

# Air Energy

INDUSTRIAL PIPE SYSTEMS • COMPRESSED AIR SYSTEMS

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 OHS 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.

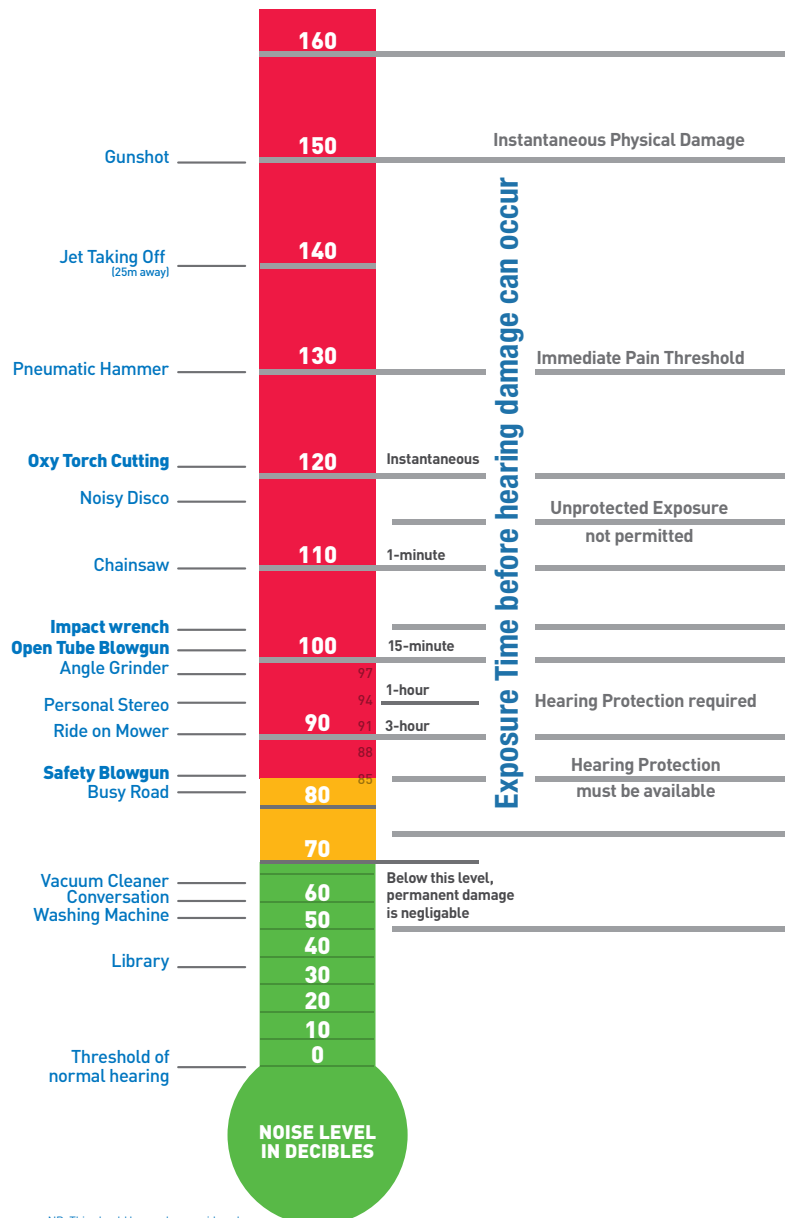
#### Whiplash

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](mailto:sales@airenergy.com.au)

<b>INDEX</b>	<b>3</b>
<b>OHS</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, Softline, Dustcaps	6
• Series 320, 326 (SS)	7
• Series 315, 341, 342	8
• Series 344, 410 Large Bore	9
<b>NITTO</b>	
• Hi-Cupla Standard & Large Series	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
<b>ROTARY PLUGS, SWIVELS</b>	16,17
<b>HEAVY DUTY MUFFLER</b>	17
<b>PUSH-IN FITTINGS</b>	18,19
<b>TST SWING COUPLERS</b>	20
<b>JAMEC COUPLERS</b>	21
<b>MULTIPLE OUTLETS</b>	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 Hose	27
PVC Hose, Rubber Hose	27
<b>HOSE REELS</b>	
CEJN® Comp Air, Water	28
Jamec Pem® Hose Reels	29
Specialist Reels	30
Macnaught® Retractable Reels	31
<b>BLOW GUNS</b>	
Multiflow CEJN®	32
Series 208 CEJN®	33
Series 208/209 CEJN® Accessories	34
Airboy™	35
<b>Comparative Table, Profiles</b>	<b>36</b>

## WHAT DOES PRESSURE DROP COST?

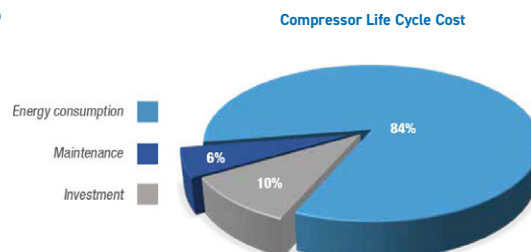
Typical Installation:

- Compressor 15 kW
- Hours 7.30 am – 5.30 pm / 5 days / 48 weeks = 2400 hours p.a.
- Cost of power – \$0.25 KWH
- > Cost to compress air = \$9,000.00 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 = \$112.50 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/ANNUM ONE SHIFT IN KWH	\$ COST @ 0.25 KWH
	l/SEC	l/MIN		
• 0.4mm	0.2	12	166	\$ 41.50
• 0.8mm	0.8	48	665	\$166.25
• 1.6mm	2.2	192	2660	\$665.00
• 3.2mm	12.8	768	10,640	\$2,660.00
• 6.4mm	51.2	3072	42,550	\$10,637.50

