG0604	6mm	4mm
PIG0804	8mm	4mm
PIG0806	8mm	6mm
PIG1006	10mm	6mm
PIG1008	10mm	8mm
PIG1206	12mm	6mm
PIG1208	12mm	8mm
PIG1210	12mm	10mm
PIG1612	16mm	12mm

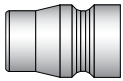


### PMF BULKHEAD Female ADAPTOR

Part No.	Tube	Thread
PMF04-01	4mm	1/8"
PMF04-02	4mm	1/4"
PMF04-03	4mm	3/8"
PMF06-01	6mm	1/8"
PMF06-02	6mm	1/4"
PMF06-03	6mm	1/2"
PMF08-01	8mm	1/8"
PMF08-02	8mm	1/4"
PMF08-03	8mm	3/8"

Part No.	Tube	Thread
PMF08-04	8mm	1/2"
PMF10-01	10mm	1/8"
PMF10-02	10mm	1/4"
PMF10-03	10mm	3/8"
PMF10-04	10mm	1/2"
PMF12-01	12mm	1/8"
PMF12-02	12mm	1/4"
PMF12-03	12mm	3/8"
PMF12-04	12mm	1/2"

THERE ARE TOO MANY SPECIALIST FITTINGS TO BE ABLE TO BE INCLUDED HERE, ASK OUR SALES TEAM FOR DETAILS



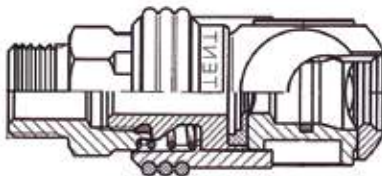
## TST SWING COUPLINGS

### SPECIFICATIONS

<b>Body Material</b>	Nickel plated steel, tenifer treated steel, stainless steel
<b>Size</b>	1/4", 3/8", 1/2" Male, Female: 10 x 6.5, 12 x 8, 16 x 11 PU hose
<b>Working pressure</b>	200psi, 15 bar. Vacuum 3" Hg (100 mbar)
<b>Maximum Pressure</b>	360 psi, 25 bar
<b>Seal Material</b>	Standard—NBR (Nitrile butadiene rubber) Optional—Fluorine elastomer, EPDM
<b>Working Temperature</b>	-20°C to +100°C higher with optional seals

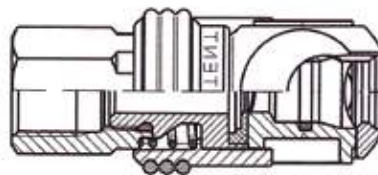
This unique concept is based on the simple but effective style of a ball valve to provide full flow when in the open position, to guard against accidental disconnection, and to discharge downstream pressure before disconnection.

- Full flow when connected
- Negligible pressure drop saves huge amount of energy and \$
- Compact design
- Robust construction
- Meets Safety Standards ISO 4414, EN 983
- Automatically vents downstream pressure before disconnection



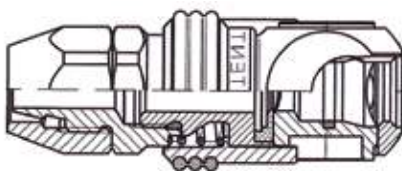
Socket x Male thread

Model	Size
20500053	1/4" BSP
20500021	3/8" BSP
20500022	1/2" BSP



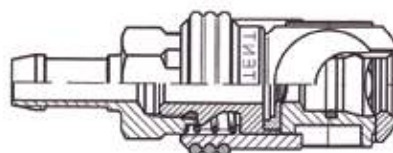
Socket x Female thread

Model	Size
20500018	1/4" BSP
20500019	3/8" BSP
20500020	1/2" BSP



Socket x Polyurethane hose

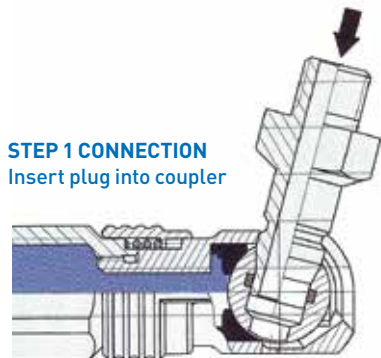
Model	Size
20500057	Ø 10 x 6.5 mm
20500058	Ø 12 x 8 mm
20500059	Ø 16 x 11 mm



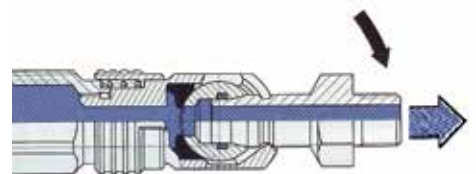
Socket x hose

Model	Size
20500054	8 mm, 5/16"
20500055	10 mm, 3/8"
20500056	13 mm, 1/2"

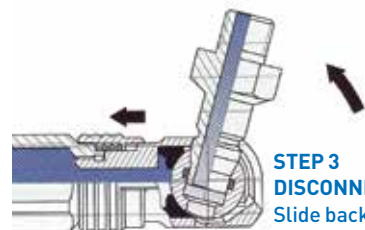
**STEP 1 CONNECTION**  
Insert plug into coupler

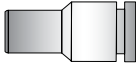


**STEP 2**  
Rotate plug to inline position for full flow



**STEP 3 DISCONNECTION**  
Slide back lock sleeve, rotate plug to disconnect Residual downstream pressure is released before disconnection





## JAMEC PEM 310 SERIES

### SPECIFICATIONS

<b>Body Material</b>	Brass, zinc plated steel
<b>Size</b>	1/4", 3/8", 1/2" Male, Female
<b>Maximum Pressure</b>	152psi, 1050 kPa
<b>Seal Material</b>	NBR (Nitrile butadiene rubber)

Jamec Pem 310 series brass couplings have been used in Australia for generations.