## 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 ½” 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!**

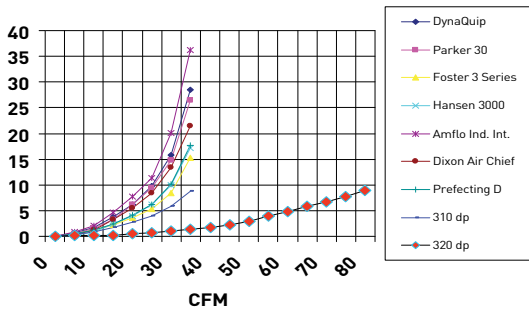


**THERE IS A DIFFERENCE!**



## THERE IS A DIFFERENCE!

320 vs. Others



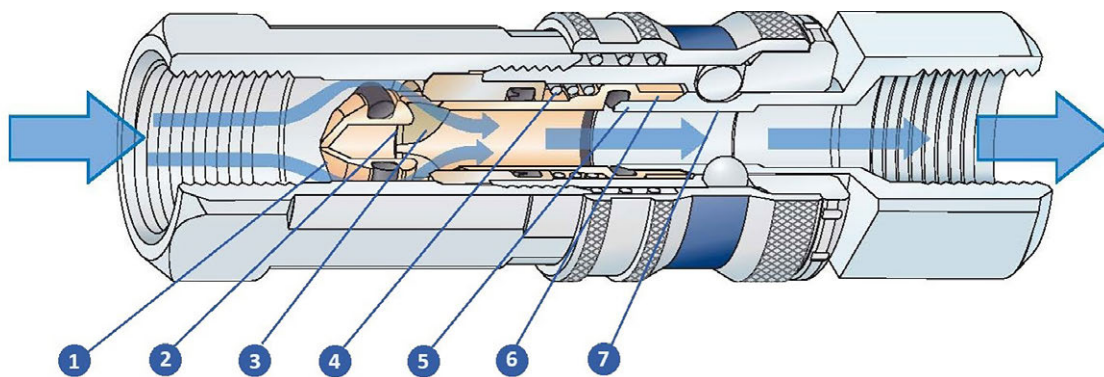
- Higher Flow Rates
- Lowest Pressure Drop
- Fewer Leaks
- Reliability
- Significant Cost Savings

### 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

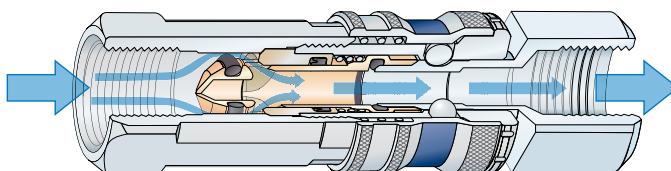
Numerous construction features make the CEJN® valve unique:



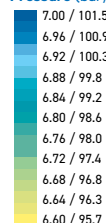
### Extremely low pressure drop

- 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



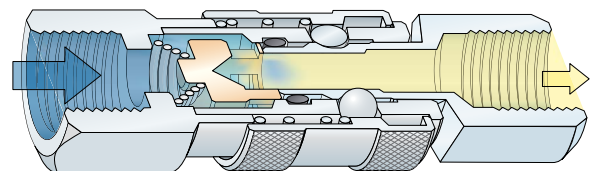
Pressure (bar/psi)



**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 led us to 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

eSafe is standard on 320, 326 & 410 series and is also available in 315 series

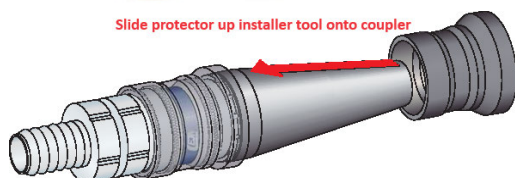
eSafe COMPLY WITH THE INTERNATIONAL STANDARD ISO 4144 AND THE EUROPEAN STANDARD EN 983

## SOFTLINE PROTECTORS & DUSTCAPS



Assembly of Soft-Line accessory onto coupler

Slide protector up installer tool onto coupler



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:

- Integrated is the full protection version (A&B)
- Accessory can be added to existing standard couplers (C)

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. In addition to protecting the surrounding surfaces 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, but only cover the lock sleeve. The cover is easily assembled on the coupling at any time by using the assembly tool.

**DUSTCAPS** provide protection from contamination entering either the coupling or the nipple when disconnected.

The distinctive flexible red covers come with a retainer to keep the caps attached to the fittings when the fitting is connected. Ideal for breathing air applications or when air quality cannot be compromised by accidental ingress of contamination.

Part No.	Description
93451000	Dustcap for 300 Series couplers
93251050	Dustcap for 300 Series nipples





**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



326 stainless series

320 series

**eSafe™**  
The New Generation

	Connection	320 series Zinc plated		326 series Stainless steel	
		Coupling Part No.	Nipple Part No.	SS Coupling Part No.	SS Nipple Part No.
Hose Connection	5mm (3/16")	*	10 320 5001	*	*
	6.3mm (1/4")	10 320 2002	10 320 5002	*	10 326 5002
	8mm (5/16")	10 320 2003	10 320 5003	*	10 326 5003
	10mm (3/8")	10 320 2004	10 320 5004	10 326 2004	10 326 5004
	13mm (1/2")	10 320 2005	10 320 5005	*	*
Male Thread	BSP R 1/8"	*	10 320 5151	*	*
	BSP R 1/4"	10 320 2152	10 320 5152	10 326 2152	10 326 5152
	BSP R 3/8"	10 320 2154	10 320 5154	10 326 2154	10 326 5154
	BSP R 1/2"	10 320 2155	10 320 5155	10 326 2155	*
Female Thread	BSP G 1/8"	*	10 320 5201	*	*
	BSP G 1/4"	10 320 2202	10 320 5202	10 326 2202	10 326 5232
	BSP G 3/8"	10 320 2204	10 320 5204	10 326 2204	10 326 5204
	BSP G 1/2"	10 320 2205	10 320 5205	10 326 2205	10 326 5205
Streamline Connection	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	10 326 2062	10 326 5062
	13.5 x 9.5 mm	10 320 2063	10 320 5063	*	*
	16 x 11 mm	10 320 2066	10 320 5066	*	*
Streamline with Lock-Ring	10 x 6.5 mm	10 320 2090	*	*	*
	12 x 8 mm	10 320 2082	*	*	*
	16 x 11 mm	10 320 2096	*	*	*
Fern with Lock-Ring	BSP G 3/8"	10 320 2244	*	*	*
Streamline with Soft Cover	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	*	*	*
Kink Protector	10 x 6.5 mm	*	10 300 4010	*	*
	12 x 8 mm	*	10 300 4012	*	*







## SERIES 315 - NITTO Compatible



### Standard Series



#### TECHNICAL DATA

- Nominal flow diameter: 7.5mm
- Flow capacity: 1950 l/m (68.9cfm)
- Airflow with inlet pressure 6 bar (87psi) pressure drop 0.5 bar (7psi)
- Max working pressure: 16 bar (232 psi)
- Min burst pressure: 64 bar (928 psi)
- Temperature range: -20°C to +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	6.3 mm (1/4")	103151002	103152002	103155002
	7mm (9/32")	103151043	103152043	103155043
	10 mm (3/8")	103151004	103152004	103155004
	13mm (1/2")	103151005	103152005	103155005
Male Thread	BSP 1/4"	103151152	103152152	103155152
	BSP 3/8"	103151154	103152154	103155154
	BSP 1/2"	103151155	103152155	103155155
Female Thread	BSP 1/4"	103151102	103152102	103155102
	BSP 3/8"	103151104	103152104	103155104
	BSP 1/2"	103151105	103152105	103155105
Streamline Connection	8 x 5 mm	10311058	103152058	103155058
	10 x 6.5 mm	103151060	103152060	103155060
	12 x 8 mm	103151062	103152062	103155062
	16 x 11 mm	103151066	103152066	103155066
Softline	12 x 8 mm	*	103152082	*
	16 x 11 mm	*	103152085	*
Kink Protector	10 x 6.5 mm	*	*	103004010
	12 x 8 mm	*	*	103004012

### eSafe Series



## BREATHING AIR COUPLINGS SERIES 341 & 342

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



341 & 342 are interchangeable. The main difference is the 341 series is suitable for wet applications. 342 is ideal for demanding industrial environments. Integrated safety feature guards against unintentional disconnection.