- Australian made
- Single button
- Airflow 30cfm, 850l/min @ 100psi, 690kPa



Socket x Male thread

Model	Size
310M4	1/4" BSP Male
310M6	3/8" BSP Male
310M8	1/2" BSP Male



Socket x Female thread

Model	Size
310F4	1/4" BSP Female
310F6	3/8" BSP Female
310F8	1/2" BSP Female



Socket x hose

Model	Size
310T4	6 mm hose tail
310T5	8 mm hose tail
310T6	10 mm hose tail
310T8	12 mm hose tail



Plug x Male thread

Model	Size
31M4	1/4" BSP Male
31M6	3/8" BSP Male



Plug x Female thread

Model	Size
31F4	1/4" BSP Female
31F6	3/8" BSP Female



Plug x hose

Model	Size
31T4	6 mm hose tail
31T5	8 mm hose tail
31T6	10 mm hose tail
31T8	12 mm hose tail

## BRASS POLYURETHANE HOSE FITTINGS



Female thread x Polyurethane hose

Model	Size	Thread
H5-2F	Ø 8 x 5 mm	1/4" BSP Female
H6.5-2F	Ø 10 x 6.5 mm	1/4" BSP Female
H8-2F	Ø 12 x 8 mm	1/4" BSP Female
H11-4F	Ø 16 x 11 mm	1/2" BSP Female



Female thread x Polyurethane hose

Model	Size	Thread
H5-2M	Ø 8 x 5 mm	1/4" BSP Male
H6.5-2M	Ø 10 x 6.5 mm	1/4" BSP Male
H8-2M	Ø 12 x 8 mm	1/4" BSP Male
H8-3M	Ø 12 x 8 mm	3/8" BSP Male
H11-4M	Ø 16 x 11 mm	1/2" BSP Male



Male thread x Polyurethane hose Swivel

Model	Size	Thread
H5-2MU	Ø 8 x 5 mm	1/4" BSP Male
H6.5-2MU	Ø 10 x 6.5 mm	1/4" BSP Male
H8-2MU	Ø 12 x 8 mm	1/4" BSP Male
H8-3MU	Ø 12 x 8 mm	3/8" BSP Male
H11-4MU	Ø 16 x 11 mm	1/2" BSP Male



Female thread x Polyurethane hose Swivel

Model	Size	Thread
H5-2FU	Ø 8 x 5 mm	1/4" BSP Female
H6.5-2FU	Ø 10 x 6.5 mm	1/4" BSP Female
H8-2FU	Ø 12 x 8 mm	1/4" BSP Female
H11-4FU	Ø 16 x 11 mm	1/2" BSP Female



Male thread x Polyurethane hose with kink protector

Model	Size	Thread
H6.5-2M-RGS	Ø 10 x 6.5 mm	1/4" BSP Male
H8-2M-RGS	Ø 12 x 8 mm	1/4" BSP Male

## MULTIPLE OUTLETS



Heavy Duty Aluminium Manifold

Model	Inlet	Outlet
LA2	1/2"	2 x 1/4"
LA3	1/2"	3 x 1/4"
LA4	1/2"	4 x 1/4"
LA5	1/2"	5 x 1/4"



Heavy Duty Aluminium Manifolds

Part No.	Inlet	Outlet	L	W	H
FR-406	1/8"	3 x 1/8"	56	20	17
FR-408	1/4"	3 x 1/4"	89	28	30
FR-410	3/8"	3 x 3/8"	85	32	26
FR-415	1/2"	3 x 1/2"	105	38	32
FR-806	2 x 3/8"	8 x 1/8"	114	40	30
FR-808	2 x 1/2"	8 x 1/4"	144	50	35
FR-815	2 x 3/4"	8 x 1/2"	170	60	45



Light Duty Aluminium Manifold

Model	Inlet	Outlet
AN5	1/4"	5 x 1/4"

Porting Block 4 port, Aluminium

Part No.	Size	Dimension
FR-4-1/4	1/4"	40 x 40 x 20



Porting Block 5 port, Glass filled nylon

Part No.	Size	Dimension
JGPB	1/2"	55 x 55 x 48

Temperature  
23°C  
70°C

Pressure  
10 bar  
7 bar



Porting Block 4 port Technopolymer, brass inserts

Part No.	Size	Dimensions
PB06	1/8"	31 x 31 x 17.5
PB08	1/4"	40 x 40 x 24
PB10	3/8"	50 x 50 x 20.5
PB15	1/2"	50 x 50 x 34

Temperature  
Max 50°C

Pressure  
13 bar



Rail Mounted Aluminium Manifold 70 Bar

Model	Inlet top/bottom	Outlet	Weight
UCFFM.015015	2 x 1/2"	2 x 1/2"	20g
UCFFN.015015	2 x 1/2"	3 x 1/2"	43g
UCFFP.015015	2 x 1/2"	5 x 1/2"	65g



## NICKEL PLATED BRASS FITTINGS



Y - Outlet Male

Model	Size
BDOFM08	1/4"
BDOFM10	3/8"
BDOFM15	1/2"



Y - Outlet Female

Model	Size
BDOF08	1/4"
BDOF10	3/8"
BDOF15	1/2"



Nickel plated Lugged outlet

Model	Size
BLE15	1/2"
BLE20	3/4"



Aluminium Triple Outlet

Model	Inlet	Outlet
ATO1508	1/2" BSPm	3 x 1/4"
ATO2008	3/4" BSPm	3 x 1/4"
ATO2508	1" BSPm	3 x 1/4"
ATOF1008	3/8" BSPf	3 x 1/4"

## SERIES 958 POLYURETHANE HOSE - STRAIGHT HOSE BRAIDED

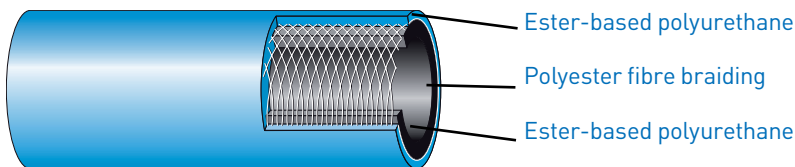
CEJN® straight braided hose is an excellent choice for applications requiring a maximum working pressure up to 16 bar (232 psi). It offers a wide temperature range and high tensile, tear, and impact strength. The hose easily springs back to its original form and has excellent abrasion resistance.

- Light and flexible
- Excellent resistance to oils, solvents, and other non-aqueous solutions
- Long service life with outstanding aging qualities

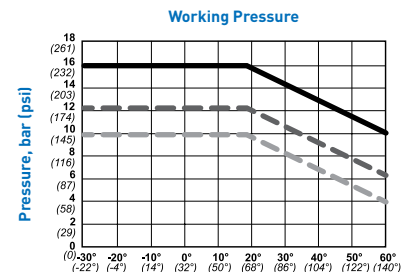


### TECHNICAL DATA

<b>Size (OD x ID mm)</b>	10 x 6.5, 12 x 8, 16 x 11, 18 x 13
<b>Max working pressure</b>	Up to 16 bar (232 psi)
<b>Material</b>	Ester-based polyurethane reinforced with polyester fibre



Size ID x OD
6.5 x 10 mm
8 x 12 mm
9.5 x 13.5 mm
11 x 16 mm
13 x 18 mm



Hose, OD x ID (mm)	Part No.	Working Pressure [20°C, 68°F]	Burst Pressure [20°C, 68°F]
10 x 6.5	9581000	16 bar / 232 psi	64 bar / 928 psi
12 x 8	9581200	16 bar / 232 psi	64 bar / 928 psi
16 x 11	9581600	12 bar / 174 psi	48 bar / 696 psi

## SERIES 958 POLYURETHANE HOSE - STRAIGHT HOSE NON BRAIDED

CEJN® non-braided hose is an excellent choice for applications requiring a maximum working pressure up to 10 bar (145 psi). It is light and flexible and offers high tensile, tear, and impact strength. The hose easily springs back to its original form.

- Suitable for push-to-connect fittings
- Excellent resistance to oils, solvents, and other non-aqueous solutions
- Long service life with outstanding aging qualities

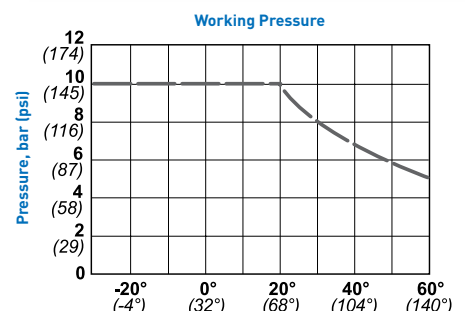


Hose, OD x ID (mm)	Part No.	Working Pressure [20°C, 68°F]	Burst Pressure [20°C, 68°F]
4 x 2.4	TU04	10 bar / 145 psi	25 bar / 362 psi
6 x 4	TU06	10 bar / 145 psi	25 bar / 362 psi
8 x 5	TU08	10 bar / 145 psi	25 bar / 362 psi
10 x 6.5	TU10	10 bar / 145 psi	25 bar / 362 psi
12 x 8	TU12	10 bar / 145 psi	25 bar / 362 psi
16 x 11	TU16	10 bar / 145 psi	25 bar / 362 psi

Add suffix code after Part No.

Colour	Code
Natural (clear)	-CL
Black	-BK
Green	-G
Yellow	-Y
White	-W
Blue	-BL
Red	-R

Size ID x OD
4 x 6 mm
5 x 8 mm
6.5 x 10 mm
8 x 12 mm
11 x 16 mm



## POLYURETHANE HOSE

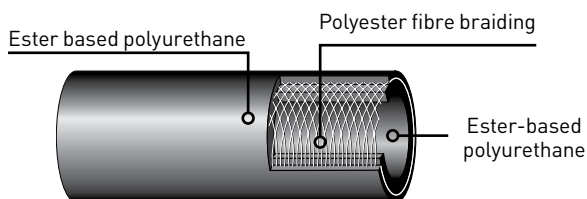
### ANTI SPARK HOSE - STRAIGHT BRAIDED

CEJN® Anti-spark hose is resistant to scorching and damage due to sparks that are present in welding environments, or where cutting equipment is in use. The hose offers outstanding ageing qualities and long duty. It is light and flexible and has high impact strength, as well as high tensile and tear strength. The hose easily springs back to its original form.

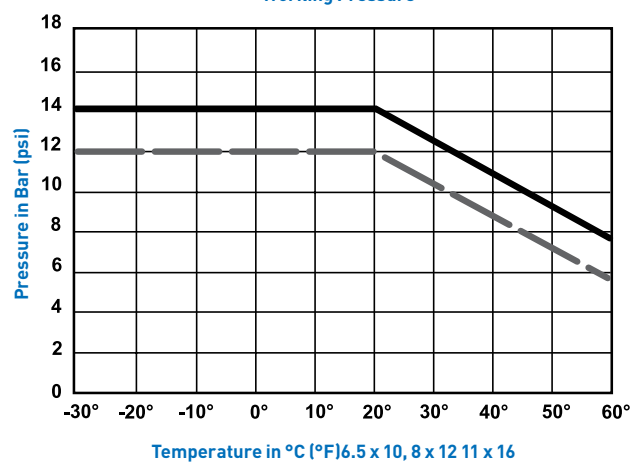
- Spark and Scorch resistant
- Excellent resistance to oils, Solvents and other non-aqueous solutions
- Long service life with outstanding ageing qualities

#### Anti Spark Polyurethane Hose

O.D. x I.D.	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
10 x 6.5	9581030	14 bar / 203 psi	56 bar / 812 psi
12 x 8	9581230	14 bar / 203 psi	56 bar / 812 psi
13.5 x 9.5	9581330	12 bar / 174 psi	48 bar / 696 psi
16 x 11	9581637	12 bar / 174 psi	48 bar / 696 psi



Working Pressure



## POLYURETHANE HOSE

### SPIRAL BREATHING AIR & ANTI-SPARK HOSE - NON BRAIDED

Designed for Breathing Air applications with the especial advantage of being spark and scorch resistant for use in welding environments or where cutting equipment is in use. This hose features an ester based PUR construction which is lighter in weight, easier to handle and more flexible than ordinary rubber hose.

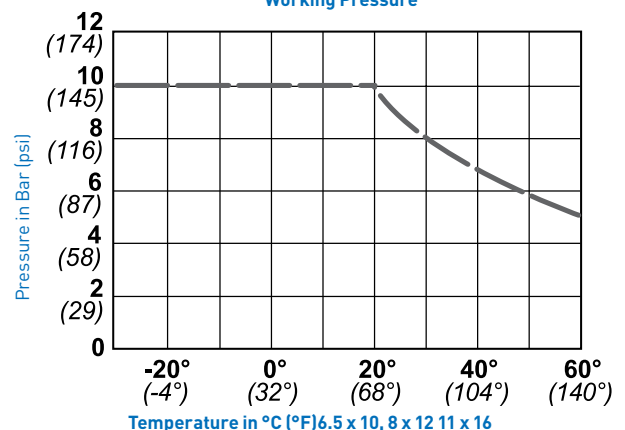
- Spark and Scorch resistant
- Excellent resistance to oils, Solvents and other non-aqueous solutions
- Long service life with outstanding ageing qualities

#### Spiral Anti Spark Polyurethane Hose

Working length	O.D. x I.D.	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
2 metre	10 x 6.5 12 x 8	PUKAS1062 PUKAS1282	10 bar / 145 psi 10 bar / 145 psi	25 bar / 362 psi 25 bar / 362 psi
4 metre	10 x 6.5 12 x 8	PUKAS1064 PUKAS1284	10 bar / 145 psi 10 bar / 145 psi	25 bar / 362 psi 25 bar / 362 psi
6 metre	10 x 6.5 12 x 8	PUKAS1066 PUKAS1286	10 bar / 145 psi 10 bar / 145 psi	25 bar / 362 psi 25 bar / 362 psi
8 metre	10 x 6.5 12 x 8	PUKAS1068 PUKAS1288	10 bar / 145 psi 10 bar / 145 psi	25 bar / 362 psi 25 bar / 362 psi