#### TECHNICAL DATA

- Nominal flow diameter: 7.4mm
- Flow capacity: 1950 l/m (69 cfm)
- Airflow with inlet pressure 6 bar (87psi) pressure drop 0.5 bar (7psi)
- Max working pressure: 35 bar (508 psi)
- Min burst pressure: 140 bar (2030 psi)
- Temperature range: -30 C to +100 C
- 342 Material - Coupling - zinc plated brass/steel, Lock ring: zinc plated hardened steel

341



342



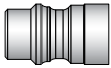
**Couplings:** compatible with 346 nipples  
**Nipples:** compatible with 344, 345 & 346 couplings

341 series Nickel plated brass suitable for diving application/ wet environments

342 series Zinc plated steel/ brass suitable for breathing air applications

	Connection	341 Coupling Part No.	341 Nipple Part No.	342 Coupling Part No.	342 Nipple Part No.
Hose Connection	6.3 mm (1/4")	103411042	103415002	103421002	103421002
	7 mm (9/32")	*	103415023	*	*
	8 mm (5/16")	103411034	103415003	103421003	*
	10 mm (3/8")	103411004	103415003	103421004	103425004
	13 mm (1/2")	*	*	103421005	*
Male Thread	BSP 1/4"	103421152	103415152	103421152	103425152
	BSP 3/8"	103421154	103415154	103421154	103425154
	BSP 1/2"	103421155	103415155	103421155	103425155
Female Thread	BSP 1/4"	103411202	103415202	103421202	103425202
	BSP 3/8"	103411204	103415204	103421204	103425204
	BSP 1/2"	103411205	103415205	103421205	103425205
Streamline Connection	10 x 6.5 mm	*	*	103421060	103425060
	12 x 8 mm	*	*	103421062	10342506





## 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

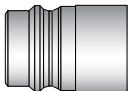
- Nominal flow diameter: 7.4 mm
- Airflow with inlet pressure 6 bar (87 psi), pressure drop 0.5 bar (7 psi) - 1950 l/min (69 cfm)
- Max. working pressure: 35 bar (508 psi)
- Min. bursting pressure: 140 bar (2030 psi)
- Temperature range: -30°C - +100°C
- Material: Coupling - Nickel-plated brass



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) 4000 L/MIN (141 CFM)



	Connection	Coupling Part No.	Nipple Part No.
<b>Hose Connection</b>	6.3mm (1/4")	*	104105002
	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>	BSP 1/4"	*	104105202
	BSP 3/8"	104102154	104105154
	BSP 1/2"	104102155	104105155
	BSP 3/4"	104102157	104105157
<b>Female Thread</b>	BSP 1/4"	*	104105202
	BSP 3/8"	104102204	104105204
	BSP 1/2"	104102205	104105205
	BSP 3/4"	104102207	104105207
<b>Stream-line Connection</b>	16 x 11 mm	104101066	104105066
	18 x 13 mm	104102068	104105068
	21 x 16 mm	104102071	104105071
	24 x 19 mm	104202078	105105074
<b>Stream-line Softline</b>	16 x 11 mm	*	114102085
	18 x 13 mm	*	114102088

### TECHNICAL DATA

- Nominal flow diameter: 10.4mm
- Flow capacity: 4000/min (141cfm)
- Max working pressure: 16 bar (232 psi)
- Min burst pressure: 140 bar (2030 psi)
- Temperature range: -20°C - +100°C
- Material - Coupling: Zinc plated brass/steel.
- Material - Nipple: Zinc plated hardened steel.

**eSafe™**  
410 series



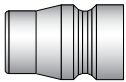
416 stainless steel series

Series 410, a larger version of Series 320 has become somewhat of a European standard. Only requiring one hand for operation, these couplings have a low-connection force and extremely high flow capacity that vents before disconnection, eliminating the risk of hose-whip. Durable and resistant to vibrations, the series is available in a wide range of connections, including streamline. Also available as non-venting nickel-plated brass (series 411) or stainless steel (series 416) in some sizes.

**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



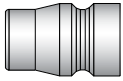
SH socket x hose

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 #
- 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



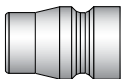
200-SF socket x Female thread

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



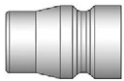
200-85SNG



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

**Body Material**  
**Size**

Chrome plated steel  
1/4", 3/8", 1/2", urethane hose  
8 x 5 mm, 10 x 6.5 mm, 12.5 x 8.5 mm

**Working pressure**

145 psi, 1.0 MPa (10 kg/cm<sup>2</sup>)

**Maximum Pressure**

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

**Seal Material**

NBR (Nitrile butadiene rubber)

**Working Temperature**

-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

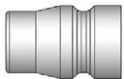
Model	Size
L200-20SF	1/4" BSP
L200-30SF	3/8" BSP
L200-40SF	1/2" BSP



SH socket x hose barb

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

L200-65SNRG



## SAFETY PURGE PLUG

GENUINE



### SPECIFICATIONS

**Body Material**  
**Size**

Chrome plated steel  
1/4", 3/8", 1/2" hose

**Working pressure**

145 psi, 1.0 MPa (10 kg/cm<sup>2</sup>)

**Maximum Pressure**

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

**Seal Material**

NBR (Nitrile butadiene rubber)