Working Pressure



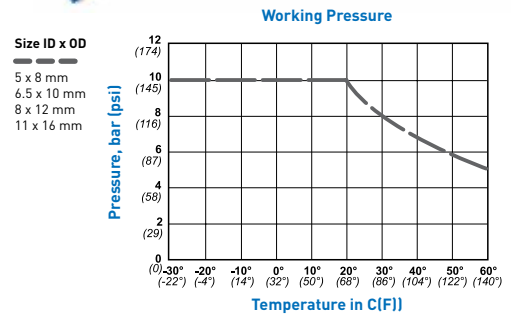
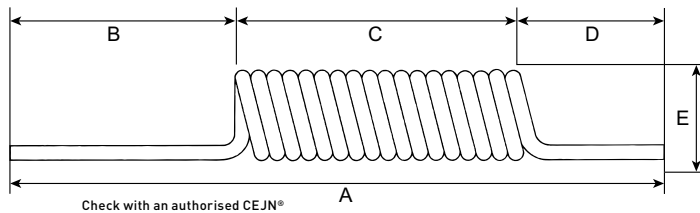
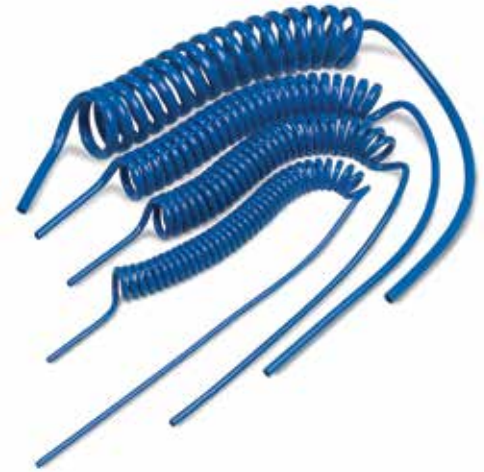


## POLYURETHANE HOSE SPIRAL HOSE NON BRAIDED

- Oil Resistant
- Extreme tear resistance produces unique wear properties
- Unparalleled aging properties - up to 10 times longer lifetime than conventional oil-resistant rubber hose
- Low weight - minimum 37 grams/metre
- Wide temperature range - from -20°C - +60°C while retaining softness
- Flexible throughout its lifetime
- High-flow values in combination with Stream-Line connections

### TECHNICAL DATA

<b>Size (OD x ID mm)</b>	8 x 5, 10 x 6.5, 12 x 8, 16 x 11
<b>Max working pressure</b>	10 bar (145 psi)
<b>Max burst pressure</b>	25 bar (362 psi)
<b>Material</b>	FDA approved, Ester-based polyurethane



Hose	Part No.	Size ID x OD (mm)	Service Length (m)	Total Length (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Working Pressure 20°C
2 metre	PUC852	8 x 5	2.0	2.5	740	500	140	100	42	10 bar/ 145 psi
	PUC1062	10 x 6.5	2.0	2.5	740	500	140	100	52	10 bar/ 145 psi
	PUC1282	12 x 8	2.0	2.5	740	500	140	100	65	10 bar/ 145 psi
	PUC16112	16 x 11	2.0	2.5	720	500	120	100	95	10 bar/ 145 psi
4 metre	PUC854	8 x 5	4.0	5.0	930	500	330	100	42	10 bar/ 145 psi
	PUC1064	10 x 6.5	4.0	5.0	930	500	330	100	52	10 bar/ 145 psi
	PUC1284	12 x 8	4.0	5.0	920	500	320	100	65	10 bar/ 145 psi
	PUC16114	16 x 11	4.0	5.0	880	500	280	100	95	10 bar/ 145 psi
6 metre	PUC856	8 x 5	6.0	7.5	1120	500	520	100	42	10 bar/ 145 psi
	PUC1066	10 x 6.5	6.0	7.5	1120	500	520	100	52	10 bar/ 145 psi
	PUC1286	12 x 8	6.0	7.5	1100	500	500	100	65	10 bar/ 145 psi
	PUC16116	16 x 11	6.0	7.5	1040	500	440	100	95	10 bar/ 145 psi
8 metre	PUC858	8 x 5	8.0	10.0	1300	500	700	100	42	10 bar/ 145 psi
	PUC1068	10 x 6.5	8.0	10.0	1310	500	710	100	52	10 bar/ 145 psi
	PUC1288	12 x 8	8.0	10.0	1280	500	680	100	65	10 bar/ 145 psi
	PUC16118	16 x 11	8.0	10.0	1210	500	610	100	95	10 bar/ 145 psi
10 metre	PUC8510	8 x 5	10.0		1470	500	870	100	42	10 bar/ 145 psi
	PUC10610	10 x 6.5	10.0		1490	500	890	100	52	10 bar/ 145 psi
	PUC12810	12 x 8	10.0		1400	500	800	100	65	10 bar/ 145 psi
13 metre	PUC8513	8 x 5	13.0		1700	500	1100	100	42	10 bar/ 145 psi
	PUC10613	10 x 6.5	13.0		1980	500	1380	100	52	10 bar/ 145 psi
	PUC12813	12 x 8	13.0		1620	500	1020	100	65	10 bar/ 145 psi
	PUC161113	16 x 11	13.0		1400	500	800	100	108	10 bar/ 145 psi

## NYLON TUBING

Nylon 12 tubing is recognised as an industry standard for higher pressure or heat applications. It is strong, lightweight, flexible, and chemical resistant. Due to its semi-rigid properties, a thinner wall gives higher flow rates and working pressure. This material is made to Australian Standards with a minimum burst pressure of 1000psi/6.9 MPa and a working pressure of 250psi/1.7 MPa for a 4:1 safety factor. When used for fluid transfer a 3:1 safety factor can be applied.



### Nylon Tubing

Part No..	O.D.	I.D.	Working Pressure
<b>Metric</b>			
TN04	4mm	2.5mm	250 psi/17 bar
TN05	5mm	3mm	250 psi/17 bar
TN06	6mm	4mm	250 psi/17 bar
TN08	8mm	6mm	250 psi/17 bar
TN10	10mm	7.5mm	250 psi/17 bar
TN12	12mm	9mm	250 psi/17 bar
TN16	16mm	13mm	250 psi/17 bar
<b>Imperial</b>			
TN1/8	1/8"	.080 inch	250 psi/17 bar
TN1/4	1/4"	.180 inch	250 psi/17 bar
TN3/8	3/8"	.275 inch	250 psi/17 bar
TN1/2	1/2"	.375 inch	250 psi/17 bar

Add suffix code after Part No.

Colour	Code
Natural (clear)	-CL
Black	-BK
Green	-G
Yellow	-Y
White	-W
Blue	-BL
Red	-R

### Specification

<b>Hardness</b>	Rockwell 78R
	Shore D 70
<b>Temperature</b>	-60°C to 200°C
<b>Vacuum</b>	28" Hg

## POLYETHYLENE TUBING

Low density polyethylene tubing is made from 100% non-toxic ingredients. Its inert nature and FDA compliant status makes it ideal for food, water and beverage piping. For use in areas not affected by heat and preferably away from direct sunlight. A material of choice for pneumatics, drain piping, lab use and chemical transfer with inexpensive costings.



### Polyethylene Tubing

Part No..	O.D.	I.D.	Working Pressure
<b>Metric</b>			
TE04	4mm	2.5mm	120 psi/8 bar
TE06	6mm	4mm	120 psi/8 bar
TE08	8mm	6mm	120 psi/8 bar
TE10	10mm	7.5mm	120 psi/8 bar
TE12	12mm	9mm	120 psi/8 bar
TE16	16mm	13mm	120 psi/8 bar
<b>Imperial</b>			
TE1/4	1/4"	.170 inch	120 psi/8 bar
TE3/8	3/8"	.250 inch	120 psi/8 bar
TE1/2	1/2"	.375 inch	120 psi/8 bar

Add suffix code after Part No.

Colour	Code
Natural (clear)	-CL
Black	-BK
Green	-G
Yellow	-Y
White	-W
Blue	-BL
Red	-R

### Specification

<b>Hardness</b>	Shore A 93A
	Shore D 45D
<b>Temperature</b>	-50°C to 140°C

**OTHER SPECIALTY TUBING INCLUDES FLUORINE, SOFT POLYURETHANE, TWIN SOLVENT/AIR HOSE**

## MULTIBORE POLYURETHANE

These Polyurethane spiral hoses are manufactured from premium grade 100% virgin materials, also available in multicore configurations both for straight hose or for coils. A wide variety of colours is available. The standard colours for multi-coils are:

- 2 core Black / light blue
- 3 core Black / light blue / yellow
- 4 core Black / light blue / yellow / white

Custom combinations are available as special builds if required, including an electrical polyurethane coated 5-conductor 22 gauge wire.



## PVC HOSE

We only stock good quality PVC hoses, there will always be some cheaper hoses, but usually the PVC resin in them has a lot of worthless fillers in it or less reinforcing. Cheaper brands get stiffer and more brittle or fail by puncture or blow out. Experience has proved often that you can't afford to buy the cheapest.



High Quality PVC 250Psi Working Pressure, Good Flexibility And Kink Resistance

Code	PVC	Size
AHB6	Blue	6mm x 20m
AHB8	Blue	8mm x 20m
AHB10	Blue/Yellow	10mm x 20m, 100m
AHB12	Blue/Yellow	12mm x 20m, 100m
AHB20	Blue/Yellow	20mm x 20m
AHB25	Blue/Yellow	25mm x 20m

Breathing Air Safety Yellow

BAH8	Yellow	8mm x 20m
BAH10	Yellow	10mm x 20m
AHY20	Yellow	20mm x 20m
AHY25	Yellow	25mm x 20m

## SAFETY REELS - CEJN®



The new generation CEJN Safety Reel is a durable reel that provides excellent performance thanks to its full-flow patented design that, unlike most reels, does not restrict flow.

This provides maximum power to the customer's tools, saving them both energy and time. This hose reel is ideal for a safe workplace. The slow retraction function, hose guiding, PUR hose, soft stop-ball and anti-kink safety features are just a few examples of what makes these safety reels the best on the market. The reel can swivel 180 degrees allowing the operator to move around freely, and the controlled retraction makes it safe and easy for anyone to handle.

*Cable reels for electrical applications are also available.*

### Compressed Air

Part No.	Braided PUR Diameter mm	Length m	Connection (male)	Work. Press. Bar @ 20°C	Weight Kg	Temperature Range	Diameter mm
199112020	8 x 12	7	1/4"	16 / 232 psi	4.5	-20°C +60°C	small
199112022	8 x 12	10	1/4"	16 / 232 psi	4.9	-20°C +60°C	small
199112040	11 x 16	5	1/2"	12 / 174 psi	4.7	-20°C +60°C	small
199112120	8 x 12	17	1/4"	16 / 232 psi	6.6	-20°C +60°C	medium
199112130	9.5 x 13.5	14	1/4"	17 / 232 psi	6.5	-20°C +60°C	medium
199112132	9.5 x 13.5*	14	1/4"	12 / 174 psi	6.5	-20°C +60°C	medium
199112140	11 x 16	10	1/2"	12 / 174 psi	6.7	-20°C +60°C	medium
199112150	13 x 18	8	1/2"	10 / 145psi	6.6	-20°C +60°C	medium

\*anti-spark

### Water

Part No.	Braided PUR Diameter mm	Length m	Connection (male)	Work. Press. Bar @ 20°C	Weight Kg	Temperature Range	Diameter mm
199112230	9.5 x 13.5	14	3/8"	9 / 130	5.9	5°C +60°C	medium
199112240	11 x 16	10	1/2"	10 / 130	6.3	5°C +60°C	medium



Water Reel



High flow and low pressure drop



Strong, guided, layered retraction



Durable construction

## HOSE REELS - ReCoila®



The ReCoila® Hose reels are a simple workplace solution resulting in increased safety, improved efficiency and reduced accidents. They've been designing and engineering quality spring, manual and motor rewind hose reels for over 30 years.

Hose reels increase efficiency by helping to create a neat and tidy workplace. Hazards will decrease, which saves lost work hours due to injury and enables workers to get on with their job without having to find hoses, untangle hoses, coil and replace them.

Hoses that are protected from damage through proper storage

### FEATURE & BENEFITS

- Up to a 5 year warranty
- Highest quality 'finished edge' Spring steel strip
- Full flow full DR brass swivels and fluid paths
- Positive crimp hose fittings
- All position positive latching system
- Tough, impact corrosion resistant and UV stabilized Polypropylene with Anti-static and flame retardants

and management have a longer life span, saving you money and reducing how often you need to replace your hoses.

With a comprehensive range of hose, cord and cable reels and a custom design and manufacturing facility, we can supply the right reel for your individual application.

### Other specialist applications include:

Hot Wash, Fork-lift recharging, Chemical, Food Gases, Lubrication, Pressure Wash and Safety Barrier

- Unique ratchet tensioning system
- Heavy Duty wall mounting swivel system
- Replaceable protective mouth guard
- Large side covers for easy access in servicing & maintenance routines
- Food grade approved materials
- Unique service locking pin port for added safety
- Two part fully adjustable hose bumper
- Detailed operation and service manual



### GENERAL PURPOSE AIR or WATER REELS

Model	Hose ID	Hose length	Max PSI	Inlet fitting	Outlet Fitting	Temp Range	Weight
AW815	8 mm	15 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	11 Kg
AW820	8 mm	20 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	12 Kg
AW1015	10 mm	15 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	12 Kg
AW1020	10 mm	20 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	12 Kg
AW1215	12 mm	15 m	240	1/2" BSP F	1/2" BSP M	-5/+65°C	12 Kg
AW1218	12 mm	20 m	240	1/2" BSP F	1/2" BSP M	-5/+65°C	12 Kg
AWHD1210	12 mm	10 m	240	1/2" BSP F	1/2" BSP M	-5/+65°C	12 Kg