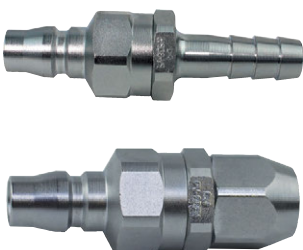
**Working Temperature**

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

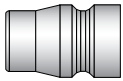
Conventional disconnection



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 Flow rate

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



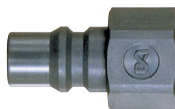
PNG plug x urethane hose

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



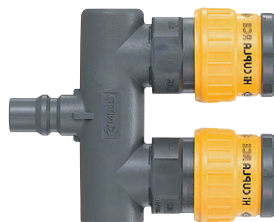
PH plug x hose

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



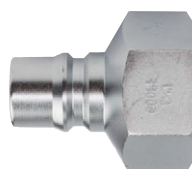
PVR-SH socket x hose

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



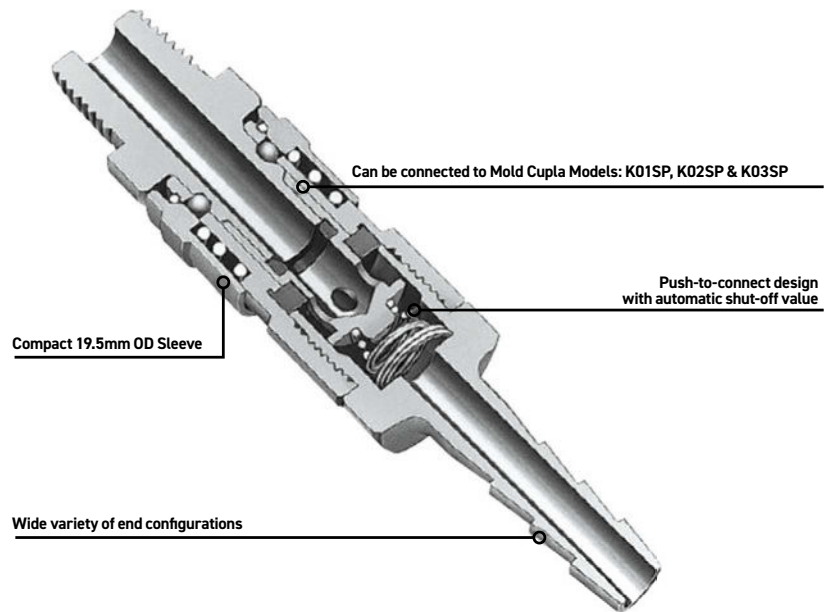
Model	Size	Style
01SN	Ø 8 x 5 mm	Polyurethane hose
02SN	Ø 10 x 6.5 mm	Polyurethane hose



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

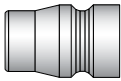


Model	Size	Style
02PC-6	Ø 6 mm	Straight Push-in tube
02PC-8	Ø 8 mm	Straight Push-in tube



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
<i>Not suitable for vacuum</i>	

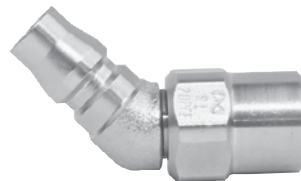
The Rotary plug is one of a small number of connectors designed to reduce RSI (repetitive Strain Injuries) by allowing the hose connection to any tool to freely rotate improving productivity and reducing claims.

- 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



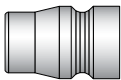
PM plug x Male thread

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



PFF plug x Female thread

Model	Size
RL20PFF	1/4" BSP



## ATP SWIVELS

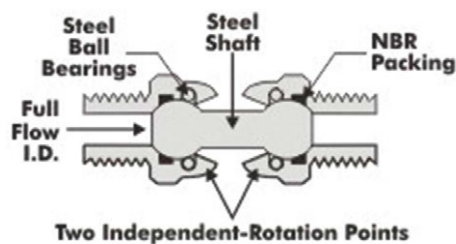
### SPECIFICATIONS

<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

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

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

## HEAVY DUTY MUFFLER



Part No.	Thread Size	Aluminium Body
ATOM08	1/4"	ATO Muffler alumium
ATOM15	1/2"	ATO Muffler alumium
ATOM20	3/4"	ATO Muffler alumium
ATOM25	1"	ATO Muffler alumium
ATOM40	1 1/2"	ATO Muffler alumium

# PUSH IN FITTINGS - rated to 151psi/9.9bar temp 0-60°C

## PC STRAIGHT Male ADAPTORS



Part #	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 #	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 #	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 #	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 #	Tube	Thread
PCF04M5	4mm	M5
PCF04M6	4mm	M6
PCF0401	4mm	1/8"
PCF0402	4mm	1/4"
PCF06M5	6mm	M5

Part #	Tube	Thread
PCF06M6	6mm	M6
PCF0601	6mm	1/8"
PCF0602	6mm	1/4"
PCF0603	6mm	3/8"
PCF0801	8mm	1/8"

Part #	Tube	Thread
PCF0802	8mm	1/4"
PCF0803	8mm	3/8"
PCF0804	8mm	1/2"
PCF1001	10mm	1/8"
PCF1002	10mm	1/4"

Part #	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 #	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
PC06M6	6mm	M6

Part #	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"
PC0803	8mm	3/8"

Part #	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"
PC1202	12mm	1/4"

Part #	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 #	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 #	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 #	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 #	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 #	Tube	Thread
PWT04M5	4mm	M5
PWT04M6	4mm	M6
PWT0401	4mm	1/8"
PWT0402	4mm	1/4"
PWT06M5	6mm	M5

Part #	Tube	Thread
PWT06M6	6mm	M6
PWT0601	6mm	1/8"
PWT0602	6mm	1/4"
PWT0603	6mm	3/8"
PWT0801	8mm	1/8"

Part #	Tube	Thread
PWT0802	8mm	1/4"
PWT0803	8mm	3/8"
PWT0804	8mm	1/2"
PWT1001	10mm	1/8"
PWT1002	10mm	1/4"

Part #	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 #	Tube OD
PY04	4mm
PY06	6mm
PY08	8mm
PY10	10mm
PY12	12mm



## PCP NITTO PLUG X TUBE

Part #	Tube OD
PCP04	4mm
PCP06	6mm
PCP08	8mm
PCP10	10mm
PCP12	12mm
PCP16	16mm

## TUBE CUTTER

Part #	Tube OD
TC-14	4-16mm



## PUSH IN FITTINGS - rated to 151psi/9.9bar temp 0-60°C

### PUC STRAIGHT UNION



Part #	Tube
PUC04	4mm
PUC06	6mm
PUC08	8mm
PUC10	10mm
PUC12	12mm
PUC14	14mm
PUC16	16mm



### PUL UNION ELBOW

Part #	Tube
PUL04	4mm
PUL06	6mm
PUL08	8mm
PUL10	10mm
PUL12	12mm
PUL14	14mm
PUL16	16mm