### ELECTRICAL REELS

Model	Cable size	Cable length	No of cores	Inlet	V / AC	Amps	Outlet
EL2402010	1 mm <sup>2</sup>	20m	3	Plug	240	10	Socket
EL2402015	2.4 mm <sup>2</sup>	20m	3	Plug	240	15	Socket
EL4152010	2.4 mm <sup>2</sup>	20m	4	not supplied	415	10	not supplied
EL4152015	2.4 mm <sup>2</sup>	20m	4	not supplied	415	15	not supplied
EL4152020	2.4 mm <sup>2</sup>	20m	4	not supplied	415	20	not supplied
EL4152032	4 mm <sup>2</sup>	20m	4	not supplied	415	32	not supplied

### BREATHING AIR REELS

Model	Hose ID	Hose length	Max PSI	Inlet fitting	Outlet Fitting	Temp Range	Weight
BD820	8 mm	20 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	11 Kg
BD1020	10 mm	20 m	240	3/8" BSP F	3/8" BSP M	-5/+65°C	12 Kg

### OXYGEN & ACETYLENE TWIN REELS

Model	Hose ID	Hose length	Max PSI	Inlet fitting	Outlet Fitting	Temp Range	Weight
OA68	5mm	8m	300	5/8" UNFM	5/8" UNFF	-20 +80°C	12Kg
OA615	5mm	15m	300	5/8" UNFM	5/8" UNFF	-20 +80°C	12Kg

## SPECIALIST HOSE REELS

Our range of reels includes composite spring rewind hose and cable reels, fabricated steel reels in powder coated finish, stainless steel and aluminium with hand crank, and motorised versions.

With such a huge range to choose from, we can supply your needs from spring rewind, hydraulic motor rewind, 12 and 24 v DC electric motor rewind, air motor rewind, hand crank and reduction drive hand crank hose reels. Hose lengths to 150 metres (500ft) and diameters up to 50mm (2") in standard configurations as well as custom designed hose reels and cable reels for special applications.

Application versions include air hose reels, water hose reels, fire hose reels, lubrication, chemical and fuel reels amongst many other types of medium transfer.



### C SERIES HAND CRANK/ 12volt DC/24voltDC/ Pneumatic/Hydraulic drive REELS

Ideally suited for a variety of applications, this simple but tough hose reel will handle a multitude of hose sizes, lengths and pressures. The main axle is supported by ball bearings while the adjustable friction brake allows you to add or remove drag to prevent over spooling. The spool lock holds the spool fixed during transit, preventing overrun, and the open spool design allows air flow to help dry out wet areas and allow for easy cleaning. A bolt together frame and spool constructed of 3mm steel plate offers easy access for maintenance and servicing. Plus, the unique modular design of the C Series also allows the user to add or change drive systems in the field using a simple bolt on process.



**APPLICATION** A simple, heavy duty hand crank hose reel for a wide range of applications.

**HOSE TYPE** Supplied with or without hose

**CONSTRUCTION MATERIALS**

Carbon Steel 304 Stainless Steel 316 Stainless Steel Aluminium FINISH Powder Coated Galvanized

**OPTIONAL EXTRAS** 4 way roller guides, Gear guard, Extra heavy duty wrap spreaders, \* Wall mount swivel bracket

### 80000 SERIES

The 80000 Series hose reels are suitable for heavy duty applications. The 80000 has a compact base whilst the D80000 features a wide base for maximum strength and longest hose lengths. A unique one-piece aluminium casting with dual pedestal and guide arm support provides superior durability.



**HOSE TYPE** Supplied with or without hose (up to 30m)

**MEDIA** Air, water, oil, grease (refer to table below)

**CONSTRUCTION MATERIAL**

Steel

**FINISH** Powder Coated

**FITTING TYPE** NPT



### SS400 / 460 / 550 / 560 / Series STAINLESS STEEL SPRING REELS

**APPLICATION** The SS Series is a range of high quality imported steel and stainless steel hose reels, with models suited to most common workshop applications including air, water, oil, grease and more. Durable and compact, the SS Series is available in a wide range of sizes and configurations.

**HOSE TYPE** Supplied with or without hose from 10 metre to 40 metre

**CONSTRUCTION MATERIAL**

304 Stainless steel

**FINISH** Stainless

**FITTING TYPE** BSP



## HOSE REELS - MACNAUGHT®

Macnaught® has a strong reputation for designing and manufacturing innovative, quality products. The new R3 range is also available with optional RACR - Retractable Adjustable Controlled Rewind for enhanced operator safety.

**RETRACTA®**  
by macnaught



R3 series reels

### RETRACTA HOSE REELS 10 YEAR LIMITED WARRANTY

Part No.	Description	Case	Hose mm	Hose mm	Length metres	Working Pressure	Inlet (female)	Outlet (male)	Temp. max
AR320B-01	R3 Comp. air reel	Blue PP	PVC	10mm	20m	1895kPa / 275 psi	3/8"	1/4"	+60°C
AR415B-01	R3 Comp. air reel	Blue PP	PVC	12.5mm	15m	1895kPa / 275 psi	3/8"	3/8"	+60°C
AR420B-01	R3 Comp. air reel	Blue PP	PVC	12.5mm	20m	1895kPa / 275 psi	3/8"	3/8"	+60°C
AW315B-1	R3 Comp. air/ water	Blue PP	PVC	10mm	15m	1895kPa / 275 psi	3/8"	1/4"	+60°C
AW320B-01	R3 Comp. air/ water	Blue PP	PVC	10mm	20m	1895kPa / 275 psi	3/8"	1/4"	+60°C
AW415B-01	R3 Comp. air/ water	Blue PP	PVC	12.5mm	15m	1895kPa / 275 psi	3/8"	3/8"	+60°C
AW420B-01	R3 Comp. air/ water	Blue PP	PVC	12.5mm	20m	1895kPa / 275 psi	3/8"	3/8"	+60°C
DR418G-03	R3 Water reel	Green PP	PVC	12.5mm	18m	860kPa / 125psi	tap adaptor	spray gun	+60°C
HW415R-01	R3 Hot Water reel	Red PP	HT Chem resistant PVC	12.5mm	15m	1034kPa / 150psi	1/2"	1/2"	+85°C
HW420R-01	R3 Hot Water reel	Red PP	HT Chem resistant PVC	12.5mm	20m	1034kPa / 150psi	1/2"	1/2"	+85°C
GR215D-01	R3 Grease reel	D Grey PP	steel wire braided rubber	6mm	15m	34500 kPa / 5000 psi	1/4"	1/4"	+100°C
OA215B-04	R3 Oxy Acetylene reel	Blue PP	twin reinforced rubber	5mm ID	15m	1205 kPa / 175 psi	5/8" UNF gas	5/8" UNF female	+80°C
ARC320B-01	R3 RACR Comp Air reel	Blue PP	premium reinforced PVC	10mm	20m	1895kPa / 275 psi	3/8"	1/4"	+60°C
ARC420B-01	R3 RACR Comp Air reel	Blue PP		12.5mm	20m	1895kPa / 275 psi	3/8"	3/8"	+60°C
HWC420R-01	R3 RACR Hot Water reel	Red PP	HT Chem resistant PVC	12.5mm	20m	1034 kPa/150psi	1/2"	1/2"	+85°C
HPC320R-01	R3 HP RACR Hot Water reel	Red PP	wire braided rubber	10mm	20m	20685kPa/3000psi	3/8"	3/8"	+100°C

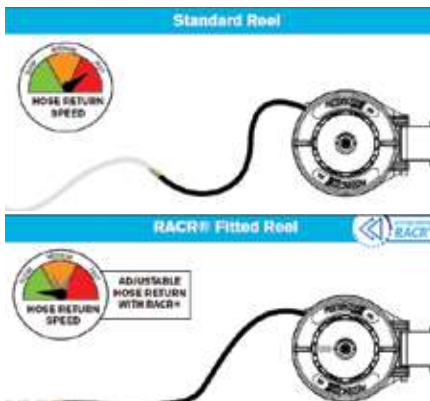
### METAL ENCLOSED HOSE REELS 5 YEAR WARRANTY

ESAW1015-01	Comp. air/water	white metal enclosed	10mm	15m	1400 kPa/ 203psi	3/8"	3/8"	50°C
ESAW1210-01	Comp. air/water	white metal enclosed	12.5mm	10m	1400 kPa/ 203psi	3/8"	3/8"	50°C
ESO1210-01	Oil	white metal enclosed	12.5mm	10m	6998 kPa / 1015 psi	1/2"	1/2"	70°C
ESGR0610-01	Grease	white metal enclosed	6.4mm	10m	27990 kPa / 4060 psi	1/4"	1/4"	70°C

### METAL OPEN HOSE REELS - SINGLE PEDESTAL 5 YEAR WARRANTY

MAS1020	Comp. air/water	rubber	10mm	20m	2099 kPa/ 300psi	3/8"	3/8"	60°	
MAS1220	Comp. air/water	rubber	12.5mm	20m	2100 kPa/ 300psi	1/2"	1/2"	80°	

MULTIPLE OTHER MODELS AVAILABLE FOR DIESEL, GREASE OR OIL PLUS STAINLESS STEEL



FHA 1920-01



FHA 1220-01



ESAW 1015-01

## BLOW GUNS - CEJN®



### MULTIFLOW

- Unmatched blowing force
- Adjustable flow control
- Adjustable stream flow
- Compressed air or Water

#### SPECIFICATIONS

**Materials:**

**Seal:**

**Temperature range:**

**Media:**

**Max Working pressure:**

**Min burst pressure:**

**Air sound level:**

**Air flow:**

**Fluid flow:**

POM, TPE, Aluminium

NBR (Nitrile rubber)

@ 16 bar (232 psi) -20°C to +60°C @ 10 bar (145 psi -20°C to +60°C

Compressed air, non-explosive water-based liquids

16 bar (232 psi)

64 bar (928 psi)

79—101 dBA

200 –1200 l/min

5-25 l/min



CEJN's new Multiflow Air or Fluid Gun is a powerful force in diverse applications. CEJN® has always been a market leader in blow guns, it has now set a new frontier for practical blow guns. Exceptional flow and stream control make a truly versatile tool. It is aesthetically pleasing and its performance is as superior as its style.

### FEATURES

1. Nozzle adjusts from narrow jet for pinpoint pressure to wide fan for cleaning wide areas
2. High strength Polyoxymethylene POM withstands heavy day to day use
3. Moulded ergonomic nonslip rubber grip gives increased operator comfort and control
4. Variable flow control to control force and energy savings
5. Anti-whip adapter vents downstream pressure for reduced noise and hose whip



### CEJN® MULTIFLOW BLOW GUNS

Part No.	Description	Weight
112100400	320 series connector nipple	191 g
112100430	fluid click connection nipple	210 g
112100450	1/4" BSP Female connection	205 g

## BLOW GUNS SERIES 208



### STAR TIP MODEL



The Star-tip feature incorporates six separate flow paths to give a **silencing effect** and diverts the air when dead-ended making it OSHA-compliant. Air flow: 190 l/min (7 CFM).



112080000

The Cejn 208 series is a well proven rugged design that has many imitations, but none as reliable or user friendly. They offer new levels of performance in simplicity, operation and ease of use with either compressed air or non-explosive fluids.

### Its highly valued design features include:

- High blowing force – generates much higher blowing force than comparable designs.
- Lightweight design – makes the blowgun easy to use and control
- Easily regulated infinite flow – the lever action gives very good operator control with minimum fatigue from constant use
- Ergonomic, comfortable controls – offer excellent comfortable handling and a 'perfect fit' for both left and right handed users.
- User friendly – the acetal plastic body and lever is both comfortable to grip and insulates from cold air flow.



11205110 or 112051110

With built in pressure regulator



### Basic blowgun body

112080000 for use with extension tubes, especially flexible model 112080222

**CEJN 208 SERIES BLOW GUNS** FLOW CAPACITY IS MEASURED AT 6 BAR (87 PSI) INLET PRESSURE, AND PRESSURE DROP AT 0.5 BAR (7 PSI).

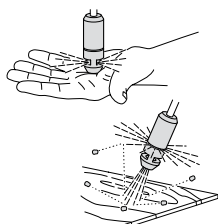
Part No.	Description	Inlet	Feature	Max work pressure
112080100	Standard fixed bent tube blowgun	1/4"BSP Female	96 dB	16 bar
112083100	Star safety tip fixed bent tube blowgun	1/4"BSP Female	79 dB @ 6 bar	16 bar
112051100	Std bent tube blowgun with built in pressure regulator	1/4"BSP Female	2.0 bar 30 psi	8 bar
112051110	Std bent tube blowgun with built in pressure regulator	1/4"BSP Female	3.5 bar 50 psi	8 bar
112080222	Bendable extension tube 400mm x 6mm needs 112080000 blowgun body			
112089954	Air curtain nozzle creates invisible protective shield, bypass diverts air when dead-ended, to less than 2 bar			
112089955	Transparent shield fits onto tube, 100mm diameter			
112089956	Rubber tip 14mm			
112089957	Rubber tip 25mm			
112089958	Rubber tip 35mm			
112089960	Rubber tip set 14, 25 & 35mm			
112089961	Bypass nozzle diverts air when dead-ended to less than 2 bar (29psi)			
112089962	Silencer tip fits onto std tube reduces noise		82 dB	
112089963	Venturi nozzle increases flow 100% diverts air when dead-ended, to less than 2 bar			