### BULKHEAD UNION

Part #	Tube
PMM04	4mm
PMM06	6mm
PMM08	8mm
PMM10	10mm
PMM12	12mm
PMM16	16mm

### PUT EQUAL TEE



Part #	Tube
PUT04	4mm
PUT06	6mm
PUT08	8mm
PUT10	10mm
PUT12	12mm
PUT14	14mm
PUT16	16mm



### PMF BULKHEAD ADAPTOR

Part #	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	"
PMF08-01	8mm	1/8"
PMF08-02	8mm	1/4"
PMF08-03	8mm	3/8"

Part #	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"

### PP PLUG



Part #	Tube
PP04	4mm
PP06	6mm
PP08	8mm
PP10	10mm
PP12	12mm
PP16	16mm



### PG REDUCING UNION

Part #	Tube OD	Tube Od
PG0604	6mm	4mm
PG0804	8mm	4mm
PG0806	8mm	6mm
PG10006	10mm	6mm
PG10008	10mm	8mm

Part #	Tube OD	Tube Od
PG1208	12mm	8mm
PG1210	12mm	10mm
PG1412	14mm	12mm
PG1612	16mm	12mm

### PIG FITTING UNION



Part #	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



### PGJ PUSH IN REDUCER

Part #	Male	Tube
PGJ0604	6mm	4mm
PGJ0804	8mm	4mm
PGJ0806	8mm	6mm
PGJ1006	10mm	6mm
PGJ1008	10mm	8mm

Part #	Male	Tube
PGJ1206	12mm	6mm
PGJ1208	12mm	8mm
PGJ1210	12mm	10mm
PGJ1612	16mm	12mm

### VALVE PRESSURE RELIEVING



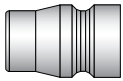
Part #	Tube
HVU 04-04	4mm
HVU 06-06	6mm
HVU 08-08	8mm
HVU 10-10	10mm
HVU 12-12	12mm



### MUFFLER

Thread	Polymer	Brass button	Brass conical
1/8"	*	MSL-S-01	MSL-B-01
1/4"	AN20-02	MSL-S-02	MSL-B-02
3/8"	AN30-03	*	MSL-B-03
1/2"	AN40-04	*	MSL-B-04

FOR LESS COMMON FITTINGS ASK OUR SALES TEAM



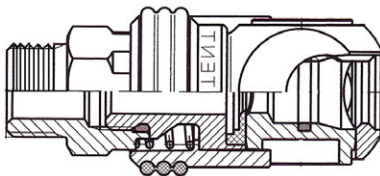
## TST SWING COUPLINGS

### 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

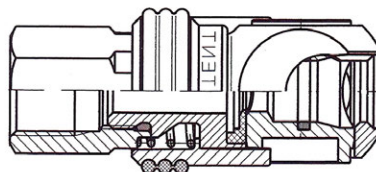
This unique concept is based on the simple but effective style of a ball valve to provide full flow when in the open position, to guard against accidental disconnection, and to discharge downstream pressure before disconnection.

- 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



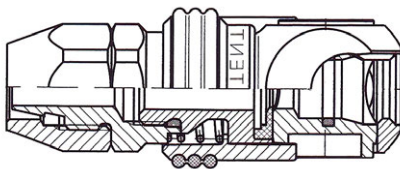
Socket x Male thread

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



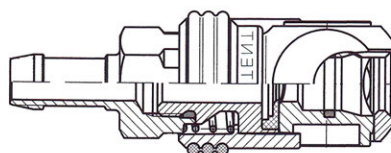
Socket x Female thread

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

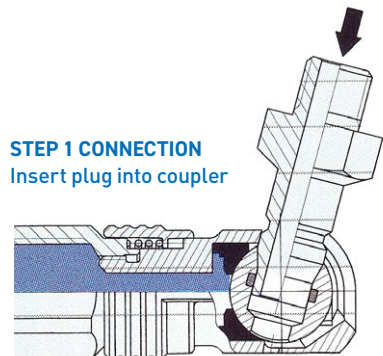


Socket x hose

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

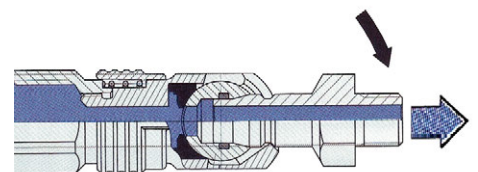
### STEP 1 CONNECTION

Insert plug into coupler



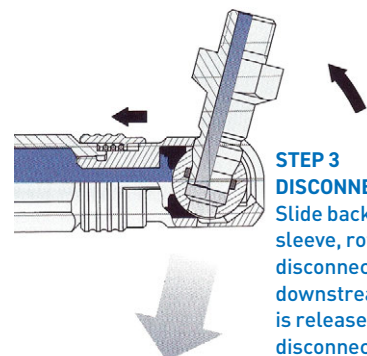
### STEP 2

Rotate plug to inline position for full flow

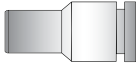


### STEP 3 DISCONNECTION

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



Socket x Female thread

Model	Size
310F4	1/4" BSP Female



Socket x hose

Model	Size
310T6	10 mm hose tail



Plug x Male thread

Model	Size
31M4	1/4" BSP Male



Plug x Female thread

Model	Size
31F4	1/4" BSP Female



Plug x hose

Model	Size
31T6	10 mm hose tail

## BRASS POLYURETHANE HOSE FITTINGS



Female thread x Polyurethane hose Swivel

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

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"



Light Duty Aluminium Manifold

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



Porting Block 5-way

Model	Size
JGPB	1/2"



Porting Block 4-way

Model	Size
PB06	1/8"
PB08	1/4"
PB10	3/8"
PB15	1/2"



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



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
ATO0808	1/4"bspf	3 x 1/4"
ATOF1508	1/2"bspf	3 x 1/4"

## SERIES 958 POLYURETHANE TUBE - STRAIGHT HOSE BRAIDED

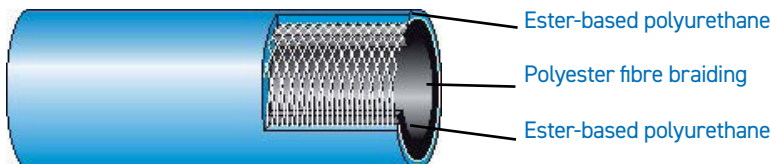
Our straight braided hoses are an excellent choice for applications requiring maximum working pressure up to 16 bar and superior flexibility even in cold conditions. They have a wide temperature range with high tensile, tear and impact strength. The hose spontaneously reverts back to its original form 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