## BLOW GUNS SERIES 208 - ACCESSORIES



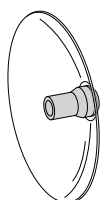
### 112080222 BENDABLE EXTENSION TUBE

Fits directly onto the threads of blowgun body - 112080000. Can be bent and adjusted for specific tasks in hard-to-reach areas. Bendable 6-mm (1/4") coated copper tube. Air flow: 120 l/min [4 CFM]



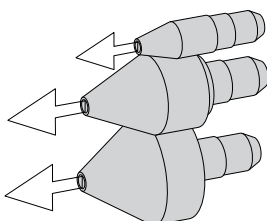
### 112089954 AIR CURTAIN NOZZLE

Fits directly onto the tube. Creates a protective air curtain that is suitable for deflecting lightweight chips or fluids and diverts air when dead-ended, reducing the outlet pressure to less than 29 PSI (2 bar)



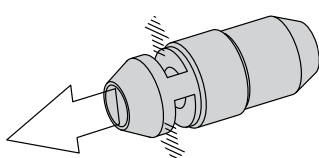
### 112089955 CHIP SHIELD

Fits directly onto the tube. Protects operators from flyaway chip debris. For placement anywhere on the tube. Nitrile bushing for easy mounting. Translucent shield diameter: 100 mm (4")



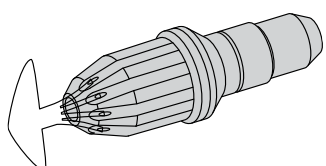
### 112089956/57/58/60 RUBBERTIP NOZZLES

Fits directly onto the tube. For use against sensitive surfaces. Suitable for pressurizing, such as in leakage or cylinder testing. Nozzle available in three sizes, individually or as a set. Ø 14 mm Ø 25 mm Ø 36 mm



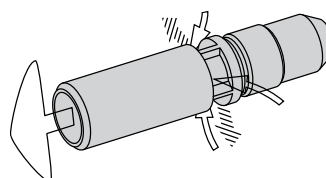
### 112089961 BYPASS NOZZLE

Fits directly onto the tube. When dead-ended, pressure is released (or diverted) through the side outlets, reducing the maximum outlet pressure to less than 2 bar (29 PSI)



### 112089962 SILENCER NOZZLE

Fits directly onto the tube. Reduces noise effectively when low noise is a requirement. Sound level: 82 dB(A).



### 112089963 VENTURI NOZZLE

Fits directly onto the tube. Draws in ambient air for producing extra high flow by 100%. Suitable for deflecting lightweight product like wood chips. When dead-ended, pressure is released (or diverted) through the side outlets, reducing the maximum outlet pressure to less than 2 bar (29 PSI)

## BLOW GUNS - AirBoy™



The AirBoy™ range of blow guns are very rugged, simple in design and reliable. They are a classic in materials application, using a high quality plastic body coupled with a strong metal tube that resists some of the roughest treatment. The acetal plastic is harder than brass. The handles are comfortable, and the design uses the compressed air itself to ease the handle operation reducing operator fatigue.

**The long reach guns from 300mm up to 2 metres long are excellent for reaching difficult-to-clean areas.**

**The metal tubes are standard with zinc coating but stainless steel is also an option.**



**Standard bent tip Blow Gun**

**Silent tip Blow Gun**

**Flat nozzle Blow Gun**



### AirBoy™ BLOW GUNS

Part No.	Description	Air Supply max
124140-100	AirBoy™ Standard 8mm Straight tip	16 bar
124140-101	AirBoy™ Standard 8mm Bent tip	16 bar
124140-101R-TIP	AirBoy™ Standard 8mm Bent with Rubber tip	16 bar
124140-108	AirBoy™ with ball inflation needle	16 bar
124140-112	8mm x 300mm long tip Blow Gun	16 bar
124140-113	8mm x 500mm long tip Blow Gun	16 bar
124140-114	8mm x 1000mm long tip Blow Gun	16 bar
124140-125	Silent tip 8mm bent Blow Gun	16 bar
124140-161	Bent tip Blow gun safety/ silent 2.0 bar	16 bar
124140-171	Bent tip Blow gun safety/ silent 3.5 bar	16 bar
124140-026	Flat nozzle AirBoy™	8 bar
124141-000	Flat nozzle only	16 bar
124144-180	AirBoy™ shield fits blow guns with 8mm tube	
124140-120	AirBoy™ Standard 8mm Bent tip Stainless	
124160-100	Super AirBoy™ vertical operation squeeze design	12 bar



# COUPLING INTERCHANGE TABLE

		CEJN® 141	CEJN® 220	CEJN® 300	CEJN® 303	CEJN® 310	CEJN® 314	CEJN® 315	CEJN® 320	CEJN® 331	CEJN® 342	CEJN® 343	CEJN® 408	CEJN® 410	CEJN® 421	CEJN® 430	CEJN® 442	CEJN® 443	CEJN® 550
Euro Standard									7.6					10.4					
ARO	210			*															
	23 // 23902					*													
	33 // 23903															*			
	44 // 23904																		*
Atlas Copco	QIC 8					*													
	QIC 10									*									
	QIC 10 ASIA																		
	QIC 10 E								*										
	QIC 10T				*														
	QIC 15														*				
	QIC 15E												*						
	QIC 15T											*							
Foster	210			*															
	3000					*													
	4000															*			
	5000																		*
Hansen	100, Auto Flo 20, Auto Flo 23			*															
	40, 4000, Auto Flo 32															*			
	500, 5000																		*
	3000, Auto Flo 22					*													
	Auto Flo 24								*										
	CHS 03 F							*											
Legris	14, 22			*															
	23, 24					*													
	25, 26								*										
	27												*						
Milton	700					*													
	770			*															
	1810																*		
	1830															*			
Nitto Kohki	HiCoupler 30,200						*	*											
Orion	44510			*															
Parker	20, 30, PB, PBF, EZ-1/4"					*													
	20, 30, PB, PBF, EZ-3/8"															*			
	20, 30, PB, PBF, EZ-1/2"																		*
	Intercheck 35								*										
	Intercheck 55												*						
Prevost	ARM, ASC, ARC-06			*															
	IRM, ISC, IRC, JSC-06					*													
	ESC-07								*										
	ISC, JSC-08															*			
Rectus	13					*	*												
	14			*															
	22			*															
	23, 24					*													
	25, 26								*										
	27																		
	30												*			*			
	31				*														
	32											*							
	37																		*
TDK	23 SFF					*	*												
TEMA	1300				*														
	1400					*													
	1600								*										
	1700												*						
	1800											*							

## COMMON QUICK CONNECT PROFILES

(Other styles check with sales)