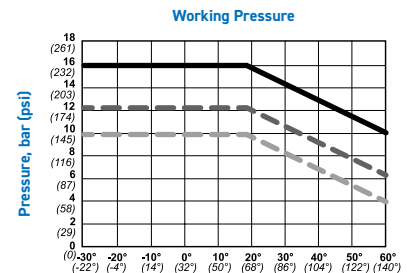


### TECHNICAL DATA

<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



O.D x I.D.	Premium Blue Braided part No.	Hi-Vis Neon part No.	Working Pressure -30 , 68 F	Burst Pressure -30 , 68 F	Orange Braided part No.	Economy Blue part No.	Working Pressure -5 C, 60 C	Burst Pressure -5 C, 60 C
10 x 6.5	9581000	*	16bar/232psi	64bar/928psi	*	EBH-6.5-B	15bar /220psi	60bar/880psi
12 x 8	9581200	9581288	16bar/232psi	64bar/928psi	*	EBH-8-B	15bar /220psi	60bar/880psi
13.5 x 9.5	9581350	*	10bar/145psi	48bar/696psi	*	*	15bar /220psi	60bar/880psi
16 x 11	9581600-BL	*	12bar/174psi	48bar/696psi	EBH11-O	EBH-11-B	15bar /220psi	60bar/880psi

## SERIES 958 POLYURETHANE TUBE - STRAIGHT TUBE 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

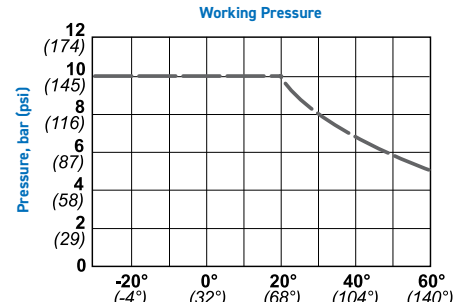


Hose, OD x ID (mm)	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
4 x 2.4	TU04	10 bar / 145 psi	25 bar / 362 psi
6 x 4	TU06	10 bar / 145 psi	25 bar / 362 psi
8 x 5	TU08	10 bar / 145 psi	25 bar / 362 psi
10 x 6.5	TU10	10 bar / 145 psi	25 bar / 362 psi
12 x 8	TU12	10 bar / 145 psi	25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

Add suffix code after part #

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

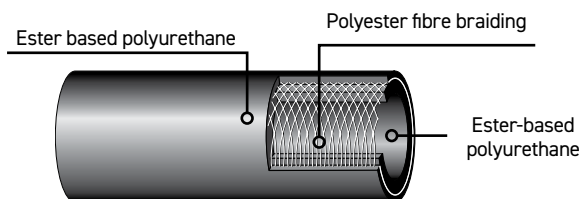
### ANTI SPARK HOSE - STRAIGHT BRAIDED

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.

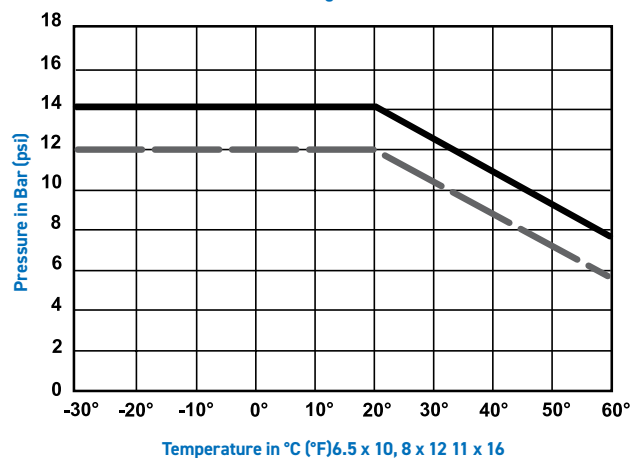
- Spark and Scorch resistant
- Excellent resistance to oils, Solvents and other non-aqueous solutions
- Long service life with outstanding ageing qualities

#### 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 TUBE

### SPIRAL BREATHING AIR & ANTI-SPARK TUBE - 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 tube features an ester based PUR construction which is lighter in weight, easier to handle and more flexible than ordinary rubber hose.

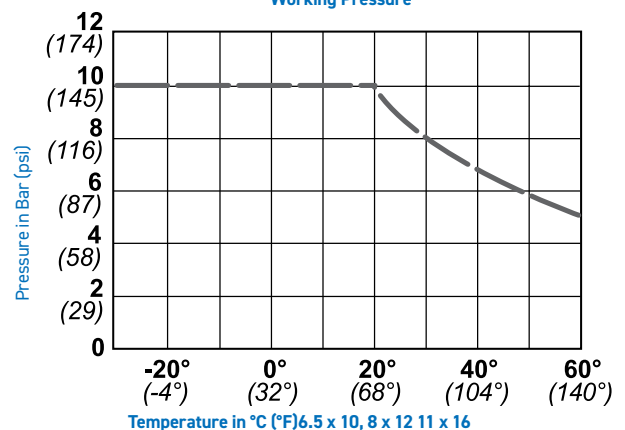
- Spark and Scorch resistant
- Excellent resistance to oils, Solvents and other non-aqueous solutions
- Long service life with outstanding ageing qualities

#### Spiral Anti Spark Polyurethane tube

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





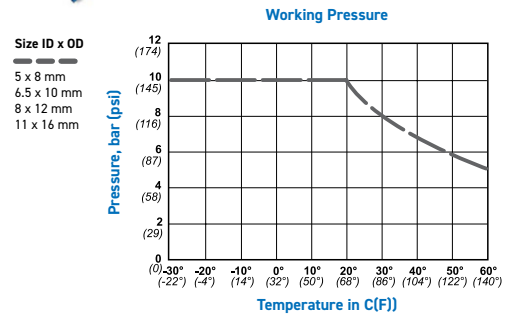
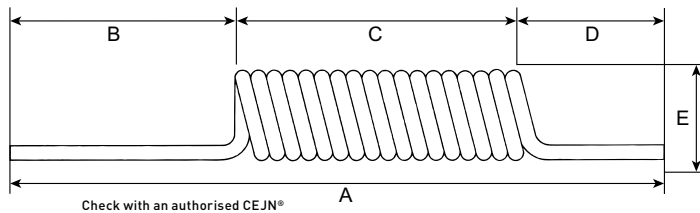
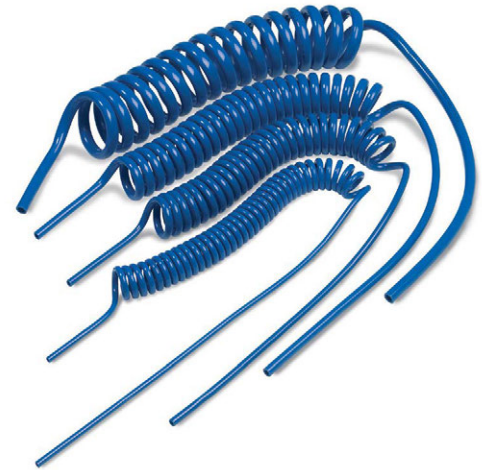


## POLYURETHANE HOSE SPIRAL TUBE NON BRAIDED

- 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

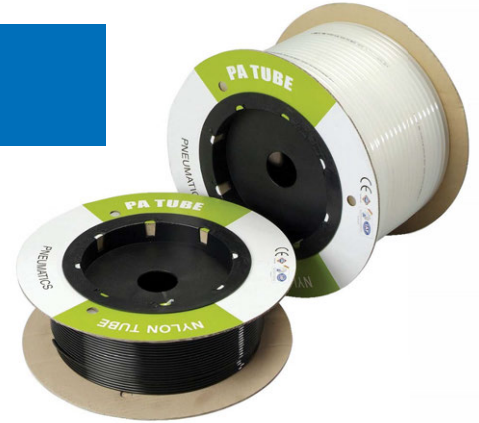
Size (OD x ID mm)	8 x 5, 10 x 6.5, 12 x 8, 16 x 11
Max working pressure	10 bar (145 psi)
Max burst pressure	25 bar (362 psi)
Material	FDA approved, Ester-based polyurethane



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 #.	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

### Imperial

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 #

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 #.	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

### Imperial

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 #

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.

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

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



## PVC HOSE

Our PVC hose has excellent UV resistance, and good flexibility even at low temperatures. Complies to AS2554-Class B with a 4:1 safety factor. Working pressure 1600kpa

Inner core: natural coloured flexible PVC  
Reinforcing: High tenacity polyester yarn  
Outer cover: UV stabilized blue/yellow PVC with smooth finish

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
<b>Breathing Air Safety Yellow</b>		
BAH8	Yellow	8mm x 20m
BAH10	Yellow	10mm x 20m
AHY20	Yellow	20mm x 20m
AHY25	Yellow	25mm x 20m



## RUBBER HOSE NBR anti static

This breathing air nitrile black rubber hose with green stripe has NBR/PVC cover, excellent chemical resistance, abrasive resistant complies with AS/NZS 1716:2 12



Code	Rubber	Size mm	max Working pressure	min Burst pressure	Temp
199009910	Black w green stripe	3/8"	15 bar (217 psi)	60 bar (870 psi)	-40°C - +60°C
199009905	Black w green stripe	1/2"	15 bar (217 psi)	60 bar (870 psi)	-40°C - +60°C

## 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 mm	Connection (male)	Work. Press. Bar @ 20°C	Weight Kg	Temperature Range	Hosereel Body
199112020	8 X 12	7	1/4"	16 / 232 psi	4.5	-201 +601	small
199112022	8 X 12	10	1/4"	16 / 232 psi	4.9	-201 +601	small
199112028	8 X 12 HiVis	10	1/4"	16 / 232psi	4.9	-201 +601	small
199112083	8 X 12	10	eSafe 315	16 / 232 psi	5	-201 +601	small
199112120	8 X 12	17	1/4"	16 / 232 psi	6.6	-201 +601	medium
199112128	8 X 12 HiVis	17	1/4"	16 / 232psi	6.6	-201 +601	medium
199112130	9.5 X 13.5	14	3/8"	16 / 232 psi	6.5	-201 +601	medium
199112140	11 X 16	10	1/2"	12 / 174 psi	6.7	-201 +601	medium
199112143	11 X 16	10	eSafe 315	12 / 174 psi	6.87	-201 +601	medium
199112163	9.5 X 13.5	14	eSafe 315	16 / 232 psi	6.6	-201 +601	medium
199112173	9.5 X 13.5*	14	eSafe 315	12 / 174psi	6.6	-201 +601	medium
199112183	8 X 12	17	eSafe 315	16 / 232 psi	6.7	-201 +601	medium
199112188	8 X 12 HiVis	17	eSafe 320	16 / 232psi	6.7	-201 +601	medium

\*anit-spark

### WATER

Part No.	Braided PUR diameter mm	Length mm	Connection (male)	Work. Press. Bar @ 20°C	Weight Kg	Temperature Range	Hosereel Body
199112230	9.5 X 13.5	14	3/8"	9 / 130	5.9	51 +601	medium
199112240	11 X 16	10	1/2"	10 / 130	6.3	51 +601	medium



Water Reel



High flow and low pressure drop



Strong, guided layered retraction



Robust latching system



## HOSE REELS - JAMEC PEM



With the unique Helix Ultra-Coil hose layering system, combined with a precision machined solid brass central spindle, the Jamec Pem Pro Series Hose Reels are ideally suited for the trade or industrial workshop.

- High impact tough and durable polypropylene construction
- Fully enclosed weather resistant and UV stabilised outer case protects the hose and inner drum assembly against dirt and other contaminants
- Heavy duty mounting bracket with fixed in-line or optional 180° swivel mount is suitable for wall or overhead mounting
- Convenient carry handle located on the top panel for removing and refitting the hose reel from the mounting bracket
- Auto Lock and Rewind Mechanism Provides Positive Hose Latching Every Full Revolution of the Hose Drum
- Hose layering system
- 2 metre Leader hose with brass fittings
- Adjustable hose stop
- Solid brass internal spindle
- Ultraflex hose stays flexible in the cold and doesn't kink in the heat



Hose layering system automatically rewinds the hose in layers preventing jams and tangles



Cut-away shows rugged brass swivel construction, case and reel mechanism. Adjustable hose stop

Part No.	JP.1056	JP.1034	JP.2012
Colour	Red	Red	Blue
Length	15 m	20 m	32 m
Hose I.D.	12.5 mm, 1/2"	9.5 mm, 3/8"	8 mm, 5/16"
Hose O.D.	18.5 mm, 3/4"	16 mm, 5/8"	12 mm, 1/2"
Max. working pressure	300 psi, 2068 kPa	300 psi, 2068 kPa	250 psi, 1725 kPa
Fitting size	3/8" BSP swivel	1/4" BSP swivel	1/4" BSP swivel
Weight	8 kg	8 kg	8 kg
Dimensions	440L x 210W x 400H mm	440L x 210W x 400H mm	440L x 210W x 400H mm
Hose Construction	Reinforced braided PVC	Reinforced braided PVC	Reinforced braided PU

## 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.

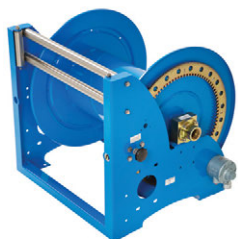
**APPLICATION** A simple, heavy duty hand crank hose reel for a wide range of applications.

**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®

**RETRACTA®**  
by 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.



R3 series  
reels

### RETRACTA HOSE REELS 10 YEAR LIMITED WARRANTY

Part No.	Description	Case	Hose	Hose mm	Length metres	Working Pressure	Outlet (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"	+8 °C
HPC320R-01	R3 HP RACR Hot Water reel	Red PP	wire braided rubber	10mm	20m	20685kPa/3000psi	3/8"	3/8"	+100°C

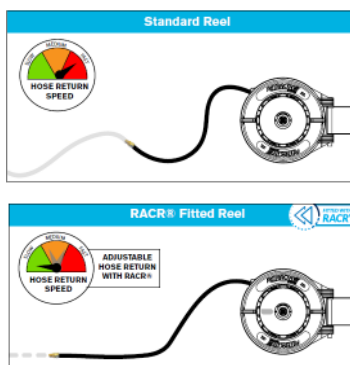
### METAL ENCLOSED HOSE REELS 5 YEAR WARRANTY

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

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

FHA1220-01	twin pedestal air/water	white metal open reel	12.5mm	20m	1700kPa/250psi	1/2"	1/2"	1/2"	
FHA1920-01	cradle mount air/water	white metal open reel	20mm	20m	1700kPa/250psi	3/4"	3/4"	3/4"	

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

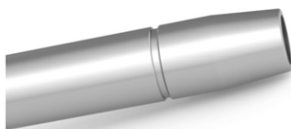


The Cejn 208 series is a well proven rugged design that has many imitations, but none as reliable or user friendly.

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



STANDARD TIP



STAR SAFETY TIP



The Star safety tip divides the flow into six separate streams resulting in a silencing effect—85dB as well as guarding against dead ending on skin contact. Both have a circlip locating groove for fixing specialised attachments (see next page)



112080100 bent tube standard tip



112083150 straight tube standard tip



112083100 bent tube star tip



112080300 Pressure regulated max 2 bar when dead ended



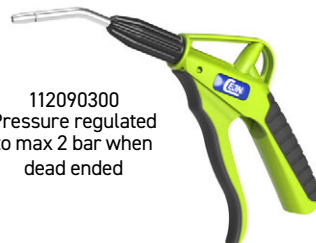
112080000 Blowgun body for interchangeable tubes



112090952 Bent tube with silencer



112093100 bent tube star safety tip



112090300 Pressure regulated to max 2 bar when dead ended



112080000 Blowgun body for accessories

### BLOW GUNS SERIES 208 & 209 AIR OR WATER

208 series Part No.	209 HiVis Comfort Grip Part No.	Description	Inlet fbsp	Feature	Max Working Pressure	Min Burst Pressure	Temp range°C
112080100	*	Bent tube, standard tip	1/4"	96 dB @ 6 bar	16bar 232psi	64bar 928psi	-20 to +60
112083100	112093100	Bent tube, safety star tip	1/4"	79 db @ 6 bar	16bar 232psi	64bar 928psi	-20 to +60
112083150	*	Straight tube, standard tip	1/4"	96 dB @ 6 bar	16bar 232psi	64bar 928psi	-20 to +60
112080300	112090300	Bent tube pressure regulated	1/4"	93 dB max, 2 bar dead-ended	8bar 116psi	64bar 928psi	-20 to +60
112080000	112090000	Basic Blowgun body	1/4"	adapts for various accessories	16bar 232psi	64bar 928psi	-20 to +60
*	112090952	Bent tube non removable tip	1/4"	85 dB SUVA approved	16bar 232psi	64bar 928psi	-20 to +60

## 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) 400mm



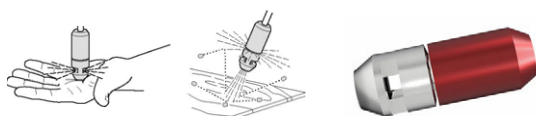
### STRAIGHT EXTENSION TUBE

112080219 Standard tip Straight extension 300mm suits 208 & 209 series

112080220 Standard tip Straight extension 500mm suits 208 & 209 series

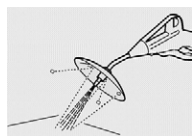
112083219 Star tip Straight extension 300mm suits 208 & 209 series

112083220 Star tip Straight extension 500mm suits 208 & 209 series



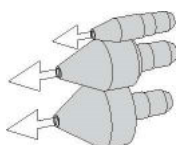
### 112089954 AIR CURTAIN NOZZLE

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")

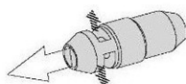


### 112089956/57/58/60 RUBBERTIP NOZZLES

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.

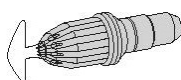
Ø 14 mm Ø 25 mm Ø 36 mm ..9956 Ø14mm ..9957 Ø25mm

..9958 Ø36mm ..9960 set of 3



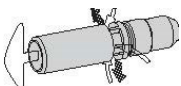
### 112089961 BYPASS NOZZLE

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)



### 112109000 MAGNETIC BLOWGUN ATTACHMENT

Magnet mounts to 208 & 209 series blowguns, left or right handed. Facilitates easy positioning of blowgun on convenient metal surfaces for instant efficiency and extends life of the blowgun itself by minimising poor handling.

### 112089970/71/72 BLOWGUN BRUSH COMBO

Brush attachment with soft / medium / stiff bristles for physical dislodgment of particles while airstream blows them away. Soft bristles are suitable for sensitive surfaces, medium or stiff bristles for scratch resistant non-sensitive surfaces.

### 112089975 FLAT NOZZLE

Flat nozzle provides a larger spray coverage and is ideally used for cleaning dust, dirt or water from a larger surface.



## 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 #	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 10 T				*												
	QIC 15											*	*				
	QIC 15 E											*					
	QIC 15 T									*							
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, ISC-06				*												
	ESC-07							*									
	ISC, ISC-08											*					
Rectus	13					*	*										
	14			*													
	22			*													
	23, 24				*												
	25, 26							*									
	27											*					
	30												*				
	31				*												
	32									*							
	37															*	
	96							*		*							
TDK	23 SFF					*	*										
TEMA	1300			*													
	1400				*												
	1600							*									
	1700										*						
	1800									*							

**Air Energy**  
COMPRESSED AIR SYSTEMS • INDUSTRIAL PIPEWORK

## COMMON QUICK CONNECT PROFILES

(Other styles check with sales)

